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2007/2008

Engine Bearings Master Catalog

AFTERMARKET

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These products are intended solely for automotive applications. Under absolutely NO circumstances should these products ever be used in non-automotive applications including, without limitation, aircraft engines, medical equipment, atomic energy devices or reactors.

“Federal, State and local laws restrict the removal, rendering inoperative, or in some cases the modification of factory installed emission devices or systems. California restricts the use of parts which could increase emissions in vehicles designed for use on public streets or

highways. The sale or installation on emission controlled vehicles of certain emission control components not approved by the California Air Resources Board, which alter or modify the original design or performance of such vehicle's emission control system is prohibited. Some of the parts listed and offered for sale in this catalog may fall within the above restrictions. Such parts are intended only for use on off-road vehicles competing in competitive events or on other types of vehicles which are exempt from the applicable emission control laws. Installation of these parts on vehicles subject to emission control laws may be prohibited.

MAHLE Clevite recommends that the applicable emission control laws be reviewed before considering the installation of add-on or modified parts.”

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TriMetal™ adds a new layer!

The exclusive Clevite® TriArmor™ engine bearings feature the industry's only moly/graphite treatment. This sophisticated blend, in a low friction PTFE polymer base, offers extraordinary protection and lubricity. Enhanced wear characteristics increase bearing life in race engines and high performance street engines.

Now, high performance engine builders can enjoy the strength and durability of the legendary Clevite® TriMetal™ bearing construction coupled with the latest in coating technology - right out of the box.

The line of Clevite® TriArmor™ rod and main bearings include popular Ford, GM and Chrysler models as well as popular Sport Compact applications.

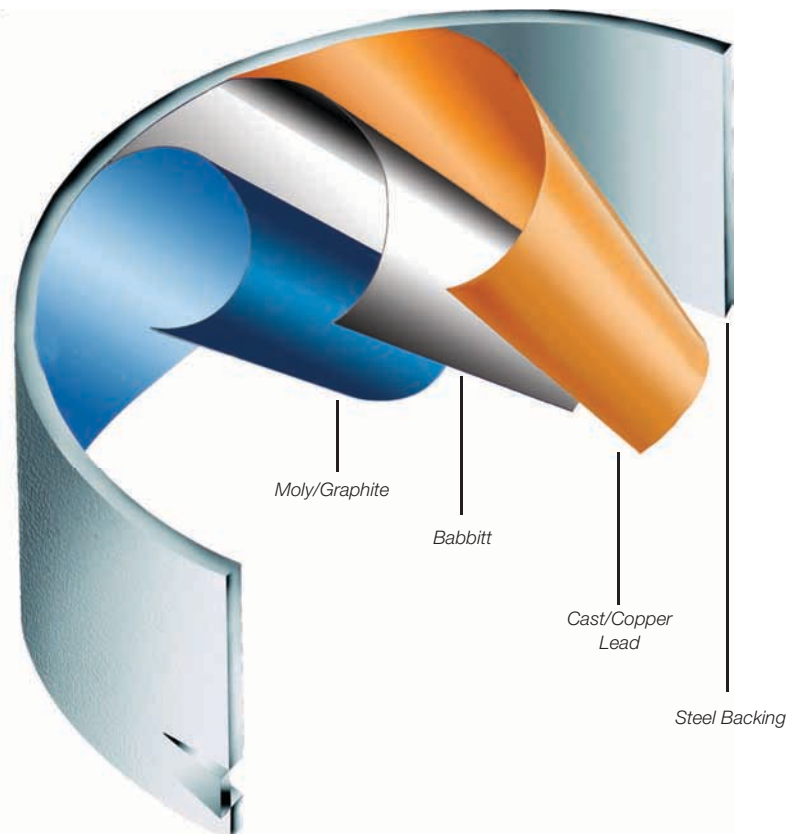
Exclusive Moly/Graphite Treatment

For years, engine builders have experimented with coating engine bearings for race engines and high performance street engines, with varying degrees of success. Now, MAHLE Clevite engineers, after extensive research and development, have devised TriArmor™, a proprietary blend of molybdenum disulfide (MoS₂) and graphite all carried in an inert polymer substrate.

Central to this breakthrough is the exclusive use of graphite and unique application and low temperature cure processes. These processes provide extremely uniform thickness coupled with unparalleled adhesion, all while protecting the metallurgical integrity of the bearing during the coating procedure.

The result? A thin protective coating that offers:

- Reduced friction and drag, resulting in increased horsepower
- Protection during start-up
- Embedability to resist damage from debris
- Ability to withstand extreme temperatures and pressures
- Conformability for distressed or imperfect surfaces
- Extraordinary strength and durability



TriArmor™ features & benefits

Tech Info

In developing TriArmor™ materials and processing, MAHLE Clevite engineers relied on the science of tribology, the study of design, friction, wear, and lubrication characteristics of interacting surfaces. With our existing body of knowledge based on decades of producing bearings for street and track, this model enabled us to produce the most advanced and efficient coating material possible. The PTFE carrier material gives good low load start-up protection. The moly serves as a high pressure, high load dry film anti-wear agent. Graphite

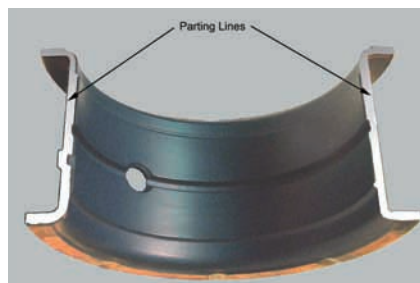
provides additional protection across a broad range of temperatures, especially when oil flow is marginal and is especially slippery with an oil film.

Exclusive Clevite TriArmor™ Features

- Moly/graphite compound
- Coverage for Ford, GM and Chrysler as well as popular Sport Compact Applications
- Parting lines not coated
- Legendary Clevite quality

Feature	Advantage	Benefit
MoS2 in polymer base	Low friction	Reduces drag & increases HP
MoS2 in polymer base	Self-lubricating	Helps fight dry starts
MoS2 in polymer base	High strength	Good support for oil film
MoS2 in polymer base	Resists wear	Fights unfavorable surface finishes
Graphite	Not temperature sensitive	Protects hot or cold
Graphite	Self-lubricating	Protects during start-up
Graphite	Reduces friction	Increased power
Rated for 500 F ¹	Resists breakdown	Welcomes tough racing applications
Rated for 600 F ²	Extra margin	Defends against severe conditions
Low Temp Cure	Bearing friendly	Protects metallurgical integrity of bearing
Inert Wear Layer	Conformability	Adapts as needed to the "real engine"
OEM Caliber processes	Superior quality	Tightest controls of thickness and curing temps
Bare Parting Line	No sanding needed	Proper crush without "reworking" bearing

1 Continuous 2 Intermittent



We're particular about parting lines

At MAHLE Clevite, we know that bearing crush is critical, especially in high performance engines. So you can imagine that coating the parting lines would adversely affect bearing crush and fit. And you shouldn't have to sand off material that never should have been applied to these surfaces in the first place. So we don't put it there. It's extra effort to do the job right, but that's the only way MAHLE Clevite engineers know how.

TriMetal or Aluminum BiMetal Bearings?



Figure 1

Insert bearings provide a conveniently replaceable wear surface that allows salvage of the mating journal by regrinding to a new undersize diameter. Unless severely damaged, crankshafts are thus commonly reclaimed through the use of bearing shells manufactured to precision tolerances to fit a standardized array of journal undersizes. Depending on the original dimensioning practice of the engine components, undersizes are available in either inch or metric sizes as noted in the catalog listing.

It would be extremely convenient for the manufacturers of engine components and engine rebuilders alike if all engines were able to use the same bearing shells. Unfortunately differences in engine displacements and power output levels typically require unique bearings for each engine family. These bearings not only differ in their dimensional attributes to allow them to properly fit with mating engine components, they must also provide differing performance capabilities to allow them to provide trouble free service throughout the expected service life of the engine. Different bearing materials and types of construction provide a selection of bearing performance characteristics to suit various operating conditions and applications.

As engine designs evolved greater demands were placed on crankshaft bearings. These demands fall into a number of bearing performance categories.

The first of these is surface behavior or “SURFACE ACTION.” This is a measure of the compatibility of the bearing surface with that of the mating journal. Within this category are three bearing characteristics that make up a bearing’s overall

surface behavior, they are: “Slipperiness” or the ability to minimize friction while sliding over the journal without causing wear to either surface. “Embedability” is the ability to absorb dirt and engine wear particles into the bearing surface and render them harmless (see figure 1). And “Conformability” which permits a bearing surface to break-in or conform to the geometry and alignment imperfections of its installation.

The second is “LOAD CARRYING.” This is the ability to withstand engine operating loads for long periods. Within this category are “Fatigue Strength” which is the linings ability to resist cracking and flaking under the cyclic loads imposed by the dynamics of engine operation. And “Corrosion Resistance” which is the lining materials ability to resist chemical attack from acids resulting from oil break-down and by-products of combustion. Acid attack can weaken the material structure making the lining more susceptible to fatigue.

Third is “THERMAL PROPERTIES.” These are “Temperature Resistance” or the ability to maintain all other properties at engine operating temperatures. And “Thermal Conductivity,” or the ability to conduct heat away from the bearing surface.

Bearings function on the principal that dissimilar materials will have less tendency to seize with each other than similar materials. The first commonly used bearing material was an alloy of lead, tin, antimony and arsenic called “Babbitt” which was named after its inventor. Babbitt has physical properties similar to solder. It’s soft which allows it to conform to minor imperfections in geometry and alignment of mating parts. This

softness also allows Babbitt to absorb dirt and wear particles that might pass through the bearings clearance space. Babbitt is also very slippery which minimizes friction in the absence of oil during startup.

Although Babbitt is the best bearing material based on its surface behavior, it has one serious shortcoming. By itself, in thick layers, Babbitt cannot carry high loads for long periods. Under the repeated cyclic loading of an internal combustion engine Babbitt will break up and flake out. This reaction to cyclic loading is called "Fatigue."

Bearings are typically constructed with a steel backing to provide support and allow the bearing shells to be an interference fit with their housing. This provides retention and prevents movement under the dynamics of engine operation. Nearly all modern bearings fall into one of two categories based on their type of construction. They are either Bimetal; a steel back with a single layer of multipurpose lining material, or Trimetal; a steel back with an intermediate layer for strength and a surface layer for bearing surface properties.

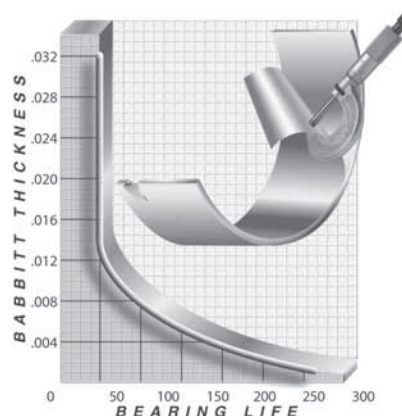
The earliest insert bearings were Bimetal construction with a lining of Babbitt. As mentioned above, although Babbitt offered optimum surface behavior, it lacked fatigue strength. It was found however, that the fatigue strength of Babbitt could be significantly improved by reducing its thickness (see figure 2). This principal is employed in two alternate types of construction. Bimetal "MICRO BABBITT" bearings use a thinner layer of Babbitt lining to provide better fatigue resistance, and Trimetal bearings which use an extremely thin electroplated overlay layer

of Babbitt over a stronger intermediate layer to combine the surface properties of Babbitt with the greater fatigue strength of the intermediate layer. An alloy of Copper, Lead and Tin is the most commonly used intermediate layer. Casting this alloy onto the steel backing provides fatigue strength approximately 20% greater than the alternate powdered metal process referred to as sintering. Clevite® TriMetal™ engine bearings feature a cast copper lead intermediate layer for the greatest load carrying capacity available. (see figure 3)

Original Equipment bearings have employed all of the popular types of materials and construction over the years. Bimetal Babbitt, Bimetal Copper-Lead, Bimetal Aluminum, Trimetal Copper-Lead and Trimetal Aluminum have all been used at various times in numerous applications. Just like the unique dimensions mentioned earlier, which make each bearing specific to its intended application, a specific material and type of construction is also specified.

Trimetal bearing construction employing a cast copper-lead intermediate layer provides the best overall combination of all of the bearing properties

Figure 2



TriMetal vs. BiMetal

Figure 3

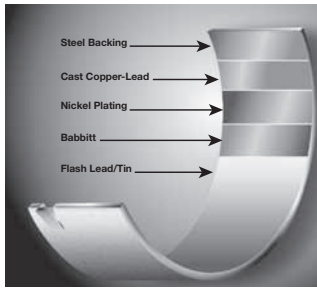
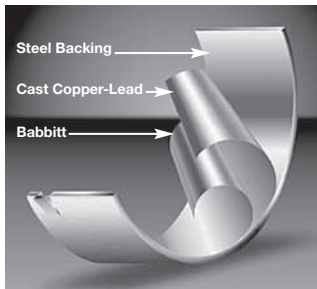


Figure 4



described above (see figure 4). The vast majority of Clevite® engine bearings are this type. In many cases this material and construction duplicate Original Equipment specifications. For example, Heavy Duty diesel engines nearly all use Trimetal bearings. In fact, this type of construction commonly allows HD Diesels to enjoy service life in the range of 500,000 miles or more. Although some HD Original Equipment bearings use an aluminum alloy intermediate layer, the majority use cast copper lead. In many cases Clevite® TriMetal™ engine bearings are an upgrade from a Bimetal type used in Original Equipment. This has earned Clevite the reputation of being the ultimate High Performance bearing as attested to by its popularity in motorsports such as NASCAR and NHRA Top Fuel classes as well as other form of racing.

A recent trend in Original Equipment passenger and light truck applications has been toward the use of aluminum alloy based Bimetal bearings. These offer original engine manufacturers a lower cost alternative by eliminating the electroplating operation necessary in the manufacture of Trimetal bearings. These Bimetal aluminum alloy bearings typically employ a lining material consisting of a high percentage of aluminum combined with tin to provide some surface

action and a small percentage of silicon for wear resistance (see figure 5). The use of a single multipurpose lining represents a compromise in the bearing qualities outlined above. These compromises are generally acceptable for the typical light duty demands of passenger car and light truck service.

Clevite® “AS” BiMetal™ engine bearings (part numbers with a suffix letter A) are of aluminum, tin, silicon Bimetal type of material and construction. These offer the engine rebuilder an OE type of bearing for engines going into light duty applications. They are only recommended for applications where all engine components have been reconditioned to engine manufacturers original specifications. Their use is not recommended for Heavy Duty service where heavy demands are placed on the engine or High Performance applications where Clevite TriMetal™ is still the ultimate performance choice.

No single material is perfect for every application. Different bearing materials have different advantages in terms of resistance to corrosion, rate of wear, and fatigue strength. Engine operating conditions must be considered when selecting bearings.



Figure 5



How much clearance do your bearings need?

How much clearance do I need for my rod, main or camshaft bearings? This is one of the most frequently asked questions we receive. Unfortunately there isn't one simple answer that suits every case. This is because engine application, lubricant selection and operating conditions will dictate different clearance levels. This isn't to say we can't generalize on at least a starting point.

First, let's define how and where clearance should be measured. Half shell rod and main bearings do not have a uniform wall. The wall is thickest at 90 degrees from the split and drops off a prescribed amount toward each parting line, depending on the bearings intended application. This drop off is called "Eccentricity." In addition, there is a relief at the parting lines. Eccentricity is used to tailor the bearing shell to its mating hardware and to provide for hardware deflections in operation. Eccentricity also helps to promote oil film formation by providing a wedge shape in the clearance space. The relief at each parting line insures that there will not be a step at the split line due to bearing cap shift or the mating of bearing shells that differ slightly

in thickness within allowed tolerance limits. (See figure 1.)

For these reasons, bearing clearances are specified as "Vertical clearance" and must be measured at 90 degrees to the split line. The best method of measurement is with a dial bore gage that measures the bearing Inside Diameter when the bearings are installed at the specified torque without the shaft in place. Measurements should be taken at front, center and rear of each bearing position. Another common method of checking clearance is through the use of Clevite® Plastigage®.

For most applications .00075 to .0010" (three quarters to one thousandth of an inch) of clearance per inch of shaft diameter is a reasonable starting point. For example a 2.000" shaft diameter would require .0015 to .0020" bearing clearance. ($.00075 \times 2.000" = .0015"$ and $.0010 \times 2.000" = .0020"$) Using this formula will provide a safe starting point for most applications. For High Performance engines it is recommended that .0005" be added to the maximum value determined by the above

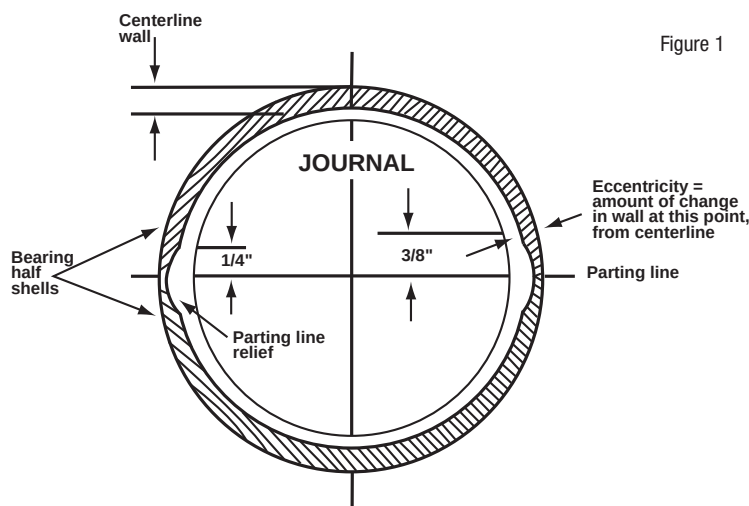


Figure 1

Bearing clearance

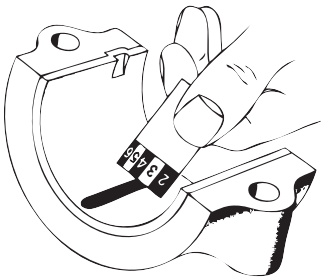


Figure 2

calculation. The recommendation for our 2.000" shaft would be .0025" of clearance. (See figure 2.)

Remember however, that the above are only recommended starting points. The engine and its application will tell us where to go from these starting points. For example, a passenger car engine assembled at .0010" per inch of shaft diameter might turn out to be noisy on start-up, especially if the engine has an aluminum block. Most passenger car engines are originally assembled by "Select Fitting" to achieve clearances that are less than what would result from random selection of mating parts. This is because the stack-up of manufacturing tolerances on the mating parts may exceed the acceptable level for control of noise and vibration. In addition, most new passenger car engines are now designed to use 5W-30 weight oils to reduce HP loss and conserve energy. These lighter weight oils are capable of flowing more freely through tighter clearances.

Let's pick some typical manufacturing tolerances and look at the potential clearance range that results. A tolerance range (from min. to max. sizes) of .0010" is typical for most crankshaft journals as well as both rod and main bearing housing bores. If the engine uses bimetal bearings the wall tolerance is .0003" per shell or .0006" in total. Adding these up we get .0010" for the housing + .0010" for the shaft + .0006" for the bearings = .0026" total clearance variation possible due to mating part manufacturing tolerances. If our minimum assembled clearance is just .0005" this makes the maximum possible .0031." (.0005" min. + .0026 tolerance range = .0031" max.) For normal passenger car

application .0031" of bearing clearance would generally be too much. However, if we take the same engine, let's say a small V-8, and put it in a truck used to pull a camping trailer and use a heavier weight oil, the larger clearance would be more acceptable.

Clearance is also somewhat of a safety factor when imperfections in alignment and component geometry creep in. As surfaces are more perfectly machined and finished, sensitivity to oil film break down is reduced and tighter clearances can be tolerated. Tighter clearances are desirable because they cause the curvature of the shaft and bearing to be more closely matched. This results in a broader oil film that spreads the load over more of the bearing surface thus reducing the pressure within the oil film and on the bearing surface. This will in turn improve bearing life and performance. Typically a used bearing should exhibit signs of use over 2/3 to 3/4 of its ID surface in the most heavily loaded half. (Lower main and upper rod halves) Illustrations depicting these typical wear patterns are shown at the front of the Clevite® engine bearing catalog.

Clearance is just one of many variables that effects bearing performance. In addition things like oil viscosity, which is determined by oil type and grade selection, engine operating temperature, oil pressure, engine RPM, oil hole drillings in both the block and crankshaft, bearing grooving and other bearing design features all interrelate in the function of an engines lubricating system.

Bearing clearance

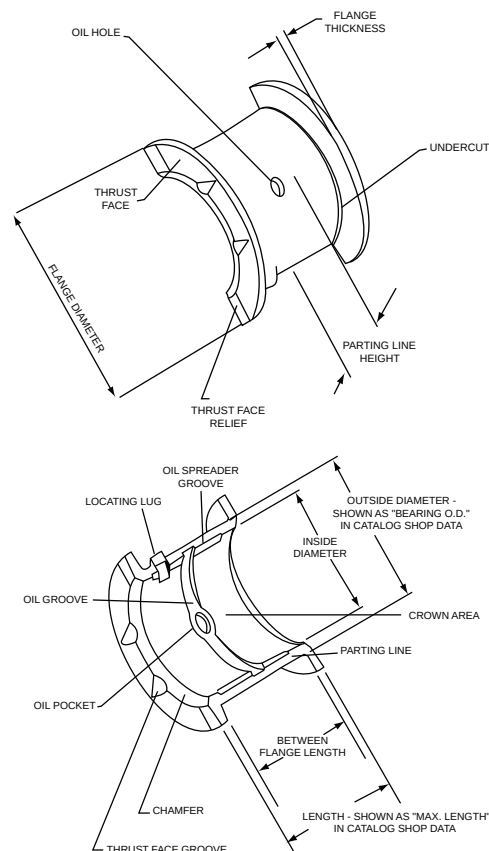
Lighter weight oils have less resistance to flow, consequently their use will result in greater oil flow and possibly less oil pressure, especially at larger clearances. All oils thin out as they heat up; multi-grade oils, however, don't thin out as rapidly as straight grades. Original Equipment clearance specifications are necessarily tight due to the use of energy conserving light-weight oils, relatively high operating temperatures and a concern for control of noise and vibration, especially in aluminum blocks.

High Performance engines on the other hand, typically employ greater bearing clearances for a number of reasons. Their higher operating speeds result in considerably higher oil temperatures and an accompanying loss in oil viscosity due to fluid film friction that increases with shaft speed. Increased clearance provides less sensitivity to shaft, block and connecting rod deflections and the resulting misalignments that result from the higher levels of loading in these engines. Use of synthetic oils with their better flow properties can help to reduce fluid film friction.

Friction and Horse Power loss are prime concerns in High Performance engines for obvious reasons. As a result, the coating of various engine components with friction reducing compounds has become common practice. Clevite® has announced the introduction of their line of TriArmor™ coated bearings for selected High Performance applications. Clevite® wants to provide High Performance engine builders with Clevite® performance series bearings already coated with a friction reducing surface treatment. Use of these coated bearings may result in slightly less clearance than the uncoated Clevite® high performance parts for the same application. This will typically be in the range of

.0005.” This is because the coating, although expected to remain in place during service, is considered to be somewhat of a sacrificial layer. Some amount of the coating will be removed during break-in and operation resulting in a slight increase in clearance. This is the reason no adjustment in bearing machining dimensions was made to allow for coating application.

So as you can surmise from reading the above notes, bearing clearance is not a subject that can be addressed without taking into account numerous variables including; geometry of the parts, oil viscosity, oil temperature, engine load, shaft diameter, bearing coatings and one's own ability to accurately measure and assess these variables.



Influence of grooving on main bearing performance

Various forms of main bearing grooving have been used over the years. We are frequently asked what difference grooving makes.

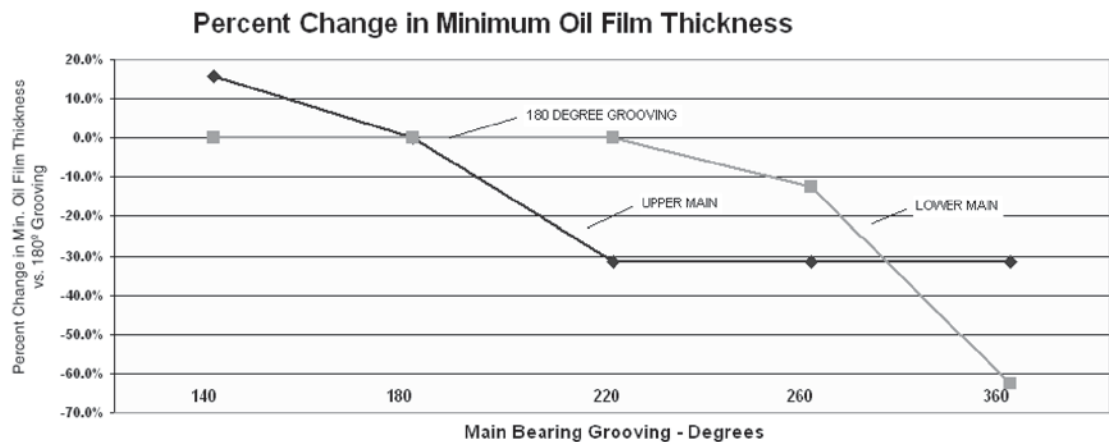
First, it's essential to understand that bearings depend on a film of oil to keep them separated from the shaft surface. This oil film is developed by shaft rotation. As the shaft rotates it pulls oil into the loaded area of the bearing and rides up on this film much like a tire hydroplaning on wet pavement. Grooving in a bearing acts like tread in a tire to break up the oil film. While you want your tires to grip the road, you don't want your bearings to grip the shaft.

The primary reason for having any grooving in a main bearing is to provide oil to the connecting rods. Without rod bearings to feed, a simple oil hole would be sufficient to lubricate a main bearing. Many early engines used full grooved bearings and some even used multiple grooves. As engine and bearing technology developed, bearing grooving was removed from modern lower main bearings. The result is in a thicker

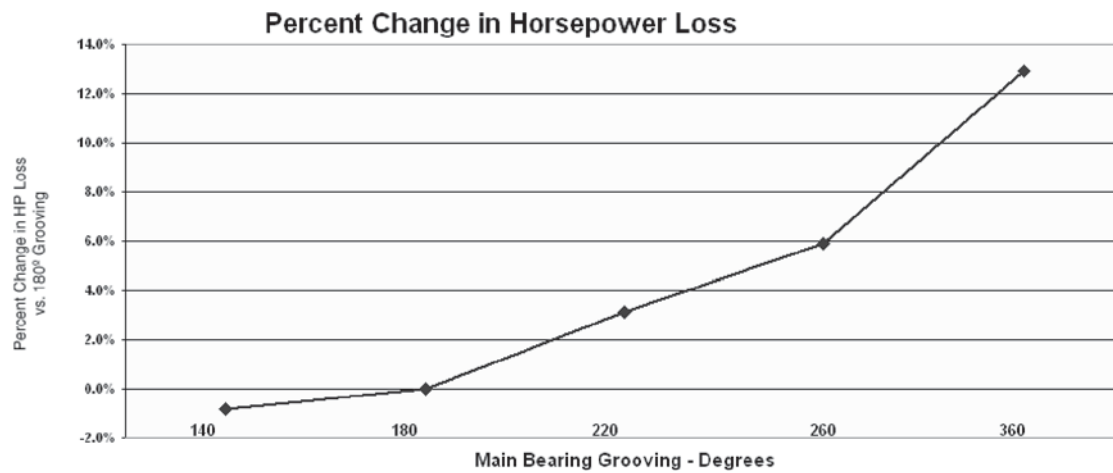
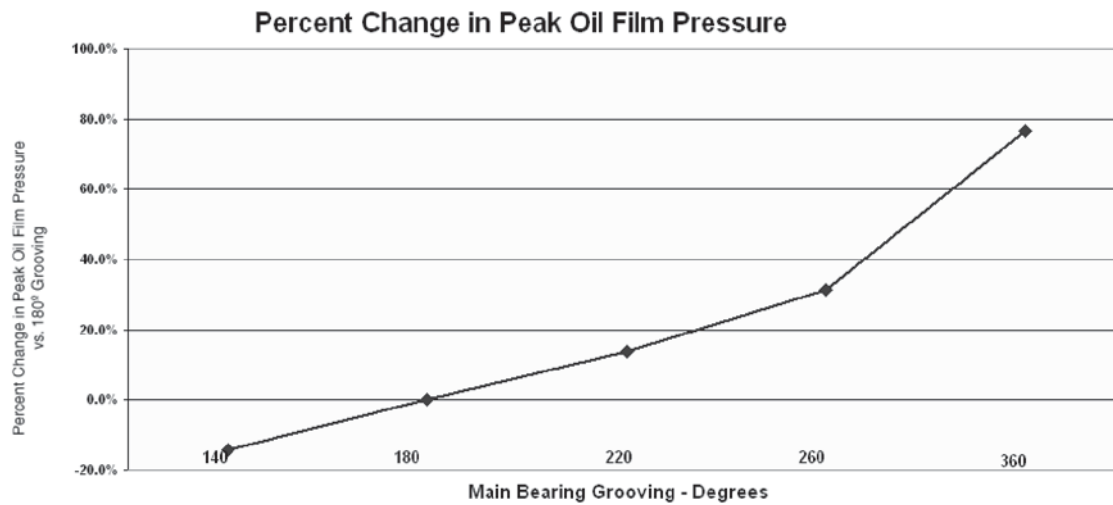
film of oil for the shaft to ride on. This provides a greater safety margin and improved bearing life. Upper main shells, which see lower loads than the lowers, have retained a groove to supply the connecting rods with oil.

In an effort to develop the best possible main bearing designs for performance engines, we've investigated the effects of main bearing grooving on bearing performance. The graphs on the next page illustrate that a simple 180° groove in the upper main shell is still the best overall design.

While a slightly shorter groove of 140° provides a marginal gain, most of the benefit is to the upper shell, which doesn't need improvement. On the other hand, extending the groove into the lower half, even as little as 20° at each parting line (220° in total), takes away from upper bearing performance without providing any benefit to the lower half. It's also interesting to note that as groove length increases so do Horsepower Loss and Peak Oil Film Pressure which is transmitted directly to the bearing.



Main bearing grooving



Crankshaft grinding and polishing

Crankshaft journal surfaces should be ground and polished to a surface finish of 15 micro inches roughness average Ra or better. Journals on highly loaded crankshafts such as diesel engines or high performance racing engines require a finish of 10 micro inches Ra or better.

The above is a simple straight forward specification which can be measured with special equipment. However, there is more to generating a ground and polished surface than just meeting the roughness specification. To prevent rapid, premature wear of the crankshaft bearings and to aid in the formation of an oil film, journal surfaces must be ground opposite to engine rotation and polished in the direction of rotation. This recommendation can cause a great deal of confusion in actual execution. Understanding the reasons behind the recommendation and examination of the following illustrations will help make the recommendation more clear.

Metal removal tends to raise burrs. This is true of nearly all metal removal processes. Different processes create different types of burrs. Grinding and polishing produces burrs that are so small that we can't see or feel them but they are there and can damage bearings if the shaft surface is not generated in the proper way. Rather than "burrs," let's call what results from grinding and polishing "microscopic fuzz."

This better describes what is left by these processes. This microscopic fuzz has a grain or lay to it like the hair on a dog's back. Figure 1 is an illustration depicting the lay of this fuzz on a journal. (Note: All figures are viewed from nose end of crankshaft.) The direction in which a grinding wheel or polishing belt passes over the journal surface will determine the lay of the micro fuzz.

In order to remove this fuzz from the surface, each successive operation should pass over the journal in the opposite direction so that the fuzz will be bent over backward and removed. Polishing in the same direction as grinding would not effectively remove this fuzz because it would merely lay down and then spring up again. Polishing must, therefore, be done opposite to grinding in order to improve the surface.

In order to arrive at how a shaft should be ground and polished, we must first determine the desired end result and then work backwards to establish how to achieve it. Figure 2 depicts a shaft turning in a bearing viewed from the front of a normal clockwise rotating engine. The desired condition is a journal with any fuzz left by the polishing operation oriented so it will lay down as the shaft passes over the bearing (Figure 2).

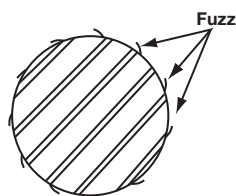


Figure 1
Journal illustrating fuzz from grinding and polishing.

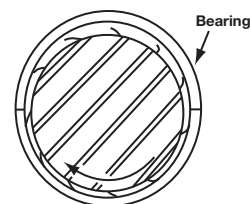


Figure 2
Journal rotating in bearing with the grain of the fuzz.

The analogy to the shaft passing over the bearing is like petting a dog from head to tail. A shaft polished in the opposite direction produces abrasion to the bearing which would be like petting a dog from tail to head. To generate a surface lay like that shown in Figure 2, the polishing belt must pass over the shaft surface as shown in Figure 3.

The direction of shaft rotation during polishing is not critical if a motorized belt type polisher is used because the belt runs much faster than the shaft. Stock removal during polishing must not exceed .0002" on the diameter.

Having determined the desired surface lay from polishing, we must next establish the proper direction for grinding to produce a surface lay opposite to that resulting from polishing. Figure 4 shows the grinding wheel and shaft directions of rotation and surface lay for grinding when viewed from the front or nose end of the crankshaft. This orientation will be achieved by chucking the flywheel flange at the left side of the grinder (in the headstock). Achieving the best possible surface finish during grinding will reduce the stock removal necessary during polishing.

The surface lay generated by grinding would cause abrasion to the bearing surfaces if left unpolished. By polishing in the direction shown in figure 3, the surface lay is reversed by the polishing operation removing fuzz created by grinding and leaving a surface lay which will not abrade the bearing surface.

Nodular cast iron shafts are particularly difficult to grind and polish because of the structure of the iron. Nodular iron gets its name from the nodular form of the graphite in this material. Grinding opens graphite nodules located at the surface of the journal leaving ragged edges which will damage a bearing. Polishing in the proper direction will remove the ragged edges from these open nodules.

All of the above is based on normal clockwise engine rotation when viewed from the front of the engine. For crankshafts which rotate counterclockwise, such as some marine engines, the crankshaft should be chucked at its opposite end during grinding and polishing. This is the same as viewing the crank from the flanged end rather than the nose end in the accompanying figures.

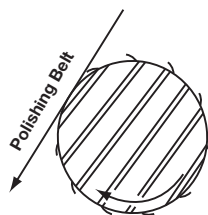


Figure 3
Direction polishing belt should pass over journal and grain of fuzz which results.

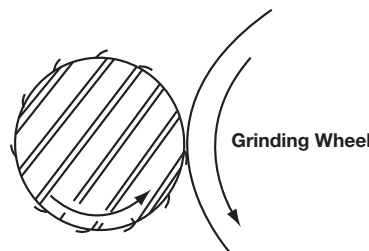


Figure 4
Directions of shaft and grinding wheel rotation and lay of fuzz which results.

Severe use recommendations

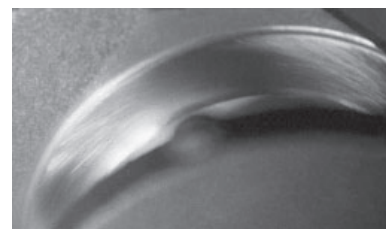
Crankshaft surface finish and shape are key factors affecting the performance of all bearings. These factors become even more critical for thrust surfaces. As in any bearing, increased loading reduces oil film thickness between shaft and bearing surfaces. This is a much more critical situation in thrust bearings due to their flat faces which make formation of an oil film extremely difficult. Radial bearings (those which carry loads in a radial direction like rod and main bearings) form a natural wedge where shaft and bearing surfaces come together in the clearance space. Shaft rotation pulls a wedge of oil into the loaded area of the bearing and forms an oil film that supports the load.

Thrust faces, on the other hand, are made up of two flat surfaces that do not form a natural wedge where they meet. In order to help form an oil film, artificial wedge shaped areas are machined into the bearing surfaces at the ends and sometimes adjacent to the grooves. In spite of all the common design efforts, thrust bearings still run on a much thinner film of oil that makes crankshaft surface finish critical in the successful performance of these bearings.

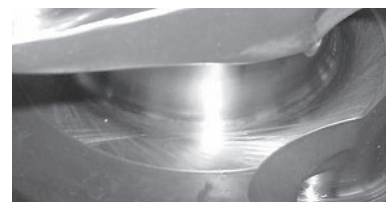
Recent samples of thrust face surface finish on crankshafts from blown fuel “Hemi” engines have confirmed that better finishes resulted in a reduced rate of bearing distress. The study also showed that when no damage occurred, the crankshaft surface finish was improved after running. The surface finishes of 12 crankshafts were measured (7 new and 5 used). The new shafts ranged from a high of 30 Ra to a low of 5 Ra. The used shafts had a very similar range from 31Ra to 4 Ra. Although this represents only a small sampling, it does

demonstrate a correlation between surface finish and performance when the condition of mating bearing surfaces was evaluated. Prior to these measurements, race experience had shown no problems on a crankshaft with a thrust-face Ra of 6 and DID show problems on crankshafts when the Ra was over 20!

Obtaining a good finish on the thrust face of a crankshaft is difficult to do because it uses side-wheel grinding. Side grinding causes marks that spiral outward toward the OD of the thrust face and may also cause crosshatch marks resembling honing patterns. Both patterns are detrimental to the formation of an oil film because they work like wipers as the shaft rotates. Grinding marks must be removed by polishing. Only a circular pattern should remain. Surface finish should be checked in a tangential direction and must be held to 10 Ra max. The thrust surface should be flat within .0002” max.



avoid - swirl pattern



avoid - crosshatch pattern

Heavy duty cam bearing materials

In the last decade or so engine development has increased dramatically. Each time an existing engine is revised or a new engine is developed, it pushes the limits of what its predecessor could produce both in horsepower and torque as well as fuel efficiency. With these gains, comes an increased load on the internal parts of these engines. One of these parts that are continually asked to perform under greater and greater pressures is the cam bearing. In engine configurations such as V6's and high RPM 4 cylinders, the cam bearing is a vital link along the path of the engines oiling system. If a cam bearing wears out prematurely the engine loses some of its oil pressure, which we all know can lead to premature engine failure. Other problems, which can be caused by premature cam bearing wear, are excessive cam lobe runout, improper timing, and generally poor running conditions. This is where strength and durability become key issues. This is why, in most applications, the O.E. manufacturers have turned to higher performing cam bearing materials. Traditional babbitt can only withstand up to 1800 psi. Clevite's AL-3 material can withstand up to 5000 psi. Quite a difference. When trying to adapt babbitt to an application that requires a more durable material, extra oil grooves are needed on the outside diameter of the bearing itself to help get oil to the rest of the engine. This only addresses

the oil starvation symptom inherent to the real problem of premature wear. All of the other symptoms that were listed above still occur with the right material for the job, such as Clevite's AL-3, these extra oil grooves aren't needed at all. In fact this gives more bearing contact area to the block to help in transferring heat away from these parts and prolonging bearing and engine life. Remember, when strength and durability is part of the question, Clevite is the answer.

On certain modified performance applications Clevite also offers a TriMetal™ cam bearing material (TM-1) that provides even greater strength and durability. These cam bearings are able to withstand loads in excess of 8,000 psi, while providing surface characteristics that are very forgiving and conformable.



Preventing premature cam bearing failure

For many years, nearly all camshaft bearings were manufactured with a lining of babbitt. Babbitt is a soft slippery material made up primarily of lead and tin and is quite similar to solder. As a bearing surface layer, babbitt possesses the desirable properties necessary to survive under adverse conditions such as foreign particle contamination, misalignment and marginal lubrication on start up.

The trend in modern engines has been toward higher operating temperatures and higher valvetrain loads. Babbitt is limited in its ability to survive under these conditions due to its relatively low strength. When babbitt cam bearings are installed under these demanding conditions, the lining may extrude or fatigue. Fatigue can be identified by craters in the bearing surface where sections of lining material have flaked out.

To meet the demands of higher loads and operating temperatures in modern engines as well as the requirements imposed by high performance, babbitt has been replaced by an alloy of aluminum. This aluminum alloy is much stronger than babbitt and will withstand several times the load. However, this added strength is obtained at the expense of some of the more forgiving properties of babbitt. The aluminum alloy is harder, making it somewhat less compatible with dirt, misalignment and marginal lubrication. This is typical of the compromises or trade offs that are frequently necessary when selecting a bearing material to suit the requirements of a specific application and in this case, higher loading.

Typically, whenever a higher level of loading is encountered, greater precision is required to maintain reliability. Conditions such as cleanliness, alignment, clearances, journal surface finishes and lubrication must all be controlled more closely. Following are some recommendations to help optimize performance when using aluminum alloy camshaft bearings.

Sufficient clearance is necessary in the initial installation. These stronger bearings will not wear in rapidly to make their own clearance like softer babbitt materials. Minimum clearance should be .002" for stock engines and .003" for high performance. Optimum clearance range for high performance applications is .003" to .004". Because of the stack up of tolerances on the block, shaft and bearing it is impossible to control clearance to this range in the manufacture of the bearing alone. Clearances must be measured at installation.

Honing the ID's of cam bearings to increase clearance is not recommended because hone grit may become embedded in bearing surfaces that will cause shaft wear. Bearing ID's may be reamed, but the most practical means is to adjust camshaft journal diameters by grinding the journal. Even if not ground to provide additional clearance, camshaft bearing journals should be polished to the proper surface finish with the camshaft rotating in the same direction it will rotate in the engine.

Like clearance, alignment is also extremely important especially for high performance

applications. Any block that has needed to have its main bearing bore alignment corrected due to distortion is likely to have experienced cam bearing bore distortion as well. Adequate clearance can help compensate for minor misalignment of less than .001".

Installation of bearings into the block must be done with care to avoid shaving metal off the backs of the bearings. This galling action may cause a build-up of metal between the bearing OD and the housing bore which will result in a reduction in clearance. To prevent galling,

check housing bores for a proper 25 to 30 degree lead-in chamfer before installing cam bearings. On blocks without grooves behind the cam bearings, care must be taken to insure that oil holes line up between the bearings and block. Where the block has a groove behind the bearing, the bearing should be installed with the oil hole at the 2 o'clock position when viewed from the front for normal clockwise camshaft rotation. This will introduce oil into the clearance space outside of the loaded area and allow shaft rotation to build an oil film ahead of the load.

Pointers for selecting high performance rod and main bearings

We are frequently asked “How can I tell which Clevite® high performance bearing to use?” With all of the options currently available in the Clevite line, that’s a reasonable question to ask. Before answering that question, let us explain why we offer so many different parts and what the differences are.

Just like Fords differ from Chevrolets and Chryslers, the various specialty parts for these engines also differ from one specialty manufacturer to another. This is not to say that any one brand of connecting rod, for example, is necessarily better than another, they just exhibit different characteristics.

Background

All bearings are an interference fit in their housing; this relates to something we call crush. Crush results from each half shell bearing being made a few thousandths more than a true half circle. When two bearing shells are placed together their outside diameter is slightly larger than the ID of the housing they fit into. When the housing cap is torqued the bearings are compressed, like a spring, resulting in a radial contact pressure between the bearings and the housing. Another way of looking at it is that the housing is squeezing inward on the bearings and the bearings are pushing back outward against the housing. Most of the interference fit is taken up by the bearings but the outward force exerted by the bearings against the housing also causes slight changes in the size and shape of the

housing. This is called “Housing Bore Distortion” or just ‘Bore Distortion’. With these factors in mind, it’s easy to understand why housings made of different materials like aluminum versus iron or steel will have different amounts of “Bore Distortion”.

Compensating for differing amounts of bore distortion isn’t as simple as just making an adjustment in the bearing clearance when the engine is assembled. The reason is that most housings (connecting rods and engine blocks) have irregular shapes surrounding the bearing. Rods, for example, have a beam at the top, notches for bolt heads or nuts, some have ribs over the cap while others don’t and of course, the parting line between the rod and cap is a weak point. The result is that bore distortions are seldom ever uniform in all directions. Some housings go out of round with the greatest dimension in the horizontal direction while others grow more in the vertical. Still others may bulge where there’s a notch for bolt head clearance. All of these bore distortion characteristics relate to the static loads between the bearings and housing when the engine is not running. Still another consideration is what happens under the dynamic conditions of a running engine where loads are constantly changing in magnitude and direction. Engine loads placed on the bearings and their housings will result in still further changes in housing bore geometry.

Original equipment bearings are tailored to

Selecting high performance bearings

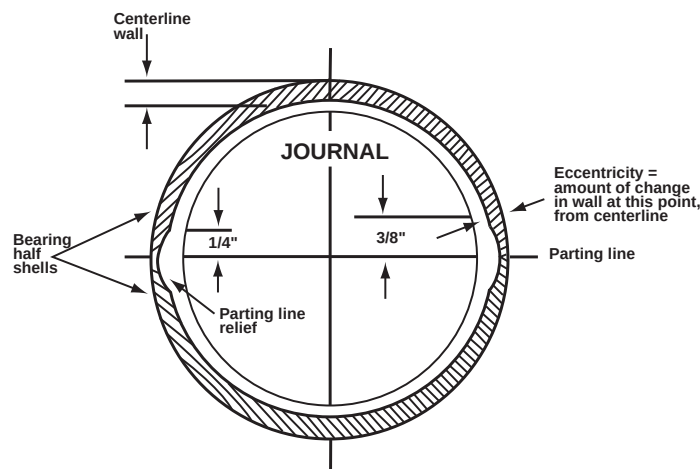
compensate for the combined static and dynamic distortions which occur in the housings. Specialty high performance parts like connecting rods and aluminum blocks are made for lighter weight and to withstand the higher loads and speeds of high performance engines. They seldom ever duplicate the bore distortion characteristics of the original equipment parts. Taking these facts into account, it should come as no surprise then that standard passenger car bearings are not suitable for engines modified extensively to produce higher horsepower and speeds. This not only explains why we have special bearings for high performance, but also why we offer several choices.

With so many different specialty high performance connecting rods and blocks available its impossible for the bearing manufacturer to know the characteristics of every piece. Even if we did, the choices of related parts which influence such things as rotating and reciprocating weights and balancing, all effect bearing loads and consequently dynamic bore distortions.

Bearing Design

So just how are bearings tailored to compensate for bore distortions? To understand this important design concern, we must first determine what the most desirable shape for a bearing ID is. If everything remained constant like loading, speeds and housing geometry, a perfectly round bearing could be made to work very well. For example, electric motor bushings run almost indefinitely under these conditions. In an engine where we have the variables described above, it has been determined that a slightly oval bearing ID with the minimum diameter oriented in line with the maximum load is the most desirable. To produce this type of profile, bearings are made with what we call an eccentric wall. In nearly all cases the bearing wall is thickest at 90 degrees to the parting line and tapers off from that point toward each parting line by some specified amount.

The amount of change, called eccentricity, is tailored to suit the bore displacement characteristics of the housing. A housing which experiences its greatest distortion in the



Selecting high performance bearings

horizontal direction (across the parting line) provides the desired oval shape so the bearing requires a minimum amount of eccentricity. If the housing experiences its maximum distortion in the vertical direction, a high eccentricity bearing is needed to compensate for this and produce the desired maximum ovality in the horizontal direction.

Connecting rods are subjected to high inertia loads at the top of the exhaust stroke when the weight of the piston, rings, wrist pin and top end of the rod are all pulling on the rod cap. This loading tries to stretch the rod and pulls the big end out of round, causing it to close in across the

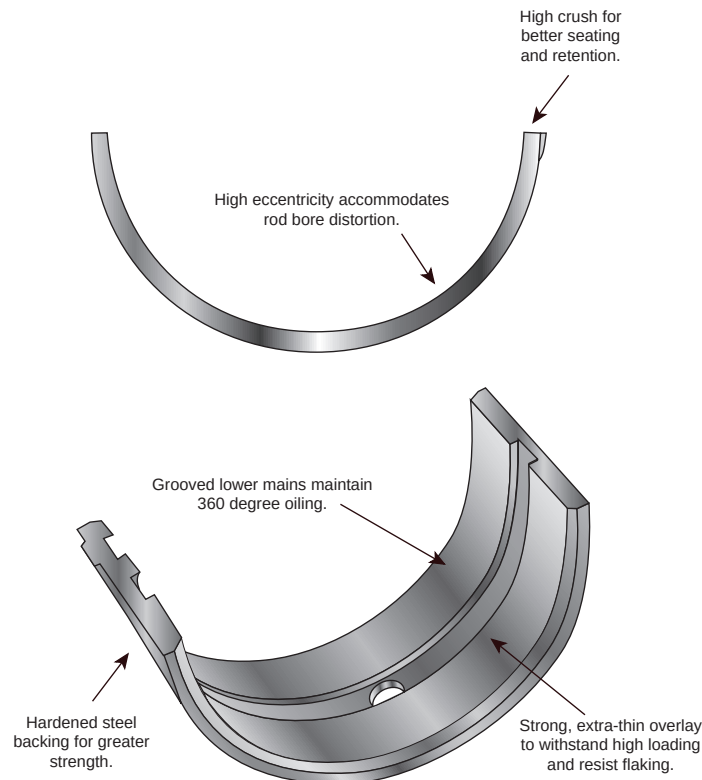
parting line. In this case, bearing wall eccentricity provides extra clearance to let the rod flex without having the bearings contact the shaft. Besides low, medium and high eccentricity, Clevite high performance bearings are offered with numerous additional features to make them compatible with related parts and suitable for the loads and speeds of competition engines.



P-Series Bearings

These are not to be confused with the standard passenger car and light truck parts for the same retention applications which also have a "P" suffix letter. These high performance parts have unique core part numbers different from the standard parts for the same application. P series parts are the oldest series of Clevite high performance bearings. The rod bearings in this series typically have the greatest amount of eccentricity. Most rod bearings are available either with or without dowel holes for use in aluminum rods. Most P series main sets are full grooved to maximize oil flow to the rod bearings. Both rods and mains have high crush for maximum retention, and a reduced overlay thickness to prevent overlay fatigue, sometimes referred to as hen tracking.

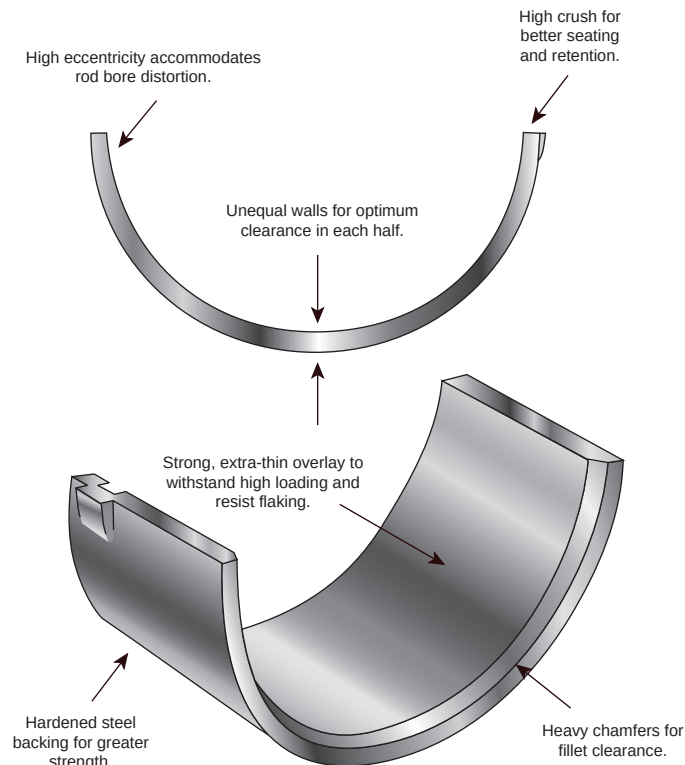
Rod bearings use a hardened steel back for added strength and resistance to fretting. Extra clearance rod bearings are available for .001" additional clearance and select fitting. Use the P series rods where extremely high RPM's cause severe rod bore close-in. This is typically indicated by nearly full parting line to parting line shaft contact with bearings having less eccentricity. Use P series mains where higher eccentricity is desired to narrow bearing contact patterns and to provide increased oiling to rod bearings. Rod bearing oil starvation is typically indicated by polishing and smearing of the bearing surface, possibly accompanied by discoloration predominantly concentrated at the axial center of the bearings.



Deltawall P-Series Bearings

Deltawall bearings are only available for the early and late small block Chevrolet connecting rods. These bearings incorporate a patented design which produces a tighter clearance in the upper or rod half bearing to spread firing loads over more of the bearing surface, while providing greater clearance in the lower or cap half bearing to allow for rod bore close-in and to maintain oil flow for cool running. The upper and lower bearing shells differ in centerline wall thickness by .002". The upper is .001" thicker than a standard equal wall bearing, and the lower is .001" thinner than an equal wall design for the same application.

Use Deltawall rod bearings in engines which operate over a broad range of RPM's with only brief periods of operation at maximum RPM; such as engines running on road courses or short tracks where the engine pulls hard through its mid-range.



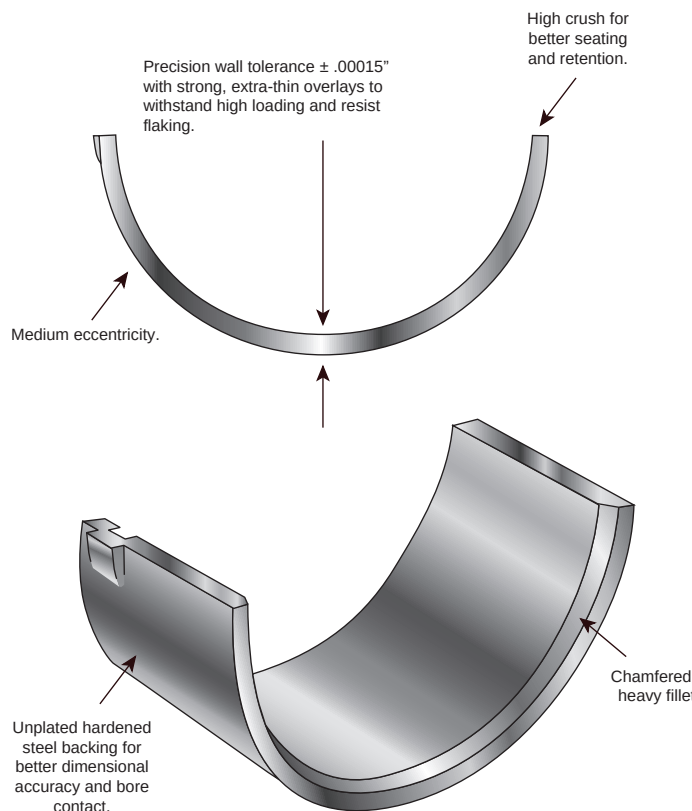
H-Series Bearings

These bearings are identified by a letter H in the part number suffix. Part numbering is based on the same core number as the standard passenger car parts for the same application. These bearings were developed primarily for use in NASCAR type racing, but are suitable for all types of competition engines.

H series bearings have a medium level of eccentricity, high crush, and rod bearings have a hardened steel back and thin overlay. These bearings also have enlarged chamfers for greater crankshaft fillet clearance and are made without flash plating for better seating. Bearings with .001" extra clearance are available for standard size shafts and carry the suffix HX" (X = extra

clearance). Rod bearings are available with or without dowel holes (HD = with, H = without), main bearings are available with standard 180 degrees upper half grooving and with full 360 degrees grooving (H = 180 degrees, HG 360 degrees). Use H series bearings with crankshafts that have oversize fillets and where engines run in the medium to high RPM range. H series bearings should be used if contact patterns obtained with P series parts are too narrow. Contact patterns should ideally cover 2/3 to 3/4 of the bearing surface. See accompanying contact pattern diagrams. If you aren't sure which type of performance bearing to start with, the H series bearing will be your best choice.

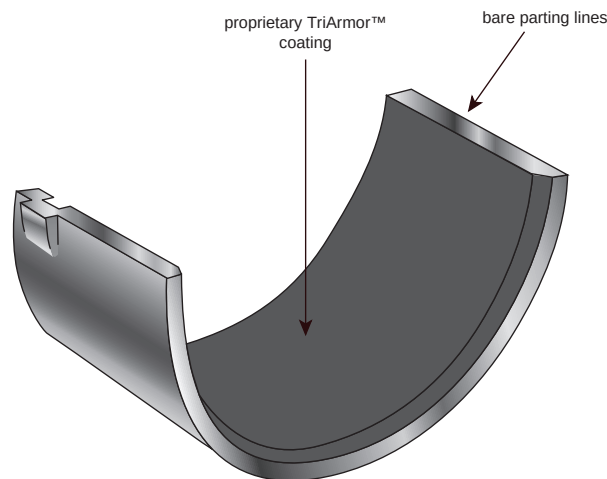
Please note: Some "H" series bearings will no longer be available with enlarged chamfers. Instead, the bearings will be narrowed in place of the enlarged chamfer to provide greater crankshaft fillet clearance. The new narrowed bearings will be available with a "HN" suffix and will be replacing the standard "H" suffix part number.



K-Series Bearings

These bearings are identified by a letter K in the part number suffix. Part numbering is based on the same core number as the high performance part and will service the same application. These bearings were developed primarily for high performance applications and all types of competition engines. K series bearings have a proprietary moly/graphite treatment applied to the bearings surface, but not the bearing parting lines. The PTFE carrier material gives good low

load start-up protection. The moly serves as a high pressure, high load dry film anti-wear agent. Graphite provides additional protection across the broad range of temperatures, especially when oil flow is marginal and is especially slippery with an oil film. These bearings, which are also referred to as TriArmor™, still offer the strength and durability of the legendary Clevite TriMetal™ bearing construction coupled with the latest in coating technology.

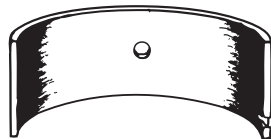


Narrow wear pattern



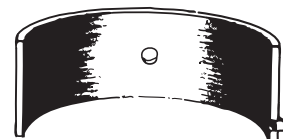
**Too much eccentricity.
Use the H-Series to
correct this.**

Wide wear pattern



**Too little eccentricity.
Use the P-Series to
correct this.**

Ideal wear pattern



**The wear pattern should
cover 2/3 - 3/4 of the
bearing surface area.**

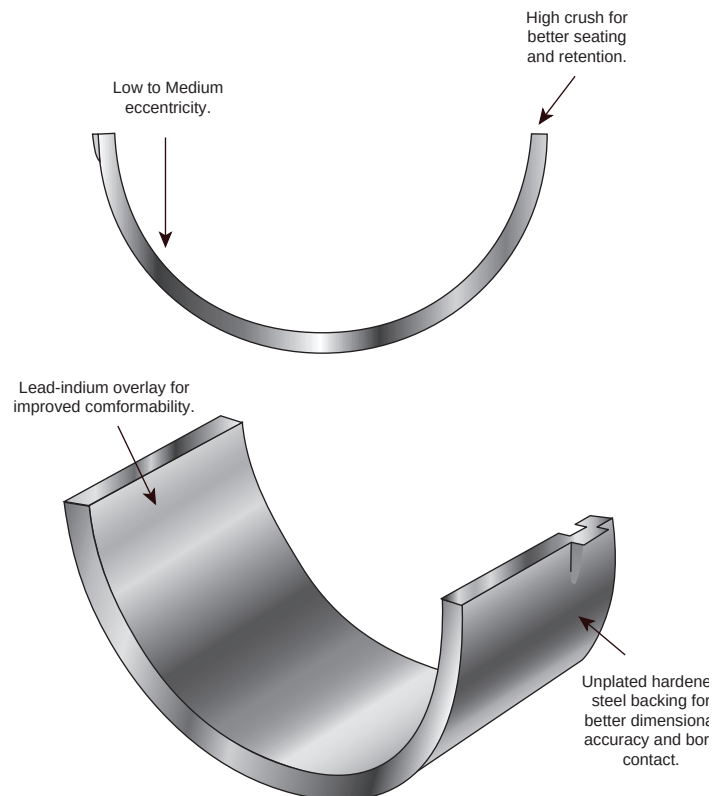
V-series bearings

These parts essentially duplicate the former Vandervell parts under the Clevite part numbering system. (Same core part no. as standard passenger car parts but with a suffix letter "V").

V series rod bearings typically have low to medium eccentricity and a hardened steel back. All V series main sets use a single piece thrust bearing rather than the former Vandervell assembled type of construction. V series parts are not available with oversize chamfers. Extra clearance parts are available with a suffix VX (.001" extra clearance), and VXX (.002" extra clearance) for some applications. V

series bearings do not have flash plating on the steel back. Narrowed parts are available with a VN suffix for some applications. These are made to accommodate increased crankshaft fillet clearance.

The chief difference between the V series and other Clevite TriMetal bearings is the use of a lead-indium overlay. Use V series bearings if prior experience has shown a preference for the lead-indium type of overlay. Lead indium overlay offers somewhat better conformability than lead-tin-copper overlay with slightly reduced wear resistance.

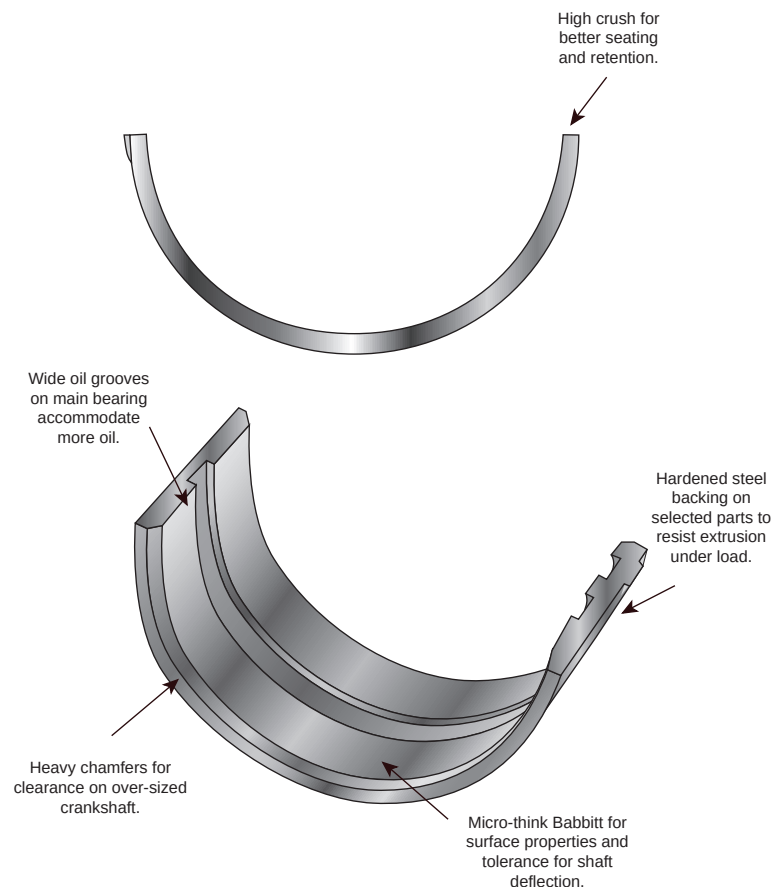


M-series bearings

Clevite “Micro” bearings make up the M series. These are special purpose bearings having a nominal .006” thick babbitt lining on a hardened steel back. M series rod bearings have been slightly narrowed at one end to provide extra fillet clearance without the need of a large chamfer. The lower rod shells have a dowel hole for use in aluminum rods with dowel pins. M series mains have enlarged chamfers and, for certain applications, oil holes and oil grooves have also been enlarged.

Use M series parts to take advantage of the high degree of conformability offered by the babbitt lining. These parts are intended mainly for engines where severe crankshaft deflections cause edge loading of the bearings. Under these operating conditions bearing service life will be very short.

Frequent inspections are recommended and bearings should be replaced at the first signs of distress.



Installation and fitting tips

When measuring bearings, measurements should always be taken at 90 degrees to the parting line to determine the minimum clearance. If measuring the bearing wall thickness, use a special micrometer with a ball anvil to fit the curvature of the bearing I.D. The best way to determine bearing clearance is to measure the bearing ID with the bearings installed in the housing and the bolts torqued to the specified assembly torque. Use a dial bore gage to measure the bearing ID at 90 degrees to the parting line, then subtract shaft size from bearing ID to determine clearance. If the dial bore gage is zeroed at the actual diameter of the crankshaft journal to be installed, the dial bore gage will then read clearance directly and the subtraction calculation can be eliminated. About .001" clearance per inch of shaft diameter is a good rule of thumb for clearance. Increasing the total by about .0005" will add a little margin of safety when starting out, especially for rods. Example: $.001" \times 2.100 = .0021"$ then add .0005", so starting out set clearance at .0026" for a 2.100 shaft.

If clearance adjustments need to be made, use either an extra clearance part for more clearance, or an undersize part for less clearance. It is permissible to mix sizes if less than .001" adjustment in clearance is desired. When mixing sizes for select fitting never mix parts having more than .0005" difference in wall size, and always install the thickest wall shell in the upper position if installing a rod bearing, or the lower position if installing a main bearing. When

working with a reground shaft always measure assembled bearing ID's first and have the shaft sized to produce the desired clearance since there are no extra clearance parts available for undersize shafts.

When measuring a bearing ID or wall thickness avoid measuring at the parting line. As the "Bearing Design" diagram illustrates there is a parting line relief machined into nearly all bearing shells. This relief is to allow for any mis-match between upper and lower shells due to tolerance differences, or possibly resulting from cap shift or twist during assembly. To determine bearing wall eccentricity or assembled bearing ID ovality, measure at a point at least 3/8" away from the parting line.

When installing any bearing DO NOT ATTEMPT TO POLISH THE BEARING RUNNING SURFACE WITH ANY TYPE OF ABRASIVE PAD OR PAPER.

Bearing overlay layers are extremely soft and thin, typically .0005" on high performance parts. These thin layers can easily be damaged or removed by abrasive media. Because the overlay layer is electroplated, it may exhibit microscopic plating nodules that make it feel slightly rough. The nodules are the same material as the rest of the plated layer and will quickly be flattened by the shaft. Bearing surfaces can be lightly burnished with solvent and a paper towel if desired.

Bearing installation and fitting

Arriving at the correct choice of high performance bearing for a given racing application is much like determining what clearance works best. We use past experience, our knowledge of the intended usage, and common sense to guide us in making an initial choice. From there on we can fine tune the selection process based on results. The information given here is intended

to aid in the initial selection as well as the fine tuning process.

The following table serves as a brief overview of the features included in each of the special Clevite® brand high performance bearing series.

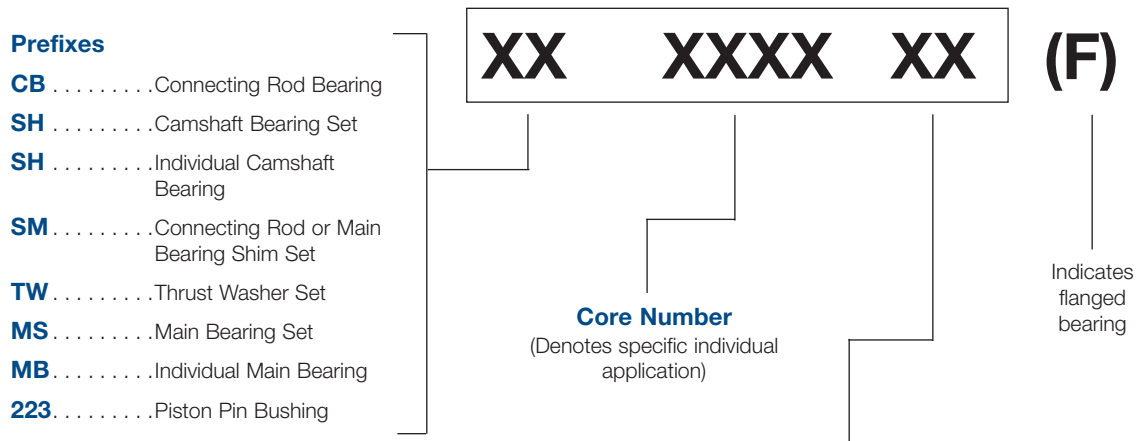
	P Series			H Series		V Series		M Series	
	Rods	Deltawall	Mains	Rods	Mains	Rods	Mains	Rods	Mains
Eccentricity	H	H	H-M	M	M	L-M	L-M	L-M-H	L-M
High Crush	X	X	X	X	X	X	X	X	X
Hard Back	X	X		X		X		X	
O.S. Chamfers		X		X	X	AS		S	X
Dowel Hole	A			A		A		X	
Thin Overlay	X	X	X	X					
No Flash	A	A	A	X	X	X	X	X	X
Plating									
Reduced Wall				X	X	X	X		
Tolerance									
Full Grooving			A		A		A		A

Legend:

A = Available for some applications
H = High eccentricity (up to .0015")
L = Low eccentricity (up to .0005")
M = Medium eccentricity (up to .0010")
S = Shortened length at fillet end
X = Applies to all or nearly all parts



Part Number Identification



Suffixes

A

Steel backed lead free aluminum silicon alloy bearings without overlay.

AL

Solid cast aluminum alloy bearings (material designation AL-1) or steel backed bearings with an aluminum alloy lining (material designation AL-3, AL4, AL-5, AL-6). Precision undersize bearings are not resizable. AL-1 semi bearings are resizable to standard size.

B

Steel backed bearings with a conventional babbitt lining. Precision undersizes are not resizable. B-60 bearings are resizable to standard size (material designation B-1).

C

Steel backed bearings with a copper-lead lining. Precision undersizes are not resizable. C-60 bearings are resizable to a standard size (material designation C-1).

CV

Cryogenically treated high performance bearing with a lead-indium overlay.

D

Bearing has dowel hole.

G

Steel backed bearings with a matrix of copper and an infiltrant of lead-tin babbitt. Precision undersizes are not resizable. G-60 bearings are resizable to standard size (material designation C-1).

H

High performance bearing (on main sets this indicates partial groove).

HG

High performance full annular grooved bearing.

K

High performance bearing with proprietary TriArmor™ coating applied to the bearing surface.

M

Steel backed bearings with a Micro-Babbitt lining. Precision undersizes are not resizable (material designation B-2).

N

High performance bearing narrowed for greater crankshaft fillet clearance.

P

Steel backed bearings with an intermediate layer of copper-lead alloy and an electroplated lead-tin-copper overlay. Precision undersizes are not resizable (material designation TM-1, TM-, TM-112).

R

Indicates that the bearing can be resized to standard. When following a camshaft bearing, indicates that it has extra bore stock in the inside diameter. All other camshaft bearings are precision type (material designation B-1, C-1, AL-3).

S

Indicates a set number designation.

V

High performance bearing with a lead-indium overlay (on main sets this indicates partial groove).

VG

High performance bearing with a lead-indium overlay and a full annular groove.

X

Bearing has .001" more oil clearance than standard.

XX

Bearing has .002" more oil clearance than standard.

W

Indicates a part that is a thrust washer (may also be designated upper or lower).

Bearing Material Designations & Terminology

AL-1

Solid cast aluminum alloy.

AL-3

Steel backed aluminum alloy without overlay.

AL-4

Steel backed aluminum alloy with babbitt overlay.

AL-5

Steel backed lead-free aluminum silicon alloy without overlay

AL-6

Steel backed aluminum silicon alloy without overlay

B

Rolled Bronze.

B-1

Steel backed tin or lead base conventional babbitt (nominal .020" thickness).

B-2

Steel backed tin or lead base with a Micro-Babbitt lining (nominal .006" thickness).

C-1

Steel backed copper-lead matrix without overlay.

TM-1

Steel backed copper-lead matrix with overlay.

TM-

Steel backed bearings with an intermediate layer of copper-lead alloy and an electro-plated lead-base overlay. Precision undersizes are not resizable.

TM-112

Steel backed bearings with an intermediate layer of copper-lead alloy and an electro-plated lead-base overlay. Precision undersizes are not resizable.

VP-2

Steel backed bearings with an intermediate layer of copper-lead alloy and an electroplated lead indium overlay. Not resizable.

VP-3

Steel backed bearings with an intermediate layer of copper-lead alloy and an extra thick electroplated lead indium overlay. Not resizable.

Bearing Outside Diameter Or Housing Bore

The minimum to maximum diameter of the hole in the engine block or the connecting rod.

Crush

When the bearing half is in its place in the housing bore, there is a slight bit of material that extends above the housing bore. When the assembly is torqued to proper specification, force is then exerting onto the OD of the bearing causing a press fit. Crush also aids in bore distortion, and heat transfer by increasing the surface contact with the bearing and the bore. Clevite Performance bearings have added crush for heat transfer and bearing retention. The amount of crush will vary depending on application.

Eccentricity

A gradual reduction in the bearing wall thickness starting at the crown and ending at approximately .380" from the parting lines.

Full Annular Grooved

Bearings having an oil groove cut from parting line to parting line in the internal surface of the half shell. When two grooved halves are joined, this creates a groove in the internal surface around the total circumference of the bearing.

Maximum Bearing Length

The maximum length that the bearing may have (including the flange when it applies). The actual length is usually less than this value.

Maximum Wall At Crown

The maximum thickness of the bearing wall at 90° from the parting lines. The actual thickness is usually less than this value.

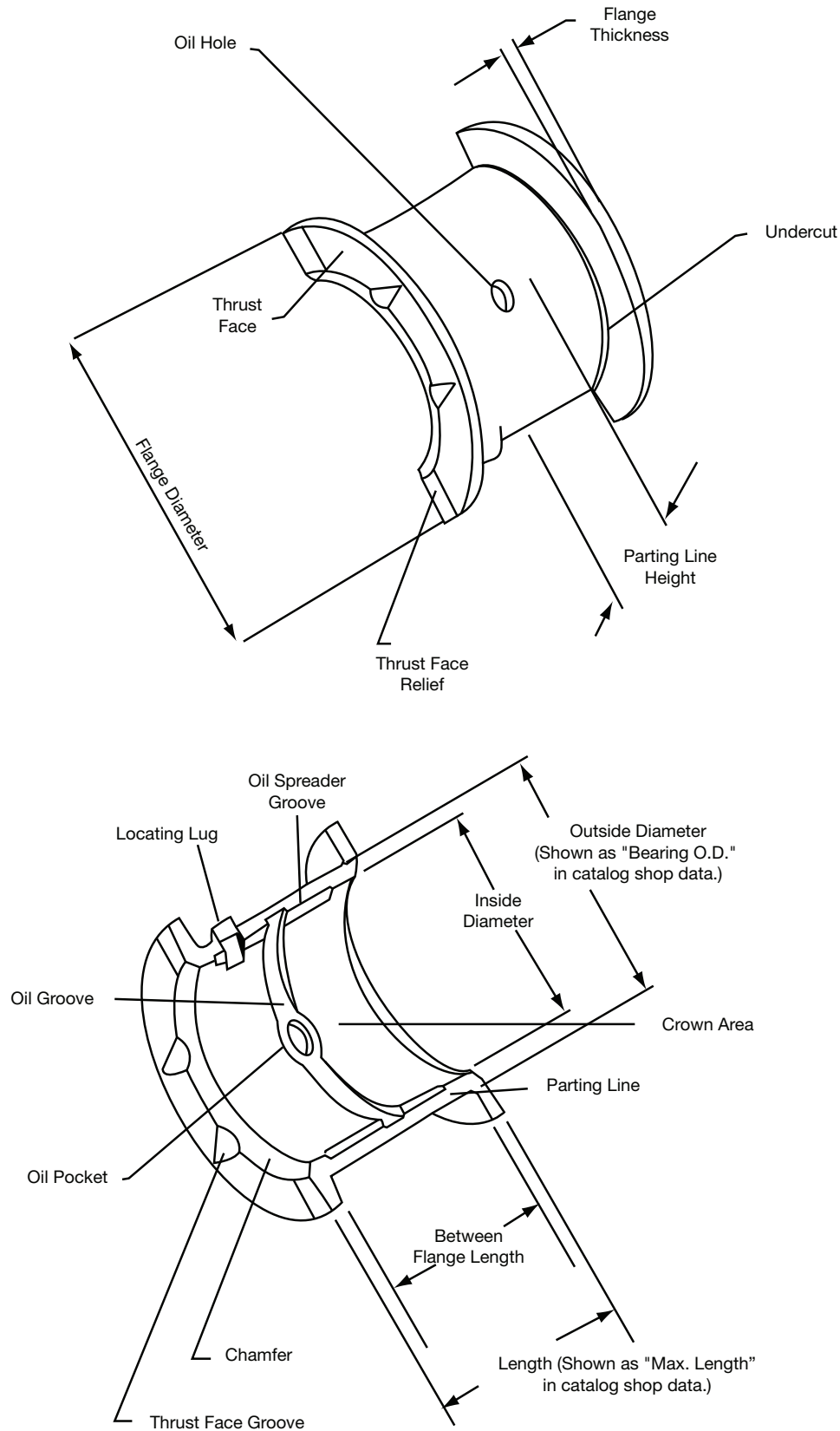
Standard Shaft Diameter

The minimum to maximum size of the standard main crankshaft journal, connecting rod journal or camshaft journal.

Vertical Oil Clearance

The difference between the assembled inside diameter of the bearing and the outside diameter of the shaft, measured at 90° from the bearing parting lines.

Bearing Nomenclature



Crankshaft Designs and Bearing Locations

Crankshaft Designs



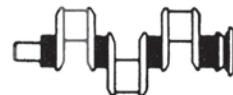
Three main bearing - 4 cylinder



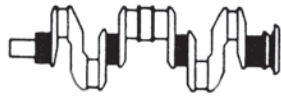
Seven main bearing - 6 cylinder



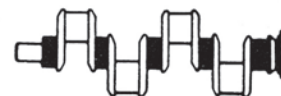
Five main bearing - 4 cylinder



Four main bearing - v6

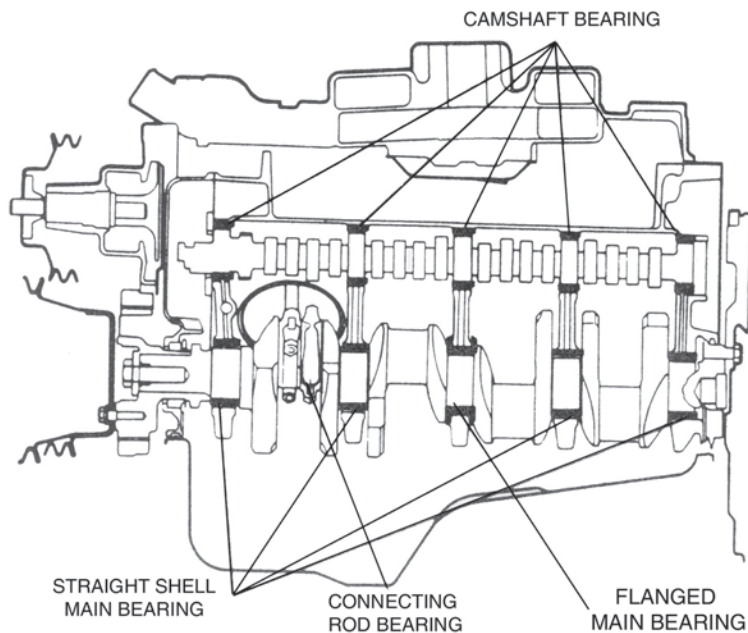


Four main bearing - 6 cylinder



Five main bearing - v8

Bearing Locations



Bolt Boots, Bearing Guard and Plastigage

Clevite® Bolt Boots

Clevite bolt boots protect journal surfaces during engine assembly, preventing crankshaft damage. Shipped with 2 per bag and sold in cartons of 48 bagged pairs only.

2800-B1 (quantities of 48 only)

Clevite® Bearing Guard

Clevite Bearing Guard is specially formulated to provide proper lubrication for all engine components during assembly and the first crucial moments of operation after engine start-up. Bearing Guard has an Extreme Pressure (EP) rating for the most severe applications.

2800-B2 8oz bottle (quantities of 12 only)

2800-B4 1 gallon jug (sold individually)

2800-B5 1-1/3 oz. package (quantities of 50 only)

2800-B15 15 gallon drum (sold individually)

CL-400 4oz bottle (Cam Guard) (quantities of 12 only)

Clevite® Plastigage

Plastigage was designed as a final check of total vertical oil clearance during reassembly. It was not meant as a replacement for properly measuring crankshaft journals, housing bores or bearing dimensions before engine reassembly with accurate mics and gauges.

To properly use Plastigage during reassembly, readings should be taken on the bearing cap half shell while the weight of the crankshaft or piston and rod assembly is supported by the other half shell.

Place a small amount of oil on the crankshaft journal only where the Plastigage will be placed and wipe any excess oil off with a clean rag. This will result in a more accurate reading by preventing the PLASTIGAGE from sticking to the journal.

Place a strand of Plastigage across the length of the journal parallel to the crankshaft.

Set the cap in place and tighten bolts to the proper OEM torque specification. NOTE: if the crankshaft is moved at this point it will smear the Plastigage, resulting in inaccurate readings.

Carefully remove the cap and measure the crushed Plastigage using the graduations printed on the package. Measure the crush along the entire length of the Plastigage, noting the highs and lows for proper clearance.

After you have made your measurements, carefully remove the crushed Plastigage from the components without scratching the bearing or the journal.

Clevite® Plastigage is available in four different sizes to check total vertical oil clearance on connecting rod and main bearings. Each package has a measuring scale printed in inches and millimeters. Strips are color coded for easy size identification and are soluble in oil.

MPG1 .001" — .003" (.025 — .075mm) Green*

MPR1 .002" — .006" (.050 — .15mm) Red*

MPB1 .004" — .009" (.10 — .23mm) Blue*

MPY1 .009" — .020" (.23 — .50mm) Yellow*

(*Sold in quantities of 12 strips only)



The Clevite® Engine Bearing Catalog System

This bearing catalog contains set listings for domestic and imported passenger car and truck engine applications and heavy duty engine applications including on-road, agricultural, stationary, industrial and marine engines arranged in alphabetical sequence with the manufacturer's name appearing in bold-face type at the outer margins of each page. The index at the front of this catalog will help to easily locate the desired manufacturer. Each manufacturer listing also includes information on separate model lines and which engines are available for particular years. The "Chrysler Products" listing includes Chrysler, DeSoto, Dodge and Plymouth engine and model data. The "Ford Products" listing includes Edsel, Ford, Lincoln, Mercury and Merkur engine and model data. The "General Motors Products" listing includes Buick, Cadillac, Chevrolet, GMC, Oldsmobile, Pontiac and Saturn engine and model data.

To find the correct Clevite® part number:

1. Use the manufacturers index in the front of this catalog to locate the vehicle manufacturer listing desired.
2. Turn to the indicated manufacturer section, and using the engine data provided, locate the corresponding block number listed to the right of the desired engine. Model data is also included to help identify what engines are used in particular models during regular production years. For heavy duty applications, the block number may also be listed in the model data section for ease of reference.
3. Go to block indicated and locate the quadrant (see below) with the appropriate part name desired (i.e. Rod Bearing, Cam Bearing Set, Main Bearing Set). Special notes regarding application data will be stated on the line directly under the part number (i.e. year breaks, serial number breaks). Pay particular attention to any special symbol footnotes listed, which call out alternate

materials available and the availability of new, superseded or discontinued items.

4. Scan across to the part number required, making sure to select the desired undersize from the sizes that are currently available.

Each manufacturer listing includes **five** distinct sections. The **first** section, found at the beginning of each listing, consists of engine data used to assist in the correct identification of engines used by the manufacturer. Engine codes are also included for all European and Japanese engines to help identify them. The **second** section consists of model data with correct engines used in specific vehicles and model years. The **third** section consists of original equipment connecting rod forging numbers referenced to the correct block number for rod bearing applications. The **fourth** section consists of original equipment crankshaft forging numbers references to the correct block number for main bearing applications. The **fifth** section consists of the actual set listings and pertinent shop data specifications. Engines using the same parts are grouped together to save space in the listings. Engines are arranged first by number of cylinders in ascending order (i.e. 4 cylinder, 6 cylinder, 8 cylinder), and then by displacement in ascending order (i.e. 200-229, 231-252, 260 diesel). Some heavy duty manufacturers sections are arranged in alphabetical order (i.e. B series, F series, M series). Each block in the **fifth** section is divided into four different quadrants. Each quadrant has information pertaining to the specific engines listed on the application data line above it. The following chart will help you in specifying the correct bearing part numbers and undersizes desired.

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
10 (Cont.)	Quadrant A	Spherical V8 Cyl (1957-1958)		Quadrant B	8 CYL (Cont.)			10 (Cont.)
					01.6mm x 3.906in./99.2mm			
Main Bearing Set	B-2	MS-426M	Application Data	2.6870/2.6880	0.0005/0.0026	0.0959	2.8800/2.8805	0.9100
1-2-4		MB-1802M		2.6870/2.6880	0.0005/0.0026	0.0959	2.8800/2.8805	1.2020
3		MB-1803M(F)		2.6870/2.6880	0.0005/0.0026	0.0959	2.8800/2.8805	1.6300
5		MB-1804M						
NOTE: M-Series Performance,Contains Full Grooved Bearings								
Cam Bearing Set	B-1	SH-313S	STD	1.9980/1.9990	0.0005/0.0045	0.0650	2.1295/2.1305	0.9440
1 2 5	Quadrant C	SH-313	Quadrant D	1.9980/1.9990	0.0005/0.0045	0.0650	2.1295/2.1305	0.8190
		SH-314		1.4355/1.4365	0.0005/0.0045	0.0650	1.5670/1.5680	0.8820
		SH-315						
Rod Forging	167375							
C/S Forging	167375							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	85 To 90 Lbs.Ft.							



The Clevite® Engine Bearing Catalog System

Quadrant A data includes the types of bearing and number of pairs required (if applicable), the bearing material designation (see chart on following pages), the Clevite® part number and all available undersizes. Positions for individual bearings and thrust washers within a set are also indicated to ensure proper installation in the engine. Any special application or installation information needed appears as a "NOTE" message under the affected set or individual part number. If a Main Bearing set does not include required thrust washers, the Main T/W Set listed above it will have a "NOTE" line reading "Required with MS (set number)."

Quadrant B consists of shop data specifications corresponding to the individual Clevite® bearing directly to its left in Quadrant A. This detailed shop data is divided into five columns reading from left to right:

1. Standard shaft diameter
2. Vertical oil clearance
3. Maximum wall at crown
4. Bearing outside diameter or housing bore
5. Maximum bearing length

All shop data is expressed in inch sizes, even if the engine is manufactured to metric specifications (a reminder of this appears in Quadrant B of all metric engines).

Quadrant C consists of connecting rod and crankshaft forging numbers that correspond to each particular engine in the block. These numbers will help identify the correct connecting rod bearings or main bearing sets for engines listed. Connecting rod forging numbers are listed as "C/S Forging."

Quadrant D consists of bolt torque specifications and any special notes pertaining to those specifications. The recommended bolt torque specifications are based on O.E.M. recommendations. Refer to an O.E.M. service manual for the correct tightening sequence for each particular engine with torque specifications listed.

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
10 (Cont.)	Quadrant A	Spherical V8 Cyl (1957-1958)		Quadrant B	8 CYL (Cont.)			
					01.6mm x 3.906in./99.2mm			
					10 (Cont.)			
Main Bearing Set 1-2-4 3 5	B-2	MS-426M MB-1802M MB-1803M(F) MB-1804M	Application Data	2.6870/2.6880	0.0005/0.0026	0.0959	2.8800/2.8805	0.9100
				2.6870/2.6880	0.0005/0.0026	0.0959	2.8800/2.8805	1.2020
				2.6870/2.6880	0.0005/0.0026	0.0959	2.8800/2.8805	1.6300
NOTE: M-Series Performance, Contains Full Grooved Bearings								
Cam Bearing Set 1 2 5	B-1	SH-313S SH-313 SH-314 SH-315	Quadrant D	1.9980/1.9990	0.0005/0.0045	0.0650	2.1295/2.1305	0.9440
Quadrant C				1.9980/1.9990	0.0005/0.0045	0.0650	2.1295/2.1305	0.8190
				1.4355/1.4365	0.0005/0.0045	0.0650	1.5670/1.5680	0.8820
Rod Forging C/S Forging	1673755							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 85 To 90 Lbs.Ft.							



Système de catalogue de coussinets de moteur Clevite®

Ce catalogue de coussinets contient des listes de jeux pour les applications de moteurs de camions et de voitures de tourisme importées et nationales et les applications de moteur service sévère y compris les moteurs routiers, agricoles, fixes, industriels et marins, disposés dans une séquence alphabétique avec le nom du fabricant figurant en caractères gras sur la marge extérieure de chaque page. L'index, au début de ce catalogue, aidera à localiser facilement le fabricant désiré. Chaque liste de fabricant comprend aussi des informations séparées sur les lignes de modèles et quels moteurs sont disponibles dans des années spécifiques. La liste des "Produits Chrysler" comprend les données de modèles et de moteurs Chrysler, DeSoto, Dodge et Plymouth. La liste des "Produits Ford" comprend les données de modèles et de moteurs Edsel, Ford, Lincoln, Mercury et Merkur. La liste des "Produits General Motors" comprend les données de modèles et de moteurs Buick, Cadillac, Chevrolet, GMC, Oldsmobile, Pontiac et Saturn.

Pour trouver le numéro de pièce correct Clevite®:

1. Utiliser l'index des fabricants au début de ce catalogue pour localiser le fabricant du véhicule désiré.
2. Passer à la section du fabricant indiquée et, en utilisant les données du moteur fournies, localiser le numéro de bloc correspondant donné à la droite du moteur désiré. Les données de modèles sont aussi indiquées pour aider à identifier quels moteurs sont utilisés dans des modèles particuliers pendant les années de production normales. Pour les applications service sévère, le numéro de bloc peut aussi être donné dans la section de données des modèles pour faciliter la référence.
3. Passer au bloc indiqué et localiser le secteur (voir cidessous) avec le nom de la pièce désirée (c'est-à-dire coussinet de bielle, jeu de coussinets d'arbre à cames, jeu de paliers). Des remarques spéciales concernant les données d'application seront indiquées sur la ligne directement au-dessous du numéro de pièce (c'est-à-dire, l'intervalle des années, l'intervalle des numéros de

série). Faire particulièrement attention à toutes remarques à symboles qui indiquent d'autres matières disponibles et la disponibilité d'articles nouveaux, remplacés ou dont la production a été arrêtée.

4. Passer au numéro de pièce nécessaire en s'assurant de choisir la sous-dimension désirée parmi les dimensions disponibles.

Chaque liste de fabricant comprend **cinq** sections distinctes. La **première** section, trouvée au début de chaque liste, comprend les données de moteur qui sont utilisées pour aider à identifier correctement les moteurs utilisés par le fabricant. Les codes de moteurs comprennent également tous les moteurs européens et japonais, pour aider à les identifier. La **deuxième** section comprend les données de modèles avec les moteurs corrects utilisés dans des véhicules spécifiques et les années des modèles. La **troisième** section comprend les numéros de pièces de forge de bielles d'équipement d'origine en référence au numéro de bloc correct pour les applications de coussinets de bielle. La **quatrième** section comprend les numéros de pièces forgées de vilebrequin d'équipement d'origine, en référence au numéro de bloc correct pour les applications de coussinets. La **cinquième** section comprend les listes courantes de jeux et les spécifications des données techniques d'atelier pertinentes. Les moteurs utilisant les mêmes pièces sont groupés pour économiser l'espace sur les listes. Les moteurs sont indiqués d'abord par le nombre de cylindres dans l'ordre croissant (c'est-à-dire, 4 cylindres, 6 cylindres, 8 cylindres), et ensuite par cylindrées en ordre croissant (c'est-à-dire, 200-229, 231-252, 260 diesel). Certaines sections de fabricants avec applications service sévère sont indiquées par ordre alphabétique (c'est-à-dire, série B, série F, série M). Chaque bloc de la **cinquième** section est divisé en quatre secteurs différents. Chaque secteur a des informations appartenant aux moteurs spécifiques énumérés au-dessus de la ligne de données d'application. Le tableau suivant vous aidera à spécifier les numéros de pièces de coussinets corrects et les sous-dimensions désirées.

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3	200 CID (3.3L) Chevrolet V6 Cyl (1978-1979)			3.500in./88.9mm x 3.484in./88.5mm				
	200 CID (3.3L) Chevrolet V6 Cyl (1980-1984)			3.500in./88.9mm x 3.484in./88.5mm				3
Rod Be NOTE:	Le Secteur A			Données d'applications				
		CB-1227H	STD.	1.0990/1.0990	0.0010/0.0010	0.0622	2.2247/2.2257	0.7130
Rod Bearing(6) NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance		CB-1227HX	STD.	1.0990/2.1000	0.0010/0.0010	0.0617	2.2247/2.2257	0.7130
Cam B 1	Le Secteur C			Le Secteur D				
		SH-1350S	STD, 10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-4		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3		SH-135		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
C/S Forging	143, 147, 720N, 1354N,							
Connecting Rod Main Bearing	45 Lbs.Ft. 70 Lbs.Ft.							



Système de catalogue de coussinets de moteur Clevite®

Les données du secteur A comprennent les types de coussinets et le nombre de paires nécessaires (le cas échéant), la désignation du matériel de coussinets (voir les tableaux sur les pages suivantes), le numéro de pièce Clevite® et toutes les sous-dimension disponibles. Les positions pour les coussinets individuels et les anneaux de butée dans chaque jeu de coussinets sont aussi indiquées pour s'assurer de leur installation correcte. Toute application spéciale ou information d'installation nécessaire apparaissent en forme de "NOTE SPECIAL", sous le jeu affecté ou le numéro de pièce individuel. Si un jeu de coussinets ne comprend pas les rondelles de butée nécessaires, le jeu de rondelles de butée donné au-dessus aura une ligne "NOTE SPECIAL" "Nécessaire avec le (numéro de jeu) MS."

Les données du secteur B comprennent les spécifications de données pour l'atelier correspondant au coussinet individuel Clevite® directement à la gauche du secteur A. Ces données techniques d'atelier détaillées sont divisées en cinq colonnes qui indiquent, de gauche à droite:

1. Diamètre d'arbre standard
2. Dégagement vertical pour l'huile
3. Paroi maximale à la couronne
4. Diamètre extérieur du coussinet ou alésage du boîtier
5. Longueur maximale du coussinet

Toutes les données techniques d'atelier sont exprimées en pouces, même si le moteur est fabriqué conformément au système métrique (un rappel de cela figure dans le secteur B de tous les moteurs métriques).

Les données du secteur C comprennent des numéros de forging des coussinets de bielle et de vilebrequin qui correspondent à chaque moteur en particulier indiqués dans le tableau. Ces numéros vous aideront à identifier les coussinets de bielle ou de vilebrequin corrects pour les moteurs indiqués. Les numéros d'estampage des coussinets de bielle sont indiqués comme "Rod Forging" et les numéros d'estampage des coussinets des vilebrequin sont indiqués comme "C/S Forging."

Les données du secteur D comprennent les spécifications des couples de boulons et toutes les remarques spéciales appartenant à ces spécifications. Les spécifications des couples de boulons recommandées se basent sur les recommandations des manufacturiers d'équipement d'origine. Veuillez vous référer à un manuel de service pour obtenir l'ordre correct de pression pour chaque moteur en particulier avec des spécifications de couple indiquées.

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3	200 CID (3.3L) Chevrolet V6 Cyl (1978-1979)			3.500in./88.9mm x 3.484in./88.5mm				
	Degree Chevrolet V6 Cyl (1980-1984)			3.500in./88.9mm x 3.484in./88.5mm				3
Rod Be NOTE:	Le Secteur A	CB-1227H	STD.	Le Secteur B				
		CB-1227HX	STD.	2.0990/2.1000	0.0010/0.0015	0.0617	2.2247/2.2257	0.7130
NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance								
Main Bearing Set 1-2-3	TM-77	MS-1454P	STD, 1, 10, 20, 30, 40	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: Grooved Upper Halves Plain Lower Halves								
Cam B		SH-1350S	STD, 10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
1	Le Secteur C	SH-1349		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
2-4		SH-135		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
3		SH-135						
Le Secteur D								
C/S Forging 143, 147, 754N, 1354N, 1354N, 1354N								
Connecting Rod 45 Lbs.Ft.								
Main Bearing 70 Lbs.Ft.								

El sistema del catalogo Clevite® para cojinetes de motores

Este catálogo de cojinetes contiene listados de conjuntos para uso en motores de automóviles y camiones importados y también para uso en motores pesados incluyendo los carreteros, agrícolas, estacionarios y marinos, ordenado en orden alfabético apareciendo el nombre del fabricante en negrita en el margen exterior de cada página. El índice en el frente de este catálogo ayudará a localizar fácilmente al fabricante buscado. El listado de cada fabricante también incluye información acerca de modelos distintos y que motores hay disponibles para años determinados. El listado de "Productos Chrysler" incluye datos sobre los modelos Chrysler, DeSoto, Dodge, Plymouth y sus motores. El listado de los "Productos Ford" incluye datos sobre los modelos Edsel, Ford, Lincoln, Mercury, Merkur y sus motores. El listado de los "Productos General Motors" incluye datos sobre los modelos Buick, Cadillac, GMC, Oldsmobile, Pontiac y Saturn y sus motores.

Para hallar el numero de pieza Clevite® correcto:

1. Use el índice del fabricante en el frente de este catálogo para ubicar el listado del fabricante del vehículo.
2. Vuelva a la sección del fabricante indicada, y usando los datos del motor provistos, ubique el número de bloque correspondiente indicado a la derecha del motor deseado. También se incluyen datos sobre el Modelo para ayudar a identificar que motores se usaron en modelos determinados durante años de producción regular. Para los de uso pesado el número de bloque también puede estar indicado en la sección de datos del modelo para facilidad de referencia.
3. Pase al bloque indicado y ubique el cuadrante (ver abajo) con el nombre apropiado de pieza (ej. Cojinete de Biela, Conjunto del Cojinete de Leva, Conjunto de Cojinetes del Cigüeñal). Notas especiales con referencia a datos sobre el uso se encuentran en la línea directamente debajo del número de pieza (es decir años, números de serie). Preste particular atención a las notas especiales al pie de la página indicadas por símbolos, que llaman la atención sobre materiales sucedáneos disponibles y sobre la disponibilidad de items nuevos, sustitutivos, o discontinuados.

4. Pase la vista horizontalmente hasta el número de pieza requerido, asegúrese de optar por la pieza deseada cuyas dimensiones sean ligeramente inferiores de entre los tamaños corrientemente disponibles.

Cada listado de fabricante incluye **cinco** secciones distintas. La **primera** sección, que se encuentra al principio de cada listado, consiste de la información sobre el motor, la que es utilizada para asistir en la correcta identificación de los motores empleados por el fabricante. Se incluyen también códigos de motores para todos los motores Europeos y Japoneses para ayudar en su identificación. La **segunda** sección consiste de datos sobre el modelo con los motores correctos que se usaron en vehículos y años/modelos específicos. La **tercera** sección consiste de los números de forjado de las bielas del equipo original referenciados al número correcto del bloque para la aplicación en el cojinete de biela. La **cuarta** sección consiste de los números de forjado del cigüeñal del equipo original referenciados al número correcto del bloque para la aplicación en el cojinete del cigüeñal. La **quinta** sección consiste del listado en si de los conjuntos y las especificaciones pertinentes para uso de talleres. Los motores que usan las mismas piezas están agrupados para ahorrar lugar en los listados. Los motores están primeramente ordenados por el número de cilindros en forma ascendente (o sea, 4 cilindros, 6 cilindros, 8 cilindros), y luego por su desplazamiento en orden ascendente (o sea, 200-229, 231-252, 260 diesel). Algunas secciones de fabricantes de equipo pesado están ordenadas en forma alfabética (o sea, Serie B, Serie F, Serie M). Cada bloque en la quinta sección está dividido en cuatro cuadrantes distintos. Cada cuadrante contiene información pertenecientes a los motores determinados a la línea de datos sobre aplicación inmediatamente superior. El cuadro siguiente le ayudará a especificar los números correctos de cojinete y el tamaño ligeramente inferior deseado.

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3	200 CID (3.3L) Chevrolet V6 Cyl (1978-1979)			3.500in./88.9mm x 3.484in./88.5mm				
	200 CID (3.3L) Chevrolet V6 Cyl (1980-1984)			3.500in./88.9mm x 3.484in./88.5mm				
Rod Be NOTE:	Cuadrante A	CB-1227H	STD, 1	Datos de Aplicación	Cuadrante B	0.0622	2.2247/2.2257	0.7130
Rod Bearing(6)		CB-1227HX	STD			0.0617	2.2247/2.2257	0.7130
NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance								
Cam B		SH-1350S	STD, 10					
1	Cuadrante C	SH-1349				1.8682/1.8692	0.0010/0.0050	0.0744
2-4		SH-135				1.8682/1.8692	0.0010/0.0050	0.0694
3		SH-135				1.8682/1.8692	0.0010/0.0050	0.0644
C/S Forging 143, 147, 148N, 1354N.								
Connecting Rod 45 Lbs.Ft.								
Main Bearing 70 Lbs.Ft.								



El sistema del catalogo Clevite® para cojinetes de motores

El **Cuadrante A** incluye información acerca de los tipos de cojinetes y el número de pares requeridos (en caso de ser aplicable), la designación del material del cojinete (ver el cuadro en las páginas siguientes), el número de pieza Clevite®, y todas las medidas ligeramente inferiores disponibles. Los simbolos especiales que denotan notas explicativas al pie de la página están ubicados a la izquierda del número de pieza. También se indican las posiciones de los cojinetes y las contraplacas de empuje individuales dentro del conjunto para asegurar su instalación correcta en el motor. Cualquier información necesaria acerca de su aplicación o instalación aparece como un mensaje "NOTA" debajo del conjunto afectado o de un número de pieza individual. Si un conjunto de cojinetes de cigüeñal no contiene las contraplacas de empuje requeridas, el conjunto de las contraplacas de empuje para el cigüeñal, que se encuentra más arriba tendrá una "NOTA" que lee "Requerida con el conjunto MS (número de conjunto)."

El **Cuadrante B** consiste de especificaciones de datos para talleres correspondiente al cojinete individual Clevite® directamente a la izquierda en el Cuadrante A. Esta información detallada para talleres se divide en cinco columnas que se leen de izquierda a derecha:

1. Diámetro standard del eje (árbol).
2. Holgura vertical paraaceite.
3. Máximo espesor de la pared en la corona.
4. Diámetro exterior o agujero de la cubierta.

5. Largo máximo del cojinete.

Todas los datos para talleres se expresa en pulgadas, aún cuando el motor ha sido fabricado en base a especificaciones métricas (un recordatorio de esto aparece en el Cuadrante B de todos los motores métricos).

El **Cuadrante C** consiste de números de forjadura de biela y de cigüeñal que corresponden a cada motor en particular indicado en el bloque. Estos números le asistirán a identificar los cojinetes de biela o de bancada correctos para los motores listados. Los números de forjadura de los cojinetes de biela están listados como "Rod Forging" y los numeros de forjadura de ciguenal están listados como "C/S Forging."

El **Cuadrante D** consiste de las especificaciones de la torsión de los pernos y cualquier nota especial perteneciente a las mismas. Todas las especificaciones de la torsión de los pernos se expresan en pie libra, excepto cuando se indica de otra forma. Las especificaciones de la torsión de los pernos están basadas en las recomendaciones de la O.E.M. Sirvase consultar un manual de servicio para obtener el orden correcto de torsión para cada motor en particular con las especificaciones de torsión listadas.

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3	200 CID (3.3L) Chevrolet V6 Cyl (1978-1979)			3.500in./88.9mm x 3.484in./88.5mm				
	Degree Chevrolet V6 Cyl (1980-1984)			x 3.484in./88.5mm				3
Rod Be NOTE:	Cuadrante A	CB-1227H	STD, 1	Datos de Aplicación	Cuadrante B	0.0622	2.2247/2.2257	0.7130
Rod Bearing(6) NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance	TM	CB-1227HX	STD			0.0617	2.2247/2.2257	0.7130
Main Bearing Set 1-2-3 4	TM-77	MS-1454P MB-2508P MB-2509P(F)	STD, 1, 10, 20, 30, 40			0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416
NOTE: Grooved Upper Halves Plain Lower Halves								
Cam B		SH-1350S	STD, 10					
1	Cuadrante C	SH-1340				1.8682/1.8692	0.0010/0.0050	0.7500
2-4		SH-135		Cuadrante D		1.8682/1.8692	0.0010/0.0050	0.7500
3		SH-135				1.8682/1.8692	0.0010/0.0050	0.7500
C/S Forging	143, 147, 148N, 1354N, 1354N, 1354N							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							

OPTIONAL CONNECTING ROD BEARING SETS

The following is a list of Clevite® OPTIONAL connecting rod bearing sets. These sets may be purchased as a convenient alternative to pair packed connecting rod bearings. The suffix number in parenthesis indicates the number of pairs each set contains. To improve your use of time, space and packaging, consider purchasing set packs where they are available.

CB416P(6)	CB542P20(8)	CB634A10(8)	CB743P10(8)
CB416P10(6)	CB542P30(8)	CB634A20(8)	CB743P20(8)
CB416P20(6)	CB542P40(8)	CB634A30(8)	CB743P30(8)
CB416P30(6)	CB581P(8)	CB634P(8)	CB743P40(8)
CB416P40(6)	CB581P1(8)	CB634P1(8)	CB743P50(8)
CB416P50(6)	CB581P2(8)	CB634P2(8)	CB745P(4)
CB416C60(6)	CB581P10(8)	CB634P10(8)	CB745P(6)
CB461P(8)	CB581P20(8)	CB634P20(8)	CB745P(8)
CB461P1(8)	CB581P30(8)	CB634P30(8)	CB745P1(4)
CB461P10(8)	CB581P40(8)	CB634P40(8)	CB745P1(6)
CB461P20(8)	CB581C60(8)	CB663A(8)	CB745P1(8)
CB461P30(8)	CB583P(4)	CB663A10(8)	CB745P2(4)
CB461P40(8)	CB583P(6)	CB663A20(8)	CB745P2(6)
CB461P50(8)	CB583P1(4)	CB663A30(8)	CB745P2(8)
CB465P(4)	CB583P10(4)	CB663P(6)	CB745P10(4)
CB465P(6)	CB583P10(6)	CB663P(8)	CB745P10(6)
CB465P10(4)	CB583P20(4)	CB663P1(8)	CB745P10(8)
CB465P10(6)	CB583P20(6)	CB663P2(8)	CB745P20(4)
CB465P20(4)	CB583P30(4)	CB663P10(6)	CB745P20(6)
CB465P20(6)	CB583P30(6)	CB663P10(8)	CB745P20(8)
CB465P30(4)	CB583P40(4)	CB663P20(6)	CB745P30(4)
CB465P30(6)	CB583P40(6)	CB663P20(8)	CB745P30(6)
CB465C40(4)	CB583G60(6)	CB663P30(6)	CB745P30(8)
CB465C40(6)	CB606G(6)	CB663P30(8)	CB745P40(4)
CB465C60(4)	CB606G1(6)	CB663P40(6)	CB745P40(6)
CB465C60(6)	CB606G10(6)	CB663P40(8)	CB745P40(8)
CB481P(8)	CB606G20(6)	CB663C60(8)	CB745C60(4)
CB481P1(8)	CB606G30(6)	CB684P(8)	CB745C60(6)
CB481P2(8)	CB606G40(6)	CB684P10(8)	CB745C60(8)
CB481P10(8)	CB606G60(6)	CB684P20(8)	CB758P(8)
CB481P20(8)	CB610P(4)	CB684P30(8)	CB758P1(8)
CB481P30(8)	CB610P(6)	CB684P40(8)	CB758P10(8)
CB481P40(8)	CB610P(8)	CB699P(6)	CB758P20(8)
CB481G50(8)	CB610P1(8)	CB699P1(6)	CB758P30(8)
CB481G60(8)	CB610P10(4)	CB699P10(6)	CB758P40(8)
CB527P(8)	CB610P10(6)	CB699P20(6)	CB760P(8)
CB527P1(8)	CB610P10(8)	CB699P30(6)	CB760P1(8)
CB527P10(8)	CB610P20(4)	CB699P40(6)	CB760P2(8)
CB527P20(8)	CB610P20(6)	CB699C60(6)	CB760P10(8)
CB527P30(8)	CB610P20(8)	CB723P(6)	CB760P20(8)
CB527P40(8)	CB610P30(4)	CB723P10(6)	CB760P30(8)
CB527C50(8)	CB610P30(6)	CB723P20(6)	CB760P40(8)
CB527C60(8)	CB610P30(8)	CB723P30(6)	CB760C50(8)
CB535P(6)	CB610P40(4)	CB723P40(6)	CB760C60(8)
CB535P10(6)	CB610P40(6)	CB743A(8)	CB762P(8)
CB535P20(6)	CB610P40(8)	CB743A10(8)	CB762P10(8)
CB535P30(6)	CB610G60(4)	CB743A20(8)	CB762P20(8)
CB535P40(6)	CB610G60(6)	CB743A30(8)	CB762P30(8)
CB542P(8)	CB610G60(8)	CB743P(8)	CB762P40(8)
CB542P10(8)	CB634A(8)	CB743P1(8)	CB780P(4)



OPTIONAL CONNECTING ROD BEARING SETS

CB780P50MM(4)	CB966P50MM(4)	CB1223P25MM(4)	CB1286P25MM(8)
CB780P75MM(4)	CB966P50MM(6)	CB1223P50MM(4)	CB1286P50MM(8)
CB780P100MM(4)	CB966P75MM(4)	CB1223P75MM(4)	CB1286P75MM(8)
CB818P(8)	CB966P75MM(6)	CB1227P(6)	CB1327P(8)
CB818P1(8)	CB966P100MM(4)	CB1227P10(6)	CB1327P10(8)
CB818P10(8)	CB966P100MM(6)	CB1227P20(6)	CB1327P20(8)
CB818P20(8)	CB967P(4)	CB1227P30(6)	CB1327P30(8)
CB818P30(8)	CB967P25MM(4)	CB1227P40(6)	CB1327P40(8)
CB818P40(8)	CB967P50MM(4)	CB1228P(6)	CB1351P(8)
CB819P(8)	CB967P75MM(4)	CB1228P1(6)	CB1351P25MM(8)
CB819P10(8)	CB980P(4)	CB1228P10(6)	CB1351P50MM(8)
CB819P20(8)	CB980P25MM(4)	CB1228P20(6)	CB1351P75MM(8)
CB819P30(8)	CB984P(4)	CB1228P30(6)	CB1352P(4)
CB831A(8)	CB984P026MM(4)	CB1228P40(6)	CB1352P25MM(4)
CB831A10(8)	CB984P25MM(4)	CB1230P(8)	CB1352P50MM(4)
CB831A20(8)	CB984P50MM(4)	CB1230P10(8)	CB1352P75MM(4)
CB831A30(8)	CB984P75MM(4)	CB1230P20(8)	CB1353P(4)
CB831P(8)	CB984P100MM(4)	CB1230P30(8)	CB1353P25MM(4)
CB831P1(8)	CB1017P(4)	CB1230P40(8)	CB1353P50MM(4)
CB831P10(8)	CB1017P25MM(4)	CB1238A(6)	CB1358A(6)
CB831P20(8)	CB1017P50MM(4)	CB1238A25MM(6)	CB1358A10(6)
CB831P30(8)	CB1017P75MM(4)	CB1238A50MM(6)	CB1358A20(6)
CB831P40(8)	CB1110P(4)	CB1238A75MM(6)	CB1358A30(6)
CB927P(8)	CB1110P25MM(4)	CB1238P(6)	CB1358P(6)
CB927P1(8)	CB1110P50MM(4)	CB1238P026MM(6)	CB1358P1(6)
CB927P10(8)	CB1110P75MM(4)	CB1238P25MM(6)	CB1358P10(6)
CB927P20(8)	CB1120AL(4)	CB1238P50MM(6)	CB1358P20(6)
CB927P30(8)	CB1120AL25MM(4)	CB1238P75MM(6)	CB1358P30(6)
CB927P40(8)	CB1120AL50MM(4)	CB1238P100MM(6)	CB1358P40(6)
CB960P(4)	CB1120AL75MM(4)	CB1269P(4)	CB1361P(4)
CB960P(6)	CB1120AL100M(4)	CB1269P026MM(4)	CB1361P25MM(4)
CB960P(8)	CB1175AL(4)	CB1269P25MM(4)	CB1361P50MM(4)
CB960P1(4)	CB1175AL25MM(4)	CB1269P50MM(4)	CB1361P75MM(4)
CB960P1(6)	CB1175AL50MM(4)	CB1269P75MM(4)	CB1362AL(4)
CB960P1(8)	CB1175AL75MM(4)	CB1269P100MM(4)	CB1362AL25MM(4)
CB960P2(4)	CB1214AL(6)	CB1276P(4)	CB1362AL50MM(4)
CB960P2(6)	CB1214AL10(6)	CB1276P25MM(4)	CB1362AL75MM(4)
CB960P2(8)	CB1214AL20(6)	CB1276P50MM(4)	CB1380P(4)
CB960P10(4)	CB1214AL30(6)	CB1276P75MM(4)	CB1380P25MM(4)
CB960P10(6)	CB1214AL40(6)	CB1278AL(4)	CB1380P50MM(4)
CB960P10(8)	CB1216AL25MM(4)	CB1278AL25MM(4)	CB1380P75MM(4)
CB960P20(4)	CB1216AL50MM(4)	CB1278AL50MM(4)	CB1383P(4)
CB960P20(6)	CB1216AL75MM(4)	CB1278AL75MM(4)	CB1383P10(4)
CB960P20(8)	CB1218P(4)	CB1283A(6)	CB1383P20(4)
CB960P30(4)	CB1218P25MM(4)	CB1283A25MM(6)	CB1383P30(4)
CB960P30(6)	CB1218P50MM(4)	CB1283A50MM(6)	CB1385P(6)
CB960P30(8)	CB1218P75MM(4)	CB1283A75MM(6)	CB1385P25MM(8)
CB960P40(4)	CB1218P100MM(4)	CB1283P(6)	CB1385P50MM(6)
CB960P40(6)	CB1220P(4)	CB1283P026MM(6)	CB1385P75MM(6)
CB960P40(8)	CB1220P25MM(4)	CB1283P25MM(6)	CB1387P(6)
CB966P(4)	CB1220P50MM(4)	CB1283P50MM(6)	CB1387P10(6)
CB966P(6)	CB1220P75MM(4)	CB1283P75MM(6)	CB1387P20(6)
CB966P25MM(4)	CB1220P100MM(4)	CB1283P100MM(6)	CB1387P30(6)
CB966P25MM(6)	CB1223P(4)	CB1286P(8)	CB1388P(4)



OPTIONAL CONNECTING ROD BEARING SETS

CB1388P25MM(4)	CB1635P25MM(4)	CB1776P40(8)	CB1797A(6)
CB1388P50MM(4)	CB1635P50MM(4)	CB1778A(8)	CB1797A25MM(6)
CB1388P75MM(4)	CB1635A(4)	CB1778A10(8)	CB1797A50MM(6)
CB1408P(4)	CB1635A25MM(4)	CB1778A20(8)	CB1797A75MM(6)
CB1408P25MM(4)	CB1635A50MM(4)	CB1778A30(8)	CB1797P25MM(6)
CB1408P50MM(4)	CB1647P(4)	CB1778P10(8)	CB1797P50MM(6)
CB1408P75MM(4)	CB1647P25MM(4)	CB1778P20(8)	CB1797P75MM(6)
CB1410P(6)	CB1647P50MM(4)	CB1778P30(8)	CB1799P10(6)
CB1410P25MM(6)	CB1647P75MM(4)	CB1778P40(8)	CB1799P20(6)
CB1410P50MM(6)	CB1648P(8)	CB1779P10(8)	CB1799P30(6)
CB1410P75MM(6)	CB1648P25MM(8)	CB1779P20(8)	CB1799P40(6)
CB1411P(6)	CB1648P50MM(8)	CB1779P30(8)	CB1800P10(6)
CB1411P25MM(6)	CB1648P75MM(8)	CB1779P40(8)	CB1800P20(6)
CB1411P50MM(6)	CB1654P(4)	CB1784P(8)	CB1800P30(6)
CB1411P75MM(6)	CB1654P25MM(4)	CB1784P25MM(8)	CB1800P40(6)
CB1413P(4)	CB1654P50MM(4)	CB1784P50MM(8)	CB1801P10(8)
CB1413P25MM(4)	CB1654P75MM(4)	CB1787P25MM(6)	CB1801P20(8)
CB1413P50MM(4)	CB1654P100MM(4)	CB1787P50MM(6)	CB1801P30(8)
CB1413P75MM(4)	CB1667A(6)	CB1788P25MM(4)	CB1801P40(8)
CB1426P(4)	CB1667A25MM(6)	CB1788P50MM(4)	CB1802P10(8)
CB1426P25MM(4)	CB1667A50MM(6)	CB1789P25MM(4)	CB1802P20(8)
CB1426P50MM(4)	CB1667A75MM(6)	CB1789P50MM(4)	CB1802P30(8)
CB1442P(8)	CB1667P(6)	CB1790A(6)	CB1803A(8)
CB1442P25MM(8)	CB1667P026MM(6)	CB1790A25MM(6)	CB1803A10(8)
CB1442P50MM(8)	CB1667P25MM(6)	CB1790A50MM(6)	CB1803A20(8)
CB1442P75MM(8)	CB1667P50MM(6)	CB1790A75MM(6)	CB1803A30(8)
CB1443P(6)	CB1667P75MM(6)	CB1790P25MM(6)	CB1803P10(8)
CB1443P10(6)	CB1670P(6)	CB1790P50MM(6)	CB1803P20(8)
CB1443P20(6)	CB1670P25MM(6)	CB1790P75MM(6)	CB1803P30(8)
CB1443P30(6)	CB1670P50MM(6)	CB1791P25MM(4)	CB1803P40(8)
CB1455AL(4)	CB1670P75MM(6)	CB1791P50MM(4)	CB1804P25MM(8)
CB1455AL25MM(4)	CB1772P(6)	CB1791P75MM(4)	CB1804P50MM(8)
CB1455AL50MM(4)	CB1772P25MM(6)	CB1793P25MM(4)	CB1805P(8)
CB1455AL75MM(4)	CB1772P50MM(6)	CB1793P50MM(4)	CB1805P25MM(8)
CB1459P(4)	CB1772P75MM(6)	CB1793P75MM(4)	CB1805P50MM(8)
CB1459P25MM(4)	CB1774P(4)	CB1794A(6)	CB1806P10(6)
CB1459P50MM(4)	CB1774P25MM(4)	CB1794A10(6)	CB1806P20(6)
CB1589P(4)	CB1774P50MM(4)	CB1794A20(6)	CB1806P30(6)
CB1589P25MM(4)	CB1774P75MM(4)	CB1794A30(6)	CB1808P(8)
CB1589P50MM(4)	CB1776A(8)	CB1794P10(6)	CB1808P25MM(8)
CB1590P(4)	CB1776A10(8)	CB1794P20(6)	CB1808P50MM(8)
CB1590P25MM(4)	CB1776A20(8)	CB1794P30(6)	CB1809P25MM(8)
CB1590P50MM(4)	CB1776A30(8)	CB1794P40(6)	CB1809P50MM(8)
CB1591P(6)	CB1776P10(4)	CB1795P10(6)	CB1810P25MM(8)
CB1591P25MM(6)	CB1776P10(6)	CB1795P20(6)	CB1810P50MM(8)
CB1591P50MM(6)	CB1776P10(8)	CB1795P30(6)	CB1811P(6)
CB1593AL(4)	CB1776P20(4)	CB1795P40(6)	CB1811P10(6)
CB1593AL25MM(4)	CB1776P20(6)	CB1796A(6)	CB1811P20(6)
CB1593AL50MM(4)	CB1776P20(8)	CB1796A25MM(6)	CB1812P(6)
CB1634P25MM(10)	CB1776P30(4)	CB1796A50MM(6)	CB1812P10(6)
CB1634P25MM(8)	CB1776P30(6)	CB1796A75MM(6)	CB1812P20(6)
CB1634P50MM(10)	CB1776P30(8)	CB1796P25MM(6)	CB1813P(4)
CB1634P50MM(8)	CB1776P40(4)	CB1796P50MM(6)	CB1813P25MM(4)
CB1635P(4)	CB1776P40(6)	CB1796P75MM(6)	CB1813P50MM(4)



OPTIONAL CONNECTING ROD BEARING SETS

CB1814P(8)	CB1818P25MM(6)	CB1828AL30(4)	CB1842P25MM(5)
CB1814P25MM(8)	CB1818P50MM(6)	CB1838AL(4)	CB1842P50MM(5)
CB1814P50MM(8)	CB1819P25MM(6)	CB1838AL25MM(4)	CB1843P25MM(5)
CB1814P75MM(8)	CB1819P50MM(6)	CB1838AL50MM(4)	CB1843P50MM(5)
CB1815P25MM(8)	CB1820P10(6)	CB1839AL25MM	CB1845P25MM(6)
CB1815P50MM(8)	CB1820P20(6)	CB1839AL50MM	CB1845P50MM(6)
CB1815P75MM(8)	CB1827AL(4)	CB1840AL(4)	CB1845P75MM(6)
CB1816P10(6)	CB1827AL10(4)	CB1840AL25MM(4)	CB1854P(8)
CB1816P20(6)	CB1827AL20(4)	CB1840AL50MM(4)	CB1854P25MM(8)
CB1817P25MM(4)	CB1827AL30(4)	CB1841AL25MM(4)	CB1854P50MM(8)
CB1817P50MM(4)	CB1828AL10(4)	CB1841AL50MM(4)	CB1855P25MM(8)
CB1818P(6)	CB1828AL20(4)	CB1842P(5)	CB1855P50MM(8)

OPTIONAL .002" OVERSIZE CONNECTING ROD BEARING SETS

The following interchange is a list of our standard rod bearings sets and our optional .002" oversize outside diameter rod bearings. These new .002" O/S rod bearing are intended to be used for connecting rods that have had the housing bores resized .002" larger than stock.

Std. Bearing Set / Std. Rod Bore	.002" OD Bearing Set / .002" O/S Rod Bore	Std. Bearing Set / Std. Rod Bore	.002" OD Bearing Set / .002" O/S Rod Bore
CB-481P-10	CB-1779P-10	CB-663P-20(4)	CB-1776P-20(4)
CB-481P-10(8)	CB-1779P-10(8)	CB-663P-20(6)	CB-1776P-20(6)
CB-481P-20	CB-1779P-20	CB-663P-20(8)	CB-1776P-20(8)
CB-481P-20(8)	CB-1779P-20(8)	CB-663P-30	CB-1776P-30
CB-481P-30	CB-1779P-30	CB-663P-30(4)	CB-1776P-30(4)
CB-481P-30(8)	CB-1779P-30(8)	CB-663P-30(6)	CB-1776P-30(6)
CB-481P-40	CB-1779P-40	CB-663P-30(8)	CB-1776P-30(8)
CB-481P-40(8)	CB-1779P-40(8)	CB-663P-40	CB-1776P-40
CB-634A-10	CB-1778A-10	CB-663P-40(4)	CB-1776P-40(4)
CB-634A-10(8)	CB-1778A-10(8)	CB-663P-40(6)	CB-1776P-40(6)
CB-634A-20	CB-1778A-20	CB-663P-40(8)	CB-1776P-40(8)
CB-634A-20(8)	CB-1778A-20(8)	CB-699P-10	CB-1799P-10
CB-634A-30	CB-1778A-30	CB-699P-10(6)	CB-1799P-10(6)
CB-634A-30(8)	CB-1778A-30(8)	CB-699P-20	CB-1799P-20
CB-634P-10	CB-1778P-10	CB-699P-20(6)	CB-1799P-20(6)
CB-634P-10(8)	CB-1778P-10(8)	CB-699P-30	CB-1799P-30
CB-634P-20	CB-1778P-20	CB-699P-30(6)	CB-1799P-30(6)
CB-634P-20(8)	CB-1778P-20(8)	CB-699P-40	CB-1799P-40
CB-634P-30	CB-1778P-30	CB-699P-40(6)	CB-1799P-40(6)
CB-634P-30(8)	CB-1778P-30(8)	CB-723P-10	CB-1795P-10
CB-663A-10	CB-1776A-10	CB-723P-10(6)	CB-1795P-10(6)
CB-663A-10(8)	CB-1776A-10(8)	CB-723P-20	CB-1795P-20
CB-663A-20	CB-1776A-20	CB-723P-20(6)	CB-1795P-20(6)
CB-663A-20(8)	CB-1776A-20(8)	CB-723P-30	CB-1795P-30
CB-663A-30	CB-1776A-30	CB-723P-30(6)	CB-1795P-30(6)
CB-663A-30(8)	CB-1776A-30(8)	CB-723P-40	CB-1795P-40
CB-663P-10	CB-1776P-10	CB-723P-40(6)	CB-1795P-40(6)
CB-663P-10(4)	CB-1776P-10(4)	CB-760P-10	CB-1801P-10
CB-663P-10(6)	CB-1776P-10(6)	CB-760P-10(8)	CB-1801P-10(8)
CB-663P-10(8)	CB-1776P-10(8)	CB-760P-20	CB-1801P-20
CB-663P-20	CB-1776P-20	CB-760P-20(8)	CB-1801P-20(8)



OPTIONAL .002" OVERSIZE CONNECTING ROD BEARING SETS

Std. Bearing Set / Std. Rod Bore	.002" OD Bearing Set / .002" O/S Rod Bore	Std. Bearing Set / Std. Rod Bore	.002" OD Bearing Set / .002" O/S Rod Bore
CB-760P-30	CB-1801P-30	CB-1283P-.25mm	CB-1796P-.25mm
CB-760P-30(8)	CB-1801P-30(8)	CB-1283P-.25mm(6)	CB-1796P-.25mm(6)
CB-760P-40	CB-1801P-40	CB-1283P-.50mm	CB-1796P-.50mm
CB-760P-40(8)	CB-1801P-40(8)	CB-1283P-.50mm(6)	CB-1796P-.50mm(6)
CB-818P-10	CB-1802P-10	CB-1283P-.75mm	CB-1796P-.75mm
CB-818P-10(8)	CB-1802P-10(8)	CB-1283P-.75mm(6)	CB-1796P-.75mm(6)
CB-818P-20	CB-1802P-20	CB-1358A-10	CB-1794A-10
CB-818P-20(8)	CB-1802P-20(8)	CB-1358A-10(6)	CB-1794A-10(6)
CB-818P-30	CB-1802P-30	CB-1358A-20	CB-1794A-20
CB-818P-30(8)	CB-1802P-30(8)	CB-1358A-20(6)	CB-1794A-20(6)
CB-831A-10	CB-1803A-10	CB-1358A-30	CB-1794A-30
CB-831A-10(8)	CB-1803A-10(8)	CB-1358A-30(6)	CB-1794A-30(6)
CB-831A-20	CB-1803A-20	CB-1358P-10	CB-1794P-10
CB-831A-20(8)	CB-1803A-20(8)	CB-1358P-10(6)	CB-1794P-10(6)
CB-831A-30	CB-1803A-30	CB-1358P-20	CB-1794P-20
CB-831A-30(8)	CB-1803A-30(8)	CB-1358P-20(6)	CB-1794P-20(6)
CB-831P-10	CB-1803P-10	CB-1358P-30	CB-1794P-30
CB-831P-10(8)	CB-1803P-10(8)	CB-1358P-30(6)	CB-1794P-30(6)
CB-831P-20	CB-1803P-20	CB-1358P-40	CB-1794P-40
CB-831P-20(8)	CB-1803P-20(8)	CB-1358P-40(6)	CB-1794P-40(6)
CB-831P-30	CB-1803P-30	CB-1442P-.25mm	CB-1634P-.25mm
CB-831P-30(8)	CB-1803P-30(8)	CB-1442P-.25mm(8)	CB-1634P-.25mm(8)
CB-831P-40	CB-1803P-40	CB-1442P-.50mm	CB-1634P-.50mm
CB-831P-40(8)	CB-1803P-40(8)	CB-1442P-.50mm(8)	CB-1634P-.50mm(8)
CB-1228P-10	CB-1800P-10	CB-1442P-.75mm	CB-1634P-.75mm
CB-1228P-10(6)	CB-1800P-10(6)	CB-1442P-.75mm(8)	CB-1634P-.75mm(8)
CB-1228P-20	CB-1800P-20	CB-1443P-10	CB-1806P-10
CB-1228P-20(6)	CB-1800P-20(6)	CB-1443P-10(6)	CB-1806P-10(6)
CB-1228P-30	CB-1800P-30	CB-1443P-20	CB-1806P-20
CB-1228P-30(6)	CB-1800P-30(6)	CB-1443P-20(6)	CB-1806P-20(6)
CB-1228P-40	CB-1800P-40	CB-1443P-30	CB-1806P-30
CB-1228P-40(6)	CB-1800P-40(6)	CB-1443P-30(6)	CB-1806P-30(6)
CB-1238A-.25mm	CB-1797A-.25mm	CB-1635P-.25mm	CB-1788P-.25mm
CB-1238A-.25mm(6)	CB-1797A-.25mm(6)	CB-1635P-.25mm(4)	CB-1788P-.25mm(4)
CB-1238A-.50mm	CB-1797A-.50mm	CB-1635P-.50mm	CB-1788P-.50mm
CB-1238A-.50mm(6)	CB-1797A-.50mm(6)	CB-1635P-.50mm(4)	CB-1788P-.50mm(4)
CB-1238A-.75mm	CB-1797A-.75mm	CB-1647P-.25mm	CB-1791P-.25mm
CB-1238A-.75mm(6)	CB-1797A-.75mm(6)	CB-1647P-.25mm(4)	CB-1791P-.25mm(4)
CB-1238P-.25mm	CB-1797P-.25mm	CB-1647P-.50mm	CB-1791P-.50mm
CB-1238P-.25mm(6)	CB-1797P-.25mm(6)	CB-1647P-.50mm(4)	CB-1791P-.50mm(4)
CB-1238P-.50mm	CB-1797P-.50mm	CB-1647P-.75mm	CB-1791P-.75mm
CB-1238P-.50mm(6)	CB-1797P-.50mm(6)	CB-1647P-.75mm(4)	CB-1791P-.75mm(4)
CB-1238P-.75mm	CB-1797P-.75mm	CB-1667A-.25mm	CB-1790A-.25mm
CB-1238P-.75mm(6)	CB-1797P-.75mm(6)	CB-1667A-.25mm(6)	CB-1790A-.25mm(6)
CB-1283A-.25mm	CB-1796A-.25mm	CB-1667A-.50mm	CB-1790A-.50mm
CB-1283A-.25mm(6)	CB-1796A-.25mm(6)	CB-1667A-.50mm(6)	CB-1790A-.50mm(6)
CB-1283A-.50mm	CB-1796A-.50mm	CB-1667A-.75mm	CB-1790A-.75mm
CB-1283A-.50mm(6)	CB-1796A-.50mm(6)	CB-1667A-.75mm(6)	CB-1790A-.75mm(6)
CB-1283A-.75mm	CB-1796A-.75mm	CB-1667P-.25mm	CB-1790P-.25mm
CB-1283A-.75mm(6)	CB-1796A-.75mm(6)	CB-1667P-.25mm(6)	CB-1790P-.25mm(6)



OPTIONAL .002" OVERSIZE CONNECTING ROD BEARING SETS

Std. Bearing Set / Std. Rod Bore	.002" OD Bearing Set / .002" O/S Rod Bore	Std. Bearing Set / Std. Rod Bore	.002" OD Bearing Set / .002" O/S Rod Bore
CB-1667P-.50mm	CB-1790P-.50mm	CB-1814P-.50mm	CB-1815P-.50mm
CB-1667P-.50mm(6)	CB-1790P-.50mm(6)	CB-1814P-.50mm(8)	CB-1815P-.50mm(8)
CB-1667P-.75mm	CB-1790P-.75mm	CB-1814P-.75mm	CB-1815P-.75mm
CB-1667P-.75mm(6)	CB-1790P-.75mm(6)	CB-1814P-.75mm(8)	CB-1815P-.75mm(8)
CB-1668P-.25mm	CB-1789P-.25mm	CB-1818P-.25mm	CB-1819P-.25mm
CB-1668P-.25mm(4)	CB-1789P-.25mm(4)	CB-1818P-.25mm(6)	CB-1819P-.25mm(6)
CB-1668P-.50mm	CB-1789P-.50mm	CB-1818P-.50mm	CB-1819P-.50mm
CB-1668P-.50mm(4)	CB-1789P-.50mm(4)	CB-1818P-.50mm(6)	CB-1819P-.50mm(6)
CB-1670P-.25mm	CB-1787P-.25mm	CB-1827AL-10	CB-1828AL-10
CB-1670P-.25mm(6)	CB-1787P-.25mm(6)	CB-1827AL-10(4)	CB-1828AL-10(4)
CB-1670P-.50mm	CB-1787P-.50mm	CB-1827AL-20	CB-1828AL-20
CB-1670P-.50mm(6)	CB-1787P-.50mm(6)	CB-1827AL-20(4)	CB-1828AL-20(4)
CB-1772P-.25mm	CB-1845P-.25mm	CB-1827AL-30	CB-1828AL-30
CB-1772P-.25mm(6)	CB-1845P-.25mm(6)	CB-1827AL-30(4)	CB-1828AL-30(4)
CB-1772P-.50mm	CB-1845P-.50mm	CB-1838AL-.25mm	CB-1839AL-.25mm
CB-1772P-.50mm(6)	CB-1845P-.50mm(6)	CB-1838AL-.25mm(4)	CB-1839AL-.25mm(4)
CB-1772P-.75mm	CB-1845P-.75mm	CB-1838AL-.50mm	CB-1839AL-.50mm
CB-1772P-.75mm(6)	CB-1845P-.75mm(6)	CB-1838AL-.50mm(4)	CB-1839AL-.50mm(4)
CB-1774P-.25mm	CB-1793P-.25mm	CB-1840AL-.25mm	CB-1841AL-.25mm
CB-1774P-.25mm(4)	CB-1793P-.25mm(4)	CB-1840AL-.25mm(4)	CB-1841AL-.25mm(4)
CB-1774P-.50mm	CB-1793P-.50mm	CB-1840AL-.50mm	CB-1841AL-.50mm
CB-1774P-.50mm(4)	CB-1793P-.50mm(4)	CB-1840AL-.50mm(4)	CB-1841AL-.50mm(4)
CB-1774P-.75mm	CB-1793P-.75mm	CB-1842P-.25mm	CB-1843P-.25mm
CB-1774P-.75mm(4)	CB-1793P-.75mm(4)	CB-1842P-.25mm(5)	CB-1843P-.25mm(5)
CB-1784P-.25mm	CB-1804P-.25mm	CB-1842P-.50mm	CB-1843P-.50mm
CB-1784P-.25mm(8)	CB-1804P-.25mm(8)	CB-1842P-.50mm(5)	CB-1843P-.50mm(5)
CB-1784P-.50mm	CB-1804P-.50mm	CB-1854P-.25mm	CB-1855P-.25mm
CB-1784P-.50mm(8)	CB-1804P-.50mm(8)	CB-1854P-.25mm(8)	CB-1855P-.25mm(8)
CB-1805P-.25mm	CB-1810P-.25mm	CB-1854P-.50mm	CB-1855P-.50mm
CB-1805P-.25mm(8)	CB-1810P-.25mm(8)	CB-1854P-.50mm(8)	CB-1855P-.50mm(8)
CB-1805P-.50mm	CB-1810P-.50mm		
CB-1805P-.50mm(8)	CB-1810P-.50mm(8)		
CB-1808P-.25mm	CB-1809P-.25mm		
CB-1808P-.25mm(4)	CB-1809P-.25mm(4)		
CB-1808P-.50mm	CB-1809P-.50mm		
CB-1808P-.50mm(4)	CB-1809P-.50mm(4)		
CB-1811P-10	CB-1816P-10		
CB-1811P-10(6)	CB-1816P-10(6)		
CB-1811P-20	CB-1816P-20		
CB-1811P-20(6)	CB-1816P-20(6)		
CB-1812P-10	CB-1820P-10		
CB-1812P-10(6)	CB-1820P-10(6)		
CB-1812P-20	CB-1820P-20		
CB-1812P-20(6)	CB-1820P-20(6)		
CB-1813P-.25mm	CB-1817P-.25mm		
CB-1813P-.25mm(4)	CB-1817P-.25mm(4)		
CB-1813P-.50mm	CB-1817P-.50mm		
CB-1813P-.50mm(4)	CB-1817P-.50mm(4)		
CB-1814P-.25mm	CB-1815P-.25mm		
CB-1814P-.25mm(8)	CB-1815P-.25mm(8)		



PERFORMANCE BEARINGS SOLD IN TRAYS

Part Number	Tray Quantity	Description
CB-829ML(30)	30 Lower Shells	Rod Bearing
CB-829MU(30)	30 Upper Shells	Rod Bearing
CB-1512ML(30)	30 Lower Shells	Rod Bearing
CB-1512MU(30)	30 Upper Shells	Rod Bearing
CB-1512VL(30)	30 Lower Shells	Rod Bearing
CB-1512VU(30)	30 Upper Shells	Rod Bearing
CB-1512CVU(30)	30 Upper Shells	Rod Bearing - Cryogenically Treated
CB-1512VKL(30)	30 Lower Shells	Rod Bearing with TriArmor
CB-1512VKU(30)	30 Upper Shells	Rod Bearing with TriArmor
CB-1798H(32)	16 Pair	Rod Bearing
CB-1798H-1(32)	16 Pair	Rod Bearing
CB-1798HX(32)	16 Pair	Rod Bearing
CB-1798V(32)	16 Pair	Rod Bearing
CB-1798V-1(32)	16 Pair	Rod Bearing
CB-1798VX(32)	16 Pair	Rod Bearing
MB-3248ML(24)	24 Lower Shells	Main Bearing
MB-3248MU(24)	24 Upper Shells	Main Bearing
MB-3248VL(24)	24 Lower Shells	Main Bearing
MB-3248VU(24)	24 Upper Shells	Main Bearing
MB-3249ML(9)	9 Lower Shells	Main Bearing - Thrust
MB-3249MU(9)	9 Upper Shells	Main Bearing - Thrust
MB-3249VL(9)	9 Lower Shells	Main Bearing - Thrust
MB-3249VU(9)	9 Upper Shells	Main Bearing - Thrust
MB-3564VL(20)	20 Lower Shells	Main Bearing
MB-3564VU(20)	20 Upper Shells	Main Bearing
MB-3829VL(25)	25 Lower Shells	Main Bearing
MB-3829VU(25)	25 Upper Shells	Main Bearing
MB-3829VXL(25)	25 Lower Shells	Main Bearing
MB-3829VXU(25)	25 Upper Shells	Main Bearing
MB-3829V-1L(25)	25 Lower Shells	Main Bearing
MB-3829V-1U(25)	25 Upper Shells	Main Bearing
MB-3829V-17L(25)	25 Lower Shells	Main Bearing
MB-3829V-17U(25)	25 Upper Shells	Main Bearing
MB-3829V-18L(25)	25 Lower Shells	Main Bearing
MB-3829V-18U(25)	25 Upper Shells	Main Bearing
MB-3829V-19L(25)	25 Lower Shells	Main Bearing
MB-3829V-19U(25)	25 Upper Shells	Main Bearing
MB-3829V-20L(25)	25 Lower Shells	Main Bearing
MB-3829V-20U(25)	25 Upper Shells	Main Bearing
MB-3850WU(20)	20 Thrust Washers	Thrust Washer
MB-3852HL(25)	25 Lower Shells	Main Bearing
MB-3852HU(25)	25 Upper Shells	Main Bearing
MB-3852HXL(25)	25 Lower Shells	Main Bearing
MB-3852HXU(25)	25 Upper Shells	Main Bearing
MB-3852H-1L(25)	25 Lower Shells	Main Bearing



PERFORMANCE BEARINGS SOLD IN TRAYS

<u>Part Number</u>	<u>Tray Quantity</u>	<u>Description</u>
MB-3852H-1U(25)	25 Upper Shells	Main Bearing
MB-3852VL(25)	25 Lower Shells	Main Bearing
MB-3852VU(25)	25 Upper Shells	Main Bearing
MB-3852VXL(25)	25 Lower Shells	Main Bearing
MB-3852VXU(25)	25 Upper Shells	Main Bearing
MB-3852V-1L(25)	25 Lower Shells	Main Bearing
MB-3852V-1U(25)	25 Upper Shells	Main Bearing

PERFORMANCE BEARINGS SOLD IN CARTONS

<u>Part Number</u>	<u>Tray Quantity</u>	<u>Description</u>
CB-663HNL(700)	700 Lower Shells	Rod Bearing
CB-663HNU(700)	700 Upper Shells	Rod Bearing
CB-743HNL(700)	700 Lower Shells	Rod Bearing
CB-743HNU(700)	700 Upper Shells	Rod Bearing
CB-745HNL(720)	720 Lower Shells	Rod Bearing
CB-745HNU(720)	720 Upper Shells	Rod Bearing
CB-1663H(740)	740 Shells / 370 Pairs	Rod Bearing
CB-1798H(740)	740 Shells / 370 Pairs	Rod Bearing
CB-1798H-1(740)	740 Shells / 370 Pairs	Rod Bearing

CUSTOM PERFORMANCE									
ENGINE DATA									
Engine	Years	Bore & Stroke	Block						
			1						
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
1									1
Rod Bearing(8)	TM-77	CB-1663H	STD,1,10	1.8885/1.8890	0.0010/0.0026	0.0625	2.0150/2.0155	0.7920	
NOTE: Quad 4 Bearing Specifications, H-Series Performance, No Dowel Hole In Cap Half									
Rod Bearing(8)	TM-77	CB-1663HK	STD,1	1.8885/1.8890	0.0010/0.0026	0.0625	2.0150/2.0155	0.7920	
NOTE: Quad 4 Bearing Specifications, H-Series Performance With TriArmor™, Maximum Wall Does Not Include Coating Thickness, No Dowel Hole In Cap Half									
Rod Bearing(8)	TM-77	CB-1663HX	STD	1.8885/1.8890	0.0020/0.0036	0.0620	2.0150/2.0155	0.7920	
NOTE: Quad 4 Bearing Specifications, H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, No Dowel Hole In Cap Half									
Rod Bearing(8)	TM-77	CB-1663HXX	STD	1.8885/1.8890	0.0020/0.0036	0.0620	2.0150/2.0155	0.7920	
NOTE: Quad 4 Bearing Specifications, H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Maximum Wall Does Not Include Coating Thickness, No Dowel Hole In Cap Half									
Rod Bearing(8)	VP-2	CB-1663V	STD,1	1.8885/1.8890	0.0010/0.0026	0.0625	2.0150/2.0155	0.7920	
NOTE: Quad 4 Bearing Specifications, V-Series Performance, No Dowel Hole In Cap Half									
Rod Bearing(8)	VP-2	CB-1663VX	STD	1.8885/1.8890	0.0020/0.0036	0.0620	2.0150/2.0155	0.7920	
NOTE: Quad 4 Bearing Specifications, V-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, No Dowel Hole In Cap Half									
Rod Bearing(8)	TM-77	CB-1664H	STD,1	1.8495/1.8500	0.0008/0.0021	0.0786	2.0080/2.0082	0.6550	
NOTE: IRL, H-Series Performance, No Dowel Hole In Cap Half									
Rod Bearing(8)	TM-77	CB-1664HK	STD,1	1.8495/1.8500	0.0008/0.0021	0.0786	2.0080/2.0082	0.6550	
NOTE: IRL, H-Series Performance With TriArmor™, Maximum Wall Does Not Include Coating Thickness, No Dowel Hole In Cap Half									
Rod Bearing(8)	TM-77	CB-1664HX	STD	1.8495/1.8500	0.0018/0.0031	0.0781	2.0080/2.0082	0.6550	
NOTE: IRL, H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, No Dowel Hole In Cap Half									
Rod Bearing(8)	TM-77	CB-1664HXX	STD	1.8495/1.8500	0.0018/0.0031	0.0781	2.0080/2.0082	0.6550	
NOTE: IRL, H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Maximum Wall Does Not Include Coating Thickness, No Dowel Hole In Cap Half									
Rod Bearing(8)	TM-77	CB-1665HD	STD,1	1.8885/1.8890	0.0010/0.0026	0.0625	2.0150/2.0155	0.8960	
NOTE: H-Series Performance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod									
To Be Replaced By CB-1665HND									
Rod Bearing(8)	TM-77	CB-1665HDK	STD,1	1.8885/1.8890	0.0010/0.0026	0.0625	2.0150/2.0155	0.8960	
NOTE: H-Series Performance With TriArmor™, Dowel Hole In Cap Half, Maximum Wall Does Not Include Coating Thickness, May Also Be Used In Engines Without Doweled Connecting Rod									
To Be Replaced By CB-1665HNDK									
Rod Bearing(8)	TM-77	CB-1665HND	STD,1,10	1.8885/1.8890	0.0010/0.0026	0.0625	2.0150/2.0155	0.8510	
NOTE: H-Series Performance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod, Narrowed On One Side For Increased Crank Fillet Clearance									
Rod Bearing(8)	TM-77	CB-1665HNDK	STD,1	1.8885/1.8890	0.0010/0.0026	0.0625	2.0150/2.0155	0.8510	
NOTE: H-Series Performance With TriArmor™, Dowel Hole In Cap Half, Maximum Wall Does Not Include Coating Thickness, May Also Be Used In Engines Without Doweled Connecting Rod, Narrowed On One Side For Increased Crank Fillet Clearance									
Rod Bearing(8)	TM-77	CB-1665HXD	STD	1.8885/1.8890	0.0020/0.0036	0.0620	2.0150/2.0155	0.8960	
NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod									
To Be Replaced By CB-1665HXND									
Rod Bearing(8)	TM-77	CB-1665HXDK	STD	1.8885/1.8890	0.0020/0.0036	0.0620	2.0150/2.0155	0.8960	
NOTE: H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Dowel Hole In Cap Half, Maximum Wall Does Not Include Coating Thickness, May Also Be Used In Engines Without Doweled Connecting Rod									
To Be Replaced By CB-1665HXNDK									



CUSTOM PERFORMANCE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
1 (Cont.)								1 (Cont.)
Rod Bearing(8)	TM-77	CB-1665HXND	STD	1.8885/1.8890	0.0020/0.0036	0.0620	2.0150/2.0155	0.8510
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-1665HXNDK	STD	1.8885/1.8890	0.0020/0.0036	0.0620	2.0150/2.0155	0.8510
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-1775H	STD,1	1.7715/1.7720	0.0006/0.0030	0.0586	1.8900/1.8905	0.7090
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1775HK	STD,1	1.7715/1.7720	0.0006/0.0030	0.0586	1.8900/1.8905	0.7090
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1775HX	STD	1.7715/1.7720	0.0016/0.0040	0.0581	1.8900/1.8905	0.7090
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1775HXX	STD	1.7715/1.7720	0.0016/0.0040	0.0581	1.8900/1.8905	0.7090
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1798H	STD,1	1.8495/1.8500	0.0010/0.0023	0.0625	1.9760/1.9762	0.7550
NOTE: NASCAR, H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1798HK	STD,1	1.8495/1.8500	0.0010/0.0023	0.0625	1.9760/1.9762	0.7550
NOTE: NASCAR, H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1798HX	STD	1.8495/1.8500	0.0020/0.0033	0.0620	1.9760/1.9762	0.7550
NOTE: NASCAR, H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1798HXX	STD	1.8495/1.8500	0.0020/0.0033	0.0620	1.9760/1.9762	0.7550
NOTE: NASCAR, H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-1798V	STD,1	1.8495/1.8500	0.0010/0.0023	0.0625	1.9760/1.9762	0.7550
NOTE: NASCAR, V-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-1798VX	STD	1.8495/1.8500	0.0020/0.0033	0.0620	1.9760/1.9762	0.7550
NOTE: NASCAR, V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Main Bearing Set 1-2-4-5 3	VP-2	MS-2221V MB-3785V MB-2620V(F)	STD,1	2.4995/2.5005 2.4995/2.5005	0.0002/0.0022 0.0006/0.0031	0.0959 0.0958	2.6925/2.6930 2.6925/2.6930	0.9750 1.1520
NOTE: Pro-Stock Chrysler, V-Series Performance,Bearing Is Tri-bore Design								
Main Bearing Set 1-2-3-4-5	TM-77	MS-2260H MB-3135H	STD,1	2.2983/2.2993	0.0004/0.0030	0.0954	2.4906/2.4916	0.8070
NOTE: NASCAR R07 Block, H-Series Performance,Grooved Upper Halves Plain Lower Halves,Requires Thrust Washer Set, Not Included, Use With Part Number MB-3850WU(20)								
Main Bearing Set 1-2-3-4-5	TM-77	MS-2260HX MB-3135HX	STD	2.2983/2.2993	0.0014/0.0040	0.0949	2.4906/2.4916	0.8070
NOTE: NASCAR R07 Block, H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves,Requires Thrust Washer Set, Not Included, Use With Part Number MB-3850WU(20)								
Main Bearing Set 1-2-3-4-5	VP-2	MS-2260V MB-1808V	STD,1	2.2983/2.2993	0.0003/0.0031	0.0954	2.4906/2.4916	0.8070
NOTE: NASCAR R07 Block, V-Series Performance,Grooved Upper Halves Plain Lower Halves,Requires Thrust Washer Set, Not Included, Use With Part Number MB-3850WU(20)								
Main Bearing Set 1-2-3-4-5	VP-2	MS-2260VG MB-1808VG	STD,1	2.2983/2.2993	0.0003/0.0031	0.0954	2.4906/2.4916	0.8070
NOTE: NASCAR R07 Block, V-Series Performance,Contains Full Grooved Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number MB-3850WU(20)								



CUSTOM PERFORMANCE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
1 (Cont.)								1 (Cont.)
Main Bearing Set 1-2-3-4-5	VP-2	MS-2260VGX MB-1808VGX	STD	2.2983/2.2993	0.0013/0.0041	0.0949	2.4906/2.4916	0.8070
NOTE: NASCAR R07 Block, V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Contains Full Grooved Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number MB-3850WU(20)								
Main Bearing Set 1-2-3-4-5	VP-2	MS-2260VX MB1808VX	STD	2.2983/2.2993	0.0013/0.0041	0.0949	2.4906/2.4916	0.8070
NOTE: NASCAR R07 Block, V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves,Requires Thrust Washer Set, Not Included, Use With Part Number MB-3850WU(20)								
Main Bearing(5)	VP-3	MB-3829V	STD,1,17,18,19,20	2.0174/2.0176	0.0010/0.0026	0.1088	2.2362/2.2370	0.7500
NOTE: NASCAR Crankshaft With 2.017" Main Bearing Journal Diameter, V-Series Performance,Bearing Is Tri-bore Design,Grooved Upper Halves Plain Lower Halves								
Main Bearing(5)	VP-3	MB-3829VX	STD	2.0174/2.0176	0.0020/0.0036	0.1083	2.2362/2.2370	0.7500
NOTE: NASCAR Crankshaft With 2.017" Main Bearing Journal Diameter, V-Series Performance,Bearing Is Tri-bore Design,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing(5)	TM-77	MB-3852H	STD,1	1.9981/1.9985	0.0017/0.0032	0.0801	2.1605/2.1610	0.7400
NOTE: NASCAR Crankshaft With 2.000" Main Bearing Journal Diameter, H-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing(5)	TM-77	MB-3852HX	STD	1.9981/1.9985	0.0027/0.0042	0.0796	2.1605/2.1610	0.7400
NOTE: NASCAR Crankshaft With 2.000" Main Bearing Journal Diameter, H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing(5)	TM-77	MB-3852HXX	STD	1.9981/1.9985	0.0037/0.0052	0.0791	2.1605/2.1610	0.7400
NOTE: NASCAR Crankshaft With 2.000" Main Bearing Journal Diameter, H-Series Performance,Bearing Walls .0010" Thinner For .0020" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing(5)	VP-2	MB-3852V	STD,1	1.9981/1.9985	0.0017/0.0032	0.0801	2.1605/2.1610	0.7400
NOTE: NASCAR Crankshaft With 2.000" Main Bearing Journal Diameter, V-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing(5)	VP-2	MB-3852VX	STD	1.9981/1.9985	0.0027/0.0042	0.0796	2.1605/2.1610	0.7400
NOTE: NASCAR Crankshaft With 2.000" Main Bearing Journal Diameter, V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing(5)	VP-2	MB-3852VXX	STD	1.9981/1.9985	0.0037/0.0052	0.0791	2.1605/2.1610	0.7400
NOTE: NASCAR Crankshaft With 2.000" Main Bearing Journal Diameter, V-Series Performance,Bearing Walls .0010" Thinner For .0020" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Thrust Washer		MB-3850WU(20) MB-3850WU	STD	2.5980/2.6180			3.1260/3.1460	0.0820
NOTE: Contains 20 Pieces, Use With Part Number MS-2260H,MS-2260V,MS-2260VG								
Cam Bearing Set 1-2-3-4-5	B-1	SH-2012ST SH-2012	STD	1.8682/1.8692	0.0010/0.0048	0.0644	1.9990/2.0010	0.7450
NOTE: Dart Little M Block With 2.0000" Housing Bore, Outside Diameter Groove, 3 Holes With 120 Degree Spacing								
Cam Bearing Set 1-2-3-4-5	B-1	SH-2013ST SH-2013	STD			0.0841	2.1200	0.9850
NOTE: Dart Big M Block With 2.1200" Housing Bore, Outside Diameter Groove, 3 Holes With 120 Degree Spacing								
Cam Bearing Set 1-2-3-4-5	B-1	SH-2014ST SH-2014	STD	1.9487/1.9497	0.0011/0.0049	0.0841	2.1190/2.1210	0.7600
NOTE: Dart Iron Eagle Block With 2.1200" Housing Bore, Outside Diameter Groove, 3 Holes With 120 Degree Spacing								
Cam Bearing Set 1 2 3 4 5	B-1	SH-2015ST SH-2015 SH-2016 SH-2017 SH-2018 SH-2019	STD	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0011/0.0053 0.0011/0.0049 0.0011/0.0049 0.0011/0.0049 0.0011/0.0049	0.0602 0.0677 0.0752 0.0827 0.0902	2.2030/2.2050 2.2030/2.2050 2.2030/2.2050 2.2130/2.2150 2.2030/2.2050	0.6650 0.6650 0.6650 0.6650 0.6650
NOTE: Dart Ford SVO Block With 2.2040" Housing Bore, Outside Diameter Groove, 3 Holes With 120 Degree Spacing								



CHRYSLER											
ENGINE DATA											
Engine	Years	Bore & Stroke		Block	Engine	Years	Bore & Stroke		Block		
4 CYL					8 CYL (Cont.)						
2.0 DOHC Neon	1995-1999	3.445in./87.5mmX3.268in./83mm		1	370 CID (6.1L) Hemi	2006-2007	4.055in./103mmX3.580in./90.9mm		6		
2.0 SOHC Neon	1995-2004	3.445in./87.5mmX3.268in./83mm		1	383 CID (6.3L)	1959-1971	4.250in./108mmX3.375in./85.7mm		9		
148 CID (2.4L) DOHC	1995-2004	3.445in./87.5mmX3.976in./101mm		2	392 CID (6.4L)	1957-1958	4.000in./101.6mmX3.906in./99.2mm		10		
148 CID (2.4L) DOHC	2003-2004	3.445in./87.5mmX3.976in./101mm		3	Hemispherical						
Turbocharged/Intercooled					400 CID (6.6L)	1972-1980	4.342in./110.3mmX3.375in./85.7mm		7		
					413 CID (6.8L)	1959-1977	4.188in./106.4mmX3.750in./95.3mm		11		
					426 CID (7.0L)	1964-1971	4.250in./108mmX3.750in./95.3mm		12		
					Hemispherical						
					426 CID (7.0L) Wedge	1963-1965	4.250in./108mmX3.750in./95.3mm		12		
					440 CID (7.2L)	1966-1980	4.320in./109.7mmX3.750in./95.3mm		11		



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	2.0 DOHC Neon 4 Cyl (1995-1999)			3.445in./87.5mm x 3.268in./83mm				1
	2.0 SOHC Neon 4 Cyl (1995-2004)			3.445in./87.5mm x 3.268in./83mm				
Rod Bearing(4)	TM-77	CB-1635H	STD,.026mm,.25mm	1.8894/1.8900	0.0006/0.0028	0.0583	2.0075/2.0080	0.8060
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(4)	TM-77	CB-1635HX	STD	1.8894/1.8900	0.0016/0.0038	0.0578	2.0075/2.0080	0.8060
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-2028P	STD,.25mm,.50mm					
1-2-4-5		MB-4001P		2.0469/2.0475	0.0008/0.0024	0.0782	2.2046/2.2050	0.7860
3		MB-4000P(F)		2.0469/2.0475	0.0008/0.0024	0.0784	2.2046/2.2050	1.0340
NOTE: Bearing Caps May Require Notching, Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-2257P	STD,.25mm,.50mm					
1-2-4-5		MB-4001P		2.0469/2.0475	0.0008/0.0024	0.0782	2.2046/2.2050	0.7860
3		MB-4000P(F)		2.0469/2.0475	0.0008/0.0024	0.0784	2.2046/2.2050	1.0340
NOTE: Bearing Caps May Require Notching, Contains Full Grooved Bearings								
Connecting Rod	20 Lbs.Ft. Plus 90 Degrees							
2	148 CID (2.4L) DOHC 4 Cyl (1995-2004)			3.445in./87.5mm x 3.976in./101mm				2
Rod Bearing(4)	TM-77	CB-1813H	STD,.026mm,.25mm	1.9677/1.9687	0.0008/0.0030	0.0584	2.0863/2.0869	0.7930
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(4)	TM-77	CB-1813HK	STD	1.9677/1.9687	0.0008/0.0030	0.0584	2.0863/2.0869	0.7930
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(4)	TM-77	CB-1813HX	STD	1.9677/1.9687	0.0018/0.0040	0.0579	2.0863/2.0869	0.7930
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(4)	TM-77	CB-1813HXX	STD	1.9677/1.9687	0.0018/0.0040	0.0579	2.0863/2.0869	0.7930
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-2201H	STD,.026mm,.25mm					
1-2-4-5		MB-3594H		2.3617/2.3627	0.0005/0.0029	0.0781	2.5194/2.5202	0.8510
3		MB-3595H(F)		2.3617/2.3627	0.0005/0.0029	0.0781	2.5194/2.5202	1.0970
NOTE: H-Series Performance,Contains Full Grooved Bearings								
Main Bearing Set	TM-77	MS-2201HX	STD					
1-2-4-5		MB-3594HX		2.3617/2.3627	0.0015/0.0039	0.0776	2.5194/2.5202	0.8510
3		MB-3595HX(F)		2.6317/2.6327	0.0015/0.0039	0.0776	2.5194/2.5202	1.0970
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Contains Full Grooved Bearings								
3	148 CID (2.4L) DOHC Turbocharged/Intercooled 4 Cyl (2003-2004)			3.445in./87.5mm x 3.976in./101mm				3
Rod Bearing(4)	TM-77	CB-1813H	STD,.026mm,.25mm	1.9677/1.9687	0.0008/0.0030	0.0584	2.0863/2.0869	0.7930
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(4)	TM-77	CB-1813HK	STD	1.9677/1.9687	0.0008/0.0030	0.0584	2.0863/2.0869	0.7930
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(4)	TM-77	CB-1813HX	STD	1.9677/1.9687	0.0018/0.0040	0.0579	2.0863/2.0869	0.7930
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(4)	TM-77	CB-1813HXX	STD	1.9677/1.9687	0.0018/0.0040	0.0579	2.0863/2.0869	0.7930
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-2246H	STD,.026mm,.25mm					
1-2-4-5		MB-3594H		2.3617/2.3627	0.0005/0.0029	0.0781	2.5194/2.5202	0.8510
3		MB-3828H(F)		2.3617/2.3627	0.0005/0.0029	0.0781	2.5194/2.5202	1.0970
NOTE: H-Series Performance,Bearing For Position Number 3 Has Plain Lower Half And Grooved Upper Half,Bearings For Position Numbers 1,2,4,5 Are Full Grooved								
Main Bearing Set	TM-77	MS-2246HX	STD					
1-2-4-5		MB-3594HX		2.3617/2.3627	0.0015/0.0039	0.0776	2.5194/2.5202	0.8510
3		MB-3828HX(F)		2.3617/2.3627	0.0015/0.0039	0.0776	2.5194/2.5202	1.0970
NOTE: H-Series Performance,Bearing For Position Number 3 Has Plain Lower Half And Grooved Upper Half,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Bearings For Position Numbers 1,2,4,5 Are Full Grooved								



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL								
4	273 CID (4.5L) V8 Cyl (1964-1969)			3.625in./92.1mm x 3.313in./84.2mm				4
	318 CID (5.2L) "A" Block V8 Cyl (1957-1967)			3.910in./99.3mm x 3.313in./84.2mm				
	340 CID (5.6L) V8 Cyl (1968-1973)			4.040in./102.6mm x 3.313in./84.2mm				
Rod Bearing(8) TM-77 CB-481H STD,1,10 NOTE: H-Series Performance,No Dowel Hole In Cap Half To Be Replaced By CB-481HN				2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.8480
Rod Bearing(8) TM-77 CB-481HK STD,1,10 NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half To Be Replaced By CB-481HNK				2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.8480
Rod Bearing(8) TM-77 CB-481HN STD,1,9,10,11 NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half				2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.7980
Rod Bearing(8) TM-77 CB-481HNK STD,1,10 NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half				2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.7980
Rod Bearing(8) TM-77 CB-481HX STD NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half To Be Replaced By CB-481HXN				2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.8480
Rod Bearing(8) TM-77 CB-481HXX STD NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half To Be Replaced By CB-481HXNK				2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.8480
Rod Bearing(8) TM-77 CB-481HXN STD NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half				2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.7980
Rod Bearing(8) TM-77 CB-481HXNK STD NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half				2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.7980
Main Bearing Set TM-77 MS-540H STD,1,10 1-2-4 MB-2035H 3 MB-2036H(F) 5 MB-2559H NOTE: H-Series Performance,Bearing For Position Number 5 Is Full Grooved,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves				2.4995/2.5005 2.4995/2.5005 2.4995/2.5005	0.0004/0.0025 0.0004/0.0025 0.0004/0.0025	0.0958 0.0958 0.0958	2.6925/2.6930 2.6925/2.6930 2.6925/2.6930	0.8770 1.1520 1.3720
Main Bearing Set TM-77 MS-540HK STD,1,10 1-2-4 MB-2035H 3 MB-2036H(F) 5 MB-2559H NOTE: H-Series Performance With TriArmor™,Bearing For Position Number 5 Is Full Grooved,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness				2.4995/2.5005 2.4995/2.5005 2.4995/2.5005	0.0004/0.0025 0.0004/0.0025 0.0004/0.0025	0.0958 0.0958 0.0958	2.6925/2.6930 2.6925/2.6930 2.6925/2.6930	0.8770 1.1520 1.3720
Main Bearing Set TM-77 MS-540HX STD 1-2-4 MB-2035HX 3 MB-2036HX(F) 5 MB-2559HX NOTE: H-Series Performance,Bearing For Position Number 5 Is Full Grooved,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves				2.4995/2.5005 2.4995/2.5005 2.4995/2.5005	0.0014/0.0035 0.0014/0.0035 0.0014/0.0035	0.0953 0.0953 0.0953	2.6925/2.6930 2.6925/2.6930 2.6925/2.6930	0.8770 1.1520 1.3270
Main Bearing Set TM-77 MS-540HXX STD 1-2-4 MB-2035HX 3 MB-2036HX(F) 5 MB-2559HX NOTE: H-Series Performance With TriArmor™,Bearing For Position Number 5 Is Full Grooved,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness				2.4995/2.5005 2.4995/2.5005 2.4995/2.5005	0.0014/0.0035 0.0014/0.0035 0.0014/0.0035	0.0953 0.0953 0.0953	2.6925/2.6930 2.6925/2.6930 2.6925/2.6930	0.8770 1.1520 1.3270

High Performance/Race



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
4 (Cont.)	273 CID (4.5L) V8 Cyl (1964-1969) 318 CID (5.2L) "A" Block V8 Cyl (1957-1967) 340 CID (5.6L) V8 Cyl (1968-1973)				3.625in./92.1mm x 3.313in./84.2mm 3.910in./99.3mm x 3.313in./84.2mm 4.040in./102.6mm x 3.313in./84.2mm			4 (Cont.)
Main Bearing Set 1-2-4 3 5	VP-2	MS-963V MB-2283V MB-2036V(F) MB-2559V	STD,1	2.4995/2.5005 2.4995/2.5005 2.4995/2.5005	0.0006/0.0031 0.0006/0.0031 0.0006/0.0031	0.0958 0.0958 0.0958	2.6925/2.6930 2.6925/2.6930 2.6925/2.6930	0.8370 1.1520 1.2870
NOTE: V-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-4 3 5	VP-2	MS-963VX MB-2283VX MB-2036VX(F) MB-2559VX	STD	2.4995/2.5005 2.4995/2.5005 2.4995/2.5005	0.0016/0.0041 0.0016/0.0041 0.0016/0.0041	0.0953 0.0953 0.0953	2.6925/2.6930 2.6925/2.6930 2.6925/2.6930	0.8370 1.1520 1.2870
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Cam Bearing Set 1 2 3 4 5	B-1	SH-875S SH-875 SH-326 SH-327 SH-328 SH-329	STD	1.9980/1.9990 1.9820/1.9830 1.9670/1.9680 1.9510/1.9520 1.5605/1.5615	0.0015/0.0055 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045	0.0645 0.0650 0.0650 0.0650 0.0650	2.1295/2.1305 2.1135/2.1145 2.0985/2.0995 2.0825/2.0835 1.6920/1.6930	0.9000 0.7700 0.7570 0.7700 0.9500
Rod Forging C/S Forging	699, 782, 1618699, 2406782, 2899496, 3418645 1626123, 1630270, 1630276, 1650270, 1732557, 1732559, 1732610, 1826123, 1826129, 1830276, 2128278, 2128869, 2205700, 2205702, 2258393, 2264182, 2465747, 2532457, 2558393, 2656278, 2658268, 2658278, 2658393, 2843868, 3462387, 3482387, 3751841							
Connecting Rod Main Bearing Main Bearing	45 To 50 Lbs.Ft. 80 To 85 Lbs.Ft. (340 CID (5.6L)) 85 Lbs.Ft. (273 CID (4.5L) ,318 CID (5.2L) "A" Block)							
5	318 CID (5.2L) LA/Magnum V8 Cyl (1967-2002)				3.910in./99.3mm x 3.313in./84.2mm			5
Rod Bearing(8)	TM-77	CB-481H	STD,1,10	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.8480
NOTE: H-Series Performance,No Dowel Hole In Cap Half To Be Replaced By CB-481HN								
Rod Bearing(8)	TM-77	CB-481HK	STD,1,10	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.8480
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half To Be Replaced By CB-481HNK								
Rod Bearing(8)	TM-77	CB-481HN	STD,1,9,10,11	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.7980
NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-481HNK	STD,1,10	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.7980
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-481HX	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.8480
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half To Be Replaced By CB-481HXN								
Rod Bearing(8)	TM-77	CB-481HXX	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.8480
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half To Be Replaced By CB-481HXNK								
Rod Bearing(8)	TM-77	CB-481HXN	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.7980
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-481HXNK	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.7980
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								



CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
5 (Cont.)	318 CID (5.2L) LA/Magnum V8 Cyl (1967-2002)			3.910in./99.3mm x 3.313in./84.2mm				5 (Cont.)
Main Bearing Set 1-2-4 3 5	TM-77	MS-540H MB-2035H MB-2036H(F) MB-2559H	STD,1,10	2.4995/2.5005 2.4995/2.5005 2.4995/2.5005	0.0004/0.0025 0.0004/0.0025 0.0004/0.0025	0.0958 0.0958 0.0958	2.6925/2.6930 2.6925/2.6930 2.6925/2.6930	0.8770 1.1520 1.3720
NOTE: 1967-1973, H-Series Performance,Bearing For Position Number 5 Is Full Grooved,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves								
Main Bearing Set 1-2-4 3 5	TM-77	MS-540HK MB-2035H MB-2036H(F) MB-2559H	STD,1,10	2.4995/2.5005 2.4995/2.5005 2.4995/2.5005	0.0004/0.0025 0.0004/0.0025 0.0004/0.0025	0.0958 0.0958 0.0958	2.6925/2.6930 2.6925/2.6930 2.6925/2.6930	0.8770 1.1520 1.3720
NOTE: 1967-1973, H-Series Performance With TriArmor™,Bearing For Position Number 5 Is Full Grooved,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set 1-2-4 3 5	TM-77	MS-540HX MB-2035HX MB-2036HX(F) MB-2559HX	STD	2.4995/2.5005 2.4995/2.5005 2.4995/2.5005	0.0014/0.0035 0.0014/0.0035 0.0014/0.0035	0.0953 0.0953 0.0953	2.6925/2.6930 2.6925/2.6930 2.6925/2.6930	0.8770 1.1520 1.3270
NOTE: 1967-1973, H-Series Performance,Bearing For Position Number 5 Is Full Grooved,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves								
Main Bearing Set 1-2-4 3 5	TM-77	MS-540HXX MB-2035HX MB-2036HX(F) MB-2559HX	STD	2.4995/2.5005 2.4995/2.5005 2.4995/2.5005	0.0014/0.0035 0.0014/0.0035 0.0014/0.0035	0.0953 0.0953 0.0953	2.6925/2.6930 2.6925/2.6930 2.6925/2.6930	0.8770 1.1520 1.3270
NOTE: 1967-1973, H-Series Performance With TriArmor™,Bearing For Position Number 5 Is Full Grooved,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set 1-2-4 3 5	VP-2	MS-963V MB-2283V MB-2036V(F) MB-2559V	STD,1	2.4995/2.5005 2.4995/2.5005 2.4995/2.5005	0.0006/0.0031 0.0006/0.0031 0.0006/0.0031	0.0958 0.0958 0.0958	2.6925/2.6930 2.6925/2.6930 2.6925/2.6930	0.8370 1.1520 1.2870
NOTE: V-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-4 3 5	VP-2	MS-963VX MB-2283VX MB-2036VX(F) MB-2559VX	STD	2.4995/2.5005 2.4995/2.5005 2.4995/2.5005	0.0016/0.0041 0.0016/0.0041 0.0016/0.0041	0.0953 0.0953 0.0953	2.6925/2.6930 2.6925/2.6930 2.6925/2.6930	0.8370 1.1520 1.2870
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-4 3 5	VP-2	MS-1344V MB-2283V MB-2620V(F) MB-2559V	STD,1	2.4995/2.5005 2.4995/2.5005 2.4995/2.5005	0.0006/0.0031 0.0006/0.0031 0.0006/0.0031	0.0958 0.0958 0.0958	2.6925/2.6930 2.6925/2.6930 2.6925/2.6930	0.8370 1.1520 1.2870
NOTE: 1974-2002, V-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-4 3 5	VP-2	MS-1344VX MB-2283VX MB-2620VX(F) MB-2559VX	STD	2.4995/2.5005 2.4995/2.5005 2.4995/2.5005	0.0016/0.0041 0.0016/0.0041 0.0016/0.0041	0.0953 0.0953 0.0953	2.6925/2.6930 2.6925/2.6930 2.6925/2.6930	0.8370 1.1520 1.2870
NOTE: 1974-2002, V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-4-5 3	VP-2	MS-2221V MB-3785V MB-2620V(F)	STD,1	2.4995/2.5005 2.4995/2.5005	0.0002/0.0022 0.0006/0.0031	0.0959 0.0958	2.6925/2.6930 2.6925/2.6930	0.9750 1.1520
NOTE: Pro-Stock Chrysler, V-Series Performance,Bearing Is Tri-bore Design								
Cam Bearing Set 1 2 3 4 5	B-1	SH-875S SH-875 SH-326 SH-327 SH-328 SH-329	STD	1.9980/1.9990 1.9820/1.9830 1.9670/1.9680 1.9510/1.9520 1.5605/1.5615	0.0015/0.0055 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045	0.0645 0.0650 0.0650 0.0650 0.0650	2.1295/2.1305 2.1135/2.1145 2.0985/2.0995 2.0825/2.0835 1.6920/1.6930	0.9000 0.7700 0.7570 0.7700 0.9500
NOTE: 1967-1978								

High Performance/Race



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
5 (Cont.)	318 CID (5.2L) LA/Magnum V8 Cyl (1967-2002)			3.910in./99.3mm x 3.313in./84.2mm				5 (Cont.)
Cam Bearing Set	B-1	SH-1112S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-1112		1.9820/1.9830	0.0015/0.0055	0.0645	2.1135/2.1145	0.6300
3		SH-1113		1.9670/1.9680	0.0015/0.0055	0.0645	2.0985/2.0995	0.6300
4		SH-1114		1.9510/1.9520	0.0015/0.0055	0.0645	2.0825/2.0835	0.6300
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
NOTE: 1979-2002								
Rod Forging	699, 782, 1618699, 2406782, 3418645							
C/S Forging	1626123, 1630270, 1630276, 1650270, 1732557, 1732559, 1732610, 1826123, 1826129, 1830276, 2128278, 2128869, 2205700, 2205702, 2258393, 2264182, 2465747, 2532457, 2558393, 2656278, 2658268, 2658278, 2658393, 2843868, 3462387, 3482387, 3751841							
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 85 Lbs.Ft.							
6	345 CID (5.7L) Hemi V8 Cyl (2003-2005)			3.917in./99.5mm x 3.580in./90.9mm				6
	370 CID (6.1L) Hemi V8 Cyl (2006-2007)			4.055in./103mm x 3.580in./90.9mm				
Rod Bearing(8)	TM-77	CB-1808HN	STD,.026mm,.23mm,.25mm,.28mm	2.1257/2.1263	0.0009/0.0026	0.0625	2.2522/2.2527	0.7410
NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1808HXN	STD	2.1257/2.1263	0.0019/0.0036	0.0620	2.2522/2.2527	0.7410
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-2220H	STD,.026mm,.23mm,.25mm,.28mm					
1-2-3-4-5		MB-3780H		2.5589/2.5592	0.0003/0.0015	0.0961	2.7517/2.7522	0.8510
NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves,Requires Thrust Washer Set, Not Included, Use With Part Number TW-611S								
Main Bearing Set	TM-77	MS-2220HX	STD					
1-2-3-4-5		MB-3780HX		2.5589/2.5592	0.0013/0.0025	0.0956	2.7517/2.7522	0.8510
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves,Requires Thrust Washer Set, Not Included, Use With Part Number TW-611S								
Thrust Washer Set		TW-611S	STD					
		MB-3780W		2.8600/2.8800			3.6760	0.1018
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-2220H, MS-2220HX								
Cam Bearing Set	B-1	SH-1990S	STD					
1		SH-1990		2.2906/2.2913	0.0013/0.0050	0.0650	2.4226/2.4236	0.6830
2		SH-1991		2.2748/2.2756	0.0012/0.0050	0.0650	2.4068/2.4078	0.6040
3		SH-1992		2.2591/2.2598	0.0013/0.0050	0.0650	2.3911/2.3921	0.6040
4		SH-1993		2.2433/2.2441	0.0012/0.0050	0.0650	2.3753/2.3763	0.6040
5		SH-1994		1.7170/1.7178	0.0016/0.0054	0.0650	1.8494/1.8504	0.6040
7	350 CID (5.7L) OHV V8 Cyl (1958)			4.063in./103.2mm x 3.375in./85.7mm				7
	361 CID (5.9L) V8 Cyl (1958-1977)			4.125in./104.8mm x 3.375in./85.7mm				
	400 CID (6.6L) V8 Cyl (1972-1980)			4.342in./110.3mm x 3.375in./85.7mm				
Rod Bearing(8)	TM-77	CB-527HD	STD,1,10	2.3740/2.3750	0.0006/0.0027	0.0622	2.5000/2.5005	0.9120
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-527HND								
Rod Bearing(8)	TM-77	CB-527HDK	STD	2.3740/2.3750	0.0006/0.0027	0.0622	2.5000/2.5005	0.9120
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-527HNDK								
Rod Bearing(8)	TM-77	CB-527HND	STD,1,9,10,11	2.3740/2.3750	0.0006/0.0027	0.0622	2.5000/2.5005	0.8620
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-527HNDK	STD	2.3740/2.3750	0.0006/0.0027	0.0622	2.5000/2.5005	0.8620
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
7 (Cont.)	350 CID (5.7L) OHV V8 Cyl (1958)				4.063in./103.2mm x 3.375in./85.7mm			7 (Cont.)
	361 CID (5.9L) V8 Cyl (1958-1977)				4.125in./104.8mm x 3.375in./85.7mm			
	400 CID (6.6L) V8 Cyl (1972-1980)				4.342in./110.3mm x 3.375in./85.7mm			
Rod Bearing(8)	TM-77	CB-527HXD	STD	2.3740/2.3750	0.0016/0.0037	0.0617	2.5000/2.5005	0.9120
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
To Be Replaced By CB-527HXND								
Rod Bearing(8)	TM-77	CB-527HXDK	STD	2.3740/2.3750	0.0016/0.0037	0.0617	2.5000/2.5005	0.9120
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod								
To Be Replaced By CB-527HXNDK								
Rod Bearing(8)	TM-77	CB-527HXND	STD	2.3740/2.3750	0.0016/0.0037	0.0617	2.5000/2.5002	0.8620
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-527HXNDK	STD	2.3740/2.3750	0.0016/0.0037	0.0617	2.5000/2.5005	0.8620
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Main Bearing Set	TM-77	MS-876P	STD,10,20,30,40,C60					
1-2-4-5		MB-2065P		2.6245/2.6255	0.0011/0.0036	0.0956	2.8175/2.8180	0.9490
3		MB-2456P(F)		2.6245/2.6255	0.0011/0.0036	0.0956	2.8175/2.8180	1.2240
NOTE: .060" Undersize Set Contains .010" Oversize Length Flanged Bearing,Contains Full Grooved Bearings								
Cam Bearing Set	B-1	SH-876S	STD					
1		SH-876		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.7600
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-404		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.6800
4		SH-405		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
5		SH-406		1.7480/1.7490	0.0005/0.0045	0.0645	1.8795/1.8805	0.7600
Rod Forging	1618699, 1737692, 1851535, 2406782, 2951908							
C/S Forging	1737641, 1737642, 1851527, 2203155, 2203157, 2206157, 2206159, 2482923, 3462923, 3751877, 4027172							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
8	360 CID (5.9L) OHV V8 Cyl (1971-2002)				4.000in./101.6mm x 3.578in./90.8mm			8
Rod Bearing(8)	TM-77	CB-481H	STD,1,10	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.8480
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
To Be Replaced By CB-481HN								
Rod Bearing(8)	TM-77	CB-481HK	STD,1,10	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.8480
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
To Be Replaced By CB-481HNK								
Rod Bearing(8)	TM-77	CB-481HN	STD,1,9,10,11	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.7980
NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-481HNK	STD,1,10	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.7980
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-481HX	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.8480
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
To Be Replaced By CB-481HXN								
Rod Bearing(8)	TM-77	CB-481HXK	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.8480
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
To Be Replaced By CB-481HXNK								



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
8 (Cont.)	360 CID (5.9L) OHV V8 Cyl (1971-2002)			4.000in./101.6mm x 3.578in./90.8mm				8 (Cont.)
Rod Bearing(8)	TM-77	CB-481HXN	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.7980
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-481HXNK	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.7980
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-1051P	STD,10,20,30					
1-2-4		MB-2590P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	0.8770
3		MB-2591P(F)		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.1520
5		MB-2592P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.2590
NOTE: 1971-1973, Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-1266H	STD					
1-2-4		MB-2622H		2.8095/2.8105	0.0004/0.0025	0.0958	3.0025/3.0030	0.8770
3		MB-2623H(F)		2.8095/2.8105	0.0004/0.0025	0.0958	3.0025/3.0030	1.1520
5		MB-2624H		2.8095/2.8105	0.0004/0.0025	0.0958	3.0025/3.0030	1.2590
NOTE: 1974-2002, H-Series Performance,Contains Full Grooved Bearings To Be Replaced By MS-1266HG								
Main Bearing Set	TM-77	MS-1266HG	STD,1,9,10,11					
1-2-4		MB-2622H		2.8095/2.8105	0.0004/0.0025	0.0958	3.0025/3.0030	0.8770
3		MB-2623H(F)		2.8095/2.8105	0.0004/0.0025	0.0958	3.0025/3.0030	1.1520
5		MB-2624H		2.8095/2.8105	0.0004/0.0025	0.0958	3.0025/3.0030	1.2590
NOTE: 1974-2002, H-Series Performance,Contains Full Grooved Bearings								
Main Bearing Set	TM-77	MS-1266HGX	STD					
1-2-4		MB-2622HX		2.8095/2.8105	0.0014/0.0035	0.0953	3.0025/3.0030	0.8770
3		MB-2623HX(F)		2.8095/2.8105	0.0014/0.0035	0.0953	3.0025/3.0030	1.1520
5		MB-2624HX		2.8095/2.8105	0.0014/0.0035	0.0953	3.0025/3.0030	1.2590
NOTE: 1974-2002, H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Contains Full Grooved Bearings								
Main Bearing Set	TM-77	MS-1266HX	STD					
1-2-4		MB-2622H		2.8095/2.8105	0.0004/0.0025	0.0958	3.0025/3.0030	0.8770
3		MB2623HX(F)		2.8095/2.8105	0.0014/0.0035	0.0953	3.0025/3.0030	1.1520
5		MB-2624HX		2.8095/2.8105	0.0014/0.0035	0.0953	3.0025/3.0030	1.2590
NOTE: 1974-2002, H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Contains Full Grooved Bearings To Be Replaced By MS-1266HGX								
Cam Bearing Set	B-1	SH-875S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-326		1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700
3		SH-327		1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570
4		SH-328		1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
NOTE: 1971-1978								
Cam Bearing Set	B-1	SH-1112S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-1112		1.9820/1.9830	0.0015/0.0055	0.0645	2.1135/2.1145	0.6300
3		SH-1113		1.9670/1.9680	0.0015/0.0055	0.0645	2.0985/2.0995	0.6300
4		SH-1114		1.9510/1.9520	0.0015/0.0055	0.0645	2.0825/2.0835	0.6300
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
NOTE: 1979-2002								
C/S Forging	3418640, 3418995, 4027169, 3418840-2							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
9	383 CID (6.3L) V8 Cyl (1959-1971)			4.250in./108mm x 3.375in./85.7mm				9
Rod Bearing(8)	TM-77	CB-527HD	STD,1,10	2.3740/2.3750	0.0006/0.0027	0.0622	2.5000/2.5005	0.9120
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-527HND								



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
9 (Cont.)	383 CID (6.3L) V8 Cyl (1959-1971)			4.250in./108mm x 3.375in./85.7mm				9 (Cont.)
Rod Bearing(8)	TM-77	CB-527HDK	STD	2.3740/2.3750	0.0006/0.0027	0.0622	2.5000/2.5005	0.9120
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-527HNDK								
Rod Bearing(8)	TM-77	CB-527HND	STD,1,9,10,11	2.3740/2.3750	0.0006/0.0027	0.0622	2.5000/2.5005	0.8620
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-527HNDK	STD	2.3740/2.3750	0.0006/0.0027	0.0622	2.5000/2.5005	0.8620
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-527HXD	STD	2.3740/2.3750	0.0016/0.0037	0.0617	2.5000/2.5005	0.9120
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-527HXND								
Rod Bearing(8)	TM-77	CB-527HXDK	STD	2.3740/2.3750	0.0016/0.0037	0.0617	2.5000/2.5005	0.9120
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-527HXNDK								
Rod Bearing(8)	TM-77	CB-527HXND	STD	2.3740/2.3750	0.0016/0.0037	0.0617	2.5000/2.5002	0.8620
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-527HXNDK	STD	2.3740/2.3750	0.0016/0.0037	0.0617	2.5000/2.5005	0.8620
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Main Bearing Set 1-2-4-5 3	TM-77	MS-876P MB-2065P MB-2456P(F)	STD,10,20,30,40,C60	2.6245/2.6255 2.6245/2.6255	0.0011/0.0036 0.0011/0.0036	0.0956 0.0956	2.8175/2.8180 2.8175/2.8180	0.9490 1.2240
NOTE: 1961-1971, .060" Undersize Set Contains .010" Oversize Length Flanged Bearing,Contains Full Grooved Bearings								
Main Bearing Set 1-2-4-5 3	TM-77	MS-896P MB-2219P MB-2495P(F)	STD,10	2.7495/2.7505 2.7495/2.7505	0.0011/0.0036 0.0011/0.0036	0.0956 0.0956	2.9425/2.9430 2.9425/2.9430	0.9490 1.2240
NOTE: 1959-1960, P-Series Performance,Contains Full Grooved Bearings								
Main Bearing Set 1-2-4-5 3	B-2	MS-972M MB-2543M MB-2544M(F)	STD	2.7495/2.7505 2.7495/2.7505	0.0011/0.0032 0.0011/0.0032	0.0956 0.0956	2.9425/2.9430 2.9425/2.9430	0.9490 1.2240
NOTE: 1959-1960, M-Series Performance,Contains Full Grooved Bearings								
Cam Bearing Set 1 2 3 4 5	B-1	SH-876S SH-876 SH-403 SH-404 SH-405 SH-406	STD	1.9980/1.9990 1.9820/1.9830 1.9670/1.9680 1.9510/1.9520 1.7480/1.7490	0.0025/0.0065 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045	0.0640 0.0645 0.0645 0.0645 0.0645	2.1295/2.1305 2.1135/2.1145 2.0985/2.0995 2.0825/2.0835 1.8795/1.8805	0.7600 0.7600 0.6800 0.7600 0.7600
Rod Forging	1618699, 1737692, 1851535, 2406782, 2951908							
C/S Forging	1737641, 1737642, 1851527, 2203155, 2203157, 2206157, 2206159, 2482923, 3462923, 3751877, 4027172							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
10	392 CID (6.4L) Hemispherical V8 Cyl (1957-1958)			4.000in./101.6mm x 3.906in./99.2mm				10
Rod Bearing(8)	B-2	CB-1213M	STD,10	2.3740/2.3750	0.0007/0.0028	0.0624	2.5000/2.5005	0.8570
NOTE: Crankshafts With Extra-Large Fillets, M-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
10 (Cont.)	392 CID (6.4L) Hemispherical V8 Cyl (1957-1958)				4.000in./101.6mm x 3.906in./99.2mm			10 (Cont.)
Main Bearing Set 1-2-4	B-2	MS-426M	STD	2.6870/2.6880	0.0005/0.0026	0.0959	2.8800/2.8805	0.9100
3		MB-1802M		2.6870/2.6880	0.0005/0.0026	0.0959	2.8800/2.8805	1.2020
5		MB-1803M(F)		2.6870/2.6880	0.0005/0.0026	0.0959	2.8800/2.8805	1.6300
NOTE: M-Series Performance,Contains Full Grooved Bearings								
Cam Bearing Set 1	B-1	SH-313S	STD	1.9980/1.9990	0.0005/0.0045	0.0650	2.1295/2.1305	0.9440
2-3-4		SH-313		1.9980/1.9990	0.0005/0.0045	0.0650	2.1295/2.1305	0.8190
5		SH-314		1.4355/1.4365	0.0005/0.0045	0.0650	1.5670/1.5680	0.8820
Rod Forging 1673758								
C/S Forging 1673755								
Connecting Rod 40 To 45 Lbs.Ft.								
Main Bearing 85 To 90 Lbs.Ft.								
11	413 CID (6.8L) V8 Cyl (1959-1977)				4.188in./106.4mm x 3.750in./95.3mm			11
440 CID (7.2L) V8 Cyl (1966-1980)				4.320in./109.7mm x 3.750in./95.3mm				
Rod Bearing(8)	TM-77	CB-527HD	STD,1,10	2.3740/2.3750	0.0006/0.0027	0.0622	2.5000/2.5005	0.9120
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
To Be Replaced By CB-527HND								
Rod Bearing(8)	TM-77	CB-527HDK	STD	2.3740/2.3750	0.0006/0.0027	0.0622	2.5000/2.5005	0.9120
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod								
To Be Replaced By CB-527HNDK								
Rod Bearing(8)	TM-77	CB-527HND	STD,1,9,10,11	2.3740/2.3750	0.0006/0.0027	0.0622	2.5000/2.5005	0.8620
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-527HNDK	STD	2.3740/2.3750	0.0006/0.0027	0.0622	2.5000/2.5005	0.8620
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-527HXD	STD	2.3740/2.3750	0.0016/0.0037	0.0617	2.5000/2.5005	0.9120
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
To Be Replaced By CB-527HXND								
Rod Bearing(8)	TM-77	CB-527HXDK	STD	2.3740/2.3750	0.0016/0.0037	0.0617	2.5000/2.5005	0.9120
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod								
To Be Replaced By CB-527HXNDK								
Rod Bearing(8)	TM-77	CB-527HXND	STD	2.3740/2.3750	0.0016/0.0037	0.0617	2.5000/2.5002	0.8620
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-527HXNDK	STD	2.3740/2.3750	0.0016/0.0037	0.0617	2.5000/2.5005	0.8620
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Main Bearing Set 1-2-4-5	TM-77	MS-896P	STD,10	2.7495/2.7505	0.0011/0.0036	0.0956	2.9425/2.9430	0.9490
3		MB-2219P		2.7495/2.7505	0.0011/0.0036	0.0956	2.9425/2.9430	1.2240
NOTE: 1959-1973 Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter, P-Series Performance,Contains Full Grooved Bearings								



CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
11 (Cont.)	413 CID (6.8L) V8 Cyl (1959-1977)			4.188in./106.4mm x 3.750in./95.3mm				11 (Cont.)
	440 CID (7.2L) V8 Cyl (1966-1980)			4.320in./109.7mm x 3.750in./95.3mm				
Main Bearing Set 1-2-4-5 3	B-2	MS-972M MB-2543M MB-2544M(F)	STD	2.7495/2.7505 2.7495/2.7505	0.0011/0.0032 0.0011/0.0032	0.0956 0.0956	2.9425/2.9430 2.9425/2.9430	0.9490 1.2240
NOTE: 1959-1973 Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter, M-Series Performance, Contains Full Grooved Bearings								
Main Bearing Set 1-2-4-5 3	TM-77	MS-1277HG MB-2067HG MB-2625HG(F)	STD,10	2.7495/2.7505 2.7495/2.7505	0.0009/0.0030 0.0004/0.0025	0.0955 0.0958	2.9425/2.9430 2.9425/2.9430	0.9490 1.2240
NOTE: 1974-1980 Engines With 3.870"/3.930" Main Bearing Flange Outside Diameter, H-Series Performance, Contains Full Grooved Bearings								
Main Bearing Set 1-2-4-5 3		MS-2233HG MB-3789HG MB-2457HG(F)	STD,10	2.7495/2.7505 2.7495/2.7505	0.0010/0.0031 0.0010/0.0031	0.0956 0.0956	2.9425/2.9430 2.9425/2.9430	0.8750 1.2240
NOTE: 1959-1973 Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter, H-Series Performance, Bearing For Position Number 3 Is Full Grooved, Bearings For Position Numbers 1,2,4,5 Have Plain Lower And Grooved Upper Halves, Contains Narrowed Straight Shells For Extra Clearance								
Cam Bearing Set 1 2 3 4 5	B-1	SH-876S SH-876 SH-403 SH-404 SH-405 SH-406	STD	1.9980/1.9990 1.9820/1.9830 1.9670/1.9680 1.9510/1.9520 1.7480/1.7490	0.0025/0.0065 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045	0.0640 0.0645 0.0645 0.0645 0.0645	2.1295/2.1305 2.1135/2.1145 2.0985/2.0995 2.0825/2.0835 1.8795/1.8805	0.7600 0.7600 0.6800 0.7600 0.7600
Rod Forging	1851535, 2406395, 2406886, 2951908							
C/S Forging	3294, 1737642, 1821436, 1851436, 1855127, 1978698, 2206157, 2206158, 2206160, 3698641, 3751888, 4027175, 8698461, 3751888-5							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
12	426 CID (7.0L) Hemispherical V8 Cyl (1964-1971)			4.250in./108mm x 3.750in./95.3mm				12
	426 CID (7.0L) Wedge V8 Cyl (1963-1965)			4.250in./108mm x 3.750in./95.3mm				
Rod Bearing(8) NOTE: H-Series Performance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-527HND	TM-77	CB-527HD	STD,1,10	2.3740/2.3750	0.0006/0.0027	0.0622	2.5000/2.5005	0.9120
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™, Dowel Hole In Cap Half, Maximum Wall Does Not Include Coating Thickness, May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-527HNDK	TM-77	CB-527HDK	STD	2.3740/2.3750	0.0006/0.0027	0.0622	2.5000/2.5005	0.9120
Rod Bearing(8) NOTE: H-Series Performance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod, Narrowed On One Side For Increased Crank Fillet Clearance	TM-77	CB-527HND	STD,1,9,10,11	2.3740/2.3750	0.0006/0.0027	0.0622	2.5000/2.5005	0.8620
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™, Dowel Hole In Cap Half, Maximum Wall Does Not Include Coating Thickness, May Also Be Used In Engines Without Doweled Connecting Rod, Narrowed On One Side For Increased Crank Fillet Clearance	TM-77	CB-527HNDK	STD	2.3740/2.3750	0.0006/0.0027	0.0622	2.5000/2.5005	0.8620
Rod Bearing(8) NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-527HXND	TM-77	CB-527HXD	STD	2.3740/2.3750	0.0016/0.0037	0.0617	2.5000/2.5005	0.9120
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Dowel Hole In Cap Half, Maximum Wall Does Not Include Coating Thickness, May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-527HXNDK	TM-77	CB-527HXDK	STD	2.3740/2.3750	0.0016/0.0037	0.0617	2.5000/2.5005	0.9120
Rod Bearing(8) NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod, Narrowed On One Side For Increased Crank Fillet Clearance	TM-77	CB-527HXND	STD	2.3740/2.3750	0.0016/0.0037	0.0617	2.5000/2.5002	0.8620

High Performance/Race



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
12 (Cont.)	426 CID (7.0L) Hemispherical V8 Cyl (1964-1971)				4.250in./108mm x 3.750in./95.3mm			12 (Cont.)
	426 CID (7.0L) Wedge V8 Cyl (1963-1965)				4.250in./108mm x 3.750in./95.3mm			
Rod Bearing(8)	TM-77	CB-527HXNDK	STD	2.3740/2.3750	0.0016/0.0037	0.0617	2.5000/2.5005	0.8620
NOTE: H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Dowel Hole In Cap Half, Maximum Wall Does Not Include Coating Thickness, May Also Be Used In Engines Without Doweled Connecting Rod, Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	VP-3	CB-1512CVU	STD	2.3740/2.3750	0.0015/0.0036	0.0624	2.5000/2.5005	0.8460
		CB-1512CV(U)		2.3740/2.3750	0.0015/0.0036	0.0624	2.5000/2.5005	0.8460
NOTE: V-Series Performance, Contains Upper Shell Only, Crankshafts With Extra Large Fillets, Cryogenically Treated								
Rod Bearing(8)	B-2	CB-1512M	STD	2.3740/2.3750	0.0015/0.0036	0.0620	2.5000/2.5005	0.8460
NOTE: Crankshafts With Extra-Large Fillets, M-Series Performance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	B-2	CB-1512M(U)	STD	2.3740/2.3750	0.0015/0.0036	0.0620	2.5000/2.5005	0.8460
NOTE: Crankshafts With Extra-Large Fillets, M-Series Performance, Contains Upper Shell Only								
Rod Bearing(8)	VP-3	CB-1512V	STD, 10	2.3740/2.3750	0.0015/0.0036	0.0620	2.5000/2.5005	0.8460
NOTE: Crankshafts With Extra-Large Fillets, V-Series Performance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	VP-3	CB-1512V(U)	STD	2.3740/2.3750	0.0015/0.0036	0.0624	2.5000/2.5005	0.8460
NOTE: Crankshafts With Extra-Large Fillets, V-Series Performance, Contains Upper Shell Only								
Main Bearing Set	TM-77	MS-896P	STD, 10					
1-2-4-5		MB-2219P		2.7495/2.7505	0.0011/0.0036	0.0956	2.9425/2.9430	0.9490
3		MB-2495P(F)		2.7495/2.7505	0.0011/0.0036	0.0956	2.9425/2.9430	1.2240
NOTE: Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter, P-Series Performance, Contains Full Grooved Bearings								
Main Bearing Set	B-2	MS-972M	STD					
1-2-4-5		MB-2543M		2.7495/2.7505	0.0011/0.0032	0.0956	2.9425/2.9430	0.9490
3		MB-2544M(F)		2.7495/2.7505	0.0011/0.0032	0.0956	2.9425/2.9430	1.2240
NOTE: Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter, M-Series Performance, Contains Full Grooved Bearings								
Main Bearing Set	B-2	MS-1795M	STD, 20					
1-2-4-5		MB-3248M		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	0.9490
3		MB-3249M(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.2240
NOTE: Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter, M-Series Performance, Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	VP-3	MS-1795V	STD, 10					
1-2-4-5		MB-3248V		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	0.9490
3		MB-3249V(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.2240
NOTE: Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter, V-Series Performance, Bearing Is Tri-bore Design, Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	VP-3	MS-2067V	STD					
1-2-3-4-5		MB-3564V		2.9975/2.9980	0.0032/0.0049	0.0954	3.1911/3.1915	0.9490
NOTE: 3.000" Diameter Main Bearing Journals, Aluminum Block, V-Series Performance, Bearing Is Tri-bore Design, Grooved Upper Halves Plain Lower Halves, Requires Thrust Washer Set, Not Included, Use With Part Number TW-120S, TW-130S								
Main Bearing Set		MS-2233HG	STD, 10					
1-2-4-5		MB-3789HG		2.7495/2.7505	0.0010/0.0031	0.0956	2.9425/2.9430	0.8750
3		MB-2457HG(F)		2.7495/2.7505	0.0010/0.0031	0.0956	2.9425/2.9430	1.2240
NOTE: Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter, H-Series Performance, Bearing For Position Number 3 Is Full Grooved, Bearings For Position Numbers 1, 2, 4, 5 Have Plain Lower And Grooved Upper Halves, Contains Narrowed Straight Shells For Extra Clearance								
Thrust Washer Set		TW-120S	STD					
		MB-1739W(L)		3.3150/3.3250			3.8880/3.8980	0.0920
		MB-1739W(U)		3.3150/3.3250			3.8880/3.8980	0.0920
NOTE: Aftermarket Blocks Manufactured For 3.000" Diameter Main Bearing Journal Crankshafts, Contains 4 Pieces, Position Number 3, Use With Part Number MS-2067V								



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
12 (Cont.)	426 CID (7.0L) Hemispherical V8 Cyl (1964-1971)			4.250in./108mm x 3.750in./95.3mm				12 (Cont.)
	426 CID (7.0L) Wedge V8 Cyl (1963-1965)			4.250in./108mm x 3.750in./95.3mm				
Thrust Washer Set		TW-130S	STD					
		MB-2292W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2292W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: 2.750" Main Bearing Journal Blocks Line Bored To Accept 3.000" Diameter Main Bearing Journal Crankshafts, Contains 4 Pieces, Position Number 3, Use With Part Number MS-2067V								
Cam Bearing Set		B-1	SH-876S	STD				
1		SH-876		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.7600
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-404		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.6800
4		SH-405		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
5		SH-406		1.7480/1.7490	0.0005/0.0045	0.0645	1.8795/1.8805	0.7600
Rod Forging	1851535, 2406395, 2406886, 2468000, 2951908							
C/S Forging	3294, 1737642, 1821436, 1851436, 1851527, 1855127, 1978698, 2006157, 2206157, 2206158, 2206160, 2463548, 2780513, 2780533, 3698641, 3751888, 4027175, 8698461, 3751888-5							
Connecting Rod	45 Lbs.Ft. (426 CID (7.0L) Wedge)							
Connecting Rod	75 Lbs.Ft. (426 CID (7.0L) Hemispherical)							
Main Bearing	100 Lbs.Ft. (Except Side Bolts)							
Main Bearing	45 Lbs.Ft. (Side Bolts)							
Main Bearing	85 Lbs.Ft. (426 CID (7.0L) Wedge)							
10 CYL								
13	488 CID (8.0L) Aluminum Block V10 Cyl (1992-2002)			4.000in./101.6mm x 3.882in./98.6mm				13
Rod Bearing(10)		TM-77	CB-481H	STD,1,10	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
To Be Replaced By CB-481HN								
Rod Bearing(10)		TM-77	CB-481HK	STD,1,10	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
To Be Replaced By CB-481HNK								
Rod Bearing(10)		TM-77	CB-481HN	STD,1,9,10,11	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505
NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(10)		TM-77	CB-481HNK	STD,1,10	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(10)		TM-77	CB-481HX	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
To Be Replaced By CB-481HXN								
Rod Bearing(10)		TM-77	CB-481HXK	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
To Be Replaced By CB-481HXNK								
Rod Bearing(10)		TM-77	CB-481HXN	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(10)		TM-77	CB-481HXNK	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Main Bearing Set		TM-77	MS-2253H	STD,1,10				
1-2-4-5-6			MB-4002H		2.9995/3.0005	0.0004/0.0025	0.0958	3.1925/3.1930
3			MB-4003H(F)		2.9995/3.0005	0.0004/0.0025	0.0958	3.1925/3.1930
NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves								

High Performance/Race



CHRYSLER (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
10 CYL (Cont.)								
13 (Cont.)	488 CID (8.0L) Aluminum Block V10 Cyl (1992-2002)				4.000in./101.6mm x 3.882in./98.6mm			13 (Cont.)
Main Bearing Set 1-2-4-5-6 3	TM-77	MS-2253HX MB-4002HX MB-4003HX(F)	STD	2.9995/3.0005 2.9995/3.0005	0.0014/0.0035 0.0014/0.0035	0.0953 0.0953	3.1925/3.1930 3.1925/3.1930	0.8770 1.1520
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
14	488 CID (8.0L) Iron Block Dodge V10 Cyl (1994-2003)				4.000in./101.6mm x 3.882in./98.6mm			14
Rod Bearing(10) NOTE: H-Series Performance,No Dowel Hole In Cap Half To Be Replaced By CB-481HN	TM-77	CB-481H	STD,1,10	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.8480
Rod Bearing(10) NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half To Be Replaced By CB-481HNK	TM-77	CB-481HK	STD,1,10	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.8480
Rod Bearing(10) NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half	TM-77	CB-481HN	STD,1,9,10,11	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.7980
Rod Bearing(10) NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half	TM-77	CB-481HNK	STD,1,10	2.1240/2.1250	0.0004/0.0025	0.0623	2.2500/2.2505	0.7980
Rod Bearing(10) NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half To Be Replaced By CB-481HXN	TM-77	CB-481HX	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.8480
Rod Bearing(10) NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half To Be Replaced By CB-481HXNK	TM-77	CB-481HXK	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.8480
Rod Bearing(10) NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half	TM-77	CB-481HXN	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.7980
Rod Bearing(10) NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half	TM-77	CB-481HXNK	STD	2.1240/2.1250	0.0014/0.0035	0.0618	2.2500/2.2505	0.7980
Connecting Rod Main Bearing	45 Lbs.Ft. 85 Lbs.Ft.							

FORD

ENGINE DATA							
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				8 CYL (Cont.)			
121 CID (2.0L) Duratec 20 DOHC	2004-2005	3.339in./84.8mmX3.461in./87.9mm	1	281 CID (4.6L) SOHC 24 Valve	2005-2006	3.551in./90.2mmX3.540in./89.9mm	7
1989CC (2.0L) Zetec/DOHC/16 Valve	1995-2003	3.339in./84.8mmX3.461in./87.9mm	2	289 CID (4.7L)	1963-1968	4.000in./101.6mmX2.870in./72.9mm	4
2261CC (2.3L) Duratec 23 DOHC	2003-2005	3.440in./87.4mmX3.700in./94mm	3	302 CID (5.0L)	1968-2001	4.000in./101.6mmX3.000in./76.2mm	8
8 CYL				330 CID (5.4L) OHV	1964-1978	3.875in./98.4mmX3.500in./88.9mm	9
221 CID (3.6L)	1962-1963	3.500in./88.9mmX2.875in./73mm	4	330 CID (5.4L) Triton DOHC Ford Windsor	1999-2002	3.550in./90.1mmX4.165in./105.8mm	10
255 CID (4.2L)	1980-1982	3.680in./93.5mmX3.000in./76.2mm	4	330 CID (5.4L) Triton SOHC 16 Valve Ford	1997-2003	3.551in./90.2mmX4.161in./105.7mm	10
260 CID (4.3L)	1962-1965	3.800in./96.5mmX2.870in./72.9mm	4	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor Supercharged	1999-2003	3.551in./90.2mmX4.165in./105.8mm	10
281 CID (4.6L) DOHC	1993-2004	3.551in./90.2mmX3.542in./90mm	5	351 CID (5.8L) 351C Ford Cleveland	1970-1974	4.000in./101.6mmX3.500in./88.9mm	11
281 CID (4.6L) DOHC Supercharged/Intercooled	2003-2004	3.551in./90.2mmX3.542in./90mm	5				
281 CID (4.6L) SOHC	1991-2004	3.551in./90.2mmX3.542in./90mm	6				



FORD (Cont.)

ENGINE DATA (Cont.)

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
8 CYL (Cont.)				8 CYL (Cont.)			
351 CID (5.8L) 351CJ Ford Cleveland	1971-1972	4.000in./101.6mmX3.500in./88.9mm	11	427 CID (7.0L)	1968	4.233in./107.5mmX3.781in./96mm	9
351 CID (5.8L) 351M	1975-1982	4.000in./101.6mmX3.500in./88.9mm	12	428 CID (7.0L) Cobra Jet	1966-1970	4.130in./104.9mmX3.984in./101.2mm	9
351 CID (5.8L) 351W Ford Windsor	1969-1998	4.000in./101.6mmX3.500in./88.9mm	13	428 CID (7.0L) OHV	1975-1978	4.130in./104.9mmX3.984in./101.2mm	9
352 CID (5.8L)	1964-1967	4.000in./101.6mmX3.500in./88.9mm	9	428 CID (7.0L) Super Cobra Jet	1969-1970	4.130in./104.9mmX3.984in./101.2mm	9
359 CID (5.9L) OHV	1974-1975	4.050in./102.9mmX3.500in./88.9mm	9	428 CID (7.0L)	1966-1968	4.130in./104.9mmX3.984in./101.2mm	9
360 CID (5.9L)	1968-1976	4.050in./102.9mmX3.500in./88.9mm	9	Thunderbird			
361 CID (5.9L) OHV	1964-1978	4.050in./102.9mmX3.500in./88.9mm	9	429 CID (7.0L)	1968-1998	4.360in./110.7mmX3.590in./91.2mm	14
370 CID (6.1L)	1979-1991	4.046in./102.8mmX3.590in./91.2mm	14	460 CID (7.5L)	1968-1998	4.360in./110.7mmX3.850in./97.8mm	14
389 CID (6.4L) OHV	1975-1978	4.050in./102.9mmX3.781in./96mm	9	10 CYL			
390 CID (6.4L) OHV	1964-1976	4.050in./102.9mmX3.781in./96mm	9	415 CID (6.8L) SOHC 20 Valve Ford Windsor	1997-2004	3.550in./90.1mmX4.161in./105.7mm	15
391 CID (6.4L) OHV	1964-1978	4.050in./102.9mmX3.781in./96mm	9				
400 CID (6.6L) OHV	1971-1982	4.000in./101.6mmX4.000in./101.6mm	12				
410 CID (6.7L)	1966-1967	4.050in./102.9mmX3.984in./101.2mm	9				

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
C0AE	3.500in./88.9mm	9	C3AE-F	3.984in./101.2mm	9	C7AE-B	3.781in./96mm	9	C90E	3.500in./88.9mm	13
C1AE-6205A	3.500in./88.9mm	9	C3AE-F	3.781in./96mm	9	C7AE-C	3.984in./101.2mm	9	COME	3.984in./101.2mm	9
C1AE-A	3.500in./88.9mm	9	C3AE-J	2.870in./72.9mm	4	C7TE-A	3.500in./88.9mm	9	D00E-A	3.590in./91.2mm	14
C2AE-B	3.984in./101.2mm	9	C3VE-A	3.984in./101.2mm	9	C7TE-A	3.984in./101.2mm	9	D00E-A	3.850in./97.8mm	14
C2AE-B	3.781in./96mm	9	C3VY-6200A	3.984in./101.2mm	9	C7TE-B	3.500in./88.9mm	9	D00E-A	3.000in./76.2mm	8
C2AE-B	3.500in./88.9mm	9	C5AE-B	3.984in./101.2mm	9	C8DE	2.870in./72.9mm	4	D1AE-A	4.000in./101.6mm	12
C3AE-6200B	3.984in./101.2mm	9	C5AE-B	3.781in./96mm	9	C8VE	3.590in./91.2mm	14	D6VE	3.590in./91.2mm	14
C3AE-6205A	3.984in./101.2mm	9	C5AE-B	3.500in./88.9mm	9	C8VE	3.850in./97.8mm	14	D6VE	3.000in./76.2mm	8
C3AE-B	3.984in./101.2mm	9	C6AE-A	3.984in./101.2mm	9	C8VE	3.000in./76.2mm	8	D9TE	3.590in./91.2mm	14
C3AE-B	3.781in./96mm	9	C6AE-C	3.984in./101.2mm	9	C8VE-A	3.590in./91.2mm	14	D9TE	3.000in./76.2mm	8
C3AE-C	3.984in./101.2mm	9	C6AE-C	3.500in./88.9mm	9	C8VE-A	3.850in./97.8mm	14	D60E	3.500in./88.9mm	13
C3AE-C	3.781in./96mm	9	C6AE-C	3.781in./96mm	9	C8VE-A	3.000in./76.2mm	8	EDC	3.500in./88.9mm	9
C3AE-C	3.500in./88.9mm	9	C6AE-H	3.500in./88.9mm	9	C20E	2.870in./72.9mm	4	RFF1AE6205-AD	3.542in./90mm	6
C3AE-D	2.870in./72.9mm	4	C7AE-B	3.984in./101.2mm	9	C30E-A	3.000in./76.2mm	8			
C3AE-D	3.000in./76.2mm	8	C7AE-B	3.500in./88.9mm	9	C80E-A	3.000in./76.2mm	8			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1J	3.000in./76.2mm	8	2Y	3.850in./97.8mm	14	91K	3.461in./87.9mm	2	C4TZ-B	3.781in./96mm	9
1K	3.500in./88.9mm	12	2YA	3.850in./97.8mm	14	91TM-AA	3.461in./87.9mm	2	C5AE	3.500in./88.9mm	9
1KA	3.500in./88.9mm	12	2YAB	3.850in./97.8mm	14	9166N	3.461in./87.9mm	2	C5AE-A	3.500in./88.9mm	9
1M	2.870in./72.9mm	4	2YABC	3.850in./97.8mm	14	A	3.500in./88.9mm	9	C5AE-C	3.781in./96mm	9
1MA	2.870in./72.9mm	4	3C	3.500in./88.9mm	13	C0AE-B	3.500in./88.9mm	9	C6AE-D	3.500in./88.9mm	9
1U	3.984in./101.2mm	9	3M	3.500in./88.9mm	13	C0E-A	2.870in./72.9mm	4	C6TE-A	3.500in./88.9mm	9
1UA	3.984in./101.2mm	9	3MA	3.500in./88.9mm	13	C20E-A	2.870in./72.9mm	4	C6TE-C	3.781in./96mm	9
1UB	3.984in./101.2mm	9	3Y	3.850in./97.8mm	14	C2OZ	2.875in./73mm	4	C6TE-D	3.500in./88.9mm	9
1V	3.590in./91.2mm	14	3YAB	3.850in./97.8mm	14	C2OZ	2.870in./72.9mm	4	C6TE-E	3.781in./96mm	9
1V	3.000in./76.2mm	8	4U	3.590in./91.2mm	14	C2OZ-B	2.870in./72.9mm	4	C7TE	3.781in./96mm	9
1VA	3.590in./91.2mm	14	4U	3.000in./76.2mm	8	C3AE	3.500in./88.9mm	9	C7TE-A	3.500in./88.9mm	9
1VA	3.000in./76.2mm	8	4UA	3.590in./91.2mm	14	C3AE-A	3.500in./88.9mm	9	C7TE-B	3.781in./96mm	9
1VAB	3.590in./91.2mm	14	4UA	3.000in./76.2mm	8	C3AE-F	2.870in./72.9mm	4	C7TE-E	3.781in./96mm	9
1VAB	3.000in./76.2mm	8	4UAB	3.590in./91.2mm	14	C3AE-G	3.781in./96mm	9	C7TE-EA	3.781in./96mm	9
1YAB	3.590in./91.2mm	14	4UAB	3.000in./76.2mm	8	C3AF-N	2.870in./72.9mm	4	C8AE-A	3.500in./88.9mm	9
1YAB	3.000in./76.2mm	8	4UB	3.590in./91.2mm	14	C30E-B	2.870in./72.9mm	4	C8AE-B	3.781in./96mm	9
2H-A	3.000in./76.2mm	4	4UB	3.000in./76.2mm	8	C3OZ	2.870in./72.9mm	4	C8SE-A	3.590in./91.2mm	14
2J	3.000in./76.2mm	4	5M	4.000in./101.6mm	12	C3OZ-B	2.870in./72.9mm	4	C8SE-A	3.000in./76.2mm	8
2M	3.000in./76.2mm	8	5MA	4.000in./101.6mm	12	C4AE	3.500in./88.9mm	9	C8VE-A	3.850in./97.8mm	14
2MA	3.000in./76.2mm	8	5MAB	4.000in./101.6mm	12	C4AE-A	3.500in./88.9mm	9	C9AE-A	3.590in./91.2mm	14
2MAB	3.000in./76.2mm	8	5MABC	4.000in./101.6mm	12	C4AE-B	3.781in./96mm	9	C9AE-A	3.000in./76.2mm	8
2MAC	3.000in./76.2mm	8	7M	3.500in./88.9mm	13	C4AE-C	3.781in./96mm	9	C9AE-B	3.590in./91.2mm	14
2MAD	3.000in./76.2mm	8	7MA	3.500in./88.9mm	13	C4AE-E	3.781in./96mm	9	C9AE-B	3.000in./76.2mm	8
2MAE	3.000in./76.2mm	8	8M	3.500in./88.9mm	12	C4AE-H	3.781in./96mm	9	C9ZE-A	3.000in./76.2mm	8
2N	3.000in./76.2mm	4	90-21-0	3.461in./87.9mm	2	C4AZ-A	3.781in./96mm	9	C20E-A	2.870in./72.9mm	4
2NA	3.000in./76.2mm	4	90TM-AA	3.461in./87.9mm	2	C4AZ-J	3.781in./96mm	9	C2OZ	2.870in./72.9mm	4
2NAB	3.000in./76.2mm	4	90TM-AB	3.461in./87.9mm	2	C4TE-A	3.500in./88.9mm	9	C2OZ-A	2.870in./72.9mm	4
2NABC	3.000in./76.2mm	4	91A-6303-A	3.461in./87.9mm	2	C4TE-B	3.781in./96mm	9	C30E-B	2.870in./72.9mm	4
2T	3.500in./88.9mm	9	91A-6303-B	3.461in./87.9mm	2	C4TE-D	3.500in./88.9mm	9	C3OZ	2.870in./72.9mm	4
2TA	3.500in./88.9mm	9	91H-6303-B	3.461in./87.9mm	2	C4TZ-A	3.781in./96mm	9	C80E-B	3.000in./76.2mm	8



FORD (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
C90E-A	3.500in./88.9mm	13	D7AE-A	3.500in./88.9mm	12	F1AE-AD-5D	3.542in./90mm	5	H	3.590in./91.2mm	14
D0TE-A	3.500in./88.9mm	9	D9TE-AA	3.590in./91.2mm	14	F1AE-AD-7D	3.542in./90mm	5	H	3.000in./76.2mm	8
D1TE-A	3.500in./88.9mm	9	D9TE-AA	3.000in./76.2mm	8	F1AE-AD-8D	3.542in./90mm	5	RFF1AE6306-AD	3.542in./90mm	6
D1TE-B	3.781in./96mm	9	D9TE-EA	3.590in./91.2mm	14	F1AE-AE	3.542in./90mm	6	SM	3.500in./88.9mm	12
D2TE-A	3.500in./88.9mm	9	D9TE-EA	3.000in./76.2mm	8	F1AE-AE	3.542in./90mm	5	ZYA	3.590in./91.2mm	14
D2TE-AA	3.500in./88.9mm	9	DOTE-A	3.500in./88.9mm	9	F75E-AD	4.161in./105.7mm	10	ZYA	3.000in./76.2mm	8
D2TE-EA	3.781in./96mm	9	EDD	3.500in./88.9mm	9	F181 KE	4.161in./105.7mm	10			
D3TE-AA	3.781in./96mm	9	F1AE-AD	3.542in./90mm	6	GS-M	3.000in./76.2mm	8			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	121 CID (2.0L) Duratec 20 DOHC 4 Cyl (2004-2005)				3.339in./84.8mm x 3.461in./87.9mm			1

Rod Bearing(4)	TM-77	CB-1840H	STD,.026mm,.25mm	1.8496/1.8503	0.0010/0.0020	0.0599	1.9694/1.9702	0.6653
NOTE: H-Series Performance,No Dowel Hole In Cap Half								

Rod Bearing(4)	TM-77	CB-1840HK	STD	1.8496/1.8503	0.0010/0.0020	0.0599	1.9694/1.9702	0.6653
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								

Rod Bearing(4)	TM-77	CB-1840HX	STD	1.8496/1.8503	0.0020/0.0030	0.0594	1.9694/1.9702	0.6653
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								

Rod Bearing(4)	TM-77	CB-1840HXX	STD	1.8496/1.8503	0.0020/0.0030	0.0594	1.9694/1.9702	0.6653
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								

2	1989CC (2.0L) Zetec/DOHC/16 Valve 4 Cyl (1995-2003)				3.339in./84.8mm x 3.461in./87.9mm			2

Rod Bearing(4)	TM-77	CB-1774H	STD,.026mm,.25mm	1.8461/1.8468	0.0008/0.0017	0.0585	1.9642/1.9650	0.8020
NOTE: H-Series Performance,No Dowel Hole In Cap Half								

Rod Bearing(4)	TM-77	CB-1774HX	STD	1.8461/1.8468	0.0018/0.0027	0.0580	1.9642/1.9650	0.8020
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								

Main Bearing Set	TM-77	MS-2208H	STD,.026mm,.25mm	2.2827/2.2834	0.0003/0.0016	0.0842	2.4522/2.4528	0.7710
1-2-4-5		MB-3753H		2.2827/2.2834	0.0007/0.0030	0.0842	2.4522/2.4528	0.9730
3		MB-3754H(F)						
NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves								

Main Bearing Set	TM-77	MS-2208HX	STD	2.2827/2.2834	0.0013/0.0026	0.0837	2.4522/2.4528	0.7710
1-2-4-5		MB-3753HX		2.2827/2.2834	0.0017/0.0040	0.0837	2.4522/2.4528	0.9730
3		MB-3754HX(F)						
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								

C/S Forging 91K, 9166N, 90-21-0, 90TM-AA, 90TM-AB, 91TM-AA, 91A-6303-A, 91A-6303-B, 91H-6303-B

3	2261CC (2.3L) Duratec 23 DOHC 4 Cyl (2003-2005)				3.440in./87.4mm x 3.700in./94mm			3

Rod Bearing(4)	TM-77	CB-1838H	STD,.026mm,.25mm	1.9677/1.9685	0.0010/0.0020	0.0598	2.0875/2.0883	0.6653
NOTE: H-Series Performance,No Dowel Hole In Cap Half								

Rod Bearing(4)	TM-77	CB-1838HK	STD	1.9677/1.9685	0.0010/0.0020	0.0598	2.0875/2.0883	0.6653
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								

Rod Bearing(4)	TM-77	CB-1838HX	STD	1.9677/1.9685	0.0020/0.0030	0.0593	2.0875/2.0883	0.6653
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								

Rod Bearing(4)	TM-77	CB-1838HXX	STD	1.9677/1.9685	0.0020/0.0030	0.0593	2.0875/2.0883	0.6653
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								

8 CYL

4	221 CID (3.6L) V8 Cyl (1962-1963)				3.500in./88.9mm x 2.875in./73mm			4
	255 CID (4.2L) V8 Cyl (1980-1982)				3.680in./93.5mm x 3.000in./76.2mm			
	260 CID (4.3L) V8 Cyl (1962-1965)				3.800in./96.5mm x 2.870in./72.9mm			
	289 CID (4.7L) V8 Cyl (1963-1968)				4.000in./101.6mm x 2.870in./72.9mm			

Rod Bearing(8)	TM-77	CB-634H	STD,1,10	2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.7260
NOTE: H-Series Performance,No Dowel Hole In Cap Half To Be Replaced By CB-634HN								



FORD (Cont.)

FORD (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
4 (Cont.)	221 CID (3.6L) V8 Cyl (1962-1963)				3.500in./88.9mm x 2.875in./73mm				4 (Cont.)
	255 CID (4.2L) V8 Cyl (1980-1982)				3.680in./93.5mm x 3.000in./76.2mm				
	260 CID (4.3L) V8 Cyl (1962-1965)				3.800in./96.5mm x 2.870in./72.9mm				
	289 CID (4.7L) V8 Cyl (1963-1968)				4.000in./101.6mm x 2.870in./72.9mm				
Rod Bearing(8) TM-77 CB-634HD STD,10 NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-634HND				2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.7260	
Rod Bearing(8) TM-77 CB-634HK STD,1,10 NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half To Be Replaced By CB-634HND				2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.7260	
Rod Bearing(8) TM-77 CB-634HN STD,1,9,10,11 NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half				2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.6810	
Rod Bearing(8) TM-77 CB-634HND STD,10 NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance				2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.6810	
Rod Bearing(8) TM-77 CB-634HND STD,1,10 NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half				2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.6810	
Rod Bearing(8) TM-77 CB-634HX STD NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half To Be Replaced By CB-634HXN				2.1228/2.1236	0.0016/0.0038	0.0570	2.2390/2.2398	0.7260	
Rod Bearing(8) TM-77 CB-634HXK STD NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half To Be Replaced By CB-634HXNK				2.1228/2.1236	0.0016/0.0038	0.0570	2.2390/2.2398	0.7260	
Rod Bearing(8) TM-77 CB-634HXN STD NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half				2.1228/2.1236	0.0016/0.0038	0.0570	2.2390/2.2398	0.6810	
Rod Bearing(8) TM-77 CB-634HXNK STD NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half				2.1228/2.1236	0.0016/0.0038	0.0570	2.2390/2.2398	0.6810	
Rod Bearing(8) VP-2 CB-634V STD,1,10 NOTE: V-Series Performance,No Dowel Hole In Cap Half				2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.7260	
Rod Bearing(8) TM-77 CB-948P STD NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod				2.1228/2.1236	0.0023/0.0049	0.0568	2.2390/2.2398	0.7260	
Rod Bearing(8) TM-77 CB-949P STD,10 NOTE: P-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod				2.1228/2.1236	0.0013/0.0039	0.0573	2.2390/2.2398	0.7260	
Main Bearing Set TM-77 MS-590H STD,1,9,10,11 1-2-4-5 MB-2121H 3 MB-2122H(F) NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves				2.2482/2.2490 2.2482/2.2490	0.0006/0.0028 0.0006/0.0028	0.0957 0.0957	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330	
Main Bearing Set TM-77 MS-590HK STD,1,10 1-2-4-5 MB-2121H 3 MB-2122H(F) NOTE: H-Series Performance With TriArmor™,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness				2.2482/2.2490 2.2482/2.2490	0.0006/0.0028 0.0006/0.0028	0.0957 0.0957	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330	
Main Bearing Set TM-77 MS-590HX STD 1-2-4-5 MB-2121HX 3 MB-2122HX(F) NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves				2.2482/2.2490 2.2482/2.2490	0.0016/0.0038 0.0016/0.0038	0.0952 0.0952	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330	

High Performance/Race



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
4 (Cont.)	221 CID (3.6L) V8 Cyl (1962-1963)			3.500in./88.9mm x 2.875in./73mm				4 (Cont.)
	255 CID (4.2L) V8 Cyl (1980-1982)			3.680in./93.5mm x 3.000in./76.2mm				
	260 CID (4.3L) V8 Cyl (1962-1965)			3.800in./96.5mm x 2.870in./72.9mm				
	289 CID (4.7L) V8 Cyl (1963-1968)			4.000in./101.6mm x 2.870in./72.9mm				
Main Bearing Set	TM-77	MS-590HXX	STD					
1-2-4-5		MB-2121HX		2.2482/2.2490	0.0016/0.0038	0.0952	2.4412/2.4420	0.8900
3		MB-2122HX(F)		2.2482/2.2490	0.0016/0.0038	0.0952	2.4412/2.4420	1.1330
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005″ Thinner For .0010″ More Oil Clearance,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set	VP-2	MS-590V	STD,1,10,20					
1-2-4-5		MB-2121V		2.2482/2.2490	0.0004/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122V(F)		2.2482/2.2490	0.0004/0.0026	0.0960	2.4412/2.4420	1.1330
NOTE: V-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	VP-2	MS-590VG	STD,1					
1-2-4-5		MB-2121VG		2.2482/2.2490	0.0004/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122VG(F)		2.2482/2.2490	0.0004/0.0026	0.0960	2.4412/2.4420	1.1330
NOTE: V-Series Performance,Contains Full Grooved Bearings								
Main Bearing Set	VP-2	MS-590VX	STD					
1-2-4-5		MB-2121VX		2.2482/2.2490	0.0014/0.0036	0.0955	2.4412/2.4420	0.8900
3		MB-2122VX(F)		2.2482/2.2490	0.0014/0.0036	0.0955	2.4412/2.4420	1.1330
NOTE: V-Series Performance,Bearing Walls .0005″ Thinner For .0010″ More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Cam Bearing Set	B-1	SH-510S	STD,10					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Cam Bearing Set	AL-3	SH-1321S	STD					
1		SH-1321		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-1322		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-1323		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-1324		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-1325		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
NOTE: High Strength Material								
Rod Forging	C20E, C8DE, C3AE-D, C3AE-J							
C/S Forging	1M, 2J, 2N, 1MA, 2NA, 2H-A, 2NAB, C20Z, C2OZ, C30Z, C3OZ, 2NABC, C0E-A, C20E-A, C20Z-A, C20E-A, C2OZ-B, C30E-B, C3AE-F, C3AF-N, C30E-B, C3OZ-B							
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
5	281 CID (4.6L) DOHC V8 Cyl (1993-2004)			3.551in./90.2mm x 3.542in./90mm				5
	281 CID (4.6L) DOHC Supercharged/Intercooled V8 Cyl (2003-2004)			3.551in./90.2mm x 3.542in./90mm				
Rod Bearing(8)	TM-77	CB-1442H	STD,.026mm,.23mm,.25mm,.28mm	2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1442HK	STD	2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1442HX	STD	2.0859/2.0867	0.0021/0.0033	0.0754	2.2388/2.2396	0.8270
NOTE: H-Series Performance,Bearing Walls .0005″ Thinner For .0010″ More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1442HXX	STD	2.0859/2.0867	0.0021/0.0033	0.0754	2.2388/2.2396	0.8270
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005″ Thinner For .0010″ More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-2198H	STD,.026mm,.25mm					
1-2-3-4		MB-3772H		2.6568/2.6576	0.0005/0.0025	0.0967	2.8505/2.8512	0.7500
5		MB-3773H(F)		2.6568/2.6576	0.0005/0.0025	0.0967	2.8505/2.8512	0.8910
5		MB-3139W						0.1151
NOTE: H-Series Performance,Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position,Grooved Upper Halves Plain Lower Halves								



FORD (Cont.)

FORD (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
5 (Cont.)	281 CID (4.6L) DOHC V8 Cyl (1993-2004)			3.551in./90.2mm x 3.542in./90mm					5 (Cont.)
	281 CID (4.6L) DOHC Supercharged/Intercooled V8 Cyl (2003-2004)			3.551in./90.2mm x 3.542in./90mm					
Main Bearing Set 1-2-3-4 5 5	TM-77	MS-2198HK MB-3772HK MB-3773HK(F) MB-3139W	STD,.026mm,.25mm	2.6568/2.6576 2.6568/2.6576	0.0005/0.0025 0.0005/0.0025	0.0967 0.0967	2.8505/2.8512 2.8505/2.8512	0.7500 0.8910 0.1151	
NOTE: H-Series Performance With TriArmor™,Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness									
Main Bearing Set 1-2-3-4 5 5	TM-77	MS-2198HX MB-3772HX MB-3773HX(F) MB-3139W	STD	2.6568/2.6576 2.6568/2.6576	0.0015/0.0035 0.0015/0.0035	0.0962 0.0962	2.8505/2.8512 2.8505/2.8512	0.7500 0.8910 0.1151	
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position,Grooved Upper Halves Plain Lower Halves									
Main Bearing Set 1-2-3-4 5 5	TM-77	MS-2198HXX MB-3772HXX MB-3773HXX(F) MB-3139W	STD	2.6568/2.6576 2.6568/2.6576	0.0015/0.0035 0.0015/0.0035	0.0962 0.0962	2.8505/2.8512 2.8505/2.8512	0.7500 0.8910 0.1151	
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness									
C/S Forging F1AE-AE, F1AE-AD-5D, F1AE-AD-7D, F1AE-AD-8D									
6	281 CID (4.6L) SOHC V8 Cyl (1991-2004)			3.551in./90.2mm x 3.542in./90mm					6
Rod Bearing(8) NOTE: H-Series Performance,No Dowel Hole In Cap Half	TM-77	CB-1442H	STD,.026mm,.23mm,.25mm,.28mm	2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270	
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half	TM-77	CB-1442HK	STD	2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270	
Rod Bearing(8) NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half	TM-77	CB-1442HX	STD	2.0859/2.0867	0.0021/0.0033	0.0754	2.2388/2.2396	0.8270	
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half	TM-77	CB-1442HXX	STD	2.0859/2.0867	0.0021/0.0033	0.0754	2.2388/2.2396	0.8270	
Main Bearing Set 1-2-3-4 5 5	TM-77	MS-2007H MB-3139H MB-3140H(F) MB-3139W	STD,.026mm,.25mm	2.6567/2.6577 2.6567/2.6577	0.0005/0.0025 0.0005/0.0025	0.0962 0.0962	2.8504/2.8513 2.8504/2.8513	0.7580 0.8900 0.1151	
NOTE: H-Series Performance,Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position,Grooved Upper Halves Plain Lower Halves									
Main Bearing Set 1-2-3-4 5 5	TM-77	MS-2007HK MB-3139HK MB-3140HK(F) MB-3139W	STD,.026mm,.25mm	2.6567/2.6577 2.6567/2.6577	0.0005/0.0025 0.0005/0.0025	0.0962 0.0962	2.8504/2.8513 2.8504/2.8513	0.7580 0.8900 0.1151	
NOTE: H-Series Performance With TriArmor™,Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness									
Main Bearing Set 1-2-3-4 5 5	TM-77	MS-2007HX MB-3139HX MB-3140HX(F) MB-3139W	STD	2.6567/2.6577 2.6567/2.6577	0.0015/0.0035 0.0015/0.0025	0.0957 0.0957	2.8504/2.8513 2.8504/2.8513	0.7580 0.8900 0.1151	
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position,Grooved Upper Halves Plain Lower Halves									

High Performance/Race



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
6 (Cont.)	281 CID (4.6L) SOHC V8 Cyl (1991-2004)			3.551in./90.2mm x 3.542in./90mm				6 (Cont.)
Main Bearing Set 1-2-3-4 5 5	TM-77	MS-2007HXX MB-3139HXX MB-3140HXX(F) MB-3139W	STD	2.6567/2.6577 2.6567/2.6577	0.0015/0.0035 0.0015/0.0025	0.0957 0.0957	2.8504/2.8513 2.8504/2.8513	0.7580 0.8900 0.1151
NOTE: H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position, Grooved Upper Halves Plain Lower Halves, Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set 1-2-3-4 5 5	TM-77	MS-2198H MB-3772H MB-3773H(F) MB-3139W	STD, .026mm, .25mm	2.6568/2.6576 2.6568/2.6576	0.0005/0.0025 0.0005/0.0025	0.0967 0.0967	2.8505/2.8512 2.8505/2.8512	0.7500 0.8910 0.1151
NOTE: 2002-2004, VIN W, Aluminum Block, Romeo Engine, H-Series Performance, Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position, Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-3-4 5 5	TM-77	MS-2198HK MB-3772HK MB-3773HK(F) MB-3139W	STD, .026mm, .25mm	2.6568/2.6576 2.6568/2.6576	0.0005/0.0025 0.0005/0.0025	0.0967 0.0967	2.8505/2.8512 2.8505/2.8512	0.7500 0.8910 0.1151
NOTE: 2002-2004, VIN W, Aluminum Block, Romeo Engine, H-Series Performance With TriArmor™, Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position, Grooved Upper Halves Plain Lower Halves, Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set 1-2-3-4 5 5	TM-77	MS-2198HX MB-3772HX MB-3773HX(F) MB-3139W	STD	2.6568/2.6576 2.6568/2.6576	0.0015/0.0035 0.0015/0.0035	0.0962 0.0962	2.8505/2.8512 2.8505/2.8512	0.7500 0.8910 0.1151
NOTE: 2002-2004, VIN W, Aluminum Block, Romeo Engine, H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position, Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-3-4 5 5	TM-77	MS-2198HXX MB-3772HXX MB-3773HXX(F) MB-3139W	STD	2.6568/2.6576 2.6568/2.6576	0.0015/0.0035 0.0015/0.0035	0.0962 0.0962	2.8505/2.8512 2.8505/2.8512	0.7500 0.8910 0.1151
NOTE: 2002-2004, VIN W, Aluminum Block, Romeo Engine, H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position, Grooved Upper Halves Plain Lower Halves, Maximum Wall Does Not Include Coating Thickness								
Rod Forging C/S Forging	RFF1AE6205-AD F1AE-AD, F1AE-AE, RFF1AE6306-AD							
Connecting Rod	23 Lbs.Ft. Plus 90 Degrees							
Main Bearing	24 Lbs.Ft. Plus 90 Degrees (1991-2004,)							
7	281 CID (4.6L) SOHC 24 Valve V8 Cyl (2005-2006)			3.551in./90.2mm x 3.540in./89.9mm				7
Rod Bearing(8) NOTE: H-Series Performance, No Dowel Hole In Cap Half	TM-77	CB-1442H	STD, .026mm, .23mm, .25mm, .28mm	2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™, Maximum Wall Does Not Include Coating Thickness, No Dowel Hole In Cap Half	TM-77	CB-1442HK	STD	2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270
Rod Bearing(8) NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, No Dowel Hole In Cap Half	TM-77	CB-1442HX	STD	2.0859/2.0867	0.0021/0.0033	0.0754	2.2388/2.2396	0.8270
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Maximum Wall Does Not Include Coating Thickness, No Dowel Hole In Cap Half	TM-77	CB-1442HXX	STD	2.0859/2.0867	0.0021/0.0033	0.0754	2.2388/2.2396	0.8270



FORD (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
7 (Cont.)	281 CID (4.6L) SOHC 24 Valve V8 Cyl (2005-2006)			3.551in./90.2mm x 3.540in./89.9mm				7 (Cont.)
Main Bearing Set	TM-77	MS-2259H	STD,.026mm,.25mm					
1-5		MB-3841H		2.6567/2.6577	0.0003/0.0028	0.0962	2.8504/2.8513	0.7220
2-3-4		MB-3139H		2.6567/2.6577	0.0005/0.0025	0.0962	2.8504/2.8513	0.7580
5		MB-3842H(F)		2.6567/2.6577	0.0003/0.0028	0.0962	2.8504/2.8513	0.8910
5		MB-3139W						0.1151
NOTE: H-Series Performance,Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-2259HX	STD					
1-5		MB-3841HX		2.6567/2.6577	0.0013/0.0038	0.0957	2.8504/2.8513	0.7220
2-3-4		MB-3139HX		2.6567/2.6577	0.0015/0.0035	0.0957	2.8504/2.8513	0.7580
5		MB-3842HX(F)		2.6567/2.6577	0.0013/0.0038	0.0957	2.5804/2.5813	0.8910
5		MB-3139W						0.1151
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position,Grooved Upper Halves Plain Lower Halves								
8	302 CID (5.0L) V8 Cyl (1968-2001)			4.000in./101.6mm x 3.000in./76.2mm				8
Rod Bearing(8)	TM-77	CB-634H	STD,1,10	2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.7260
NOTE: H-Series Performance,No Dowel Hole In Cap Half To Be Replaced By CB-634HN								
Rod Bearing(8)	TM-77	CB-634HD	STD,10	2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.7260
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-634HND								
Rod Bearing(8)	TM-77	CB-634HK	STD,1,10	2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.7260
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half To Be Replaced By CB-634HNK								
Rod Bearing(8)	TM-77	CB-634HN	STD,1,9,10,11	2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.6810
NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-634HND	STD,10	2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.6810
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-634HNK	STD,1,10	2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.6810
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-634HX	STD	2.1228/2.1236	0.0016/0.0038	0.0570	2.2390/2.2398	0.7260
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half To Be Replaced By CB-634HXN								
Rod Bearing(8)	TM-77	CB-634HXX	STD	2.1228/2.1236	0.0016/0.0038	0.0570	2.2390/2.2398	0.7260
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half To Be Replaced By CB-634HXNK								
Rod Bearing(8)	TM-77	CB-634HXN	STD	2.1228/2.1236	0.0016/0.0038	0.0570	2.2390/2.2398	0.6810
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-634HXNK	STD	2.1228/2.1236	0.0016/0.0038	0.0570	2.2390/2.2398	0.6810
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-634V	STD,1,10	2.1228/2.1236	0.0006/0.0028	0.0575	2.2390/2.2398	0.7260
NOTE: V-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-948P	STD	2.1228/2.1236	0.0023/0.0049	0.0568	2.2390/2.2398	0.7260
NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								

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FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
8 (Cont.)	302 CID (5.0L) V8 Cyl (1968-2001)				4.000in./101.6mm x 3.000in./76.2mm			8 (Cont.)
Rod Bearing(8)	TM-77	CB-949P	STD,10	2.1228/2.1236	0.0013/0.0039	0.0573	2.2390/2.2398	0.7260
NOTE: P-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Main Bearing Set	TM-77	MS-590H	STD,1,9,10,11					
1-2-4-5		MB-2121H		2.2482/2.2490	0.0006/0.0028	0.0957	2.4412/2.4420	0.8900
3		MB-2122H(F)		2.2482/2.2490	0.0006/0.0028	0.0957	2.4412/2.4420	1.1330
NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-590HK	STD,1,10					
1-2-4-5		MB-2121H		2.2482/2.2490	0.0006/0.0028	0.0957	2.4412/2.4420	0.8900
3		MB-2122H(F)		2.2482/2.2490	0.0006/0.0028	0.0957	2.4412/2.4420	1.1330
NOTE: H-Series Performance With TriArmor™,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set	TM-77	MS-590HX	STD					
1-2-4-5		MB-2121HX		2.2482/2.2490	0.0016/0.0038	0.0952	2.4412/2.4420	0.8900
3		MB-2122HX(F)		2.2482/2.2490	0.0016/0.0038	0.0952	2.4412/2.4420	1.1330
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-590HXX	STD					
1-2-4-5		MB-2121HX		2.2482/2.2490	0.0016/0.0038	0.0952	2.4412/2.4420	0.8900
3		MB-2122HX(F)		2.2482/2.2490	0.0016/0.0038	0.0952	2.4412/2.4420	1.1330
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set	VP-2	MS-590V	STD,1,10,20					
1-2-4-5		MB-2121V		2.2482/2.2490	0.0004/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122V(F)		2.2482/2.2490	0.0004/0.0026	0.0960	2.4412/2.4420	1.1330
NOTE: V-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	VP-2	MS-590VG	STD,1					
1-2-4-5		MB-2121VG		2.2482/2.2490	0.0004/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122VG(F)		2.2482/2.2490	0.0004/0.0026	0.0960	2.4412/2.4420	1.1330
NOTE: V-Series Performance,Contains Full Grooved Bearings								
Main Bearing Set	VP-2	MS-590VX	STD					
1-2-4-5		MB-2121VX		2.2482/2.2490	0.0014/0.0036	0.0955	2.4412/2.4420	0.8900
3		MB-2122VX(F)		2.2482/2.2490	0.0014/0.0036	0.0955	2.4412/2.4420	1.1330
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Cam Bearing Set	B-1	SH-510S	STD,10					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Cam Bearing Set	AL-3	SH-1321S	STD					
1		SH-1321		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-1322		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-1323		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-1324		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-1325		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
NOTE: High Strength Material								
Cam Bearing Set	TM-1	SH-1763S	STD					
1-2-3-4-5		SH-1763		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
NOTE: SVO Engines With 2.2041/2.2051" Housing Bore Size								
Rod Forging	C8VE, D6VE, D9TE, C30E-A, C3AE-D, C80E-A, C8VE-A, D00E-A							
C/S Forging	H, 1J, 1V, 2M, 4U, 1VA, 2MA, 4UA, 4UB, ZYA, 1VAB, 1YAB, 2MAB, 2MAC, 2MAD, 2MAE, 4UAB, GS-M, C80E-B, C8SE-A, C9AE-A, C9AE-B, C9ZE-A, D9TE-AA, D9TE-EA							
Connecting Rod	19 To 24 Lbs.Ft. (1991-2004,)							
Main Bearing	60 To 70 Lbs.Ft.							



FORD (Cont.)

FORD (Cont.)										
COUNTER DATA				SHOP DATA						
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length		
8 CYL (Cont.)										
9	330 CID (5.4L) OHV V8 Cyl (1964-1978)			3.875in./98.4mm x 3.500in./88.9mm						9
	352 CID (5.8L) V8 Cyl (1964-1967)			4.000in./101.6mm x 3.500in./88.9mm						
	359 CID (5.9L) OHV V8 Cyl (1974-1975)			4.050in./102.9mm x 3.500in./88.9mm						
	360 CID (5.9L) V8 Cyl (1968-1976)			4.050in./102.9mm x 3.500in./88.9mm						
	361 CID (5.9L) OHV V8 Cyl (1964-1978)			4.050in./102.9mm x 3.500in./88.9mm						
	389 CID (6.4L) OHV V8 Cyl (1975-1978)			4.050in./102.9mm x 3.781in./96mm						
	390 CID (6.4L) OHV V8 Cyl (1964-1976)			4.050in./102.9mm x 3.781in./96mm						
	391 CID (6.4L) OHV V8 Cyl (1964-1978)			4.050in./102.9mm x 3.781in./96mm						
	410 CID (6.7L) V8 Cyl (1966-1967)			4.050in./102.9mm x 3.984in./101.2mm						
	427 CID (7.0L) V8 Cyl (1968)			4.233in./107.5mm x 3.781in./96mm						
	428 CID (7.0L) Cobra Jet V8 Cyl (1966-1970)			4.130in./104.9mm x 3.984in./101.2mm						
	428 CID (7.0L) OHV V8 Cyl (1975-1978)			4.130in./104.9mm x 3.984in./101.2mm						
	428 CID (7.0L) Super Cobra Jet V8 Cyl (1969-1970)			4.130in./104.9mm x 3.984in./101.2mm						
428 CID (7.0L) Thunderbird V8 Cyl (1966-1968)			4.130in./104.9mm x 3.984in./101.2mm							
Rod Bearing(8) TM-77 CB-952P STD,10,20 NOTE: P-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod				2.4380/2.4388	0.0010/0.0041	0.0757	2.5907/2.5915	0.7340		
Main Bearing Set TM-77 MS-863P STD,1,10,20,30,40 1-2-4-5 MB-2441P 3 MB-2442P(F) NOTE: Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings				2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0005/0.0032	0.0961 0.0961	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180		
Cam Bearing Set B-1 SH-781S STD 1 SH-781 2 SH-377 3 SH-378 4 SH-379 5 SH-380 NOTE: Except 427 Wedge Head				2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0919 0.0844 0.0769 0.0694 0.0619	2.3095/2.3105 2.2945/2.2955 2.2795/2.2805 2.2645/2.2655 2.2495/2.2505	0.6300 0.6300 0.6300 0.6300 0.5700		
Rod Forging EDC, C0AE, COME, C1AE-A, C2AE-B, C3AE-B, C3AE-C, C3AE-F, C3VE-A, C5AE-B, C6AE-A, C6AE-C, C6AE-H, C7AE-B, C7AE-C, C7TE-A, C7TE-B, C/S Forging C1AE-6205A, C3AE-6200B, C3AE-6205A, C3VY-6200A A, 1U, 2T, 1UA, 1UB, 2TA, EDD, C3AE, C4AE, C5AE, C7TE, C0AE-B, C3AE-A, C3AE-G, C4AE-A, C4AE-B, C4AE-C, C4AE-E, C4AE-H, C4AZ-A, C4AZ-J, C4TE-A, C4TE-B, C4TE-D, C4TZ-A, C4TZ-B, C5AE-A, C5AE-C, C6AE-D, C6TE-A, C6TE-C, C6TE-D, C6TE-E, C7TE-A, C7TE-B, C7TE-E, C8AE-A, C8AE-B, D0TE-A, D1TE-A, D1TE-B, D2TE-A, D0TE-A, C7TE-EA, D2TE-AA, D2TE-EA, D3TE-AA										
Connecting Rod 40 To 45 Lbs.Ft. (330 CID (5.4L) OHV,352 CID (5.8L) ,359 CID (5.9L) OHV,360 CID (5.9L) ,361 CID (5.9L) OHV,389 CID (6.4L) OHV,390 CID (6.4L) OHV,391 CID (6.4L) OHV,410 CID (6.7L) ,428 CID (7.0L) Cobra Jet,428 CID (7.0L) OHV,428 CID (7.0L) Super Cobra Jet,428 CID (7.0L) Thunderbird) Connecting Rod 53 To 58 Lbs.Ft. (427 CID (7.0L)) Main Bearing 95 To 105 Lbs.Ft.										
10	330 CID (5.4L) Triton DOHC Ford Windsor V8 Cyl (1999-2002)			3.550in./90.1mm x 4.165in./105.8mm						10
	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor V8 Cyl (1997-2003)			3.551in./90.2mm x 4.161in./105.7mm						
	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor Supercharged V8 Cyl (1999-2003)			3.551in./90.2mm x 4.165in./105.8mm						
Rod Bearing(8) TM-77 CB-1442H STD,.026mm,.23mm,.25mm,.28mm NOTE: H-Series Performance,No Dowel Hole In Cap Half				2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270		
Rod Bearing(8) TM-77 CB-1442HK STD NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half				2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270		
Rod Bearing(8) TM-77 CB-1442HX STD NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half				2.0859/2.0867	0.0021/0.0033	0.0754	2.2388/2.2396	0.8270		
Rod Bearing(8) TM-77 CB-1442HXX STD NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half				2.0859/2.0867	0.0021/0.0033	0.0754	2.2388/2.2396	0.8270		
C/S Forging F181 KE, F75E-AD										
11	351 CID (5.8L) 351C Ford Cleveland V8 Cyl (1970-1974)			4.000in./101.6mm x 3.500in./88.9mm						11
	351 CID (5.8L) 351CJ Ford Cleveland V8 Cyl (1971-1972)			4.000in./101.6mm x 3.500in./88.9mm						
Rod Bearing(8) TM-77 CB-927H STD,10 NOTE: H-Series Performance,No Dowel Hole In Cap Half To Be Replaced By CB-927HN				2.3103/2.3111	0.0005/0.0024	0.0624	2.4361/2.4369	0.7260		
Rod Bearing(8) TM-77 CB-927HN STD,10 NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half				2.3103/2.3111	0.0005/0.0024	0.0624	2.4361/2.4369	0.6760		

High Performance/Race



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
11 (Cont.)	351 CID (5.8L) 351C Ford Cleveland V8 Cyl (1970-1974)			4.000in./101.6mm x 3.500in./88.9mm				11 (Cont.)
	351 CID (5.8L) 351CJ Ford Cleveland V8 Cyl (1971-1972)			4.000in./101.6mm x 3.500in./88.9mm				
Rod Bearing(8)	TM-77	CB-927HNK	STD,10	2.3103/2.3111	0.0005/0.0024	0.0624	2.4361/2.4369	0.6760
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-927V	STD,10	2.3103/2.3111	0.0005/0.0024	0.0624	2.4361/2.4369	0.7260
NOTE: V-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-961P	STD	2.3103/2.3111	0.0015/0.0041	0.0620	2.4361/2.4369	0.7260
NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-962P	STD,10,20	2.3103/2.3111	0.0005/0.0031	0.0625	2.4361/2.4369	0.7260
NOTE: P-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Main Bearing Set	TM-77	MS-1010H	STD,1,10					
1-2-4-5		MB-2560H		2.7484/2.7492	0.0003/0.0025	0.0961	2.9417/2.9425	0.8800
3		MB-2561H(F)		2.7484/2.7492	0.0003/0.0025	0.0962	2.9417/2.9425	1.1180
NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-1010HK	STD,1,10					
1-2-4-5		MB-2560HK		2.7484/2.7492	0.0003/0.0025	0.0961	2.9417/2.9425	0.8800
3		MB-2561HK(F)		2.7484/2.7492	0.0003/0.0025	0.0962	2.9417/2.9425	1.1180
NOTE: H-Series Performance With TriArmor™,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set	TM-77	MS-1010HX	STD					
1-2-4-5		MB-2560HX		2.7484/2.7492	0.0013/0.0035	0.0956	2.9417/2.9425	0.8800
3		MB-2561HX(F)		2.7484/2.7492	0.0013/0.0035	0.0957	2.9417/2.9425	1.1180
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-1010HXX	STD					
1-2-4-5		MB-2560HXX		2.7484/2.7492	0.0013/0.0035	0.0956	2.9417/2.9425	
3		MB-2561HXX(F)		2.7484/2.7492	0.0013/0.0035	0.0957	2.9417/2.9425	1.1180
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set	VP-2	MS-1010V	STD					
1-2-4-5		MB-2560V		2.7484/2.7492	0.0003/0.0025	0.0961	2.9417/2.9425	0.8800
3		MB-2561V(F)		2.7484/2.7492	0.0003/0.0025	0.0962	2.9417/2.9425	1.1180
NOTE: V-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	VP-2	MS-1010VG	STD,1					
1-2-4-5		MB-2560VG		2.7484/2.7492	0.0003/0.0025	0.0961	2.9417/2.9425	0.8800
3		MB-2561VG(F)		2.7484/2.7492	0.0003/0.0025	0.0962	2.9417/2.9425	1.1180
NOTE: V-Series Performance,Contains Full Grooved Bearings								
Cam Bearing Set	B-1	SH-710S	STD,10					
1		SH-710		2.1240/2.1250	0.0005/0.0045	0.0619	2.2495/2.2505	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Cam Bearing Set	TM-1	SH-1763S	STD					
1-2-3-4-5		SH-1763		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
NOTE: SVO Engines With 2.2041/2.2051" Housing Bore Size								
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
12	351 CID (5.8L) 351M V8 Cyl (1975-1982)			4.000in./101.6mm x 3.500in./88.9mm				12
	400 CID (6.6L) OHV V8 Cyl (1971-1982)			4.000in./101.6mm x 4.000in./101.6mm				
Rod Bearing(8)	TM-77	CB-927H	STD,10	2.3103/2.3111	0.0005/0.0024	0.0624	2.4361/2.4369	0.7260
NOTE: H-Series Performance,No Dowel Hole In Cap Half To Be Replaced By CB-927HN								
Rod Bearing(8)	TM-77	CB-927HN	STD,10	2.3103/2.3111	0.0005/0.0024	0.0624	2.4361/2.4369	0.6760
NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								



FORD (Cont.)

COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
12 (Cont.)	351 CID (5.8L) 351M V8 Cyl (1975-1982)				4.000in./101.6mm x 3.500in./88.9mm				12 (Cont.)
	400 CID (6.6L) OHV V8 Cyl (1971-1982)				4.000in./101.6mm x 4.000in./101.6mm				
Rod Bearing(8)	TM-77	CB-927HNK	STD,10	2.3103/2.3111	0.0005/0.0024	0.0624	2.4361/2.4369	0.6760	
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half									
Rod Bearing(8)	VP-2	CB-927V	STD,10	2.3103/2.3111	0.0005/0.0024	0.0624	2.4361/2.4369	0.7260	
NOTE: V-Series Performance,No Dowel Hole In Cap Half									
Rod Bearing(8)	TM-77	CB-961P	STD	2.3103/2.3111	0.0015/0.0041	0.0620	2.4361/2.4369	0.7260	
NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod									
Rod Bearing(8)	TM-77	CB-962P	STD,10,20	2.3103/2.3111	0.0005/0.0031	0.0625	2.4361/2.4369	0.7260	
NOTE: P-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod									
Main Bearing Set	TM-77	MS-1432H	STD,1,9,10,11						
1-2-4-5		MB-2754H		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400	
3		MB-2558H(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330	
NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves									
Main Bearing Set	TM-77	MS-1432HK	STD,1,10						
1-2-4-5		MB-2754H		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400	
3		MB-2558H(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330	
NOTE: H-Series Performance With TriArmor™,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness									
Main Bearing Set	TM-77	MS-1432HX	STD						
1-2-4-5		MB-2754HX		2.9994/3.0002	0.0015/0.0039	0.0955	3.1922/3.1930	0.8400	
3		MB-2558HX(F)		2.9994/3.0002	0.0015/0.0039	0.0955	3.1922/3.1930	1.1330	
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves									
Main Bearing Set	TM-77	MS-1432HXX	STD						
1-2-4-5		MB-2754HX		2.9994/3.0002	0.0015/0.0039	0.0955	3.1922/3.1930	0.8400	
3		MB-2558HX(F)		2.9994/3.0002	0.0015/0.0039	0.0955	3.1922/3.1930	1.1330	
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness									
Cam Bearing Set	B-1	SH-710S	STD,10						
1		SH-710		2.1240/2.1250	0.0005/0.0045	0.0619	2.2495/2.2505	0.6700	
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700	
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700	
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700	
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700	
Rod Forging	D1AE-A								
C/S Forging	1K, 5M, 8M, SM, 1KA, 5MA, 5MAB, 5MABC, D7AE-A								
Connecting Rod	40 To 45 Lbs.Ft.								
Main Bearing	35 To 45 Lbs.Ft. (3/8" Bolts)								
Main Bearing	95 To 105 Lbs.Ft. (1/2" Bolts)								
13	351 CID (5.8L) 351W Ford Windsor V8 Cyl (1969-1998)				4.000in./101.6mm x 3.500in./88.9mm				13
Rod Bearing(8)	TM-77	CB-831HN	STD,1,9,10,11	2.3103/2.3111	0.0002/0.0024	0.0576	2.4265/2.4273	0.6760	
NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half									
Rod Bearing(8)	TM-77	CB-831HNK	STD,1,10	2.3103/2.3111	0.0002/0.0024	0.0576	2.4265/2.4273	0.6760	
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half									
Rod Bearing(8)	TM-77	CB-831HXN	STD	2.3103/2.3111	0.0012/0.0034	0.0571	2.4265/2.4273	0.6760	
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half									
Rod Bearing(8)	TM-77	CB-831HXNK	STD	2.3103/2.3111	0.0012/0.0034	0.0571	2.4265/2.4273	0.6760	
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half									

High Performance/Race



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
13 (Cont.)	351 CID (5.8L) 351W Ford Windsor V8 Cyl (1969-1998)				4.000in./101.6mm x 3.500in./88.9mm			13 (Cont.)
Main Bearing Set 1-2-4-5 3	TM-77	MS-1432H MB-2754H MB-2558H(F)	STD,1,9,10,11	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: 1977-1998, H-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-4-5 3	TM-77	MS-1432HK MB-2754H MB-2558H(F)	STD,1,10	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: 1977-1998, H-Series Performance With TriArmor™,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set 1-2-4-5 3	TM-77	MS-1432HX MB-2754HX MB-2558HX(F)	STD	2.9994/3.0002 2.9994/3.0002	0.0015/0.0039 0.0015/0.0039	0.0955 0.0955	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: 1977-1998, H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-4-5 3	TM-77	MS-1432HXX MB-2754HX MB-2558HX(F)	STD	2.9994/3.0002 2.9994/3.0002	0.0015/0.0039 0.0015/0.0039	0.0955 0.0955	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: 1977-1998, H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set 1-2-3-4-5	TM-77	MS-2256H MB-3830H	STD,1,10	2.7484/2.7492	0.0001/0.0015	0.0962	2.9417/2.9425	0.8450
NOTE: 351 Cleveland Crankshaft In A Windsor Block,Requires Main Bearing Spacer Set, Not Included, H-Series Performance,Grooved Upper Halves Plain Lower Halves, Use With Part Number MS-2254-SEMI,MS-2255-SEMI								
Main Bearing Set 1-2-3-4-5	TM-77	MS-2256HX MB-3830HX	STD	2.7484/2.7492	0.0011/0.0025	0.0957	2.9417/2.9425	0.8450
NOTE: 351 Cleveland Crankshaft In A Windsor Block,Requires Main Bearing Spacer Set, Not Included, H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves, Use With Part Number MS-2254-SEMI,MS-2255-SEMI								
Main Bearing Spacer Set 1-2-4-5 3		MS-2254-SEMI MB-3831C MB-3833C(F)				0.1335 0.1375	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: Use With 351 Cleveland SVO Sportsman Crankshaft M6303-E351 In A Windsor Block,Requires Special Performance Main Bearing Set, Not Included, Contains Semi-Finished Spacer Set Only, Use With Part Number MS-2256H,MS-2256HX								
Main Bearing Spacer Set 1-2-4-5 3		MS-2255-SEMI MB-3831C MB-3832C(F)				0.1335 0.1375	3.1922/3.1930 3.1922/3.1930	0.8400 1.1180
NOTE: Use With Factory 351 Cleveland Crankshaft In A Windsor Block,Requires Special Performance Main Bearing Set, Not Included, Contains Semi-Finished Spacer Set Only, Use With Part Number MS-2256H,MS-2256HX								
Cam Bearing Set 1 2 3 4 5	B-1	SH-510S SH-510 SH-511 SH-512 SH-513 SH-514	STD,10	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700
NOTE: 1977-1998								
Cam Bearing Set 1 2 3 4 5	AL-3	SH-1321S SH-1321 SH-1322 SH-1323 SH-1324 SH-1325	STD	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700
NOTE: 1977-1998, High Strength Material								
Rod Forging C/S Forging	C90E, D60E 3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							



FORD (Cont.)										
COUNTER DATA				SHOP DATA						
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length		
8 CYL (Cont.)										
14	370 CID (6.1L) V8 Cyl (1979-1991)			4.046in./102.8mm x 3.590in./91.2mm					14	
	429 CID (7.0L) V8 Cyl (1968-1998)			4.360in./110.7mm x 3.590in./91.2mm						
	460 CID (7.5L) V8 Cyl (1968-1998)			4.360in./110.7mm x 3.850in./97.8mm						
Rod Bearing(8) TM-77 CB-818H STD,10 NOTE: H-Series Performance,No Dowel Hole In Cap Half To Be Replaced By CB-818HN				2.4992/2.5000	0.0001/0.0023	0.0760	2.6522/2.6530	0.8660		
Rod Bearing(8) TM-77 CB-818HN STD,9,10,11 NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half				2.4992/2.5000	0.0001/0.0023	0.0760	2.6522/2.6530	0.8110		
Main Bearing Set B-2 MS-1039MX STD 1-2-4-5 MB-2564MX 3 MB-2565MX(F) NOTE: M-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Contains Full Grooved Bearings				2.9994/3.0002 2.9994/3.0002	0.0016/0.0038 0.0016/0.0038	0.0954 0.0954	3.1922/3.1930 3.1922/3.1930	0.9500 1.1200		
Main Bearing Set VP-2 MS-1039V STD,10 1-2-4-5 MB-2564V 3 MB-2565V(F) NOTE: V-Series Performance,Bearing Is Tri-bore Design,Grooved Upper Halves Plain Lower Halves				2.9994/3.0002 2.9994/3.0002	0.0004/0.0028 0.0004/0.0028	0.0958 0.0958	3.1922/3.1930 3.1922/3.1930	0.9500 1.1200		
Cam Bearing Set AL-3 SH-1111S STD,10 1-2-3-4-5 SH-1111				2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.6000		
Cam Bearing Set AL-3 SH-1766S STD 1-2-3-4-5 SH-1766 NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.2645"/2.2655"				2.1238/2.1248	0.0011/0.0050	0.0694	2.2645/2.2655	0.6300		
Rod Forging C8VE, D6VE, D9TE, C8VE-A, D00E-A C/S Forging H, 1V, 2Y, 3Y, 4U, 1VA, 2YA, 4UA, 4UB, ZYA, 1VAB, 1YAB, 2YAB, 3YAB, 4UAB, 2YABC, C8SE-A, C8VE-A, C9AE-A, C9AE-B, D9TE-AA, D9TE-EA										
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 95 To 105 Lbs.Ft.										
10 CYL										
15	415 CID (6.8L) SOHC 20 Valve Ford Windsor V10 Cyl (1997-2004)			3.550in./90.1mm x 4.161in./105.7mm					15	
	Rod Bearing(10) TM-77 CB-1442H STD,.026mm,.23mm,.25mm,.28mm NOTE: H-Series Performance,No Dowel Hole In Cap Half			2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270		
	Rod Bearing(8) TM-77 CB-1442HK STD NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half			2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270		
	Rod Bearing(10) TM-77 CB-1442HX STD NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half			2.0859/2.0867	0.0021/0.0033	0.0754	2.2388/2.2396	0.8270		
	Rod Bearing(8) TM-77 CB-1442HXX STD NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half			2.0859/2.0867	0.0021/0.0033	0.0754	2.2388/2.2396	0.8270		
Connecting Rod 30 To 33 Lbs.Ft. Plus 90 To 120 Degrees (Requires New Connecting Rod Bolts)										
GENERAL MOTORS CORP.										
ENGINE DATA										
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block			
4 CYL				6 CYL (Cont.)						
2.0 Super Duty Pontiac	2000-2006	3.386in./86mmX3.724in./94.6mm	1	200 CID (3.3L) Chevrolet	1978-1979	3.500in./88.9mmX3.484in./88.5mm	4			
134 CID (2.2L) Ecotec			2	229 CID (3.8L) 90 Degree Chevrolet	1980-1984	3.736in./95mmX3.484in./88.5mm	4			
DOHC 16 Valve General Motors				231 CID (3.8L) Buick	1978-1988	3.800in./96.5mmX3.400in./86.4mm	3			
2.5 Super Duty Pontiac			1	231 CID (3.8L) Turbo Buick Turbocharged	1978-1989	3.800in./96.5mmX3.400in./86.4mm	3			
2.7 Super Duty Pontiac			1	252 CID (4.1L) Buick	1980-1984	3.965in./100.7mmX3.400in./86.4mm	3			
3.0 Super Duty Pontiac			1	8 CYL						
3.3 Super Duty Pontiac			1	262 CID (4.3L) Chevrolet	1975-1976	3.670in./93.2mmX3.100in./78.7mm	5			
6 CYL				265 CID (4.3L) Chevrolet	1955-1957	3.750in./95.3mmX3.000in./76.2mm	6			
181 CID (3.0L) Buick	1982-1988	3.800in./96.5mmX2.660in./67.6mm	3	267 CID (4.4L) Chevrolet	1979-1982	3.500in./88.9mmX3.484in./88.5mm	5			
196 CID (3.2L) Buick	1978-1979	3.500in./88.9mmX3.400in./86.4mm	3							



GENERAL MOTORS CORP. (Cont.)

ENGINE DATA (Cont.)

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
8 CYL (Cont.)				8 CYL (Cont.)			
283 CID (4.6L) Chevrolet	1957-1967	3.875in./98.4mmX3.000in./76.2mm	7	365 CID (6.0L) 6000 LS2 Chevrolet	2005	4.000in./101.6mmX3.622in./92mm	11
294 CID (4.8L) Vortec	1999-2007	3.780in./96mmX3.268in./83mm	8	365 CID (6.0L) Vortec	1999-2007	4.000in./101.6mmX3.622in./92mm	8
4800 Chevrolet				6000 Chevrolet			
302 CID (5.0L) Large Journal Chevrolet	1968-1969	4.000in./101.6mmX3.347in./85mm	5	366 CID (6.0L) Chevrolet	1966-1998	3.938in./100mmX3.766in./95.7mm	12
302 CID (5.0L) Small Journal Chevrolet	1967	4.000in./101.6mmX3.347in./85mm	7	389 CID (6.4L) Pontiac	1959-1966	4.063in./103.2mmX3.750in./95.3mm	9
305 CID (5.0L) Chevrolet	1976-1998	3.736in./95mmX3.484in./88.5mm	5	396 CID (6.6L) Chevrolet	1965-1970	4.094in./104mmX3.766in./95.7mm	12
307 CID (5.0L) Chevrolet	1968-1973	3.875in./98.4mmX3.250in./82.6mm	5	400 CID (6.6L) Chevrolet	1970-1980	4.125in./104.8mmX3.750in./95.3mm	13
325 CID (5.3L) Vortec	1999-2007	3.780in./96mmX3.622in./92mm	8	400 CID (6.6L) Oldsmobile	1968-1969	3.875in./98.4mmX4.250in./108mm	14
5300 Chevrolet				400 CID (6.6L) Oldsmobile	1965-1967	4.000in./101.6mmX3.980in./101.1mm	14
326 CID (5.3L) Pontiac	1963-1967	3.719in./94.5mmX3.750in./95.3mm	9	400 CID (6.6L) Pontiac	1967-1979	4.120in./104.6mmX3.750in./95.3mm	9
327 CID (5.4L) Large Journal Chevrolet	1968-1969	4.000in./101.6mmX3.250in./82.6mm	5	402 CID (6.0L) Chevrolet	1970-1972	4.125in./104.8mmX3.766in./95.7mm	12
327 CID (5.4L) Small Journal Chevrolet	1962-1967	4.000in./101.6mmX3.250in./82.6mm	7	409 CID (6.7L) Chevrolet	1961-1965	4.313in./109.6mmX3.500in./88.9mm	10
346 CID (5.7L) Generation III Chevrolet	1997-2004	3.898in./99mmX3.622in./92mm	8	421 CID (6.9L) Pontiac	1963-1966	4.094in./104mmX4.000in./101.6mm	15
348 CID (5.7L) Chevrolet	1958-1961	4.125in./104.8mmX3.250in./82.6mm	10	425 CID (7.0L) Oldsmobile	1965-1967	4.125in./104.8mmX3.980in./101.1mm	14
350 CID (5.7L) Pontiac	1968-1977	3.875in./98.4mmX3.750in./95.3mm	9	427 CID (7.0L) Chevrolet	1966-1998	4.250in./108mmX3.766in./95.7mm	12
350 CID (5.7L) Generation I Chevrolet	1967-1998	4.000in./101.6mmX3.484in./88.5mm	5	428 CID (7.0L) Pontiac	1967-1969	4.120in./104.6mmX4.000in./101.6mm	15
350 CID (5.7L) Generation II Chevrolet	1992-1997	4.000in./101.6mmX3.484in./88.5mm	5	454 CID (7.4L) Chevrolet	1970-2000	4.250in./108mmX4.000in./101.6mm	12
				455 CID (7.5L) Oldsmobile	1968-1976	4.125in./104.8mmX4.250in./108mm	14
				455 CID (7.5L) Pontiac	1970-1976	4.151in./105.4mmX4.210in./106.9mm	15
				472 CID (7.7L) Cadillac	1968-1974	4.300in./109.2mmX4.060in./103.1mm	16
				500 CID (8.2L) Cadillac	1970-1976	4.300in./109.2mmX4.300in./109.2mm	16
				502 CID (8.2L) Chevrolet		4.470in./113.5mmX4.000in./101.6mm	12

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
201	3.400in./86.4mm	3	541000	3.750in./95.3mm	9	3703527	3.347in./85mm	7	3815281	3.250in./82.6mm	5
220	3.400in./86.4mm	3	544956	3.750in./95.3mm	9	3703527	3.347in./85mm	5	3837686	3.250in./82.6mm	10
222	4.060in./103.1mm	16	1357201	3.400in./86.4mm	3	3703527	3.250in./82.6mm	5	3837686	3.500in./88.9mm	10
222	4.300in./109.2mm	16	1357333	3.400in./86.4mm	3	3732717	3.250in./82.6mm	10	3856239	3.766in./95.7mm	12
408	2.660in./67.6mm	3	1377248	3.400in./86.4mm	3	3732717	3.500in./88.9mm	10	3856239	4.000in./101.6mm	12
461	2.660in./67.6mm	3	3185281	3.250in./82.6mm	7	3784000	3.000in./76.2mm	6	3856240	3.766in./95.7mm	12
673	3.400in./86.4mm	3	3185281	3.250in./82.6mm	5	3784000	3.000in./76.2mm	7	3856240	4.000in./101.6mm	12
763	3.400in./86.4mm	3	3633111	4.060in./103.1mm	16	3784000	3.250in./82.6mm	7	3892671	3.484in./88.5mm	5
779	3.400in./86.4mm	3	3633111	4.300in./109.2mm	16	3784000	3.347in./85mm	7	3916396	3.484in./88.5mm	5
384759	4.250in./108mm	14	3703526	3.000in./76.2mm	6	3784000	3.347in./85mm	5	3923282	3.484in./88.5mm	5
397858	3.980in./101.1mm	14	3703526	3.000in./76.2mm	7	3784000	3.250in./82.6mm	5	3933174	3.766in./95.7mm	12
401406	3.980in./101.1mm	14	3703526	3.250in./82.6mm	7	3795624	3.250in./82.6mm	10	3933174	4.000in./101.6mm	12
401456	3.980in./101.1mm	14	3703526	3.347in./85mm	7	3795624	3.500in./88.9mm	10	3946841	3.484in./88.5mm	5
410999	3.980in./101.1mm	14	3703526	3.347in./85mm	5	3815281	3.000in./76.2mm	6	3951629	3.750in./95.3mm	13
529007	3.750in./95.3mm	9	3703526	3.250in./82.6mm	5	3815281	3.000in./76.2mm	7	25509405	3.400in./86.4mm	3
529238	3.750in./95.3mm	9	3703527	3.000in./76.2mm	6	3815281	3.250in./82.6mm	7			
529938	3.750in./95.3mm	9	3703527	3.000in./76.2mm	7	3815281	3.347in./85mm	7			
532294	3.750in./95.3mm	9	3703527	3.250in./82.6mm	7	3815281	3.347in./85mm	5			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
0-191561	3.500in./88.9mm	10	1354N	3.484in./88.5mm	4	6764	3.347in./85mm	7	306276	3.484in./88.5mm	5
143	3.484in./88.5mm	4	2680	3.250in./82.6mm	7	6764	3.347in./85mm	5	310514	3.484in./88.5mm	5
147	3.484in./88.5mm	4	2680	3.250in./82.6mm	5	7115	3.766in./95.7mm	12	353039	4.000in./101.6mm	12
275	2.660in./67.6mm	3	2690	3.484in./88.5mm	5	7416	4.000in./101.6mm	12	354431	3.100in./78.7mm	5
404	2.660in./67.6mm	3	3279	3.000in./76.2mm	6	8767	2.660in./67.6mm	3	359730	4.000in./101.6mm	12
726N	3.484in./88.5mm	4	3279	3.000in./76.2mm	7	9115	3.766in./95.7mm	12	378354	3.400in./86.4mm	3
732	2.660in./67.6mm	3	3279	3.250in./82.6mm	7	97954	3.750in./95.3mm	9	384722	3.980in./101.1mm	14
0819	3.500in./88.9mm	10	3279	3.347in./85mm	7	103427	3.750in./95.3mm	9	390370	3.980in./101.1mm	14
1130	3.250in./82.6mm	7	3279	3.347in./85mm	5	135411	3.484in./88.5mm	4	391101A	3.250in./82.6mm	7
1130	3.250in./82.6mm	5	3279	3.250in./82.6mm	5	230277	3.400in./86.4mm	3	391101A	3.250in./82.6mm	5
1178	3.000in./76.2mm	6	3521	4.000in./101.6mm	12	230278	3.400in./86.4mm	3	397303	4.250in./108mm	14
1178	3.000in./76.2mm	7	4577	3.250in./82.6mm	7	230331	4.250in./108mm	14	397363	4.250in./108mm	14
1178	3.250in./82.6mm	7	4577	3.250in./82.6mm	5	230376	3.100in./78.7mm	5	400934	4.250in./108mm	14
1178	3.347in./85mm	7	4672	3.250in./82.6mm	7	230377	4.250in./108mm	14	403707	4.250in./108mm	14
1178	3.347in./85mm	5	4672	3.250in./82.6mm	5	230378	4.250in./108mm	14	405954	4.250in./108mm	14
1178	3.250in./82.6mm	5	4813	3.750in./95.3mm	9	230378	3.400in./86.4mm	3	481379	3.750in./95.3mm	9
1182	3.250in./82.6mm	7	6223	3.766in./95.7mm	12	230907	4.250in./108mm	14	481380	3.750in./95.3mm	9
1182	3.250in./82.6mm	5	6764	3.000in./76.2mm	6	230908	4.250in./108mm	14	493654	3.750in./95.3mm	9
1182	3.484in./88.5mm	5	6764	3.000in./76.2mm	7	306275	3.484in./88.5mm	5	496452	3.750in./95.3mm	9



GENERAL MOTORS CORP. (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
496453	4.000in./101.6mm	15	3735236	3.000in./76.2mm	6	3849847	3.000in./76.2mm	6	3941176	3.347in./85mm	5
531369	3.750in./95.3mm	9	3735236	3.000in./76.2mm	7	3849847	3.000in./76.2mm	7	3941180	3.766in./95.7mm	12
541585	3.750in./95.3mm	9	3735236	3.347in./85mm	7	3849847	3.347in./85mm	7	3941184	3.484in./88.5mm	5
542990	4.000in./101.6mm	15	3735236	3.347in./85mm	5	3849847	3.347in./85mm	5	3942411	3.766in./95.7mm	12
544191	3.750in./95.3mm	9	3741640	3.250in./82.6mm	10	3863144	3.766in./95.7mm	12	3951528	3.750in./95.3mm	13
584722	3.980in./101.1mm	14	3741642	3.250in./82.6mm	10	3874874	3.766in./95.7mm	12	3951529D	3.750in./95.3mm	13
1254083	3.400in./86.4mm	3	3782680	3.250in./82.6mm	7	3876764	3.000in./76.2mm	6	3962523	4.000in./101.6mm	12
1255645	3.400in./86.4mm	3	3782680	3.250in./82.6mm	5	3876764	3.000in./76.2mm	7	3963523	4.000in./101.6mm	12
1255646	3.400in./86.4mm	3	3782690	3.250in./82.6mm	7	3876764	3.347in./85mm	7	3963524	4.000in./101.6mm	12
1255674	3.400in./86.4mm	3	3782690	3.250in./82.6mm	5	3876764	3.347in./85mm	5	3967463	4.000in./101.6mm	12
1255846	3.400in./86.4mm	3	3788072	3.500in./88.9mm	10	3876768	3.000in./76.2mm	6	3975945	4.000in./101.6mm	12
1255862	3.400in./86.4mm	3	3795589	3.500in./88.9mm	10	3876768	3.000in./76.2mm	7	4568749	3.484in./88.5mm	5
1257125	3.400in./86.4mm	3	3804816	3.766in./95.7mm	12	3876768	3.347in./85mm	7	5782680	3.250in./82.6mm	7
1260877	3.400in./86.4mm	3	3815822	3.250in./82.6mm	7	3876768	3.347in./85mm	5	5782680	3.250in./82.6mm	5
1261438	3.400in./86.4mm	3	3815822	3.250in./82.6mm	5	3882841	3.750in./95.3mm	13	9770488	4.000in./101.6mm	15
1261787	3.400in./86.4mm	3	3824544	3.250in./82.6mm	10	3882842	3.766in./95.7mm	12	9773382	3.750in./95.3mm	9
1357898	3.400in./86.4mm	3	3824553	3.250in./82.6mm	10	3882847	3.766in./95.7mm	12	9773383	3.750in./95.3mm	9
1378351	3.400in./86.4mm	3	3824554	3.500in./88.9mm	10	3882848	3.766in./95.7mm	12	9773384	4.000in./101.6mm	15
1378354	3.400in./86.4mm	3	3829027	3.500in./88.9mm	10	3882849	3.766in./95.7mm	12	9773524	3.750in./95.3mm	9
1467292	4.060in./103.1mm	16	3832442	3.484in./88.5mm	5	3887114	3.766in./95.7mm	12	9773573	3.750in./95.3mm	9
1486424	4.060in./103.1mm	16	3835236TG	3.000in./76.2mm	6	3904815	3.766in./95.7mm	12	9782646	3.750in./95.3mm	9
1495094	4.300in./109.2mm	16	3835236TG	3.000in./76.2mm	7	3904816	3.766in./95.7mm	12	9782769	4.000in./101.6mm	15
1495095	4.300in./109.2mm	16	3835236TG	3.347in./85mm	7	3911000	3.250in./82.6mm	7	9782770	3.750in./95.3mm	9
1496793	4.300in./109.2mm	16	3835236TG	3.347in./85mm	5	3911000	3.250in./82.6mm	5	9783785	3.750in./95.3mm	9
1609142R	4.060in./103.1mm	16	3836144	3.766in./95.7mm	12	3911001	3.250in./82.6mm	7	9783786	3.750in./95.3mm	9
3727449	3.000in./76.2mm	6	3836236	3.000in./76.2mm	6	3911001	3.250in./82.6mm	5	9783787	4.000in./101.6mm	15
3727449	3.000in./76.2mm	7	3836236	3.000in./76.2mm	7	3911011	3.250in./82.6mm	7	9793573	3.750in./95.3mm	9
3727499	3.000in./76.2mm	6	3836236	3.347in./85mm	7	3911011	3.250in./82.6mm	5	9794054	3.750in./95.3mm	9
3727499	3.000in./76.2mm	7	3836236	3.347in./85mm	5	3912335	3.484in./88.5mm	5	9795479	3.750in./95.3mm	9
3727499	3.347in./85mm	7	3836266	3.000in./76.2mm	6	3914681	3.250in./82.6mm	7	9799103	4.210in./106.9mm	15
3727499	3.347in./85mm	5	3836266	3.000in./76.2mm	7	3914681	3.250in./82.6mm	5	25505554	3.400in./86.4mm	3
3729449	3.000in./76.2mm	6	3836266	3.347in./85mm	7	3914682	3.250in./82.6mm	7	25506397	3.400in./86.4mm	3
3729449	3.000in./76.2mm	7	3836266	3.347in./85mm	5	3914682	3.250in./82.6mm	5	25506818	3.400in./86.4mm	3
3729449	3.347in./85mm	7	3837266	3.000in./76.2mm	6	3923278	3.347in./85mm	7	25509404	3.400in./86.4mm	3
3729449	3.347in./85mm	5	3837266	3.000in./76.2mm	7	3923278	3.347in./85mm	5	25514290	3.400in./86.4mm	3
3732444	3.484in./88.5mm	5	3837266	3.347in./85mm	7	3930809	3.250in./82.6mm	7	25520329	3.400in./86.4mm	3
3732692	3.250in./82.6mm	10	3837266	3.347in./85mm	5	3930809	3.250in./82.6mm	5	N353039	4.000in./101.6mm	12
3733223	3.250in./82.6mm	10	3837466	3.500in./88.9mm	10	3932444	3.484in./88.5mm	5	N853039	4.000in./101.6mm	12
3733226	3.250in./82.6mm	10	3838266	3.000in./76.2mm	6	3941172	3.250in./82.6mm	7	N853638	4.000in./101.6mm	12
3734627	3.000in./76.2mm	6	3838266	3.000in./76.2mm	7	3941172	3.250in./82.6mm	5	O-191561	3.500in./88.9mm	10
3734627	3.000in./76.2mm	7	3838266	3.347in./85mm	7	3941174	3.250in./82.6mm	7			
3734627	3.347in./85mm	7	3838266	3.347in./85mm	5	3941174	3.250in./82.6mm	5			
3734627	3.347in./85mm	5	3838396	3.500in./88.9mm	10	3941176	3.347in./85mm	7			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	2.0 Super Duty Pontiac 4 Cyl							1
	2.5 Super Duty Pontiac 4 Cyl				x			
	2.7 Super Duty Pontiac 4 Cyl				x			
	3.0 Super Duty Pontiac 4 Cyl				x			
	3.3 Super Duty Pontiac 4 Cyl				x			
Rod Bearing(4)	TM-77	CB-1285P	STD	2.0990/2.1000	0.0005/0.0030	0.0621	2.2247/2.2252	0.7800
NOTE: P-Series Performance, No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-1733P	STD, 1, 10, 20, 30, 40					
1-2-3-4		MB-3135P		2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
5		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Cam Bearing Set	AL-3	SH-1030S	STD, 10					
1-2-3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
Connecting Rod	30 Lbs.Ft. (Except Cross Flow Cylinder Heads)							
Connecting Rod	32 Lbs.Ft. (Cross Flow Cylinder Heads)							
Main Bearing	65 Lbs.Ft. (Except Cross Flow Cylinder Heads)							
Main Bearing	70 Lbs.Ft. (Cross Flow Cylinder Heads)							

High Performance/Race



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
2	134 CID (2.2L) Ecotec DOHC 16 Valve General Motors 4 Cyl (2000-2006)				3.386in./86mm x 3.724in./94.6mm			2
Rod Bearing(4)	TM-77	CB-1827H	STD,1,10	1.9291/1.9297	0.0004/0.0022	0.0609	2.0519/2.0525	0.7980
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(4)	TM-77	CB-1827HK	STD	1.9291/1.9297	0.0004/0.0022	0.0609	2.0519/2.0525	0.7980
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Rod Bearing(4)	TM-77	CB-1827HX	STD	1.9291/1.9297	0.0014/0.0032	0.0604	2.0519/2.0525	0.7980
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(4)	TM-77	CB-1827HXX	STD	1.9291/1.9297	0.0014/0.0032	0.0604	2.0519/2.0525	0.7980
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
6 CYL								
3	181 CID (3.0L) Buick V6 Cyl (1982-1988) 196 CID (3.2L) Buick V6 Cyl (1978-1979) 231 CID (3.8L) Buick V6 Cyl (1978-1988) 231 CID (3.8L) Turbo Buick Turbocharged V6 Cyl (1978-1989) 252 CID (4.1L) Buick V6 Cyl (1980-1984)				3.800in./96.5mm x 2.660in./67.6mm 3.500in./88.9mm x 3.400in./86.4mm 3.800in./96.5mm x 3.400in./86.4mm 3.800in./96.5mm x 3.400in./86.4mm 3.965in./100.7mm x 3.400in./86.4mm			3
Rod Bearing(6)	TM-77	CB-1398H	STD,1,10	2.2480/2.2485	0.0015/0.0033	0.0619	2.3738/2.3745	0.7420
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(6)	TM-77	CB-1398HX	STD	2.2480/2.2485	0.0025/0.0043	0.0614	2.3738/2.3745	0.7420
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(6)	VP-2	CB-1398V	STD,1,10	2.2480/2.2485	0.0015/0.0033	0.0619	2.3738/2.3745	0.7380
NOTE: V-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(6)	VP-2	CB-1398VX	STD	2.2480/2.2485	0.0025/0.0043	0.0614	2.3738/2.3745	0.7380
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Main Bearing Set	VP-2	MS-960V	STD					
1-3		MB-2433V		2.4990/2.5000	0.0007/0.0035	0.0932	2.6870/2.6880	0.8690
2		MB-2434V(F)		2.4990/2.5000	0.0007/0.0035	0.0932	2.6870/2.6880	1.0580
4		MB-2491V		2.4990/2.5000	0.0007/0.0035	0.0932	2.6870/2.6880	0.8690
NOTE: V-Series Performance,Grooved Upper Halves Plain Lower Halves								
Cam Bearing(4)	AL-3	SH-1360	STD	1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.7600
Cam Bearing(4)	AL-3	SH-1448	STD	1.7850/1.7860	0.0005/0.0055	0.0745	1.9355/1.9375	0.7500
NOTE: .020" Oversize Outside Diameter Bearing								
Rod Forging	201, 220, 408, 461, 673, 763, 779, 1357201, 1357333, 1377248, 25509405							
C/S Forging	275, 404, 732, 8767, 230277, 230278, 230378, 378354, 1254083, 1255645, 1255646, 1255674, 1255846, 1255862, 1257125, 1260877, 1261438, 1261787, 1357898, 1378351, 1378354, 25505554, 25506397, 25506818, 25509404, 25514290, 25520329							
Connecting Rod	40 Lbs.Ft.							
Main Bearing	110 Lbs.Ft.							
4	200 CID (3.3L) Chevrolet V6 Cyl (1978-1979) 229 CID (3.8L) 90 Degree Chevrolet V6 Cyl (1980-1984)				3.500in./88.9mm x 3.484in./88.5mm 3.736in./95mm x 3.484in./88.5mm			4
Rod Bearing(6)	TM-77	CB-1227H	STD,1	2.0990/2.1000	0.0003/0.0033	0.0622	2.2247/2.2257	0.7130
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(6)	TM-77	CB-1227HX	STD	2.0990/2.1000	0.0013/0.0043	0.0617	2.2247/2.2257	0.7130
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-1454P	STD,1,10,20,30,40					
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: Grooved Upper Halves Plain Lower Halves								
Cam Bearing Set	AL-3	SH-1350S	STD,10					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-4		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
C/S Forging	143, 147, 726N, 1354N, 135411							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL								
5	262 CID (4.3L) Chevrolet V8 Cyl (1975-1976)				3.670in./93.2mm x 3.100in./78.7mm			5
	267 CID (4.4L) Chevrolet V8 Cyl (1979-1982)				3.500in./88.9mm x 3.484in./88.5mm			
	302 CID (5.0L) Large Journal Chevrolet V8 Cyl (1968-1969)				4.000in./101.6mm x 3.347in./85mm			
	305 CID (5.0L) Chevrolet V8 Cyl (1976-1998)				3.736in./95mm x 3.484in./88.5mm			
	307 CID (5.0L) Chevrolet V8 Cyl (1968-1973)				3.875in./98.4mm x 3.250in./82.6mm			
	327 CID (5.4L) Large Journal Chevrolet V8 Cyl (1968-1969)				4.000in./101.6mm x 3.250in./82.6mm			
	350 CID (5.7L) Generation I Chevrolet V8 Cyl (1967-1998)				4.000in./101.6mm x 3.484in./88.5mm			
	350 CID (5.7L) Generation II Chevrolet V8 Cyl (1992-1997)				4.000in./101.6mm x 3.484in./88.5mm			
Rod Bearing(8) TM-77 CB-663H STD,1,9,10,11,19,20,21 NOTE: H-Series Performance,No Dowel Hole In Cap Half To Be Replaced By CB-663HN				2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
Rod Bearing(8) TM-77 CB-663HD STD,1,10 NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-663HND				2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
Rod Bearing(8) TM-77 CB-663HDK STD,1,10 NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-663HNDK				2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
Rod Bearing(8) TM-77 CB-663HK STD,1,10 NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half To Be Replaced By CB-663HNK				2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
Rod Bearing(8) TM-77 CB-663HN STD,1,9,10,11,19,20,21,30 NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half				2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.7920
Rod Bearing(8) TM-77 CB-663HND STD,1,10 NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance				2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.7920
Rod Bearing(8) TM-77 CB-663HNDK STD,1,10 NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance				2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.7920
Rod Bearing(8) TM-77 CB-663HNK STD,1,10 NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half				2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.7920
Rod Bearing(8) TM-77 CB-663HX STD NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half To Be Replaced By CB-663HXN				2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
Rod Bearing(8) TM-77 CB-663HXD STD NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-663HXND				2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
Rod Bearing(8) TM-77 CB-663HXDK STD NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-663HXNDK				2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
Rod Bearing(8) TM-77 CB-663HXK STD NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half To Be Replaced By CB-663HXNK				2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
Rod Bearing(8) TM-77 CB-663HXN STD NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half				2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.7920

High Performance/Race



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
5 (Cont.)	262 CID (4.3L) Chevrolet V8 Cyl (1975-1976)				3.670in./93.2mm x 3.100in./78.7mm			5 (Cont.)
	267 CID (4.4L) Chevrolet V8 Cyl (1979-1982)				3.500in./88.9mm x 3.484in./88.5mm			
	302 CID (5.0L) Large Journal Chevrolet V8 Cyl (1968-1969)				4.000in./101.6mm x 3.347in./85mm			
	305 CID (5.0L) Chevrolet V8 Cyl (1976-1998)				3.736in./95mm x 3.484in./88.5mm			
	307 CID (5.0L) Chevrolet V8 Cyl (1968-1973)				3.875in./98.4mm x 3.250in./82.6mm			
	327 CID (5.4L) Large Journal Chevrolet V8 Cyl (1968-1969)				4.000in./101.6mm x 3.250in./82.6mm			
	350 CID (5.7L) Generation I Chevrolet V8 Cyl (1967-1998)				4.000in./101.6mm x 3.484in./88.5mm			
	350 CID (5.7L) Generation II Chevrolet V8 Cyl (1992-1997)				4.000in./101.6mm x 3.484in./88.5mm			
Rod Bearing(8)	TM-77	CB-663HXND	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.7920
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-663HXNDK	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.7920
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-663HXNK	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.7920
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-663VN	STD,1,10,20	2.0990/2.1000	0.0008/0.0028	0.0621	2.2247/2.2252	0.7920
NOTE: V-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-663VXN	STD	2.0990/2.1000	0.0018/0.0038	0.0616	2.2247/2.2252	0.7920
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-663VXX	STD	2.0990/2.1000	0.0028/0.0048	0.0611	2.2247/2.2252	0.8420
NOTE: V-Series Performance,Bearing Walls .0010" Thinner For .0020" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-825P	STD	2.0990/2.1000	0.0020/0.0045	0.0616	2.2247/2.2252	0.8420
NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-826P	STD,1,10	2.0990/2.1000	0.0010/0.0035	0.0621	2.2247/2.2252	0.8420
NOTE: P-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-1263P	STD	2.0990/2.1000	0.0020/0.0045	0.0606	2.2247/2.2252	0.8420
Lower		CB-1263P(L)		2.0990/2.1000	0.0020/0.0045	0.0606	2.2247/2.2252	0.8420
Upper		CB-1263P(U)		2.0990/2.1000	0.0020/0.0045	0.0626	2.2247/2.2252	0.8420
NOTE: P-Series Performance,Bearing Is Patented DELTAWALL™ design,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half,Upper And Lower Halves Must Not Be Interchanged								
Rod Bearing(8)	TM-77	CB-1264P	STD,1,10	2.0990/2.1000	0.0010/0.0035	0.0611	2.2247/2.2252	0.8420
Lower		CB-1264P(L)		2.0990/2.1000	0.0010/0.0035	0.0611	2.2247/2.2252	0.8420
Upper		CB-1264P(U)		2.0990/2.1000	0.0010/0.0035	0.0631	2.2247/2.2252	0.8420
NOTE: P-Series Performance,Bearing Is Patented DELTAWALL™ design,No Dowel Hole In Cap Half,Upper And Lower Halves Must Not Be Interchanged								
Rod Bearing(8)	TM-77	CB-1274P	STD	2.0990/2.1000	0.0020/0.0045	0.0616	2.2247/2.2252	0.8420
NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1275P	STD,1,10	2.0990/2.1000	0.0010/0.0035	0.0621	2.2247/2.2252	0.8420
NOTE: P-Series Performance,No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-909H	STD,1,9,10,11,19,20,21,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3-4		MB-2508H		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
5		MB-2509H(F)						
NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-909HG	STD,10	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3-4		MB-2508HG		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
5		MB-2509HG(F)						
NOTE: H-Series Performance,Contains Full Grooved Bearings								



GENERAL MOTORS CORP. (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
5 (Cont.)	262 CID (4.3L) Chevrolet V8 Cyl (1975-1976)				3.670in./93.2mm x 3.100in./78.7mm				5 (Cont.)
	267 CID (4.4L) Chevrolet V8 Cyl (1979-1982)				3.500in./88.9mm x 3.484in./88.5mm				
	302 CID (5.0L) Large Journal Chevrolet V8 Cyl (1968-1969)				4.000in./101.6mm x 3.347in./85mm				
	305 CID (5.0L) Chevrolet V8 Cyl (1976-1998)				3.736in./95mm x 3.484in./88.5mm				
	307 CID (5.0L) Chevrolet V8 Cyl (1968-1973)				3.875in./98.4mm x 3.250in./82.6mm				
	327 CID (5.4L) Large Journal Chevrolet V8 Cyl (1968-1969)				4.000in./101.6mm x 3.250in./82.6mm				
	350 CID (5.7L) Generation I Chevrolet V8 Cyl (1967-1998)				4.000in./101.6mm x 3.484in./88.5mm				
	350 CID (5.7L) Generation II Chevrolet V8 Cyl (1992-1997)				4.000in./101.6mm x 3.484in./88.5mm				
Main Bearing Set TM-77 MS-909HK STD,1,10									
1-2-3-4 MB-2508H				2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070	
5 MB-2509H(F)				2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180	
NOTE: H-Series Performance With TriArmor™,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness									
Main Bearing Set TM-77 MS-909HX STD									
1-2-3-4 MB-2508HX				2.4483/2.4493	0.0016/0.0046	0.0950	2.6406/2.6416	0.8070	
5 MB-2509HX(F)				2.4478/2.4488	0.0021/0.0051	0.0950	2.6406/2.6416	1.7180	
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves									
Main Bearing Set TM-77 MS-909HXX STD									
1-2-3-4 MB-2508HX				2.4483/2.4493	0.0016/0.0046	0.0950	2.6406/2.6416	0.8070	
5 MB-2509HX(F)				2.4478/2.4488	0.0021/0.0051	0.0950	2.6406/2.6416	1.7180	
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness									
Main Bearing Set VP-2 MS-909V STD,1,10									
1-2-3-4 MB-2508V				2.4484/2.4493	0.0005/0.0028	0.0955	2.6406/2.6416	0.8070	
5 MB-2509V(F)				2.4479/2.4488	0.0005/0.0028	0.0955	2.6406/2.6416	1.7180	
NOTE: V-Series Performance,Grooved Upper Halves Plain Lower Halves									
Main Bearing Set VP-2 MS-909VX STD									
1-2-3-4 MB-2508VX				2.4484/2.4493	0.0015/0.0038	0.0950	2.6406/2.6416	0.8070	
5 MB-2509VX(F)				2.4479/2.4488	0.0015/0.0038	0.0950	2.6406/2.6416	1.7180	
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves									
Main Bearing Set TM-77 MS-974P STD,10									
1-2-3-4 MB-2547P				2.4479/2.4488	0.0011/0.0039	0.0953	2.6406/2.6415	0.8070	
5 MB-2548P(F)				2.4479/2.4488	0.0011/0.0039	0.0953	2.6406/2.6415	1.7180	
NOTE: P-Series Performance,Contains Full Grooved Bearings									
Main Bearing Set TM-77 MS-1110H STD,1,10									
1-2-3-4 MB-2650H				2.2983/2.2993	0.0005/0.0031	0.1705	2.6406/2.6416	0.8070	
5 MB-2651C						0.0753	2.6406/2.6416	1.5200	
5 MB-1769H(F)				2.2978/2.2988	0.0010/0.0036	0.0954	2.4906/2.4916	1.7180	
NOTE: Engines Using 283 Crankshaft, H-Series Performance,Contains A Spacer To Be Used With Bearing In Position Number 5,Grooved Upper Halves Plain Lower Halves									
Main Bearing Set TM-77 MS-1110HX STD									
1-2-3-4 MB-2650HX				2.2983/2.2993	0.0015/0.0041	0.1700	2.6406/2.6416	0.8070	
5 MB-2651C						0.0753	2.6406/2.6416	1.5200	
5 MB-1769HX(F)				2.2978/2.2988	0.0020/0.0046	0.0949	2.4906/2.4916	1.7180	
NOTE: Engines Using 283 Crankshaft, H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Contains A Spacer To Be Used With Bearing In Position Number 5,Grooved Upper Halves Plain Lower Halves									
Main Bearing Set TM-77 MS-1523P STD,1,10									
1-2-3-4 MB-2853P				2.4479/2.4488	0.0011/0.0039	0.0953	2.6406/2.6415	0.8070	
5 MB-2548P(F)				2.4479/2.4488	0.0011/0.0039	0.0953	2.6406/2.6415	1.7180	
NOTE: P-Series Performance,Bearing For Position Number 5 Is Full Grooved,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves									
Main Bearing TM-77 MB-1769HX STD									
5 MB-1769HX(F)				2.2978/2.2988	0.0020/0.0046	0.0949	2.4906/2.4916	1.7180	
NOTE: Engines Using 283 Crankshaft, H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Contains Flanged Bearing Only,Grooved Upper Halves Plain Lower Halves									

High Performance/Race



GENERAL MOTORS CORP. (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
5 (Cont.)	262 CID (4.3L) Chevrolet V8 Cyl (1975-1976)				3.670in./93.2mm x 3.100in./78.7mm				5 (Cont.)
	267 CID (4.4L) Chevrolet V8 Cyl (1979-1982)				3.500in./88.9mm x 3.484in./88.5mm				
	302 CID (5.0L) Large Journal Chevrolet V8 Cyl (1968-1969)				4.000in./101.6mm x 3.347in./85mm				
	305 CID (5.0L) Chevrolet V8 Cyl (1976-1998)				3.736in./95mm x 3.484in./88.5mm				
	307 CID (5.0L) Chevrolet V8 Cyl (1968-1973)				3.875in./98.4mm x 3.250in./82.6mm				
	327 CID (5.4L) Large Journal Chevrolet V8 Cyl (1968-1969)				4.000in./101.6mm x 3.250in./82.6mm				
	350 CID (5.7L) Generation I Chevrolet V8 Cyl (1967-1998)				4.000in./101.6mm x 3.484in./88.5mm				
	350 CID (5.7L) Generation II Chevrolet V8 Cyl (1992-1997)				4.000in./101.6mm x 3.484in./88.5mm				
Cam Bearing Set 1	AL-3	SH-1349S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500	
2-5		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500	
3-4		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500	
3-4		SH-1351							
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500	
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"									
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500	
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"									
Cam Bearing Set 1-2-3-4-5	TM-1	SH-1528S	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500	
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"									
Cam Bearing Set 1	AL-3	SH-1772S	STD	1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500	
2-3-4-5		SH-1351		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700	
NOTE: Aluminum Block									
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1796S	STD	1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500	
NOTE: Oversize Align Bored Blocks With Housing Bore Diameter 1.9990"/2.0010"									
Cam Bearing Set 1-2-3-4-5	TM-1	SH-1808S	STD	1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.7500	
NOTE: Engines With Cam 1.9485/1.9495" Journal Diameter And 2.1195/2.1205" Housing Bore, "Big Block" Cam Bearing Diameters									
Rod Forging	3185281, 3703526, 3703527, 3784000, 3815281, 3892671, 3916396, 3923282, 3946841								
C/S Forging	1130, 1178, 1182, 2680, 2690, 3279, 4577, 4672, 6764, 230376, 306275, 306276, 310514, 354431, 3727499, 3729449, 3732444, 3734627, 3735236, 3782680, 3782690, 3815822, 3832442, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3911000, 3911001, 3911011, 391101A, 3912335, 3914681, 3914682, 3923278, 3930809, 3932444, 3941172, 3941174, 3941176, 3941184, 4568749, 5782680, 3835236TG								
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)								
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)								
Main Bearing	75 Lbs.Ft.								
6	265 CID (4.3L) Chevrolet V8 Cyl (1955-1957)				3.750in./95.3mm x 3.000in./76.2mm				6
Rod Bearing(8)	TM-77	CB-745H	STD,1,10,20,30	1.9990/2.0000	0.0004/0.0025	0.0621	2.1247/2.1252	0.8420	
NOTE: H-Series Performance,No Dowel Hole In Cap Half To Be Replaced By CB-745HN									
Rod Bearing(8)	TM-77	CB-745HD	STD,10	1.9990/2.0000	0.0004/0.0025	0.0621	2.1247/2.1252	0.8420	
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-745HND									
Rod Bearing(8)	TM-77	CB-745HDK	STD,10	1.9990/2.0000	0.0004/0.0025	0.0621	2.1247/2.1252	0.8420	
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-745HNDK									
Rod Bearing(8)	TM-77	CB-745HK	STD,1,10	1.9990/2.0000	0.0004/0.0025	0.0621	2.1247/2.1252	0.8420	
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half To Be Replaced By CB-745HNK									
Rod Bearing(8)	TM-77	CB-745HN	STD,1,10,20,30	1.9990/2.0000	0.0004/0.0025	0.0621	2.1247/2.1252	0.7920	
NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half									
Rod Bearing(8)	TM-77	CB-745HND	STD,10	1.9990/2.0000	0.0004/0.0025	0.0621	2.1247/2.1252	0.7920	
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance									



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
6 (Cont.)	265 CID (4.3L) Chevrolet V8 Cyl (1955-1957)			3.750in./95.3mm x 3.000in./76.2mm				6 (Cont.)
Rod Bearing(8)	TM-77	CB-745HNDK	STD,10	1.9990/2.0000	0.0004/0.0025	0.0621	2.1247/2.1252	0.7920
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-745HNK	STD,1,10	1.9990/2.0000	0.0004/0.0025	0.0621	2.1247/2.1252	0.7920
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-745HX	STD	1.9990/2.0000	0.0014/0.0035	0.0616	2.1247/2.1252	0.8420
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half To Be Replaced By CB-745HXN								
Rod Bearing(8)	TM-77	CB-745HXK	STD	1.9990/2.0000	0.0014/0.0035	0.0616	2.1247/2.1252	0.8420
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half To Be Replaced By CB-745HXNK								
Rod Bearing(8)	TM-77	CB-745HXN	STD	1.9990/2.0000	0.0014/0.0035	0.0616	2.1247/2.1252	0.7920
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-745HXNK	STD	1.9990/2.0000	0.0014/0.0035	0.0616	2.1247/2.1252	0.7920
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-745V-10 CB-745V		1.9990/2.0000	0.0011/0.0032	0.0619	2.1247/2.1252	0.8420
NOTE: V-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-745VN	STD,1	1.9990/2.0000	0.0010/0.0031	0.0620	2.1247/2.1252	0.7920
NOTE: V-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-745VXN	STD	1.9990/2.0000	0.0020/0.0041	0.0615	2.1247/2.1252	0.7920
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-823P	STD	1.9990/2.0000	0.0020/0.0045	0.0616	2.1247/2.1252	0.8420
NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-824P	STD,10	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
NOTE: P-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-1271P	STD	1.9990/2.0000	0.0020/0.0045	0.0606	2.1247/2.1252	0.8420
Lower		CB-1271P(L)		1.9990/2.0000	0.0020/0.0045	0.0626	2.1247/2.1252	0.8420
Upper		CB-1271P(U)						
NOTE: P-Series Performance,Bearing Is Patented DELTAWALL™ design,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half,Upper And Lower Halves Must Not Be Interchanged								
Rod Bearing(8)	TM-77	CB-1272P	STD,10	1.9990/2.0000	0.0010/0.0035	0.0611	2.1247/2.1252	0.8420
Lower		CB-1272P(L)		1.9990/2.0000	0.0010/0.0035	0.0631	2.1247/2.1252	0.8420
Upper		CB-1272P(U)						
NOTE: P-Series Performance,Bearing Is Patented DELTAWALL™ design,No Dowel Hole In Cap Half,Upper And Lower Halves Must Not Be Interchanged								
Main Bearing Set	TM-77	MS-429H	STD,1,10	2.2983/2.2993	0.0004/0.0030	0.0954	2.4906/2.4916	0.8070
1-2-3-4		MB-1808H						
5		MB-1769H(F)		2.2978/2.2988	0.0010/0.0036	0.0954	2.4906/2.4916	1.7180
NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves								

High Performance/Race



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
6 (Cont.)	265 CID (4.3L) Chevrolet V8 Cyl (1955-1957)				3.750in./95.3mm x 3.000in./76.2mm			6 (Cont.)
Main Bearing Set 1-2-3-4 5	TM-77	MS-429HK MB-1808H MB-1769H(F)	STD,1,10	2.2983/2.2993 2.2978/2.2988	0.0004/0.0030 0.0010/0.0036	0.0954 0.0954	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
NOTE: H-Series Performance With TriArmor™,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set 1-2-3-4 5	TM-77	MS-429HX MB-1808HX MB-1769HX(F)	STD	2.2983/2.2993 2.2978/2.2988	0.0014/0.0040 0.0020/0.0046	0.0949 0.0949	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-3-4 5	TM-77	MS-429HXX MB-1808HX MB-1769HX(F)	STD	2.2983/2.2993 2.2978/2.2988	0.0014/0.0040 0.0020/0.0046	0.0949 0.0949	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set 1-2-3-4 5	VP-2	MS-429V MB-1808V MB-1769V(F)	STD,1,10	2.2983/2.2993 2.2978/2.2988	0.0003/0.0031 0.0010/0.0036	0.0954 0.0954	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
NOTE: V-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-3-4 5	VP-2	MS-429VG MB-1808VG MB-1769VG(F)	STD,1	2.2983/2.2993 2.2978/2.2988	0.0003/0.0031 0.0010/0.0036	0.0954 0.0954	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
NOTE: V-Series Performance,Contains Full Grooved Bearings								
Main Bearing Set 1-2-3-4 5	VP-2	MS-429VGX MB-1808VGX MB-1769VGX(F)	STD	2.2983/2.2993 2.2978/2.2988	0.0013/0.0041 0.0020/0.0046	0.0949 0.0949	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Contains Full Grooved Bearings								
Main Bearing Set 1-2-3-4 5	VP-2	MS-429VX MB-1808VX MB-1769VX(F)	STD	2.2983/2.2993 2.2978/2.2988	0.0013/0.0041 0.0020/0.0046	0.0949 0.0949	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing 5	TM-77	MB-1769HX MB-1769HX(F)	STD	2.2978/2.2988	0.0020/0.0046	0.0949	2.4906/2.4916	1.7180
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Contains Flanged Bearing Only,Grooved Upper Halves Plain Lower Halves								
Cam Bearing Set 1 2 3-4 5	B-1	SH-287S SH-290 SH-288 SH-287 SH-289	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644 0.0694	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500 0.9500
Rod Forging	3703526, 3703527, 3784000, 3815281							
C/S Forging	1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3835236TG							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft.							
7	283 CID (4.6L) Chevrolet V8 Cyl (1957-1967)				3.875in./98.4mm x 3.000in./76.2mm			7
302 CID (5.0L) Small Journal Chevrolet V8 Cyl (1967)				4.000in./101.6mm x 3.347in./85mm			7	
327 CID (5.4L) Small Journal Chevrolet V8 Cyl (1962-1967)				4.000in./101.6mm x 3.250in./82.6mm			7	
Rod Bearing(8) NOTE: H-Series Performance,No Dowel Hole In Cap Half To Be Replaced By CB-745HN	TM-77	CB-745H	STD,1,10,20,30	1.9990/2.0000	0.0004/0.0025	0.0621	2.1247/2.1252	0.8420
Rod Bearing(8) NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-745HND	TM-77	CB-745HD	STD,10	1.9990/2.0000	0.0004/0.0025	0.0621	2.1247/2.1252	0.8420



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
7 (Cont.)	283 CID (4.6L) Chevrolet V8 Cyl (1957-1967)				3.875in./98.4mm x 3.000in./76.2mm			7 (Cont.)
	302 CID (5.0L) Small Journal Chevrolet V8 Cyl (1967)				4.000in./101.6mm x 3.347in./85mm			
	327 CID (5.4L) Small Journal Chevrolet V8 Cyl (1962-1967)				4.000in./101.6mm x 3.250in./82.6mm			
Rod Bearing(8)	TM-77	CB-745HDK	STD,10	1.9990/2.0000	0.0004/0.0025	0.0621	2.1247/2.1252	0.8420
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-745HNDK								
Rod Bearing(8)	TM-77	CB-745HK	STD,1,10	1.9990/2.0000	0.0004/0.0025	0.0621	2.1247/2.1252	0.8420
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half To Be Replaced By CB-745HNK								
Rod Bearing(8)	TM-77	CB-745HN	STD,1,10,20,30	1.9990/2.0000	0.0004/0.0025	0.0621	2.1247/2.1252	0.7920
NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-745HND	STD,10	1.9990/2.0000	0.0004/0.0025	0.0621	2.1247/2.1252	0.7920
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-745HNDK	STD,10	1.9990/2.0000	0.0004/0.0025	0.0621	2.1247/2.1252	0.7920
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-745HNK	STD,1,10	1.9990/2.0000	0.0004/0.0025	0.0621	2.1247/2.1252	0.7920
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-745HX	STD	1.9990/2.0000	0.0014/0.0035	0.0616	2.1247/2.1252	0.8420
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half To Be Replaced By CB-745HXN								
Rod Bearing(8)	TM-77	CB-745HXK	STD	1.9990/2.0000	0.0014/0.0035	0.0616	2.1247/2.1252	0.8420
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half To Be Replaced By CB-745HXNK								
Rod Bearing(8)	TM-77	CB-745HXN	STD	1.9990/2.0000	0.0014/0.0035	0.0616	2.1247/2.1252	0.7920
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-745HXNK	STD	1.9990/2.0000	0.0014/0.0035	0.0616	2.1247/2.1252	0.7920
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-745V-10 CB-745V		1.9990/2.0000	0.0011/0.0032	0.0619	2.1247/2.1252	0.8420
NOTE: V-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-745VN	STD,1	1.9990/2.0000	0.0010/0.0031	0.0620	2.1247/2.1252	0.7920
NOTE: V-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-745VXN	STD	1.9990/2.0000	0.0020/0.0041	0.0615	2.1247/2.1252	0.7920
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-823P	STD	1.9990/2.0000	0.0020/0.0045	0.0616	2.1247/2.1252	0.8420
NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-824P	STD,10	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
NOTE: P-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								

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GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
7 (Cont.)	283 CID (4.6L) Chevrolet V8 Cyl (1957-1967) 302 CID (5.0L) Small Journal Chevrolet V8 Cyl (1967) 327 CID (5.4L) Small Journal Chevrolet V8 Cyl (1962-1967)				3.875in./98.4mm x 3.000in./76.2mm 4.000in./101.6mm x 3.347in./85mm 4.000in./101.6mm x 3.250in./82.6mm			7 (Cont.)
Rod Bearing(8)	TM-77	CB-1271P	STD					
Lower		CB-1271P(L)		1.9990/2.0000	0.0020/0.0045	0.0606	2.1247/2.1252	0.8420
Upper		CB-1271P(U)		1.9990/2.0000	0.0020/0.0045	0.0626	2.1247/2.1252	0.8420
NOTE: P-Series Performance,Bearing Is Patented DELTAWALL™ design,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half,Upper And Lower Halves Must Not Be Interchanged								
Rod Bearing(8)	TM-77	CB-1272P	STD,10					
Lower		CB-1272P(L)		1.9990/2.0000	0.0010/0.0035	0.0611	2.1247/2.1252	0.8420
Upper		CB-1272P(U)		1.9990/2.0000	0.0010/0.0035	0.0631	2.1247/2.1252	0.8420
NOTE: P-Series Performance,Bearing Is Patented DELTAWALL™ design,No Dowel Hole In Cap Half,Upper And Lower Halves Must Not Be Interchanged								
Main Bearing Set	TM-77	MS-429H	STD,1,10					
1-2-3-4		MB-1808H		2.2983/2.2993	0.0004/0.0030	0.0954	2.4906/2.4916	0.8070
5		MB-1769H(F)		2.2978/2.2988	0.0010/0.0036	0.0954	2.4906/2.4916	1.7180
NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-429HK	STD,1,10					
1-2-3-4		MB-1808H		2.2983/2.2993	0.0004/0.0030	0.0954	2.4906/2.4916	0.8070
5		MB-1769H(F)		2.2978/2.2988	0.0010/0.0036	0.0954	2.4906/2.4916	1.7180
NOTE: H-Series Performance With TriArmor™,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set	TM-77	MS-429HX	STD					
1-2-3-4		MB-1808HX		2.2983/2.2993	0.0014/0.0040	0.0949	2.4906/2.4916	0.8070
5		MB-1769HX(F)		2.2978/2.2988	0.0020/0.0046	0.0949	2.4906/2.4916	1.7180
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-429HXX	STD					
1-2-3-4		MB-1808HX		2.2983/2.2993	0.0014/0.0040	0.0949	2.4906/2.4916	0.8070
5		MB-1769HX(F)		2.2978/2.2988	0.0020/0.0046	0.0949	2.4906/2.4916	1.7180
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set	VP-2	MS-429V	STD,1,10					
1-2-3-4		MB-1808V		2.2983/2.2993	0.0003/0.0031	0.0954	2.4906/2.4916	0.8070
5		MB-1769V(F)		2.2978/2.2988	0.0010/0.0036	0.0954	2.4906/2.4916	1.7180
NOTE: V-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	VP-2	MS-429VG	STD,1					
1-2-3-4		MB-1808VG		2.2983/2.2993	0.0003/0.0031	0.0954	2.4906/2.4916	0.8070
5		MB-1769VG(F)		2.2978/2.2988	0.0010/0.0036	0.0954	2.4906/2.4916	1.7180
NOTE: V-Series Performance,Contains Full Grooved Bearings								
Main Bearing Set	VP-2	MS-429VGX	STD					
1-2-3-4		MB-1808VGX		2.2983/2.2993	0.0013/0.0041	0.0949	2.4906/2.4916	0.8070
5		MB-1769VGX(F)		2.2978/2.2988	0.0020/0.0046	0.0949	2.4906/2.4916	1.7180
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Contains Full Grooved Bearings								
Main Bearing Set	VP-2	MS-429VX	STD					
1-2-3-4		MB-1808VX		2.2983/2.2993	0.0013/0.0041	0.0949	2.4906/2.4916	0.8070
5		MB-1769VX(F)		2.2978/2.2988	0.0020/0.0046	0.0949	2.4906/2.4916	1.7180
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing	TM-77	MB-1769HX	STD					
5		MB-1769HX(F)		2.2978/2.2988	0.0020/0.0046	0.0949	2.4906/2.4916	1.7180
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Contains Flanged Bearing Only,Grooved Upper Halves Plain Lower Halves								
Cam Bearing Set	B-1	SH-287S	STD					
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
5		SH-289		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.9500
NOTE: 1957-1963								



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
7 (Cont.)	283 CID (4.6L) Chevrolet V8 Cyl (1957-1967)			3.875in./98.4mm x 3.000in./76.2mm				7 (Cont.)
	302 CID (5.0L) Small Journal Chevrolet V8 Cyl (1967)			4.000in./101.6mm x 3.347in./85mm				
	327 CID (5.4L) Small Journal Chevrolet V8 Cyl (1962-1967)			4.000in./101.6mm x 3.250in./82.6mm				
Cam Bearing Set 1 2-5 3-4	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: 1964-1967								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: 1964-1967, Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: 1964-1967, Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Cam Bearing Set 1-2-3-4-5	TM-1	SH-1528S SH-1528	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: 1964-1967, Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1796S SH-1351	STD	1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: 1964-1967, Oversize Align Bored Blocks With Housing Bore Diameter 1.9990"/2.0010"								
Cam Bearing Set 1-2-3-4-5	B-1	SH-1797S SH-287	STD	1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: 1957-1963, Oversize Align Bored Blocks With Housing Bore Diameter 1.9990"/2.0010"								
Rod Forging C/S Forging	3185281, 3703526, 3703527, 3784000, 3815281 1130, 1178, 1182, 2680, 3279, 4577, 4672, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3782680, 3782690, 3815822, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3911000, 3911001, 3911011, 391101A, 3914681, 3914682, 3923278, 3930809, 3941172, 3941174, 3941176, 5782680, 3835236TG							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft. (283 CID (4.6L) ,327 CID (5.4L))							
Main Bearing	80 Lbs.Ft. (302 CID (5.0L))							
8	294 CID (4.8L) Vortec 4800 Chevrolet V8 Cyl (1999-2007)			3.780in./96mm x 3.268in./83mm				8
	325 CID (5.3L) Vortec 5300 Chevrolet V8 Cyl (1999-2007)			3.780in./96mm x 3.622in./92mm				
	346 CID (5.7L) Generation III Chevrolet V8 Cyl (1997-2004)			3.898in./99mm x 3.622in./92mm				
	365 CID (6.0L) Vortec 6000 Chevrolet V8 Cyl (1999-2007)			4.000in./101.6mm x 3.622in./92mm				
Rod Bearing(8)	TM-77	CB-663H	STD,1,9,10,11,19,20,21	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
NOTE: H-Series Performance, No Dowel Hole In Cap Half To Be Replaced By CB-663HN								
Rod Bearing(8)	TM-77	CB-663HD	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
NOTE: H-Series Performance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-663HND								
Rod Bearing(8)	TM-77	CB-663HDK	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™, Dowel Hole In Cap Half, Maximum Wall Does Not Include Coating Thickness, May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-663HNDK								
Rod Bearing(8)	TM-77	CB-663HK	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™, Maximum Wall Does Not Include Coating Thickness, No Dowel Hole In Cap Half To Be Replaced By CB-663HNK								
Rod Bearing(8)	TM-77	CB-663HN	STD,1,9,10,11,19,20,21,30	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.7920
NOTE: H-Series Performance, Narrowed On One Side For Increased Crank Fillet Clearance, No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-663HND	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.7920
NOTE: H-Series Performance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod, Narrowed On One Side For Increased Crank Fillet Clearance								

High Performance/Race



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
8 (Cont.)	294 CID (4.8L) Vortec 4800 Chevrolet V8 Cyl (1999-2007)				3.780in./96mm x 3.268in./83mm			8 (Cont.)
	325 CID (5.3L) Vortec 5300 Chevrolet V8 Cyl (1999-2007)				3.780in./96mm x 3.622in./92mm			
	346 CID (5.7L) Generation III Chevrolet V8 Cyl (1997-2004)				3.898in./99mm x 3.622in./92mm			
	365 CID (6.0L) Vortec 6000 Chevrolet V8 Cyl (1999-2007)				4.000in./101.6mm x 3.622in./92mm			
Rod Bearing(8)	TM-77	CB-663HNDK	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.7920
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-663HNDK	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.7920
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-663HX	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
To Be Replaced By CB-663HXN								
Rod Bearing(8)	TM-77	CB-663HXD	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
To Be Replaced By CB-663HXND								
Rod Bearing(8)	TM-77	CB-663HXDK	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod								
To Be Replaced By CB-663HXNDK								
Rod Bearing(8)	TM-77	CB-663HXK	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
To Be Replaced By CB-663HXNK								
Rod Bearing(8)	TM-77	CB-663HXN	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.7920
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-663HXND	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.7920
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-663HXNDK	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.7920
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-663HXNK	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.7920
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-663VN	STD,1,10,20	2.0990/2.1000	0.0008/0.0028	0.0621	2.2247/2.2252	0.7920
NOTE: V-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-663VXN	STD	2.0990/2.1000	0.0018/0.0038	0.0616	2.2247/2.2252	0.7920
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-663VXX	STD	2.0990/2.1000	0.0028/0.0048	0.0611	2.2247/2.2252	0.8420
NOTE: V-Series Performance,Bearing Walls .0010" Thinner For .0020" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-825P	STD	2.0990/2.1000	0.0020/0.0045	0.0616	2.2247/2.2252	0.8420
NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
8 (Cont.)	294 CID (4.8L) Vortec 4800 Chevrolet V8 Cyl (1999-2007)			3.780in./96mm x 3.268in./83mm				8 (Cont.)
	325 CID (5.3L) Vortec 5300 Chevrolet V8 Cyl (1999-2007)			3.780in./96mm x 3.622in./92mm				
	346 CID (5.7L) Generation III Chevrolet V8 Cyl (1997-2004)			3.898in./99mm x 3.622in./92mm				
	365 CID (6.0L) Vortec 6000 Chevrolet V8 Cyl (1999-2007)			4.000in./101.6mm x 3.622in./92mm				
Rod Bearing(8)	TM-77	CB-826P	STD,1,10	2.0990/2.1000	0.0010/0.0035	0.0621	2.2247/2.2252	0.8420
NOTE: P-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-1263P	STD					
Lower		CB-1263P(L)		2.0990/2.1000	0.0020/0.0045	0.0606	2.2247/2.2252	0.8420
Upper		CB-1263P(U)		2.0990/2.1000	0.0020/0.0045	0.0626	2.2247/2.2252	0.8420
NOTE: P-Series Performance,Bearing Is Patented DELTAWALL™ design,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half,Upper And Lower Halves Must Not Be Interchanged								
Rod Bearing(8)	TM-77	CB-1264P	STD,1,10					
Lower		CB-1264P(L)		2.0990/2.1000	0.0010/0.0035	0.0611	2.2247/2.2252	0.8420
Upper		CB-1264P(U)		2.0990/2.1000	0.0010/0.0035	0.0631	2.2247/2.2252	0.8420
NOTE: P-Series Performance,Bearing Is Patented DELTAWALL™ design,No Dowel Hole In Cap Half,Upper And Lower Halves Must Not Be Interchanged								
Rod Bearing(8)	TM-77	CB-1274P	STD	2.0990/2.1000	0.0020/0.0045	0.0616	2.2247/2.2252	0.8420
NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1275P	STD,1,10	2.0990/2.1000	0.0010/0.0035	0.0621	2.2247/2.2252	0.8420
NOTE: P-Series Performance,No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-2199H	STD,1,10					
1-2-4-5		MB-3591H		2.5588/2.5593	0.0005/0.0026	0.0957	2.7509/2.7514	0.8050
3		MB-3592H(F)		2.5588/2.5593	0.0005/0.0026	0.0957	2.7509/2.7514	1.0280
NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-2199HK	STD,1,10					
1-2-4-5		MB-3591H		2.5588/2.5593	0.0005/0.0026	0.0957	2.7509/2.7514	0.8050
3		MB-3592H(F)		2.5588/2.5593	0.0005/0.0026	0.0957	2.7509/2.7514	1.0280
NOTE: H-Series Performance With TriArmor™,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set	TM-77	MS-2199HX	STD					
1-2-4-5		MB-3591HX		2.5588/2.5593	0.0015/0.0036	0.0952	2.7509/2.7514	0.8050
3		MB-3592HX(F)		2.5588/2.5593	0.0015/0.0036	0.0952	2.7509/2.7514	1.0280
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-2199HXX	STD					
1-2-4-5		MB-3591HX		2.5588/2.5593	0.0015/0.0036	0.0952	2.7509/2.7514	0.8050
3		MB-3592HX(F)		2.5588/2.5593	0.0015/0.0036	0.0952	2.7509/2.7514	1.0280
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Cam Bearing Set	B-1	SH-1814S	STD					
1-5		SH-1814		2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6350
2-4		SH-1815		2.1650/2.1670	0.0011/0.0063	0.0740	2.3161/2.3181	0.6350
3		SH-1816		2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
NOTE: 1997-2002,2003 1st Design; Positions 1 And 5 Housing Bore is 2.3260"/2.3280"								
Cam Bearing Set	B-1	SH-1995S	STD					
1-5		SH-1995		2.1650/2.1670	0.0011/0.0063	0.0890	2.3460/2.3480	0.6350
2-4		SH-1814		2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6350
3		SH-1816		2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
NOTE: 2004-2007,2003 2nd Design; Positions 1 And 5 Housing Bore is 2.3460"/2.3480"								
9	326 CID (5.3L) Pontiac V8 Cyl (1963-1967)			3.719in./94.5mm x 3.750in./95.3mm				9
	350 CID (5.7L) Pontiac V8 Cyl (1968-1977)			3.875in./98.4mm x 3.750in./95.3mm				
	389 CID (6.4L) Pontiac V8 Cyl (1959-1966)			4.063in./103.2mm x 3.750in./95.3mm				
	400 CID (6.6L) Pontiac V8 Cyl (1967-1979)			4.120in./104.6mm x 3.750in./95.3mm				
Rod Bearing(8)	TM-77	CB-758H	STD,10	2.2487/2.2497	0.0011/0.0032	0.0619	2.3745/2.3750	0.8860
NOTE: H-Series Performance,No Dowel Hole In Cap Half To Be Replaced By CB-758HN								
Rod Bearing(8)	TM-77	CB-758HN	STD,1,10	2.2487/2.2497	0.0011/0.0032	0.0619	2.3745/2.3750	0.8460
NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
9 (Cont.)	326 CID (5.3L) Pontiac V8 Cyl (1963-1967)				3.719in./94.5mm x 3.750in./95.3mm			9 (Cont.)
	350 CID (5.7L) Pontiac V8 Cyl (1968-1977)				3.875in./98.4mm x 3.750in./95.3mm			
	389 CID (6.4L) Pontiac V8 Cyl (1959-1966)				4.063in./103.2mm x 3.750in./95.3mm			
	400 CID (6.6L) Pontiac V8 Cyl (1967-1979)				4.120in./104.6mm x 3.750in./95.3mm			
Rod Bearing(8)	TM-77	CB-758HXN	STD	2.2487/2.2497	0.0021/0.0042	0.0614	2.3745/2.3750	0.8460
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Main Bearing Set 1-2-3 4 5	TM-77	MS-496P MB-1917P MB-1918P(F) MB-1891P	STD,10,20,30	2.9990/3.0000 2.9990/3.0000 2.9990/3.0000	0.0007/0.0038 0.0007/0.0038 0.0007/0.0038	0.0938 0.0938 0.0938	3.1880/3.1890 3.1880/3.1890 3.1880/3.1890	0.9430 1.1350 1.5950
NOTE: Contains Full Grooved Bearings								
Cam Bearing Set 1-2-3-4-5	B-1	SH-292S SH-292	STD	1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	0.6900
Rod Forging C/S Forging	529007, 529238, 529938, 532294, 541000, 544956 4813, 97954, 103427, 481379, 481380, 493654, 496452, 531369, 541585, 544191, 9773382, 9773383, 9773524, 9773573, 9782646, 9782770, 9783785, 9783786, 9793573, 9794054, 9795479							
Connecting Rod Main Bearing Main Bearing	45 Lbs.Ft. 120 Lbs.Ft. (Rear Bearing Cap) 95 Lbs.Ft. (Except Rear Bearing Cap)							
10	348 CID (5.7L) Chevrolet V8 Cyl (1958-1961)				4.125in./104.8mm x 3.250in./82.6mm			10
	409 CID (6.7L) Chevrolet V8 Cyl (1961-1965)				4.313in./109.6mm x 3.500in./88.9mm			
Rod Bearing(8)	TM-77	CB-743H	STD,1,9,10,11,19,20,21	2.1990/2.2000	0.0010/0.0031	0.0619	2.3247/2.3252	0.8920
NOTE: H-Series Performance,No Dowel Hole In Cap Half To Be Replaced By CB-743HN								
Rod Bearing(8)	TM-77	CB-743HD	STD,1,9,10,11	2.1990/2.2000	0.0010/0.0031	0.0619	2.3247/2.3252	0.8920
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-743HND								
Rod Bearing(8)	TM-77	CB-743HDK	STD,1,10	2.1990/2.2000	0.0010/0.0031	0.0619	2.3247/2.3252	0.8920
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-743HNDK								
Rod Bearing(8)	TM-77	CB-743HK	STD,1,10	2.1990/2.2000	0.0010/0.0031	0.0619	2.3247/2.3252	0.8920
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half To Be Replaced By CB-743HNK								
Rod Bearing(8)	TM-77	CB-743HN	STD,1,9,10,11,19,20,21,30	2.1990/2.2000	0.0010/0.0031	0.0619	2.3247/2.3252	0.8420
NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-743HND	STD,1,9,10,11	2.1990/2.2000	0.0010/0.0031	0.0619	2.3247/2.3252	0.8420
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-743HNDK	STD,1,10	2.1990/2.2000	0.0010/0.0031	0.0619	2.3247/2.3252	0.8420
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-743HNK	STD,1,10	2.1990/2.2000	0.0010/0.0031	0.0619	2.3247/2.3252	0.8420
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-743HX	STD	2.1990/2.2000	0.0020/0.0041	0.0614	2.3247/2.3252	0.8920
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half To Be Replaced By CB-743HXN								
Rod Bearing(8)	TM-77	CB-743HXD	STD	2.1990/2.2000	0.0020/0.0041	0.0614	2.3247/2.3252	0.8920
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-743HXND								



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
10 (Cont.)	348 CID (5.7L) Chevrolet V8 Cyl (1958-1961)			4.125in./104.8mm x 3.250in./82.6mm				10 (Cont.)
	409 CID (6.7L) Chevrolet V8 Cyl (1961-1965)			4.313in./109.6mm x 3.500in./88.9mm				
Rod Bearing(8)	TM-77	CB-743HXDK	STD	2.1990/2.2000	0.0020/0.0041	0.0614	2.3247/2.3252	0.8920
NOTE: H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Dowel Hole In Cap Half, Maximum Wall Does Not Include Coating Thickness, May Also Be Used In Engines Without Doweled Connecting Rod								
To Be Replaced By CB-743HXNDK								
Rod Bearing(8)	TM-77	CB-743HXK	STD	2.1990/2.2000	0.0020/0.0041	0.0614	2.3247/2.3252	0.8920
NOTE: H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Maximum Wall Does Not Include Coating Thickness, No Dowel Hole In Cap Half								
To Be Replaced By CB-743HXNK								
Rod Bearing(8)	TM-77	CB-743HXN	STD	2.1990/2.2000	0.0020/0.0041	0.0614	2.3247/2.3252	0.8420
NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Narrowed On One Side For Increased Crank Fillet Clearance, No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-743HXND	STD	2.1990/2.2000	0.0020/0.0041	0.0614	2.3247/2.3252	0.8420
NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod, Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-743HXNDK	STD	2.1990/2.2000	0.0020/0.0041	0.0614	2.3247/2.3252	0.8420
NOTE: H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Dowel Hole In Cap Half, Maximum Wall Does Not Include Coating Thickness, May Also Be Used In Engines Without Doweled Connecting Rod, Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-743HXNK	STD	2.1990/2.2000	0.0020/0.0041	0.0614	2.3247/2.3252	0.8420
NOTE: H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Maximum Wall Does Not Include Coating Thickness, Narrowed On One Side For Increased Crank Fillet Clearance, No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-743V	STD, 1, 10, 20	2.1990/2.2000	0.0009/0.0030	0.0619	2.3247/2.3252	0.8920
NOTE: V-Series Performance, No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-743VND	STD, 1, 10, 20	2.1990/2.2000	0.0009/0.0034	0.0620	2.3247/2.3252	0.8420
NOTE: V-Series Performance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod, Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	VP-2	CB-743VNDX	STD	2.1990/2.2000	0.0019/0.0044	0.0615	2.3247/2.3252	0.8420
NOTE: V-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod, Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	VP-2	CB-743VX	STD	2.1990/2.2000	0.0019/0.0040	0.0614	2.3247/2.3252	0.8920
NOTE: V-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, No Dowel Hole In Cap Half								
Rod Bearing(8)	B-2	CB-829M	STD, 10	2.1990/2.2000	0.0010/0.0031	0.0622	2.3247/2.3252	0.8920
NOTE: M-Series Performance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-955P	STD	2.1990/2.2000	0.0024/0.0049	0.0615	2.3247/2.3252	0.8920
NOTE: P-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-956P	STD, 1, 10	2.1990/2.2000	0.0014/0.0039	0.0620	2.3247/2.3252	0.8920
NOTE: P-Series Performance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-1281P	STD	2.1990/2.2000	0.0024/0.0049	0.0615	2.3247/2.3252	0.8920
NOTE: P-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1282P	STD, 1, 10	2.1990/2.2000	0.0014/0.0039	0.0620	2.3247/2.3252	0.8920
NOTE: P-Series Performance, No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-458H	STD, 1	2.4980/2.4990	0.0006/0.0032	0.0937	2.6870/2.6880	1.0470
1-2-3-4		MB-1840H		2.4980/2.4990	0.0020/0.0046	0.0930	2.6870/2.6880	1.8110
5		MB-1841H(F)						
NOTE: H-Series Performance, Grooved Upper Halves Plain Lower Halves								

High Performance/Race



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
10 (Cont.)	348 CID (5.7L) Chevrolet V8 Cyl (1958-1961)			4.125in./104.8mm x 3.250in./82.6mm				10 (Cont.)
	409 CID (6.7L) Chevrolet V8 Cyl (1961-1965)			4.313in./109.6mm x 3.500in./88.9mm				
Main Bearing Set 1-2-3-4 5	TM-77	MS-458HX MB-1840HX MB-1841HX(F)	STD	2.4980/2.4990 2.4980/2.4990	0.0016/0.0042 0.0030/0.0056	0.0932 0.0925	2.6870/2.6880 2.6870/2.6880	1.0470 1.8110
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Cam Bearing Set 1 2 3-4 5	AL-3	SH-398S SH-398 SH-399 SH-400 SH-401	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0005/0.0050 0.0005/0.0050 0.0005/0.0050 0.0005/0.0050	0.0747 0.0697 0.0647 0.0697	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010 2.0090/2.0110	0.8700 0.8700 0.8700 0.9500
Rod Forging C/S Forging	3732717, 3795624, 3837686 0819, 3732692, 3733223, 3733226, 3741640, 3741642, 3788072, 3795589, 3824544, 3824553, 3824554, 3829027, 3837466, 3838396, 0-191561, 0-191561							
Connecting Rod Main Bearing	35 To 45 Lbs.Ft. 90 To 100 Lbs.Ft.							
11	365 CID (6.0L) 6000 LS2 Chevrolet V8 Cyl (2005)			4.000in./101.6mm x 3.622in./92mm				11
Rod Bearing(8)	TM-77	CB-663H	STD,1,9,10,11,19,20,21	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
NOTE: H-Series Performance,No Dowel Hole In Cap Half To Be Replaced By CB-663HN								
Rod Bearing(8)	TM-77	CB-663HD	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-663HND								
Rod Bearing(8)	TM-77	CB-663HDK	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-663HNDK								
Rod Bearing(8)	TM-77	CB-663HK	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half To Be Replaced By CB-663HNK								
Rod Bearing(8)	TM-77	CB-663HN	STD,1,9,10,11,19,20,21,30	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.7920
NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-663HND	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.7920
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-663HNDK	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.7920
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-663HNK	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.7920
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-663HX	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half To Be Replaced By CB-663HXN								
Rod Bearing(8)	TM-77	CB-663HXD	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-663HXND								
Rod Bearing(8)	TM-77	CB-663HXDK	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-663HXNDK								



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
11 (Cont.)	365 CID (6.0L) 6000 LS2 Chevrolet V8 Cyl (2005)			4.000in./101.6mm x 3.622in./92mm				11 (Cont.)
Rod Bearing(8)	TM-77	CB-663HXX	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Maximum Wall Does Not Include Coating Thickness, No Dowel Hole In Cap Half To Be Replaced By CB-663HXNK								
Rod Bearing(8)	TM-77	CB-663HXN	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.7920
NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Narrowed On One Side For Increased Crank Fillet Clearance, No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-663HXND	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.7920
NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod, Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-663HXNDK	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.7920
NOTE: H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Dowel Hole In Cap Half, Maximum Wall Does Not Include Coating Thickness, May Also Be Used In Engines Without Doweled Connecting Rod, Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-663HXNK	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.7920
NOTE: H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Maximum Wall Does Not Include Coating Thickness, Narrowed On One Side For Increased Crank Fillet Clearance, No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-663VN	STD, 1, 10, 20	2.0990/2.1000	0.0008/0.0028	0.0621	2.2247/2.2252	0.7920
NOTE: V-Series Performance, Narrowed On One Side For Increased Crank Fillet Clearance, No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-663VXN	STD	2.0990/2.1000	0.0018/0.0038	0.0616	2.2247/2.2252	0.7920
NOTE: V-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Narrowed On One Side For Increased Crank Fillet Clearance, No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-663VXX	STD	2.0990/2.1000	0.0028/0.0048	0.0611	2.2247/2.2252	0.8420
NOTE: V-Series Performance, Bearing Walls .0010" Thinner For .0020" More Oil Clearance, No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-825P	STD	2.0990/2.1000	0.0020/0.0045	0.0616	2.2247/2.2252	0.8420
NOTE: P-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-826P	STD, 1, 10	2.0990/2.1000	0.0010/0.0035	0.0621	2.2247/2.2252	0.8420
NOTE: P-Series Performance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-1263P	STD	2.0990/2.1000	0.0020/0.0045	0.0606	2.2247/2.2252	0.8420
Lower		CB-1263P(L)		2.0990/2.1000	0.0020/0.0045	0.0606	2.2247/2.2252	0.8420
Upper		CB-1263P(U)		2.0990/2.1000	0.0020/0.0045	0.0626	2.2247/2.2252	0.8420
NOTE: P-Series Performance, Bearing Is Patented DELTAWALL™ design, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, No Dowel Hole In Cap Half, Upper And Lower Halves Must Not Be Interchanged								
Rod Bearing(8)	TM-77	CB-1264P	STD, 1, 10	2.0990/2.1000	0.0010/0.0035	0.0611	2.2247/2.2252	0.8420
Lower		CB-1264P(L)		2.0990/2.1000	0.0010/0.0035	0.0611	2.2247/2.2252	0.8420
Upper		CB-1264P(U)		2.0990/2.1000	0.0010/0.0035	0.0631	2.2247/2.2252	0.8420
NOTE: P-Series Performance, Bearing Is Patented DELTAWALL™ design, No Dowel Hole In Cap Half, Upper And Lower Halves Must Not Be Interchanged								
Rod Bearing(8)	TM-77	CB-1274P	STD	2.0990/2.1000	0.0020/0.0045	0.0616	2.2247/2.2252	0.8420
NOTE: P-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1275P	STD, 1, 10	2.0990/2.1000	0.0010/0.0035	0.0621	2.2247/2.2252	0.8420
NOTE: P-Series Performance, No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-2199H	STD, 1, 10	2.5588/2.5593	0.0005/0.0026	0.0957	2.7509/2.7514	0.8050
1-2-4-5		MB-3591H		2.5588/2.5593	0.0005/0.0026	0.0957	2.7509/2.7514	0.8050
3		MB-3592H(F)						1.0280
NOTE: H-Series Performance, Grooved Upper Halves Plain Lower Halves								



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
11 (Cont.)	365 CID (6.0L) 6000 LS2 Chevrolet V8 Cyl (2005)				4.000in./101.6mm x 3.622in./92mm			11 (Cont.)
Main Bearing Set 1-2-4-5 3	TM-77	MS-2199HK MB-3591H MB-3592H(F)	STD,1,10	2.5588/2.5593 2.5588/2.5593	0.0005/0.0026 0.0005/0.0026	0.0957 0.0957	2.7509/2.7514 2.7509/2.7514	0.8050 1.0280
NOTE: H-Series Performance With TriArmor™,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set 1-2-4-5 3	TM-77	MS-2199HX MB-3591HX MB-3592HX(F)	STD	2.5588/2.5593 2.5588/2.5593	0.0015/0.0036 0.0015/0.0036	0.0952 0.0952	2.7509/2.7514 2.7509/2.7514	0.8050 1.0280
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-4-5 3	TM-77	MS-2199HXX MB-3591HX MB-3592HX(F)	STD	2.5588/2.5593 2.5588/2.5593	0.0015/0.0036 0.0015/0.0036	0.0952 0.0952	2.7509/2.7514 2.7509/2.7514	0.8050 1.0280
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Cam Bearing Set 1-5 2-4 3	B-1	SH-1995S SH-1995 SH-1814 SH-1816	STD	2.1650/2.1670 2.1650/2.1670 2.1650/2.1670	0.0011/0.0063 0.0011/0.0063 0.0011/0.0063	0.0890 0.0790 0.0692	2.3460/2.3480 2.3260/2.3280 2.3063/2.3083	0.6350 0.6350 0.6350
12	366 CID (6.0L) Chevrolet V8 Cyl (1966-1998) 396 CID (6.6L) Chevrolet V8 Cyl (1965-1970) 402 CID (6.6L) Chevrolet V8 Cyl (1970-1972) 427 CID (7.0L) Chevrolet V8 Cyl (1966-1998) 454 CID (7.4L) Chevrolet V8 Cyl (1970-2000) 502 CID (8.2L) Chevrolet V8 Cyl				3.938in./100mm x 3.766in./95.7mm 4.094in./104mm x 3.766in./95.7mm 4.125in./104.8mm x 3.766in./95.7mm 4.250in./108mm x 3.766in./95.7mm 4.250in./108mm x 4.000in./101.6mm 4.470in./113.5mm x 4.000in./101.6mm			12
Rod Bearing(8) NOTE: H-Series Performance,No Dowel Hole In Cap Half To Be Replaced By CB-743HN	TM-77	CB-743H	STD,1,9,10,11,19,20,21	2.1990/2.2000	0.0010/0.0031	0.0619	2.3247/2.3252	0.8920
Rod Bearing(8) NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-743HND	TM-77	CB-743HD	STD,1,9,10,11	2.1990/2.2000	0.0010/0.0031	0.0619	2.3247/2.3252	0.8920
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-743HNDK	TM-77	CB-743HDK	STD,1,10	2.1990/2.2000	0.0010/0.0031	0.0619	2.3247/2.3252	0.8920
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half To Be Replaced By CB-743HNK	TM-77	CB-743HK	STD,1,10	2.1990/2.2000	0.0010/0.0031	0.0619	2.3247/2.3252	0.8920
Rod Bearing(8) NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half	TM-77	CB-743HN	STD,1,9,10,11,19,20,21,30	2.1990/2.2000	0.0010/0.0031	0.0619	2.3247/2.3252	0.8420
Rod Bearing(8) NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance	TM-77	CB-743HND	STD,1,9,10,11	2.1990/2.2000	0.0010/0.0031	0.0619	2.3247/2.3252	0.8420
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance	TM-77	CB-743HNDK	STD,1,10	2.1990/2.2000	0.0010/0.0031	0.0619	2.3247/2.3252	0.8420
Rod Bearing(8) NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half	TM-77	CB-743HNK	STD,1,10	2.1990/2.2000	0.0010/0.0031	0.0619	2.3247/2.3252	0.8420
Rod Bearing(8) NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half To Be Replaced By CB-743HXN	TM-77	CB-743HX	STD	2.1990/2.2000	0.0020/0.0041	0.0614	2.3247/2.3252	0.8920



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
12 (Cont.)	366 CID (6.0L) Chevrolet V8 Cyl (1966-1998)				3.938in./100mm x 3.766in./95.7mm			12 (Cont.)
	396 CID (6.6L) Chevrolet V8 Cyl (1965-1970)				4.094in./104mm x 3.766in./95.7mm			
	402 CID (6.6L) Chevrolet V8 Cyl (1970-1972)				4.125in./104.8mm x 3.766in./95.7mm			
	427 CID (7.0L) Chevrolet V8 Cyl (1966-1998)				4.250in./108mm x 3.766in./95.7mm			
	454 CID (7.4L) Chevrolet V8 Cyl (1970-2000)				4.250in./108mm x 4.000in./101.6mm			
	502 CID (8.2L) Chevrolet V8 Cyl				4.470in./113.5mm x 4.000in./101.6mm			
Rod Bearing(8) TM-77 CB-743HXD STD NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-743HXND				2.1990/2.2000	0.0020/0.0041	0.0614	2.3247/2.3252	0.8920
Rod Bearing(8) TM-77 CB-743HXDK STD NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-743HXNDK				2.1990/2.2000	0.0020/0.0041	0.0614	2.3247/2.3252	0.8920
Rod Bearing(8) TM-77 CB-743HXK STD NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half To Be Replaced By CB-743HXNK				2.1990/2.2000	0.0020/0.0041	0.0614	2.3247/2.3252	0.8920
Rod Bearing(8) TM-77 CB-743HXN STD NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half				2.1990/2.2000	0.0020/0.0041	0.0614	2.3247/2.3252	0.8420
Rod Bearing(8) TM-77 CB-743HXND STD NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance				2.1990/2.2000	0.0020/0.0041	0.0614	2.3247/2.3252	0.8420
Rod Bearing(8) TM-77 CB-743HXNDK STD NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance				2.1990/2.2000	0.0020/0.0041	0.0614	2.3247/2.3252	0.8420
Rod Bearing(8) TM-77 CB-743HXNK STD NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half				2.1990/2.2000	0.0020/0.0041	0.0614	2.3247/2.3252	0.8420
Rod Bearing(8) VP-2 CB-743V STD,1,10,20 NOTE: V-Series Performance,No Dowel Hole In Cap Half				2.1990/2.2000	0.0009/0.0030	0.0619	2.3247/2.3252	0.8920
Rod Bearing(8) VP-2 CB-743VND STD,1,10,20 NOTE: V-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance				2.1990/2.2000	0.0009/0.0034	0.0620	2.3247/2.3252	0.8420
Rod Bearing(8) VP-2 CB-743VNDX STD NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance				2.1990/2.2000	0.0019/0.0044	0.0615	2.3247/2.3252	0.8420
Rod Bearing(8) VP-2 CB-743VX STD NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half				2.1990/2.2000	0.0019/0.0040	0.0614	2.3247/2.3252	0.8920
Rod Bearing(8) B-2 CB-829M STD,10 NOTE: M-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod				2.1990/2.2000	0.0010/0.0031	0.0622	2.3247/2.3252	0.8920
Rod Bearing(8) TM-77 CB-955P STD NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod				2.1990/2.2000	0.0024/0.0049	0.0615	2.3247/2.3252	0.8920
Rod Bearing(8) TM-77 CB-956P STD,1,10 NOTE: P-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod				2.1990/2.2000	0.0014/0.0039	0.0620	2.3247/2.3252	0.8920

High Performance/Race



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
12 (Cont.)	366 CID (6.0L) Chevrolet V8 Cyl (1966-1998)				3.938in./100mm x 3.766in./95.7mm			12 (Cont.)
	396 CID (6.6L) Chevrolet V8 Cyl (1965-1970)				4.094in./104mm x 3.766in./95.7mm			
	402 CID (6.6L) Chevrolet V8 Cyl (1970-1972)				4.125in./104.8mm x 3.766in./95.7mm			
	427 CID (7.0L) Chevrolet V8 Cyl (1966-1998)				4.250in./108mm x 3.766in./95.7mm			
	454 CID (7.4L) Chevrolet V8 Cyl (1970-2000)				4.250in./108mm x 4.000in./101.6mm			
	502 CID (8.2L) Chevrolet V8 Cyl				4.470in./113.5mm x 4.000in./101.6mm			
Rod Bearing(8)	TM-77	CB-1281P	STD	2.1990/2.2000	0.0024/0.0049	0.0615	2.3247/2.3252	0.8920
NOTE: P-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1282P	STD,1,10	2.1990/2.2000	0.0014/0.0039	0.0620	2.3247/2.3252	0.8920
NOTE: P-Series Performance,No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-829H	STD,1,9,10,11,19,20,21,30					
1-2-3-4		MB-2403H		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0470
5		MB-2404H(F)		2.7478/2.7488	0.0012/0.0038	0.0934	2.9370/2.9380	1.8110
NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-829HG	STD					
1-2-3-4		MB-2403HG		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0470
5		MB-2404HG(F)		2.7478/2.7488	0.0012/0.0038	0.0934	2.9370/2.9380	1.8110
NOTE: H-Series Performance,Contains Full Grooved Bearings								
Main Bearing Set	TM-77	MS-829HK	STD,1,10					
1-2-3-4		MB-2403H		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0470
5		MB-2404H(F)		2.7478/2.7488	0.0012/0.0038	0.0934	2.9370/2.9380	1.8110
NOTE: H-Series Performance With TriArmor™,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set	TM-77	MS-829HX	STD					
1-2-3-4		MB-2403HX		2.7482/2.7492	0.0017/0.0042	0.0929	2.9370/2.9380	1.0470
5		MB-2404HX(F)		2.7478/2.7488	0.0022/0.0048	0.0929	2.9370/2.9380	1.8110
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-829HXX	STD					
1-2-3-4		MB-2403HX		2.7482/2.7492	0.0017/0.0042	0.0929	2.9370/2.9380	1.0470
5		MB-2404HX(F)		2.7478/2.7488	0.0022/0.0048	0.0929	2.9370/2.9380	1.8110
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set	VP-2	MS-829V	STD,1,10					
1-2-3-4		MB-2403V		2.7482/2.7492	0.0007/0.0035	0.0937	2.9370/2.9380	1.0470
5		MB-2404V(F)		2.7478/2.7488	0.0011/0.0039	0.0937	2.9370/2.9380	1.8110
NOTE: V-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	VP-2	MS-829VX	STD					
1-2-3-4		MB-2403VX		2.7482/2.7492	0.0017/0.0045	0.0932	2.9370/2.9380	1.0470
5		MB-2404VX(F)		2.7478/2.7488	0.0021/0.0049	0.0932	2.9370/2.9380	1.8110
NOTE: V-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	B-2	MS-1732M	STD,1,10					
1-2-3-4		MB-3111M		2.7482/2.7492	0.0007/0.0037	0.0937	2.9370/2.9380	1.0470
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
NOTE: M-Series Performance,Grooved Upper Halves Plain Lower Halves								
Cam Bearing Set	B-1	SH-615S	STD					
1		SH-615		1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
5		SH-618		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
NOTE: Engine Blocks Manufactured Before 1967								
Cam Bearing Set	B-1	SH-616S	STD					
1		SH-615		1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
NOTE: Engine Blocks Manufactured From 1967								
Cam Bearing Set	B-1	SH-617S	STD					
1-2-3-4-5		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
NOTE: Engine Blocks Manufactured From 1967, Align Bored Blocks With Housing Bore Diameter 2.1198"/2.1205"								



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
12 (Cont.)	366 CID (6.0L) Chevrolet V8 Cyl (1966-1998)				3.938in./100mm x 3.766in./95.7mm			12 (Cont.)
	396 CID (6.6L) Chevrolet V8 Cyl (1965-1970)				4.094in./104mm x 3.766in./95.7mm			
	402 CID (6.6L) Chevrolet V8 Cyl (1970-1972)				4.125in./104.8mm x 3.766in./95.7mm			
	427 CID (7.0L) Chevrolet V8 Cyl (1966-1998)				4.250in./108mm x 3.766in./95.7mm			
	454 CID (7.4L) Chevrolet V8 Cyl (1970-2000)				4.250in./108mm x 4.000in./101.6mm			
	502 CID (8.2L) Chevrolet V8 Cyl				4.470in./113.5mm x 4.000in./101.6mm			
Rod Forging	3856239, 3856240, 3933174							
C/S Forging	3521, 6223, 7115, 7416, 9115, 353039, 359730, 3804816, 3836144, 3863144, 3874874, 3882842, 3882847, 3882848, 3882849, 3887114, 3904815, 3904816, 3941180, 3942411, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							
13	400 CID (6.6L) Chevrolet V8 Cyl (1970-1980)				4.125in./104.8mm x 3.750in./95.3mm			13
Rod Bearing(8)	TM-77	CB-663H	STD,1,9,10,11,19,20,21	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
NOTE: H-Series Performance,No Dowel Hole In Cap Half To Be Replaced By CB-663HN								
Rod Bearing(8)	TM-77	CB-663HD	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-663HND								
Rod Bearing(8)	TM-77	CB-663HDK	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-663HNDK								
Rod Bearing(8)	TM-77	CB-663HK	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half To Be Replaced By CB-663HNK								
Rod Bearing(8)	TM-77	CB-663HN	STD,1,9,10,11,19,20,21,30	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.7920
NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-663HND	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.7920
NOTE: H-Series Performance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-663HNDK	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.7920
NOTE: H-Series Performance With TriArmor™,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod,Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-663HNK	STD,1,10	2.0990/2.1000	0.0009/0.0030	0.0619	2.2247/2.2252	0.7920
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-663HX	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half To Be Replaced By CB-663HXN								
Rod Bearing(8)	TM-77	CB-663HXD	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-663HXND								
Rod Bearing(8)	TM-77	CB-663HXDK	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Dowel Hole In Cap Half,Maximum Wall Does Not Include Coating Thickness,May Also Be Used In Engines Without Doweled Connecting Rod To Be Replaced By CB-663HXNDK								



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
13 (Cont.)	400 CID (6.6L) Chevrolet V8 Cyl (1970-1980)				4.125in./104.8mm x 3.750in./95.3mm			13 (Cont.)
Rod Bearing(8)	TM-77	CB-663HXX	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.8420
NOTE: H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Maximum Wall Does Not Include Coating Thickness, No Dowel Hole In Cap Half To Be Replaced By CB-663HXNK								
Rod Bearing(8)	TM-77	CB-663HXN	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.7920
NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Narrowed On One Side For Increased Crank Fillet Clearance, No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-663HXND	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.7920
NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod, Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-663HXNDK	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.7920
NOTE: H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Dowel Hole In Cap Half, Maximum Wall Does Not Include Coating Thickness, May Also Be Used In Engines Without Doweled Connecting Rod, Narrowed On One Side For Increased Crank Fillet Clearance								
Rod Bearing(8)	TM-77	CB-663HXNK	STD	2.0990/2.1000	0.0019/0.0040	0.0614	2.2247/2.2252	0.7920
NOTE: H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Maximum Wall Does Not Include Coating Thickness, Narrowed On One Side For Increased Crank Fillet Clearance, No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-663VN	STD, 1, 10, 20	2.0990/2.1000	0.0008/0.0028	0.0621	2.2247/2.2252	0.7920
NOTE: V-Series Performance, Narrowed On One Side For Increased Crank Fillet Clearance, No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-663VXN	STD	2.0990/2.1000	0.0018/0.0038	0.0616	2.2247/2.2252	0.7920
NOTE: V-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Narrowed On One Side For Increased Crank Fillet Clearance, No Dowel Hole In Cap Half								
Rod Bearing(8)	VP-2	CB-663VXX	STD	2.0990/2.1000	0.0028/0.0048	0.0611	2.2247/2.2252	0.8420
NOTE: V-Series Performance, Bearing Walls .0010" Thinner For .0020" More Oil Clearance, No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-825P	STD	2.0990/2.1000	0.0020/0.0045	0.0616	2.2247/2.2252	0.8420
NOTE: P-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-826P	STD, 1, 10	2.0990/2.1000	0.0010/0.0035	0.0621	2.2247/2.2252	0.8420
NOTE: P-Series Performance, Dowel Hole In Cap Half, May Also Be Used In Engines Without Doweled Connecting Rod								
Rod Bearing(8)	TM-77	CB-1263P	STD	2.0990/2.1000	0.0020/0.0045	0.0606	2.2247/2.2252	0.8420
Lower		CB-1263P(L)		2.0990/2.1000	0.0020/0.0045	0.0606	2.2247/2.2252	0.8420
Upper		CB-1263P(U)		2.0990/2.1000	0.0020/0.0045	0.0626	2.2247/2.2252	0.8420
NOTE: P-Series Performance, Bearing Is Patented DELTAWALL™ design, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, No Dowel Hole In Cap Half, Upper And Lower Halves Must Not Be Interchanged								
Rod Bearing(8)	TM-77	CB-1264P	STD, 1, 10	2.0990/2.1000	0.0010/0.0035	0.0611	2.2247/2.2252	0.8420
Lower		CB-1264P(L)		2.0990/2.1000	0.0010/0.0035	0.0611	2.2247/2.2252	0.8420
Upper		CB-1264P(U)		2.0990/2.1000	0.0010/0.0035	0.0631	2.2247/2.2252	0.8420
NOTE: P-Series Performance, Bearing Is Patented DELTAWALL™ design, No Dowel Hole In Cap Half, Upper And Lower Halves Must Not Be Interchanged								
Rod Bearing(8)	TM-77	CB-1274P	STD	2.0990/2.1000	0.0020/0.0045	0.0616	2.2247/2.2252	0.8420
NOTE: P-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-1275P	STD, 1, 10	2.0990/2.1000	0.0010/0.0035	0.0621	2.2247/2.2252	0.8420
NOTE: P-Series Performance, No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-1038H	STD, 1, 9, 10, 11, 19, 20, 21	2.6484/2.6493	0.0007/0.0031	0.0953	2.8406/2.8416	0.8070
1-2-3-4		MB-2562H		2.6479/2.6488	0.0012/0.0036	0.0953	2.8406/2.8416	1.7180
5		MB-2563H(F)						
NOTE: Engines Using 400 Crankshaft, H-Series Performance, Grooved Upper Halves Plain Lower Halves								



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
13 (Cont.)	400 CID (6.6L) Chevrolet V8 Cyl (1970-1980)			4.125in./104.8mm x 3.750in./95.3mm				13 (Cont.)
Main Bearing Set 1-2-3-4 5	TM-77	MS-1038HG MB-2562HG MB-2563HG(F)	STD	2.6484/2.6493 2.6479/2.6488	0.0007/0.0031 0.0012/0.0036	0.0953 0.0953	2.8406/2.8416 2.8406/2.8416	0.8070 1.7180
NOTE: Engines Using 400 Crankshaft, H-Series Performance,Contains Full Grooved Bearings								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1038HK MB-2562H MB-2563H(F)	STD,1,10	2.6484/2.6493 2.6479/2.6488	0.0007/0.0031 0.0012/0.0036	0.0953 0.0953	2.8406/2.8416 2.8406/2.8416	0.8070 1.7180
NOTE: Engines Using 400 Crankshaft, H-Series Performance With TriArmor™,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1038HX MB-2562HX MB-2563HX(F)	STD	2.6484/2.6493 2.6479/2.6488	0.0017/0.0041 0.0022/0.0046	0.0948 0.0948	2.8406/2.8416 2.8406/2.8416	0.8070 1.7180
NOTE: Engines Using 400 Crankshaft, H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1038HXK MB-2562HX MB-2563HX(F)	STD	2.6484/2.6493 2.6479/2.6488	0.0017/0.0041 0.0022/0.0046	0.0948 0.0948	2.8406/2.8416 2.8406/2.8416	0.8070 1.7180
NOTE: Engines Using 400 Crankshaft, H-Series Performance With TriArmor™,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves,Maximum Wall Does Not Include Coating Thickness								
Main Bearing Set 1-2-3-4 5	VP-2	MS-1038V MB-2562V MB-2563V(F)	STD,10	2.6484/2.6493 2.6479/2.6488	0.0007/0.0031 0.0012/0.0036	0.0953 0.0953	2.8406/2.8416 2.8406/2.8416	0.8070 1.7180
NOTE: Engines Using 400 Crankshaft, V-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-3-4 5 5	TM-77	MS-1564P MB-2604P MB-2878C MB-2548P(F)	STD,10	2.4483/2.4493 2.4479/2.4488	0.0030/0.0045 0.0011/0.0039	0.1953 0.1003 0.0953	2.8406/2.8415 2.8406/2.8415 2.6406/2.6415	0.8070 1.5200 1.7180
NOTE: Engines Using 350 Crankshaft, P-Series Performance,Bearing For Position Number 5 Is Full Grooved,Bearings For Position Numbers 1,2,3,4 Are Grooved Upper Halves And Plain Lower Halves,Contains A Spacer To Be Used With Bearing In Position Number 5								
Cam Bearing Set 1 2-5 3-4	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Cam Bearing Set 1-2-3-4-5	TM-1	SH-1528S SH-1528	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1 2-3-4-5	AL-3	SH-1772S SH-1351 SH-400	STD	1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0005/0.0050	0.0644 0.0647	1.9990/2.0010 1.9990/2.0010	0.7500 0.8700
NOTE: Aluminum Block								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1796S SH-1351	STD	1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Diameter 1.9990"/2.0010"								
Cam Bearing Set 1-2-3-4-5	TM-1	SH-1808S SH-1808	STD	1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.7500
NOTE: Engines With Cam 1.9485/1.9495" Journal Diameter And 2.1195/2.1205" Housing Bore, "Big Block" Cam Bearing Diameters								
Rod Forging C/S Forging	3951629 3882841, 3951528, 3951529D							



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
13 (Cont.)	400 CID (6.6L) Chevrolet V8 Cyl (1970-1980)				4.125in./104.8mm x 3.750in./95.3mm			13 (Cont.)
Connecting Rod	45 Lbs.Ft.							
Main Bearing	75 Lbs.Ft.							
14	400 CID (6.6L) Oldsmobile V8 Cyl (1968-1969)			3.875in./98.4mm x 4.250in./108mm			14	
	400 CID (6.6L) Oldsmobile V8 Cyl (1965-1967)			4.000in./101.6mm x 3.980in./101.1mm				
	425 CID (7.0L) Oldsmobile V8 Cyl (1965-1967)			4.125in./104.8mm x 3.980in./101.1mm				
	455 CID (7.5L) Oldsmobile V8 Cyl (1968-1976)			4.125in./104.8mm x 4.250in./108mm				
Rod Bearing(8)	TM-77	CB-542HN	STD,1,10,20	2.4988/2.4998	0.0007/0.0032	0.0620	2.6245/2.6250	0.7810
NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-542HXX	STD	2.4988/2.4998	0.0017/0.0042	0.0615	2.6245/2.6250	0.7810
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-804H	STD,1,10,20					
1		MB-2362H		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9800
2-4		MB-2163H		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9790
3		MB-2363H(F)		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	1.1950
5		MB-2364H		2.9993/3.0003	0.0016/0.0049	0.0932	3.1880/3.1890	1.6290
NOTE: H-Series Performance,Bearings For Position Numbers 2, 3, 4, And 5 Are Full Annular Grooved, Bearing For Position Number 1 Have A Grooved Upper Half And Plain Lower Half								
Main Bearing Set	TM-77	MS-804HX	STD					
1		MB-2362HX		2.9993/3.0003	0.0018/0.0048	0.0931	3.1880/3.1890	0.9800
2-4		MB-2163HX		2.9993/3.0003	0.0018/0.0048	0.0931	3.1880/3.1890	0.9790
3		MB-2363HX(F)		2.9993/3.0003	0.0018/0.0048	0.0931	3.1880/3.1890	1.1950
5		MB-2364HX		2.9993/3.0003	0.0026/0.0059	0.0927	3.1880/3.1890	1.6290
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Bearings For Position Numbers 2, 3, 4, And 5 Are Full Annular Grooved, Bearing For Position Number 1 Have A Grooved Upper Half And Plain Lower Half								
Cam Bearing Set	AL-3	SH-1354S	STD					
1		SH-1354		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
Rod Forging	384759, 397858, 401406, 401456, 410999							
C/S Forging	230331, 230377, 230378, 230907, 230908, 384722, 390370, 397303, 397363, 400934, 403707, 405954, 584722							
Connecting Rod	32 To 42 Lbs.Ft.							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	90 To 120 Lbs.Ft. (400 CID (6.6L) ,455 CID (7.5L))							
15	421 CID (6.9L) Pontiac V8 Cyl (1963-1966)			4.094in./104mm x 4.000in./101.6mm			15	
	428 CID (7.0L) Pontiac V8 Cyl (1967-1969)			4.120in./104.6mm x 4.000in./101.6mm				
	455 CID (7.5L) Pontiac V8 Cyl (1970-1976)			4.151in./105.4mm x 4.210in./106.9mm				
Rod Bearing(8)	TM-77	CB-758HN	STD,1,10	2.2487/2.2497	0.0011/0.0032	0.0619	2.3745/2.3750	0.8460
NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Rod Bearing(8)	TM-77	CB-758HXX	STD	2.2487/2.2497	0.0021/0.0042	0.0614	2.3745/2.3750	0.8460
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-667H	STD,1,10					
1-2-3		MB-2215H		3.2490/3.2500	0.0005/0.0035	0.0939	3.4380/3.4390	0.9430
4		MB-2216H(F)		3.2490/3.2500	0.0005/0.0035	0.0939	3.4380/3.4390	1.1950
5		MB-2217H		3.2490/3.2500	0.0005/0.0035	0.0939	3.4380/3.4390	1.5950
NOTE: H-Series Performance,Bearings For Position Numbers 4, And 5 Are Full Annular Grooved, Bearings For Position Numbers 1, 2, And 3 Have Grooved Upper Halves And Plain Lower Halves								



GENERAL MOTORS CORP. (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)									
15 (Cont.)	421 CID (6.9L) Pontiac V8 Cyl (1963-1966)				4.094in./104mm x 4.000in./101.6mm				15 (Cont.)
	428 CID (7.0L) Pontiac V8 Cyl (1967-1969)				4.120in./104.6mm x 4.000in./101.6mm				
	455 CID (7.5L) Pontiac V8 Cyl (1970-1976)				4.151in./105.4mm x 4.210in./106.9mm				
Main Bearing Set TM-77 MS-667HX STD									
1-2-3 MB-2215HX					3.2490/3.2500	0.0015/0.0045	0.0934	3.4380/3.4390	0.9430
4 MB-2216HX(F)					3.2490/3.2500	0.0015/0.0045	0.0934	3.4380/3.4390	1.1950
5 MB-2217HX					3.2490/3.2500	0.0015/0.0045	0.0934	3.4380/3.4390	1.5950
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Bearings For Position Numbers 4, And 5 Are Full Annular Grooved, Bearings For Position Numbers 1, 2, And 3 Have Grooved Upper Halves And Plain Lower Halves									
Cam Bearing Set B-1 SH-292S STD									
1-2-3-4-5 SH-292					1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	0.6900
C/S Forging 496453, 542990, 9770488, 9773384, 9782769, 9783787, 9799103									
Connecting Rod 45 Lbs.Ft.									
Main Bearing 120 Lbs.Ft. (Rear Bearing Cap)									
Main Bearing 95 Lbs.Ft. (Except Rear Bearing Cap)									
16	472 CID (7.7L) Cadillac V8 Cyl (1968-1974)				4.300in./109.2mm x 4.060in./103.1mm				16
	500 CID (8.2L) Cadillac V8 Cyl (1970-1976)				4.300in./109.2mm x 4.300in./109.2mm				
Rod Bearing(8) TM-77 CB-542HN STD,1,10,20					2.4988/2.4998	0.0007/0.0032	0.0620	2.6245/2.6250	0.7810
NOTE: H-Series Performance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half									
Rod Bearing(8) TM-77 CB-542HXN STD					2.4988/2.4998	0.0017/0.0042	0.0615	2.6245/2.6250	0.7810
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Narrowed On One Side For Increased Crank Fillet Clearance,No Dowel Hole In Cap Half									
Rod Forging 222, 3633111									
C/S Forging 1467292, 1486424, 1495094, 1495095, 1496793, 1609142R									
Connecting Rod 40 Lbs.Ft.									
Main Bearing 90 Lbs.Ft.									
HONDA									
ENGINE DATA									
Engine Years Block					Engine Years Block				
4 CYL					4 CYL (Cont.)				
1595CC (1.6L) B16A2 V-TEC DOHC 1996-1997 1					1834CC (1.8L) B18B1 DOHC Acura 1994-2001 3				
1595CC (1.6L) B16A3 V-TEC DOHC 1994-1995 1					2157CC (2.2L) H22A1 V-TEC DOHC 1993-1996 4				
1797CC (1.8L) B18C1 V-TEC DOHC Acura 1994-2001 2					2157CC (2.2L) H22A4 V-TEC DOHC 1997-2001 4				
1834CC (1.8L) B18A1 DOHC Acura 1990-1993 3									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL									
1	1595CC (1.6L) B16A2 V-TEC DOHC 4 Cyl (1996-1997)				3.189in./81mm x 3.047in./77.4mm				1
	1595CC (1.6L) B16A3 V-TEC DOHC 4 Cyl (1994-1995)				3.189in./81mm x 3.047in./77.4mm				
Rod Bearing(4) TM-77 CB-1777H STD,.25mm					1.7707/1.7717	0.0014/0.0043	0.0586	1.8898/1.8907	0.7677
NOTE: H-Series Performance,No Dowel Hole In Cap Half									
Rod Bearing(4) TM-77 CB-1777HX STD					1.7707/1.7717	0.0024/0.0053	0.0581	1.8898/1.8907	0.7677
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half									
2	1797CC (1.8L) B18C1 V-TEC DOHC Acura 4 Cyl (1994-2001)				3.189in./81mm x 3.433in./87.2mm				2
Rod Bearing(4) TM-77 CB-1785H STD,.25mm					1.7707/1.7717	0.0008/0.0015	0.0595	1.8898/1.8907	0.6880
NOTE: H-Series Performance,No Dowel Hole In Cap Half									
Rod Bearing(4) TM-77 CB-1785HK STD,.25mm					1.7707/1.7717	0.0008/0.0015	0.0595	1.8898/1.8907	0.6880
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half									
Rod Bearing(4) TM-77 CB-1785HX STD					1.7707/1.7717	0.0018/0.0025	0.0590	1.8898/1.8907	0.6880
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half									



HONDA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
2 (Cont.)	1797CC (1.8L) B18C1 V-TEC DOHC Acura 4 Cyl (1994-2001)			3.189in./81mm x 3.433in./87.2mm				2 (Cont.)
Rod Bearing(4)	TM-77	CB-1785HXX	STD	1.7707/1.7717	0.0018/0.0025	0.0590	1.8898/1.8907	0.6880
NOTE: H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Maximum Wall Does Not Include Coating Thickness, No Dowel Hole In Cap Half								
Connecting Rod	Step A 15 Lbs.Ft.; Step B 33 Lbs.Ft.							
Main Bearing	Step A 22 Lbs.Ft.; Step B 49 Lbs.Ft. (Bearing Caps Number 2, 3, And 4)							
Main Bearing	Step A 22 Lbs.Ft.; Step B 56 Lbs.Ft. (Bearing Caps Number 1 and 5)							
3	1834CC (1.8L) B18A1 DOHC Acura 4 Cyl (1990-1993)			3.189in./81mm x 3.504in./89mm				3
	1834CC (1.8L) B18B1 DOHC Acura 4 Cyl (1994-2001)			3.189in./81mm x 3.504in./89mm				
Rod Bearing(4)	TM-77	CB-1353H	STD, .026mm, .25mm	1.7707/1.7717	0.0005/0.0034	0.0591	1.8898/1.8907	0.7680
NOTE: H-Series Performance, No Dowel Hole In Cap Half								
Rod Bearing(4)	TM-77	CB-1353HX	STD	1.7707/1.7717	0.0015/0.0044	0.0586	1.8898/1.8907	0.7680
NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, No Dowel Hole In Cap Half								
Rod Forging	PR4, C7917							
Connecting Rod	30 Lbs.Ft. (1834CC (1.8L) B18A1 DOHC)							
Connecting Rod	Step A 15 Lbs.Ft.; Step B 24 Lbs.Ft. (1834CC (1.8L) B18B1 DOHC)							
Main Bearing	56 Lbs.Ft. (1834CC (1.8L) B18A1 DOHC)							
Main Bearing	Step A 22 Lbs.Ft.; Step B 58 Lbs.Ft. (1834CC (1.8L) B18B1 DOHC)							
4	2157CC (2.2L) H22A1 V-TEC DOHC 4 Cyl (1993-1996)			3.425in./87mm x 3.571in./90.7mm				4
	2157CC (2.2L) H22A4 V-TEC DOHC 4 Cyl (1997-2001)			3.425in./87mm x 3.571in./90.7mm				
Rod Bearing(4)	TM-77	CB-1780H	STD, .25mm	1.8888/1.8898	0.0008/0.0036	0.0589	2.0079/2.0087	0.7650
NOTE: H-Series Performance, No Dowel Hole In Cap Half								
Rod Bearing(4)	TM-77	CB-1780HK	STD	1.8888/1.8898	0.0008/0.0036	0.0589	2.0079/2.0087	0.7650
NOTE: H-Series Performance With TriArmor™, Maximum Wall Does Not Include Coating Thickness, No Dowel Hole In Cap Half								
Rod Bearing(4)	TM-77	CB-1780HX	STD	1.8888/1.8898	0.0018/0.0046	0.0584	2.0079/2.0087	0.7650
NOTE: H-Series Performance, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, No Dowel Hole In Cap Half								
Rod Bearing(4)	TM-77	CB-1780HXX	STD	1.8888/1.8898	0.0018/0.0046	0.0584	2.0079/2.0087	0.7650
NOTE: H-Series Performance With TriArmor™, Bearing Walls .0005" Thinner For .0010" More Oil Clearance, Maximum Wall Does Not Include Coating Thickness, No Dowel Hole In Cap Half								
INTERNATIONAL TRACTOR								
ENGINE DATA								
Engine	Years		Block					
6 CYL								
466 CID (7.6L) International Turbocharged Diesel			1					
466 CID (7.6L) International Turbocharged/Intercooled Diesel			1					
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
1	466 CID (7.6L) International Turbocharged Diesel 6 Cyl			4.300in./109.2mm x 5.350in./135.9mm				1
	466 CID (7.6L) International Turbocharged/Intercooled Diesel 6 Cyl			4.300in./109.2mm x 5.350in./135.9mm				
Rod Bearing(6)	TM-112	CB-675H	STD, .10	2.9977/2.9990	0.0020/0.0049	0.0995	3.2000/3.2010	1.2000
NOTE: Thru Engine Serial Number 440035, H-Series Performance, No Dowel Hole In Cap Half								
Rod Bearing(6)	TM-112	CB-675HK	STD	2.9977/2.9990	0.0020/0.0049	0.0995	3.2000/3.2010	1.2000
NOTE: Thru Engine Serial Number 440035, H-Series Performance With TriArmor™, Maximum Wall Does Not Include Coating Thickness, No Dowel Hole In Cap Half								
Rod Bearing(6)	TM-112	CB-1365H	STD, .10	2.9977/2.9990	0.0020/0.0049	0.0995	3.2000/3.2010	1.2600
NOTE: From Engine Serial Number 440036, H-Series Performance, No Dowel Hole In Cap Half								



INTERNATIONAL TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
1 (Cont.)	466 CID (7.6L) International Turbocharged Diesel 6 Cyl			4.300in./109.2mm x 5.350in./135.9mm				1 (Cont.)
466 CID (7.6L) International Turbocharged/Intercooled Diesel 6 Cyl				4.300in./109.2mm x 5.350in./135.9mm				
Rod Bearing(6)	TM-112	CB-1365HK	STD	2.9977/2.9990	0.0020/0.0049	0.0995	3.2000/3.2010	1.2600
NOTE: From Engine Serial Number 440036, H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
Main Bearing Set	TM-112	MS-1343H	STD,10	3.3742/3.3755	0.0020/0.0049	0.1555	3.6885/3.6895	1.2250
1-2-3-4-5-6		MB-2628H		3.3742/3.3755	0.0020/0.0049	0.1555	3.6885/3.6895	1.2250
7		MB-2629H(F)		3.3742/3.3755	0.0020/0.0049	0.1555	3.6885/3.6895	1.7770
NOTE: Thru Engine Serial Number 440035, H-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-112	MS-1642H	STD,10	3.3742/3.3755	0.0020/0.0049	0.1555	3.6885/3.6895	1.2990
1-2-3-4-5-6		MB3009H		3.3742/3.3755	0.0020/0.0049	0.1555	3.6885/3.6895	1.2990
7		MB2629H(F)		3.3742/3.3755	0.0020/0.0049	0.1555	3.6885/3.6895	1.7770
NOTE: From Engine Serial Number 440036, H-Series Performance,Grooved Upper Halves Plain Lower Halves								
JOHN DEERE								
ENGINE DATA								
Engine	Years	Block	Engine	Years	Block			
466 CID (7.6L) 6466A Turbocharged/Intercooled Diesel		1	466 CID (7.6L) 6466T Turbocharged Diesel		1			
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
1	466 CID (7.6L) 6466A Turbocharged/Intercooled Diesel 6 Cyl			4.563in./115.9mm x 4.750in./120.7mm				1
466 CID (7.6L) 6466T Turbocharged Diesel 6 Cyl				4.563in./115.9mm x 4.750in./120.7mm				
Rod Bearing(6)	TM-112	CB-1267H	STD,10	2.9980/2.9990	0.0010/0.0036	0.0955	3.1910/3.1920	1.3900
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(6)	TM-112	CB-1267HK	STD	2.9980/2.9990	0.0010/0.0036	0.0955	3.1910/3.1920	1.3900
NOTE: H-Series Performance With TriArmor™,Maximum Wall Does Not Include Coating Thickness,No Dowel Hole In Cap Half								
MAZDA								
ENGINE DATA								
Engine	Years	Block	Engine	Years	Block			
4 CYL			4 CYL (Cont.)					
1989CC (2.0L) Zetec/DOHC/16 Valve Ford	2001-2003	1	2261CC (2.3L) DOHC 16 Valve VVT	2003-2005	2			
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	1989CC (2.0L) Zetec/DOHC/16 Valve Ford 4 Cyl (2001-2003)			3.339in./84.8mm x 3.461in./87.9mm				1
Rod Bearing(4)	TM-77	CB-1774H	STD,.026mm,.25mm	1.8461/1.8468	0.0008/0.0017	0.0585	1.9642/1.9650	0.8020
NOTE: H-Series Performance,No Dowel Hole In Cap Half								
Rod Bearing(4)	TM-77	CB-1774HX	STD	1.8461/1.8468	0.0018/0.0027	0.0580	1.9642/1.9650	0.8020
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half								
Main Bearing Set	TM-77	MS-2208H	STD,.026mm,.25mm	2.2827/2.2834	0.0003/0.0016	0.0842	2.4522/2.4528	0.7710
1-2-4-5		MB-3753H		2.2827/2.2834	0.0007/0.0030	0.0842	2.4522/2.4528	0.9730
3		MB-3754H(F)		2.2827/2.2834	0.0007/0.0030	0.0842	2.4522/2.4528	0.9730
NOTE: H-Series Performance,Grooved Upper Halves Plain Lower Halves								
Main Bearing Set	TM-77	MS-2208HX	STD	2.2827/2.2834	0.0013/0.0026	0.0837	2.4522/2.4528	0.7710
1-2-4-5		MB-3753HX		2.2827/2.2834	0.0017/0.0040	0.0837	2.4522/2.4528	0.9730
3		MB-3754HX(F)		2.2827/2.2834	0.0017/0.0040	0.0837	2.4522/2.4528	0.9730
NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,Grooved Upper Halves Plain Lower Halves								



MAZDA (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
1 (Cont.)	1989CC (2.0L) Zetec/DOHC/16 Valve Ford 4 Cyl (2001-2003)				3.339in./84.8mm x 3.461in./87.9mm				1 (Cont.)
C/S Forging 91K, 9166N, 90-21-0, 90TM-AA, 90TM-AB, 91TM-AA, 91A-6303-A, 91A-6303-B, 91H-6303-B									
2	2261CC (2.3L) DOHC 16 Valve VVT 4 Cyl (2003-2005)				3.444in./87.5mm x 3.701in./94mm				2
Rod Bearing(4) TM-77 CB-1838H STD,.026mm,.25mm NOTE: H-Series Performance,No Dowel Hole In Cap Half				1.9677/1.9685	0.0010/0.0020	0.0598	2.0875/2.0883	0.6653	
Rod Bearing(4) TM-77 CB-1838HX STD NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half				1.9677/1.9685	0.0020/0.0030	0.0593	2.0875/2.0883	0.6653	
TOYOTA									
ENGINE DATA									
Engine	Years		Block	Engine	Years		Block		
6 CYL				6 CYL (Cont.)					
2997CC (3.0L) 2JZGE DOHC			1993-1998	1	2997CC (3.0L) 2JZGTE DOHC Turbocharged			1993-1998	1
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL									
1	2997CC (3.0L) 2JZGE DOHC 6 Cyl (1993-1998)				3.386in./86mm x 3.386in./86mm				1
2997CC (3.0L) 2JZGTE DOHC Turbocharged 6 Cyl (1993-1998)				3.386in./86mm x 3.386in./86mm					
Rod Bearing(6) TM-77 CB-1628H STD,.25mm NOTE: H-Series Performance,No Dowel Hole In Cap Half				2.0465/2.0472	0.0014/0.0021	0.0595	2.1663/2.1670	0.7600	
Rod Bearing(6) TM-77 CB-1628HX STD NOTE: H-Series Performance,Bearing Walls .0005" Thinner For .0010" More Oil Clearance,No Dowel Hole In Cap Half				2.0465/2.0472	0.0024/0.0031	0.0590	2.1663/2.1670	0.7600	
Connecting Rod				22 Lbs.Ft. Plus 90 Degrees					
Main Bearing				33 Lbs.Ft. Plus 90 Degrees					



ACURA							
ENGINE DATA							
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				4 CYL (Cont.)			
1590CC (1.6L) D16A1 DOHC 16 Valve	1986-1989	2.953in./75mmX3.543in./90mm	1	2156CC (2.2L) F22B1 V-TEC SOHC	1997	3.346in./85mmX3.740in./95mm	4
1590CC (1.6L) D16Y8 V-TEC SOHC Honda	1997-2000	2.953in./75mmX3.543in./90mm	1	6 CYL			
1678CC (1.7L) B17A1 V-TEC DOHC	1992-1993	3.189in./81mmX3.189in./81mm	2	2494CC (2.5L) C25A1 SOHC	1986-1987	3.307in./84mmX2.953in./75mm	5
1797CC (1.8L) B18C1 V-TEC DOHC	1994-2001	3.189in./81mmX3.433in./87.2mm	3	2675CC (2.7L) C27A1 SOHC	1987-1990	3.425in./87mmX2.953in./75mm	5
1797CC (1.8L) B18C5 V-TEC DOHC	1997-2001	3.189in./81mmX3.433in./87.2mm	3	3165CC (3.2L) SOHC ISZ (6VD1) Isuzu	1996-1997	3.677in./93.4mmX3.031in./77mm	6
1834CC (1.8L) B18A1 DOHC	1990-1993	3.189in./81mmX3.504in./89mm	2				
1834CC (1.8L) B18B1 DOHC	1994-2001	3.189in./81mmX3.504in./89mm	2				
MODEL DATA							
Model	Engine	Years	Block	Model	Engine	Years	Block
1.6 EL	1590CC (1.6L) D16Y8 V-TEC SOHC Honda	1997-2000	1	Integra	1797CC (1.8L) B18C5 V-TEC DOHC	1997-1998	3
2.2CL	2156CC (2.2L) F22B1 V-TEC SOHC	1997	4	Integra	1834CC (1.8L) B18A1 DOHC	1990-1993	2
Integra	1590CC (1.6L) D16A1 DOHC 16 Valve	1986-1989	1	Integra	1834CC (1.8L) B18B1 DOHC	1994-2001	2
Integra	1678CC (1.7L) B17A1 V-TEC DOHC	1992-1993	2	Legend	2494CC (2.5L) C25A1 SOHC	1986	5
Integra	1797CC (1.8L) B18C1 V-TEC DOHC	1994-2001	3	Legend	2675CC (2.7L) C27A1 SOHC	1987-1990	5
				SLX	3165CC (3.2L) SOHC ISZ (6VD1) Isuzu	1996-1997	6
CONNECTING ROD FORGING NUMBERS							
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke
C7917	3.504in./89mm	2	PH7	2.953in./75mm	5	PR4	3.504in./89mm
CRANKSHAFT FORGING NUMBERS							
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke
321	3.543in./90mm	1	4434	2.953in./75mm	5	4456	3.543in./90mm
COUNTER DATA				SHOP DATA			
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore
4 CYL							
1	1590CC (1.6L) D16A1 DOHC 16 Valve 4 Cyl (1986-1989) 1590CC (1.6L) D16Y8 V-TEC SOHC Honda 4 Cyl (1997-2000)				2.953in./75mm x 3.543in./90mm 2.953in./75mm x 3.543in./90mm		1
Rod Bearing(4)	TM-1	CB-1461P	STD.,.25mm.,.50mm	1.7707/1.7717	0.0008/0.0015	0.0592	1.8898/1.8907
Main Bearing Set 1-2-3-4-5	TM-1	MS-1804P MB-3176P	STD.,.25mm.,.50mm	2.1644/2.1654	0.0010/0.0019	0.0790	2.3228/2.3237
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-473S							
Thrust Washer Set		TW-473S MB-3176W	STD	2.4114/2.4213			3.2185/3.2283
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1804P							0.0980
C/S Forging	321, 4456						
Connecting Rod	23 Lbs.Ft.						
Main Bearing	40 Lbs.Ft.						
2	1678CC (1.7L) B17A1 V-TEC DOHC 4 Cyl (1992-1993) 1834CC (1.8L) B18A1 DOHC 4 Cyl (1990-1993) 1834CC (1.8L) B18B1 DOHC 4 Cyl (1994-2001)				3.189in./81mm x 3.189in./81mm 3.189in./81mm x 3.504in./89mm 3.189in./81mm x 3.504in./89mm		2
Rod Bearing(4)	TM-1	CB-1353P	STD.,.25mm.,.50mm	1.7707/1.7717	0.0005/0.0034	0.0591	1.8898/1.8907
Main Bearing Set 1-2-3-4-5	TM-1	MS-2095P MB-3760P	STD.,.25mm.,.50mm	2.1644/2.1654	0.0010/0.0019	0.0785	2.3228/2.3237
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-473S							
Thrust Washer Set		TW-473S MB-3176W	STD	2.4114/2.4213			3.2185/3.2283
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-2095P							0.0980
Rod Forging	PR4, C7917						



ACURA (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
2 (Cont.)	1678CC (1.7L) B17A1 V-TEC DOHC 4 Cyl (1992-1993)				3.189in./81mm x 3.189in./81mm				2 (Cont.)
	1834CC (1.8L) B18A1 DOHC 4 Cyl (1990-1993)				3.189in./81mm x 3.504in./89mm				
	1834CC (1.8L) B18B1 DOHC 4 Cyl (1994-2001)				3.189in./81mm x 3.504in./89mm				
Connecting Rod	30 Lbs.Ft. (1834CC (1.8L) B18A1 DOHC)								
Connecting Rod	Step A 15 Lbs.Ft.; Step B 24 Lbs.Ft. (1678CC (1.7L) B17A1 V-TEC DOHC,1834CC (1.8L) B18B1 DOHC)								
Main Bearing	56 Lbs.Ft. (1678CC (1.7L) B17A1 V-TEC DOHC,1834CC (1.8L) B18A1 DOHC)								
Main Bearing	Step A 22 Lbs.Ft.; Step B 58 Lbs.Ft. (1834CC (1.8L) B18B1 DOHC)								
3	1797CC (1.8L) B18C1 V-TEC DOHC 4 Cyl (1994-2001)				3.189in./81mm x 3.433in./87.2mm				3
	1797CC (1.8L) B18C5 V-TEC DOHC 4 Cyl (1997-2001)				3.189in./81mm x 3.433in./87.2mm				
Rod Bearing(4)	TM-77	CB-1785P	STD.,25mm,.50mm	1.7707/1.7717	0.0008/0.0015	0.0595	1.8898/1.8907	0.6880	
Main Bearing Set 1-2-3-4-5	TM-1	MS-2095P MB-3760P	STD.,25mm,.50mm	2.1644/2.1654	0.0010/0.0019	0.0785	2.3228/2.3237	0.7870	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-473S									
Thrust Washer Set	TW-473S		STD	2.4114/2.4213				3.2185/3.2283	
MB-3176W									
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-2095P									
Connecting Rod	Step A 15 Lbs.Ft.; Step B 33 Lbs.Ft.								
Main Bearing	Step A 22 Lbs.Ft.; Step B 49 Lbs.Ft. (Bearing Caps Number 2, 3, And 4)								
Main Bearing	Step A 22 Lbs.Ft.; Step B 56 Lbs.Ft. (Bearing Caps Number 1 and 5)								
4	2156CC (2.2L) F22B1 V-TEC SOHC 4 Cyl (1997)				3.346in./85mm x 3.740in./95mm				4
Rod Bearing(4)	TM-1	CB-1456P	STD.,25mm,.50mm	1.8888/1.8898	0.0007/0.0035	0.0590	2.0079/2.0087	0.7640	
Main Bearing Set 1-2-3-4-5	TM-1	MS-2012P MB-3474P	STD.,25mm,.50mm	1.9677/1.9687	0.0005/0.0015	0.0788	2.1253/2.1263	0.7880	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-587S									
Thrust Washer Set	TW-587S		STD	2.2641				3.0713	
MB-3474W									
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-2012P									
6 CYL									
5	2494CC (2.5L) C25A1 SOHC V6 Cyl (1986-1987)				3.307in./84mm x 2.953in./75mm				5
	2675CC (2.7L) C27A1 SOHC V6 Cyl (1987-1990)				3.425in./87mm x 2.953in./75mm				
Rod Bearing(6)	TM-1	CB-1457P	STD.,25mm	2.0463/2.0472	0.0010/0.0020	0.0592	2.1654/2.1663	0.6890	
Main Bearing Set 1-2-3-4	TM-1	MS-1805P MB-3177P	STD	2.5187/2.5197	0.0009/0.0019	0.0787	2.6772/2.6781	0.7870	
NOTE: California Emission Thru Engine Serial Number 2001033,Except California Emission Thru Engine Serial Number 2502726, Requires Thrust Washer Set, Not Included									
Rod Forging	PH7								
C/S Forging	4434								
Connecting Rod	33 Lbs.Ft.								
Main Bearing	29 Lbs.Ft. (9mm Bolts)								
Main Bearing	36 Lbs.Ft. (2494CC (2.5L) C25A1 SOHC,2675CC (2.7L) C27A1 SOHC)								
Main Bearing	41 Lbs.Ft. (1989-1989, 2675CC (2.7L) C27A1 SOHC)								
Main Bearing	48 Lbs.Ft. (1990-1990, 2675CC (2.7L) C27A1 SOHC)								
Main Bearing	50 Lbs.Ft. (2494CC (2.5L) C25A1 SOHC)								
Main Bearing	50 Lbs.Ft. (1987-1988, 2675CC (2.7L) C27A1 SOHC)								
6	3165CC (3.2L) SOHC ISZ (6VD1) Isuzu V6 Cyl (1996-1997)				3.677in./93.4mm x 3.031in./77mm				6
Rod Bearing(6)	TM-1	CB-1830P	STD.,25mm,.50mm	2.1229/2.1235	0.0007/0.0031	0.0596	2.2434/2.2441	0.6740	
Main Bearing Set 1-4	TM-1	MS-2236P MB-3805P	STD.,25mm,.50mm	2.5165/2.5170	0.0010/0.0033	0.0995	2.7157/2.7165	0.7280	
2-3		MB-3806P		2.5165/2.5170	0.0010/0.0033	0.0995	2.7157/2.7165	0.6500	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-615S									
Thrust Washer Set	TW-615S		STD	2.7953/2.8051				0.0770	
MB-3807W									
NOTE: Contains 2 Pieces, Use With Part Number MS-2236P									
C/S Forging	KN224								



ALFA ROMEO								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
4 CYL				6 CYL				
1570CC (1.6L)	1972-1976	3.071in./78mmX3.228in./82mm	1	2492CC (2.5L) SOHC	1981-1989	3.465in./88mmX2.677in./68mm	2	
1779CC (1.8L) 105.41	1969-1971	3.150in./80mmX3.465in./88mm	1	2959CC (3.0L) DOHC	1994-1995	3.661in./93mmX2.874in./73mm	2	
1962CC (2.0L) DOHC	1972-1994	3.307in./84mmX3.484in./88.5mm	1	2959CC (3.0L) SOHC	1988-1993	3.661in./93mmX2.874in./73mm	2	
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
164	2959CC (3.0L) SOHC	1991-1993	2	Graduate	1962CC (2.0L) DOHC	1985-1990	1	
164	2959CC (3.0L) DOHC	1994	2	Milano	2492CC (2.5L) SOHC	1987-1989	2	
1600	1570CC (1.6L)	1972-1976	1	Milano	2959CC (3.0L) SOHC	1988-1989	2	
Alfetta	1962CC (2.0L) DOHC	1975-1977	1	Quadrifoglio	1962CC (2.0L) DOHC	1986-1990	1	
Berlina	1779CC (1.8L) 105.41	1969-1971	1	Spider	1962CC (2.0L) DOHC	1991-1994	1	
Berlina	1962CC (2.0L) DOHC	1972-1974	1	Spider Veloce	1962CC (2.0L) DOHC	1972-1994	1	
GT Veloce	1962CC (2.0L) DOHC	1972-1974	1	Sport Sedan	1962CC (2.0L) DOHC	1978-1979	1	
GTV-6	2492CC (2.5L) SOHC	1981-1986	2	Sprint Veloce	1962CC (2.0L) DOHC	1977-1979	1	
Giulia	1570CC (1.6L)	1972-1976	1					
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	1570CC (1.6L) 4 Cyl (1972-1976) 1779CC (1.8L) 105.41 4 Cyl (1969-1971) 1962CC (2.0L) DOHC 4 Cyl (1972-1994)				3.071in./78mm x 3.228in./82mm 3.150in./80mm x 3.465in./88mm 3.307in./84mm x 3.484in./88.5mm			1
Rod Bearing(4)	TM-77	CB-1190P	STD,10	1.9680/1.9685	0.0008/0.0029	0.0723	2.1139/2.1145	0.9230
Connecting Rod	37 Lbs.Ft. (1987-1988,)							
Main Bearing	35 Lbs.Ft.							
6 CYL								
2	2492CC (2.5L) SOHC V6 Cyl (1981-1989) 2959CC (3.0L) DOHC V6 Cyl (1994-1995) 2959CC (3.0L) SOHC V6 Cyl (1988-1993)				3.465in./88mm x 2.677in./68mm 3.661in./93mm x 2.874in./73mm 3.661in./93mm x 2.874in./73mm			2
Rod Bearing(6)	AL-3	CB-1201AL	STD,10	2.0465/2.0472	0.0005/0.0025	0.0689	2.1855/2.1860	0.7520
NOTE: All Except 1990 2959CC (3.0L) SOHC								
Connecting Rod	36 Lbs.Ft.							
Main Bearing	58 Lbs.Ft.							
ALLIS-CHALMERS								
ENGINE DATA								
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block			
2 CYL			4 CYL (Cont.)					
2-71 Detroit Diesel 142 CID (2.3L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	1	433T Allis Chalmers 200 CID (3.3L) Diesel Turbocharged	3.875in./98.4mmX4.250in./108mm	10			
3 CYL			6000 Allis Chalmers 344 CID (5.6L) Diesel	4.438in./112.7mmX5.563in./141.3mm	14			
3-71 Detroit Diesel 213 CID (3.5L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	3	6000 MKII Allis Chalmers 344 CID (5.6L) Diesel	4.438in./112.7mmX5.563in./141.3mm	14			
AD3-152 Perkins 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm	2	7000 Allis Chalmers 344 CID (5.6L) Diesel	4.438in./112.7mmX5.563in./141.3mm	14			
4 CYL			7000 MKII Allis Chalmers 344 CID (5.6L) Diesel	4.438in./112.7mmX5.563in./141.3mm	14			
4-71 Detroit Diesel 284 CID (4.7L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	13	B125 Allis Chalmers 125 CID (2.0L)	3.375in./85.7mmX3.500in./88.9mm	5			
4B153 Buda 153 CID (2.5L)	3.438in./87.33mmX4.125in./104.8mm	7	BE Allis Chalmers 116 CID (1.9L)	3.250in./82.6mmX3.500in./88.9mm	5			
4B182 Buda 182 CID (3.0L)	3.750in./95.3mmX4.125in./104.8mm	7	CE Allis Chalmers 125 CID (2.0L)	3.375in./85.7mmX3.500in./88.9mm	5			
4BD153 Buda 153 CID (2.5L) Diesel	3.438in./87.33mmX4.125in./104.8mm	7	D153 Allis Chalmers 153 CID (2.5L) Diesel	3.438in./87.33mmX4.125in./104.8mm	7			
4D153 Buda 153 CID (2.5L) Diesel	3.438in./87.33mmX4.125in./104.8mm	7	D2200 Allis Chalmers 200 CID (3.3L) Diesel	3.875in./98.4mmX4.250in./108mm	9			
4D175 Buda 175 CID (2.9L) Diesel	3.563in./90.5mmX4.375in./111.1mm	8	DA153 Allis Chalmers 153 CID (2.5L) Diesel	3.438in./87.33mmX4.125in./104.8mm	7			
4DA153 Buda 153 CID (2.5L) Diesel	3.438in./87.33mmX4.125in./104.8mm	7	G138 Allis Chalmers 138 CID (2.3L)	3.375in./85.7mmX3.875in./98.4mm	6			
4DA175 Buda 175 CID (2.9L) Diesel	3.563in./90.5mmX4.375in./111.1mm	8	G138 Allis Chalmers 138 CID (2.3L) CNG	3.375in./85.7mmX3.875in./98.4mm	6			
4G139 Allis Chalmers 139 CID (2.3L)	3.375in./85.7mmX3.875in./98.4mm	6						
4G153 Buda 153 CID (2.5L)	3.438in./87.33mmX4.125in./104.8mm	7						
433 Allis Chalmers 200 CID (3.3L) Diesel	3.875in./98.4mmX4.250in./108mm	9						



ALLIS-CHALMERS (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL (Cont.)			6 CYL (Cont.)		
G149 Allis Chalmers 149 CID (2.4L)	3.500in./88.9mmX3.875in./98.4mm	6	11000 MKII Allis Chalmers 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	22
G153 Buda 153 CID (2.5L)	3.438in./87.33mmX4.125in./104.8mm	7	16000 Allis Chalmers 844 CID (13.8L) Diesel	5.250in./133.4mmX6.500in./165.1mm	24
G160 Allis Chalmers 160 CID (2.6L)	3.625in./92.1mmX3.875in./98.4mm	6	16000H Allis Chalmers 844 CID (13.8L) Diesel	5.250in./133.4mmX6.500in./165.1mm	23
G201 Allis Chalmers 201 CID (3.3L)	4.000in./101.6mmX4.000in./101.6mm	11	17000MKII Allis Chalmers 844 CID (13.8L) Diesel	5.250in./133.4mmX6.500in./165.1mm	23
G201 Allis Chalmers 201 CID (3.3L) Dist	4.000in./101.6mmX4.000in./101.6mm	11	19000 Allis Chalmers 779 CID (12.8L)	5.250in./133.4mmX6.000in./152.4mm	23
G226 Allis Chalmers 226 CID (3.7L)	4.000in./101.6mmX4.500in./114.3mm	12	21000 Allis Chalmers 844 CID (13.8L) Diesel	5.250in./133.4mmX6.500in./165.1mm	24
G226 Allis Chalmers 226 CID (3.7L) LPG	4.000in./101.6mmX4.500in./114.3mm	12	21000H Allis Chalmers 844 CID (13.8L) Diesel	5.250in./133.4mmX6.500in./165.1mm	24
G2200 Allis Chalmers 200 CID (3.3L)	3.875in./98.4mmX4.250in./108mm	9	21000MKII Allis Chalmers 844 CID (13.8L) Diesel	5.250in./133.4mmX6.500in./165.1mm	23
HD344 Buda 344 CID (5.6L) Diesel	4.438in./112.7mmX5.563in./141.3mm	14	25000 Allis Chalmers 844 CID (13.8L) Diesel Turbocharged	5.250in./133.4mmX6.500in./165.1mm	24
VHAD Wisconsin 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	4	25000MKII Allis Chalmers 844 CID (13.8L) Diesel	5.250in./133.4mmX6.500in./165.1mm	23
6 CYL			AD5516 Buda 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	22
6-71 Detroit Diesel 426 CID (7.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	20	D230 Buda 230 CID (3.8L) Diesel	3.438in./87.33mmX4.125in./104.8mm	15
6-85I Allis Chalmers 516 CID (8.5L) Diesel Turbocharged/Intercooled	4.438in./112.7mmX5.563in./141.3mm	22	D262 Buda 262 CID (4.3L) Flex	3.562in./90.5mmX4.375in./111.1mm	15
6B230 Buda 230 CID (3.8L)	3.438in./87.33mmX4.125in./104.8mm	15	6BD230 Buda 230 CID (3.8L) Diesel	3.438in./87.33mmX4.125in./104.8mm	15
6B230 Buda 230 CID (3.8L) LPG	3.438in./87.33mmX4.125in./104.8mm	15	6D230 Buda 230 CID (3.8L) Diesel	3.438in./87.33mmX4.125in./104.8mm	15
6B262 Buda 262 CID (4.3L) Diesel	3.562in./90.5mmX4.375in./111.1mm	15	6D262 Buda 262 CID (4.3L) Diesel	3.562in./90.5mmX4.375in./111.1mm	15
6D230 Buda 230 CID (3.8L) Diesel	3.438in./87.33mmX4.125in./104.8mm	15	6D262T Buda 262 CID (4.3L) Diesel Turbocharged	3.562in./90.5mmX4.375in./111.1mm	15
6D262 Buda 262 CID (4.3L) Diesel	3.562in./90.5mmX4.375in./111.1mm	15	6D273 Buda 273 CID (4.5L) Diesel	3.750in./95.3mmX4.125in./104.8mm	15
6D262T Buda 262 CID (4.3L) Diesel	3.562in./90.5mmX4.375in./111.1mm	15	6D1516 Buda 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	22
6D273 Buda 273 CID (4.5L) Diesel	3.750in./95.3mmX4.125in./104.8mm	15	6DA230 Buda 230 CID (3.8L) Diesel	3.438in./87.33mmX4.125in./104.8mm	15
6D1516 Buda 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	22	6G262 Buda 262 CID (4.3L)	3.562in./90.5mmX4.375in./111.1mm	15
6DA230 Buda 230 CID (3.8L) Diesel	3.438in./87.33mmX4.125in./104.8mm	15	649 Allis Chalmers 301 CID (4.9L) Diesel	3.875in./98.4mmX4.250in./108mm	17
6G262 Buda 262 CID (4.3L)	3.562in./90.5mmX4.375in./111.1mm	15	649T Allis Chalmers 301 CID (4.9L) Diesel Turbocharged	3.875in./98.4mmX4.250in./108mm	18
649 Allis Chalmers 301 CID (4.9L) Diesel	3.875in./98.4mmX4.250in./108mm	17	670 MKII Allis Chalmers 426 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	21
649T Allis Chalmers 301 CID (4.9L) Diesel Turbocharged	3.875in./98.4mmX4.250in./108mm	18	670I MKII Allis Chalmers 426 CID (7.0L) Diesel Turbocharged/Intercooled	4.250in./108mmX5.000in./127mm	21
670 MKII Allis Chalmers 426 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	21	670T MKII Allis Chalmers 426 CID (7.0L) Diesel Turbocharged	4.250in./108mmX5.000in./127mm	21
670I MKII Allis Chalmers 426 CID (7.0L) Diesel Turbocharged/Intercooled	4.250in./108mmX5.000in./127mm	21	685T Allis Chalmers 516 CID (8.5L) Diesel Turbocharged	4.438in./112.7mmX5.563in./141.3mm	22
670T MKII Allis Chalmers 426 CID (7.0L) Diesel Turbocharged	4.250in./108mmX5.000in./127mm	21	2900 Allis Chalmers 301 CID (4.9L) Diesel	3.875in./98.4mmX4.250in./108mm	17
685T Allis Chalmers 516 CID (8.5L) Diesel Turbocharged	4.438in./112.7mmX5.563in./141.3mm	22	6138-I Allis Chalmers 844 CID (13.8L) Diesel Turbocharged/Intercooled	5.250in./133.4mmX6.500in./165.1mm	23
2900 Allis Chalmers 301 CID (4.9L) Diesel	3.875in./98.4mmX4.250in./108mm	17	6138LT Allis Chalmers 844 CID (13.8L) Diesel	5.250in./133.4mmX6.500in./165.1mm	23
6138-I Allis Chalmers 844 CID (13.8L) Diesel Turbocharged/Intercooled	5.250in./133.4mmX6.500in./165.1mm	23	6138T Allis Chalmers 844 CID (13.8L) Diesel Turbocharged	5.250in./133.4mmX6.500in./165.1mm	23
6138LT Allis Chalmers 844 CID (13.8L) Diesel	5.250in./133.4mmX6.500in./165.1mm	23	10000 Allis Chalmers 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	22
6138T Allis Chalmers 844 CID (13.8L) Diesel Turbocharged	5.250in./133.4mmX6.500in./165.1mm	23	10000 MKII Allis Chalmers 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	22
10000 Allis Chalmers 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	22	11000 Allis Chalmers 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	22
10000 MKII Allis Chalmers 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	22	8 CYL		
11000 Allis Chalmers 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	22	V555 Cummins 555 CID (9.1L) Diesel	4.625in./117.5mmX4.125in./104.8mm	26

MODEL DATA

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
1B Base Model	Wheel Tractor	125 CID (2.0L) CE Allis Chalmers	5	3A Base Model	Harvester	237 CID (3.9L) QXLD Hercules	16
2A Base Model	Harvester	230 CID (3.8L) 6B230 Buda	15	3E Base Model	Harvester	230 CID (3.8L) 6B230 Buda	15
2A Base Model	Harvester	237 CID (3.9L) QXLD Hercules	16	3E Base Model	Harvester	237 CID (3.9L) QXLD Hercules	16
3A Base Model	Harvester	230 CID (3.8L) 6B230 Buda	15	4C Base Model	Harvester	262 CID (4.3L) 6G262 Buda	15



ALLIS-CHALMERS (Cont.)
MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
4W-220 Base Model	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	180 Base Model	Wheel Tractor	301 CID (4.9L) G2900 Allis Chalmers	17
6G Base Model	Wheel Tractor	344 CID (5.6L) 6000 Allis Chalmers Diesel	14	185 Base Model	Wheel Tractor	265 CID (4.3L) G2500 Allis Chalmers	17
7GB Base Model	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	185 Base Model	Wheel Tractor	301 CID (4.9L) G2900 Allis Chalmers	17
10 Std. Base Model	Baler	149 CID (2.4L) G149 Allis Chalmers	6	185D Base Model	Wheel Tractor	301 CID (4.9L) D2900 Allis Chalmers Diesel	17
45 Base Model	Industrial	516 CID (8.5L) ADS516 Buda Diesel	22	190 Base Model	Wheel Tractor	265 CID (4.3L) G2500 Allis Chalmers	17
50 Base Model	Harvester	149 CID (2.4L) G149 Allis Chalmers	6	190 Base Model	Wheel Tractor	301 CID (4.9L) G2900 Allis Chalmers	17
60 Base Model	Combine	125 CID (2.0L) B125 Allis Chalmers	5	190XT III	Wheel Tractor	301 CID (4.9L) G2900 Allis Chalmers	17
60H Base Model	Combine	125 CID (2.0L) CE Allis Chalmers	5	200 Base Model	Wheel Tractor	301 CID (4.9L) G2900 Allis Chalmers	17
65 Base Model	Industrial	262 CID (4.3L) DA262 Buda Diesel	15	200C Base Model	Grader	516 CID (8.5L) 10000 Allis Chalmers Diesel	22
66 Base Model	Combine	116 CID (1.9L) BE Allis Chalmers	5	200D Base Model	Wheel Tractor	301 CID (4.9L) D2900 Allis Chalmers Diesel	18
66 Base Model	Combine	125 CID (2.0L) B125 Allis Chalmers	5	210 Base Model	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21
66 Base Model	Combine	149 CID (2.4L) G149 Allis Chalmers	6	220 Base Model	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21
72 Base Model	Combine	138 CID (2.3L) G138 Allis Chalmers	6	260A Base Model	Scraper	844 CID (13.8L) 21000 Allis Chalmers Diesel	24
72 Base Model	Combine	139 CID (2.3L) 4G139 Allis Chalmers	6	260B Base Model	Wheel Tractor	844 CID (13.8L) 17000MKII Allis Chalmers Diesel	23
72 Base Model	Combine	149 CID (2.4L) G149 Allis Chalmers	6	260D Base Model	Wheel Tractor	844 CID (13.8L) 21000 Allis Chalmers Diesel	24
90 Base Model	Combine	149 CID (2.4L) G149 Allis Chalmers	6	260E Base Model	Scraper	844 CID (13.8L) 21000 Allis Chalmers Diesel	24
100 Base Model	Combine	201 CID (3.3L) G201 Allis Chalmers	11	260P Base Model	Wheel Tractor	844 CID (13.8L) 21000 Allis Chalmers Diesel	24
100C Base Model	Grader	516 CID (8.5L) 10000 Allis Chalmers Diesel	22	261B Base Model	Wheel Tractor	844 CID (13.8L) 17000MKII Allis Chalmers Diesel	23
100SP Base Model	Combine	201 CID (3.3L) G201 Allis Chalmers	11	262B Base Model	Scraper	844 CID (13.8L) 21000MKII Allis Chalmers Diesel	23
140 Base Model	Industrial	149 CID (2.4L) G149 Allis Chalmers	6	263B Base Model	Scraper	844 CID (13.8L) 21000MKII Allis Chalmers Diesel	23
145 Base Model	Grader	344 CID (5.6L) 7000 Allis Chalmers Diesel	14	303 Base Model	Baler	108 CID (1.8L) VH4D Wisconsin	4
145 Base Model	Grader	516 CID (8.5L) 10000 Allis Chalmers Diesel	22	303 Base Model	Baler	149 CID (2.4L) G149 Allis Chalmers	6
145T Base Model	Grader	344 CID (5.6L) 7000 Allis Chalmers Diesel	14	440 Base Model	Wheel Tractor	555 CID (9.1L) V555 Cummins Diesel	26
150C Base Model	Grader	516 CID (8.5L) 10000 Allis Chalmers Diesel	22	460B Base Model	Scraper	844 CID (13.8L) 25000 Allis Chalmers Diesel	24
160 Base Model	Industrial Tractor	160 CID (2.6L) G160 Allis Chalmers	6	460C Base Model	Scraper	844 CID (13.8L) 25000 Allis Chalmers Diesel	24
160 Base Model	Industrial Tractor	175 CID (2.9L) 4D175 Buda Diesel	8	500 Base Model	Cotton Picker	175 CID (2.9L) 4D175 Buda Diesel	8
160 Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12	500 Base Model	Cotton Picker	226 CID (3.7L) G226 Allis Chalmers	12
160 Base Model	Wheel Tractor	516 CID (8.5L) 11000 Allis Chalmers Diesel	22	545 Base Model	Grader	301 CID (4.9L) G2800 Allis Chalmers	17
160D Base Model	Wheel Tractor	152 CID (2.5L) AD3-152 Perkins Diesel	2	555 Base Model	Grader	844 CID (13.8L) HD844 Allis Chalmers Diesel	25
160D Base Model	Crawler	175 CID (2.9L) 4D175 Buda Diesel	8	562C Base Model	Wheel Tractor	844 CID (13.8L) HD844 Allis Chalmers Diesel	25
170 Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12	616 Base Model	Picker	226 CID (3.7L) G226 Allis Chalmers	12
170 Base Model	Wheel Tractor	344 CID (5.6L) 6000 Allis Chalmers Diesel	14	616 Base Model	Picker	262 CID (4.3L) 6G262 Buda	15
170G Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12	622 Base Model	Picker	226 CID (3.7L) G226 Allis Chalmers	12
175 Base Model	Wheel Tractor	200 CID (3.3L) D2200 Allis Chalmers Diesel	9	622 Base Model	Picker	262 CID (4.3L) 6G262 Buda	15
175 Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12				
180 Base Model	Wheel Tractor	265 CID (4.3L) G2500 Allis Chalmers	17				



ALLIS-CHALMERS (Cont.)

MODEL DATA (Cont.)							
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
645 Base Model	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	Base Model	Industrial	844 CID (13.8L) 6138T Allis Chalmers Diesel	23
715 C	Backhoe	200 CID (3.3L) 433T Allis Chalmers Diesel	10	A11 Base Model	Combine	230 CID (3.8L) 6B230 Buda	15
745 Base Model	Wheel Tractor	516 CID (8.5L) 11000 Allis Chalmers Diesel	22	A11 Base Model	Combine	237 CID (3.9L) QXLD Hercules	16
801 Base Model	Picker	226 CID (3.7L) G226 Allis Chalmers	12	A Base Model	Cotton Picker	175 CID (2.9L) 4D175 Buda Diesel	8
801 Base Model	Picker	262 CID (4.3L) 6G262 Buda	15	A Base Model	Cotton Picker	230 CID (3.8L) G230 Buda	15
802 Base Model	Picker	226 CID (3.7L) G226 Allis Chalmers	12	A Base Model	Cotton Picker	237 CID (3.9L) QXLD Hercules	16
802 Base Model	Picker	262 CID (4.3L) 6G262 Buda	15	A Base Model	Combine	262 CID (4.3L) DA262 Buda Diesel	15
840 B	Backhoe	301 CID (4.9L) G2800 Allis Chalmers	17	AC Base Model	Harvester	125 CID (2.0L) B125 Allis Chalmers	5
860 Base Model	Harvester	301 CID (4.9L) G2800 Allis Chalmers	17	AH Base Model	Combine	230 CID (3.8L) G230 Buda	15
940 Base Model	Backhoe	301 CID (4.9L) G2900 Allis Chalmers	17	AH Base Model	Combine	237 CID (3.9L) QXLD Hercules	16
1400 Base Model	Industrial Tractor	149 CID (2.4L) G149 Allis Chalmers	6	AH Base Model	Combine	262 CID (4.3L) D262 Buda Diesel	15
1600 Base Model	Wheel Tractor	160 CID (2.6L) G160 Allis Chalmers	6	AT40 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7
1600 Base Model	Industrial Tractor	175 CID (2.9L) 4D175 Buda Diesel	8	AT40 Base Model	Fork Lift	175 CID (2.9L) 4DA175 Buda Diesel	8
2200 Base Model	Wheel Tractor	200 CID (3.3L) D2200 Allis Chalmers Diesel	9	AT60 Base Model	Fork Lift	262 CID (4.3L) 6G262 Buda	15
6060 Base Model	Wheel Tractor	200 CID (3.3L) D2200 Allis Chalmers Diesel	9	AT70 Base Model	Fork Lift	262 CID (4.3L) 6G262 Buda	15
6070 Base Model	Wheel Tractor	200 CID (3.3L) 433T Allis Chalmers Diesel	10	AT80 Base Model	Fork Lift	262 CID (4.3L) 6G262 Buda	15
6080 Base Model	Wheel Tractor	200 CID (3.3L) D2200 Allis Chalmers Diesel	9	AT100 Base Model	Fork Lift	262 CID (4.3L) 6G262 Buda	15
7000 Base Model	Wheel Tractor	301 CID (4.9L) G2900 Allis Chalmers	17	AT120 Base Model	Fork Lift	262 CID (4.3L) 6G262 Buda	15
7010 PS	Wheel Tractor	301 CID (4.9L) G2900 Allis Chalmers	17	ATM60 Base Model	Fork Lift	262 CID (4.3L) 6G262 Buda	15
7030 Base Model	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	ATM70 Base Model	Fork Lift	262 CID (4.3L) 6G262 Buda	15
7040 PS	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	AY80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
7045 PS	Wheel Tractor	426 CID (7.0L) D3700 MKII Allis Chalmers Diesel	21	AY100 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
7050 Base Model	Wheel Tractor	426 CID (7.0L) D3700 MKII Allis Chalmers Diesel	21	AY120 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
7060 PS	Wheel Tractor	426 CID (7.0L) D3700 MKII Allis Chalmers Diesel	21	B15 Base Model	Industrial	125 CID (2.0L) B125 Allis Chalmers	5
7080 Base Model	Wheel Tractor	426 CID (7.0L) D3750 MKII Allis Chalmers Diesel	21	B125 Base Model	Power Unit	125 CID (2.0L) B125 Allis Chalmers	5
7085 Base Model	Wheel Tractor	426 CID (7.0L) D3750 MKII Allis Chalmers Diesel	21	B Base Model	Wheel Tractor	116 CID (1.9L) BE Allis Chalmers	5
7580 Base Model	Wheel Tractor	426 CID (7.0L) D3750 MKII Allis Chalmers Diesel	21	B Base Model	Wheel Tractor	125 CID (2.0L) CE Allis Chalmers	5
8010 PS	Wheel Tractor	301 CID (4.9L) D2800 Allis Chalmers Diesel	17	B Base Model	Combine	230 CID (3.8L) G230 Buda	15
8030 PS	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	B Base Model	Combine	237 CID (3.9L) QXLD Hercules	16
8050 PS	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	B Base Model	Combine	262 CID (4.3L) DA262 Buda Diesel	15
8070 PS	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	C11 Base Model	Combine	262 CID (4.3L) 6G262 Buda	15
Base Model	Industrial	175 CID (2.9L) 4DA175 Buda Diesel	8	C Base Model	Wheel Tractor	125 CID (2.0L) CE Allis Chalmers	5
Base Model	Industrial	200 CID (3.3L) 433T Allis Chalmers Diesel	10	C Base Model	Combine	262 CID (4.3L) 6G262 Buda	15
Base Model	Industrial	426 CID (7.0L) D3700 MKII Allis Chalmers Diesel	21	CA Base Model	Wheel Tractor	125 CID (2.0L) CE Allis Chalmers	5
Base Model	Industrial	516 CID (8.5L) 6D1516 Buda Diesel	22	CB Base Model	Wheel Tractor	116 CID (1.9L) BE Allis Chalmers	5
Base Model	Industrial	779 CID (12.8L) 19000 Allis Chalmers	23	CE Base Model	Wheel Tractor	116 CID (1.9L) BE Allis Chalmers	5



ALLIS-CHALMERS (Cont.)

MODEL DATA (Cont.)							
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
CH Base Model	Harvester	262 CID (4.3L) 6G262 Buda	15	F3 Base Model	Combine	200 CID (3.3L) D2200 Allis Chalmers Diesel	9
CR Base Model	Harvester	262 CID (4.3L) D262 Buda Diesel	15	F30 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7
D10 Series 1 Base Model	Wheel Tractor	138 CID (2.3L) G138 Allis Chalmers	6	F30 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8
D10 Series 1 Base Model	Wheel Tractor	139 CID (2.3L) 4G139 Allis Chalmers	6	F40 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7
D10 Series II Base Model	Wheel Tractor	149 CID (2.4L) G149 Allis Chalmers	6	F40 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8
D10 Series III Base Model	Wheel Tractor	149 CID (2.4L) G149 Allis Chalmers	6	F50 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7
D12 Series 1 Base Model	Wheel Tractor	138 CID (2.3L) G138 Allis Chalmers	6	F50 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8
D12 Series 1 Base Model	Wheel Tractor	139 CID (2.3L) 4G139 Allis Chalmers	6	F60 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
D12 Series II Base Model	Wheel Tractor	149 CID (2.4L) G149 Allis Chalmers	6	F60 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
D12 Series III Base Model	Wheel Tractor	149 CID (2.4L) G149 Allis Chalmers	6	F70 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
D14 Base Model	Wheel Tractor	139 CID (2.3L) 4G139 Allis Chalmers	6	F70 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
D14 Base Model	Power Unit	149 CID (2.4L) G149 Allis Chalmers	6	F80 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
D15 Base Model	Wheel Tractor	138 CID (2.3L) G138 Allis Chalmers	6	F80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
D15 Base Model	Wheel Tractor	139 CID (2.3L) 4G139 Allis Chalmers	6	F100 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
D15 Base Model	Power Unit	149 CID (2.4L) G149 Allis Chalmers	6	F100 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
D15 Ser II Base Model	Wheel Tractor	160 CID (2.6L) G160 Allis Chalmers	6	F120 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
D15D Base Model	Wheel Tractor	175 CID (2.9L) 4D175 Buda Diesel	8	F120 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
D17 Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12	F Base Model	Combine	262 CID (4.3L) G262 Allis Chalmers	15
D17 Base Model	Wheel Tractor	230 CID (3.8L) 6BD230 Buda Diesel	15	F Base Model	Combine	301 CID (4.9L) D2800 Allis Chalmers Diesel	17
D17D Base Model	Wheel Tractor	262 CID (4.3L) DA262 Buda Diesel	15	FD30 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7
D17D Series IV Base Model	Wheel Tractor	262 CID (4.3L) DA262 Buda Diesel	15	FD30 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8
D19 Base Model	Wheel Tractor	262 CID (4.3L) 6G262 Buda	15	FD40 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7
D19D Base Model	Wheel Tractor	262 CID (4.3L) 6D262 Buda Diesel	15	FD40 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8
D21 D	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	FD50 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7
D30 Base Model	Grader	516 CID (8.5L) 11000 Allis Chalmers Diesel	22	FD50 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8
D40 Base Model	Wheel Tractor	844 CID (13.8L) 21000H Allis Chalmers Diesel	24	FD60 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
D344 Base Model	Power Unit	344 CID (5.6L) 6000 Allis Chalmers Diesel	14	FD60 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
D Base Model	Grader	153 CID (2.5L) DA153 Allis Chalmers Diesel	7	FD70 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
D Base Model	Grader	226 CID (3.7L) G226 Allis Chalmers	12	FD70 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
D Base Model	Grader	230 CID (3.8L) G230 Buda	15	FD80 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
D Base Model	Grader	262 CID (4.3L) 6G262 Buda	15	FD80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
D Base Model	Grader	273 CID (4.5L) G273 Allis Chalmers	15	FD100 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
DD Base Model	Grader	262 CID (4.3L) 6G262 Buda	15	FD100 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
DG Base Model	Grader	226 CID (3.7L) G226 Allis Chalmers	12	FD120 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
E Base Model	Combine	226 CID (3.7L) G226 Allis Chalmers	12	FD120 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
F2 Base Model	Combine	200 CID (3.3L) 433 Allis Chalmers Diesel	9	FDX30 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8



ALLIS-CHALMERS (Cont.)

MODEL DATA (Cont.)							
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
FDX40 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8	FPDX70 Base Model	Fork Lift	262 CID (4.3L) D262 Buda Diesel	15
FDX50 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8	FPL40 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7
FDX60 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15	FPL50 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7
FDX60 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FPL60 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
FDX70 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FPL70 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
FDX80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FPL80 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15
FDX100 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FS60 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FDX120 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FS70 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FL30 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7	FS80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FL40 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7	FSD60 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FL50 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7	FSD70 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FL60 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FSD80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FL70 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FSL60 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FL80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FSL70 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FL100 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FSL80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FL120 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FST60 Base Model	Fork Lift	262 CID (4.3L) 6D262T Buda Diesel	15
FL200 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FST70 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FLT50 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7	FST80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15
FP30 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8	FT30 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FP40 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7	FT30-15 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FP40 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8	FT30-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FP50 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7	FT40 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FP50 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8	FT40-18 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FP60 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15	FT40-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FP60 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FT50 Base Model	Fork Lift	182 CID (3.0L) 4B182 Buda	7
FP70 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15	FT50-24 Base Model	Fork Lift	182 CID (3.0L) 4B182 Buda	7
FP70 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FT60 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FP80 Base Model	Fork Lift	230 CID (3.8L) G230 Buda	15	FT60-24 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FP80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FT70 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FPD40 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8	FT70-24 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FPD50 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8	FT75-24 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FPD60 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FT80 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FPD70 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FT80-24 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FPD80 Base Model	Fork Lift	262 CID (4.3L) DA262 Buda Diesel	15	FT100 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FPDX40 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8	FT100-24 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FPDX50 Base Model	Fork Lift	175 CID (2.9L) 4D175 Buda Diesel	8	FTB50-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7



ALLIS-CHALMERS (Cont.)
MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
FTBD50-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	FTL70 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTBL50-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	FTL70-24 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTD30 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	FTL75 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTD30-15 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	FTL80 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTD30-24 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	FTL80-24 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTD40 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	FTL100 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTD40-18 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	FTLB50 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FTD40-24 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	FTP30 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FTD50 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	FTP30-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FTD50-24 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	FTP40 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FTD60 Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15	FTP40-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FTD60-24 Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15	FTP60 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTD70 Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15	FTP60-24 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTD70-24 Base Model	Fork Lift	230 CID (3.8L) 6DA230 Buda Diesel	15	FTPD30 Base Model	Fork Lift	153 CID (2.5L) 4D153 Buda Diesel	7
FTD75-24C Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15	FTPD30-24 Base Model	Fork Lift	153 CID (2.5L) 4DA153 Buda Diesel	7
FTD80 Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15	FTPD40 Base Model	Fork Lift	153 CID (2.5L) 4D153 Buda Diesel	7
FTD80-24 Base Model	Fork Lift	230 CID (3.8L) 6DA230 Buda Diesel	15	FTPD60 Base Model	Fork Lift	230 CID (3.8L) 6DA230 Buda Diesel	15
FTD100 Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15	FTPD60-24 Base Model	Fork Lift	230 CID (3.8L) 6DA230 Buda Diesel	15
FTDB50 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	FTPD Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15
FTDX30 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	FTPDX60 Base Model	Fork Lift	230 CID (3.8L) 6DA230 Buda Diesel	15
FTDX40 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	FTPL30 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FTDX60 Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15	FTPL30-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FTDX70 Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15	FTPL40 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7
FTDX75 Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15	FTPL60 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTDX80 Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15	FTPL60-24 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTDXB50 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	G149 Base Model	Power Unit	149 CID (2.4L) G149 Allis Chalmers	6
FTL30 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	G Base Model	Combine	301 CID (4.9L) G2900 Allis Chalmers	17
FTL30-15 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	H3 Base Model	Crawler	149 CID (2.4L) G149 Allis Chalmers	6
FTL30-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	H4 Base Model	Wheel Tractor	200 CID (3.3L) G2200 Allis Chalmers	9
FTL40 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	HA75 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTL40-18 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	HA90 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTL40-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	HA120 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTL50 Base Model	Fork Lift	153 CID (2.5L) G153 Buda	7	HB75 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTL50-24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	HB90 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTL60 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	HB120 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
FTL60-24 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15	HD3 Base Model	Wheel Tractor	153 CID (2.5L) 4G153 Buda	7



ALLIS-CHALMERS (Cont.)
MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
HD3 Base Model	Crawler	175 CID (2.9L) 4D175 Buda Diesel	8	HD16FC Base Model	Crawler	844 CID (13.8L) 21000 Allis Chalmers Diesel	24
HD4 Base Model	Crawler	200 CID (3.3L) D2200 Allis Chalmers Diesel	9	HD16GC Base Model	Crawler	844 CID (13.8L) 21000 Allis Chalmers Diesel	24
HD5 Base Model	Crawler	142 CID (2.3L) 2-71 Detroit Diesel Diesel	1	HD19 Base Model	Crawler	426 CID (7.0L) 6-71 Detroit Diesel Diesel	20
HD6 Base Model	Crawler	344 CID (5.6L) HD344 Buda Diesel	14	HD19H Base Model	Crawler	426 CID (7.0L) 6-71 Detroit Diesel Diesel	20
HD6A Base Model	Crawler	344 CID (5.6L) 7000 MKII Allis Chalmers Diesel	14	HD21 Base Model	Crawler	844 CID (13.8L) HD844 Allis Chalmers Diesel	25
HD6B Base Model	Crawler	344 CID (5.6L) 7000 MKII Allis Chalmers Diesel	14	HD21A Base Model	Crawler	844 CID (13.8L) 21000 Allis Chalmers Diesel	24
HD6E Base Model	Crawler	344 CID (5.6L) 7000 MKII Allis Chalmers Diesel	14	HD21F Base Model	Crawler	844 CID (13.8L) 21000 Allis Chalmers Diesel	24
HD6EP Base Model	Crawler	344 CID (5.6L) 7000 MKII Allis Chalmers Diesel	14	HD21G Base Model	Crawler	844 CID (13.8L) 21000 Allis Chalmers Diesel	24
HD6G Base Model	Crawler	344 CID (5.6L) 7000 Allis Chalmers Diesel	14	HD21P Base Model	Crawler	844 CID (13.8L) 25000 Allis Chalmers Diesel	24
HD6LTS Base Model	Crawler	344 CID (5.6L) 7000 Allis Chalmers Diesel	14	JD230 Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15
HD7 Base Model	Crawler	213 CID (3.5L) 3-71 Detroit Diesel Diesel	3	JD230N Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15
HD7 Base Model	Wheel Tractor	344 CID (5.6L) 7000 Allis Chalmers Diesel	14	JD230P Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15
HD7 Base Model	Crawler	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	JD230PLD Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15
HD7G Base Model	Crawler	344 CID (5.6L) 7000 MKII Allis Chalmers Diesel	14	JD230PLS Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15
HD7G Base Model	Crawler	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	JD230WL Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15
HD7W Base Model	Crawler	213 CID (3.5L) 3-71 Detroit Diesel Diesel	3	JD230WN Base Model	Fork Lift	230 CID (3.8L) 6BD230 Buda Diesel	15
HD9 Base Model	Crawler	284 CID (4.7L) 4-71 Detroit Diesel Diesel	13	JG230 Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
HD10 Base Model	Crawler	284 CID (4.7L) 4-71 Detroit Diesel Diesel	13	JG230N Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
HD10W Base Model	Crawler	284 CID (4.7L) 4-71 Detroit Diesel Diesel	13	JG230P Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
HD11 Base Model	Crawler	516 CID (8.5L) HD516 Buda Diesel	22	JG230PLD Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
HD11B Base Model	Crawler	516 CID (8.5L) 685T Allis Chalmers Diesel	22	JG230PLS Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
HD11E Base Model	Crawler	516 CID (8.5L) 685T Allis Chalmers Diesel	22	JG230WL Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
HD11EC Base Model	Crawler	516 CID (8.5L) 685T Allis Chalmers Diesel	22	JG230WN Base Model	Fork Lift	230 CID (3.8L) 6B230 Buda	15
HD11P Base Model	Crawler	516 CID (8.5L) 685T Allis Chalmers Diesel	22	K2 Base Model	Combine	200 CID (3.3L) 433T Allis Chalmers Diesel	10
HD12G Base Model	Crawler	516 CID (8.5L) 11000 Allis Chalmers Diesel	22	K Base Model	Combine	200 CID (3.3L) 433T Allis Chalmers Diesel	10
HD12GB Base Model	Crawler	516 CID (8.5L) 10000 Allis Chalmers Diesel	22	L2 Base Model	Combine	301 CID (4.9L) 2900 Allis Chalmers Diesel	17
HD14 Base Model	Crawler	426 CID (7.0L) 6-71 Detroit Diesel Diesel	20	L2 Base Model	Combine	426 CID (7.0L) D3500 Allis Chalmers Diesel	21
HD14C Base Model	Crawler	426 CID (7.0L) 6-71 Detroit Diesel Diesel	20	L3 Base Model	Combine	301 CID (4.9L) G2900 Allis Chalmers	17
HD15 Base Model	Crawler	426 CID (7.0L) 6-71 Detroit Diesel Diesel	20	L5 Base Model	Combine	426 CID (7.0L) D3500 Allis Chalmers Diesel	21
HD16 Series	Wheel Tractor	844 CID (13.8L) HD844 Allis Chalmers Diesel	25	L Base Model	Combine	301 CID (4.9L) G2900 Allis Chalmers	17
HD16A Base Model	Crawler	844 CID (13.8L) 21000 Allis Chalmers Diesel	24	L Base Model	Combine	426 CID (7.0L) D3400 Allis Chalmers Diesel	21
HD16AC Base Model	Crawler	844 CID (13.8L) 21000 Allis Chalmers Diesel	24	M2 Base Model	Combine	301 CID (4.9L) 2900 Allis Chalmers Diesel	17
HD16B Base Model	Crawler	844 CID (13.8L) 21000H Allis Chalmers Diesel	24	M3 Base Model	Combine	301 CID (4.9L) G2900 Allis Chalmers	17
HD16D Base Model	Crawler	844 CID (13.8L) 21000H Allis Chalmers Diesel	24	M60 Base Model	Grader	344 CID (5.6L) 6000 Allis Chalmers Diesel	14
HD16DC Base Model	Crawler	844 CID (13.8L) 21000H Allis Chalmers Diesel	24	M65 Base Model	Grader	262 CID (4.3L) DA262 Buda Diesel	15
HD16DP Base Model	Crawler	844 CID (13.8L) 21000H Allis Chalmers Diesel	24	M70 Base Model	Grader	344 CID (5.6L) 7000 Allis Chalmers Diesel	14



ALLIS-CHALMERS (Cont.)
MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
M100 Base Model	Grader	516 CID (8.5L) 10000 Allis Chalmers Diesel	22	TL14 Base Model	Loader	262 CID (4.3L) DA262 Buda Diesel	15
M100B Base Model	Grader	516 CID (8.5L) 11000 Allis Chalmers Diesel	22	TL14D Base Model	Loader	344 CID (5.6L) 6000 Allis Chalmers Diesel	14
M Base Model	Wheel Tractor	301 CID (4.9L) G2900 Allis Chalmers	17	TL14DA Base Model	Loader	262 CID (4.3L) DA262 Buda Diesel	15
MH2 Base Model	Combine	301 CID (4.9L) G2900 Allis Chalmers	17	TL14DA Base Model	Wheel Tractor	273 CID (4.5L) 6D273 Buda Diesel	15
MH2 Base Model	Combine	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	TL14DS Base Model	Loader	262 CID (4.3L) DA262 Buda Diesel	15
MH3 Base Model	Combine	301 CID (4.9L) G2900 Allis Chalmers	17	TL16 Base Model	Loader	339 CID (5.6L) GO339 Hercules	19
N5 Base Model	Combine	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	TL16 4 Wheel Drive	Loader	344 CID (5.6L) 7000 Allis Chalmers Diesel	14
N6 Base Model	Combine	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	TL16D Base Model	Loader	344 CID (5.6L) HD344 Buda Diesel	14
N7 Base Model	Combine	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	TL20 Base Model	Loader	516 CID (8.5L) HD516 Buda Diesel	22
NF Base Model	Combine	426 CID (7.0L) D3500 Allis Chalmers Diesel	21	TL30 Base Model	Loader	516 CID (8.5L) 685T Allis Chalmers Diesel	22
R5 Base Model	Combine	426 CID (7.0L) 670I MKII Allis Chalmers Diesel	21	TL40 Base Model	Loader	844 CID (13.8L) 25000 Allis Chalmers Diesel	24
R6 Base Model	Combine	426 CID (7.0L) 670I MKII Allis Chalmers Diesel	21	TL40D Base Model	Loader	844 CID (13.8L) 21000H Allis Chalmers Diesel	24
R7 Base Model	Combine	516 CID (8.5L) 6-85I Allis Chalmers Diesel	22	TL45 Base Model	Wheel Tractor	426 CID (7.0L) D3500 Allis Chalmers Diesel	21
R Base Model	Combine	230 CID (3.8L) G230 Buda	15	TL345B Base Model	Loader	301 CID (4.9L) D2900 Allis Chalmers Diesel	18
R Base Model	Combine	262 CID (4.3L) DA262 Buda Diesel	15	TL545 Base Model	Wheel Tractor	301 CID (4.9L) G2800 Allis Chalmers	17
RC Base Model	Wheel Tractor	125 CID (2.0L) CE Allis Chalmers	5	TL645 Base Model	Loader	426 CID (7.0L) D3500 Allis Chalmers Diesel	21
RT40 Base Model	Fork Lift	149 CID (2.4L) G149 Allis Chalmers	6	TL745&H Base Model	Loader	516 CID (8.5L) 10000 Allis Chalmers Diesel	22
Rice Special SP Base Model	Harvester	237 CID (3.9L) QXLD Hercules	16	TL745B Base Model	Loader	516 CID (8.5L) 10000 Allis Chalmers Diesel	22
T16 Base Model	Crawler	344 CID (5.6L) 7000 Allis Chalmers Diesel	14	TL745C Base Model	Loader	516 CID (8.5L) 10000 Allis Chalmers Diesel	22
T160 Base Model	Wheel Tractor	516 CID (8.5L) HD516 Buda Diesel	22	TL945B Base Model	Loader	844 CID (13.8L) 6138-I Allis Chalmers Diesel	23
T624 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	TR160 Base Model	Loader	516 CID (8.5L) 10000 Allis Chalmers Diesel	22
T630 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	TS260 Base Model	Scraper	844 CID (13.8L) 16000 Allis Chalmers Diesel	24
TD24 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	TS360 Base Model	Wheel Tractor	844 CID (13.8L) HD844 Allis Chalmers Diesel	25
TD30 Base Model	Fork Lift	153 CID (2.5L) 4BD153 Buda Diesel	7	W25 Base Model	Power Unit	201 CID (3.3L) G201 Allis Chalmers	11
TG24 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	W25 Base Model	Power Unit	226 CID (3.7L) G226 Allis Chalmers	12
TG30 Base Model	Fork Lift	153 CID (2.5L) 4B153 Buda	7	W201 Base Model	Power Unit	201 CID (3.3L) G201 Allis Chalmers	11
TL6 Base Model	Wheel Tractor	116 CID (1.9L) BE Allis Chalmers	5	W226 Base Model	Power Unit	226 CID (3.7L) G226 Allis Chalmers	12
TL10 Base Model	Loader	226 CID (3.7L) G226 Allis Chalmers	12	W Base Model	Wheel Tractor	201 CID (3.3L) G201 Allis Chalmers	11
TL10 Base Model	Wheel Tractor	230 CID (3.8L) 6D230 Buda Diesel	15	W Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12
TL10 Base Model	Loader	262 CID (4.3L) DA262 Buda Diesel	15	W Base Model	Grader	301 CID (4.9L) 649 Allis Chalmers Diesel	17
TL11 Base Model	Loader	226 CID (3.7L) G226 Allis Chalmers	12	WC Base Model	Wheel Tractor	201 CID (3.3L) G201 Allis Chalmers	11
TL11 Base Model	Wheel Tractor	230 CID (3.8L) 6D230 Buda Diesel	15	WD45 Base Model	Wheel Tractor	201 CID (3.3L) G201 Allis Chalmers	11
TL11 Base Model	Loader	262 CID (4.3L) DA262 Buda Diesel	15	WD45 Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12
TL12 Base Model	Loader	226 CID (3.7L) G226 Allis Chalmers	12	WD45 Base Model	Wheel Tractor	262 CID (4.3L) DA262 Buda Diesel	15
TL12 Base Model	Loader	262 CID (4.3L) DA262 Buda Diesel	15	WD45D Base Model	Wheel Tractor	230 CID (3.8L) DA230 Buda Diesel	15
TL14 Base Model	Wheel Tractor	230 CID (3.8L) 6D230 Buda Diesel	15	WD Base Model	Wheel Tractor	201 CID (3.3L) G201 Allis Chalmers	11



ALLIS-CHALMERS (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
WD Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12	WP Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12
WF Base Model	Wheel Tractor	201 CID (3.3L) G201 Allis Chalmers	11	WSP Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12
WF Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12	WT Base Model	Wheel Tractor	226 CID (3.7L) G226 Allis Chalmers	12

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
52813	5.000in./127mm	2	4500141	4.125in./104.8mm	7	5150093	5.000in./127mm	1	31337140	5.000in./127mm	2
207459	3.500in./88.9mm	5	4500141	4.375in./111.1mm	8	5150093	5.000in./127mm	3	31337220	5.000in./127mm	2
4020888	4.250in./108mm	9	4500141	4.125in./104.8mm	15	5150093	5.000in./127mm	13	B-5708	4.125in./104.8mm	7
4020888	4.250in./108mm	10	4500141	4.375in./111.1mm	15	5150093	5.000in./127mm	20	U3988	4.500in./114.3mm	12
4020888	4.250in./108mm	17	5144469	5.000in./127mm	1	5154265	5.000in./127mm	1	U-3190	4.000in./101.6mm	11
4020888	4.250in./108mm	18	5144469	5.000in./127mm	3	5154265	5.000in./127mm	3	U-3988	4.500in./114.3mm	12
4349339	5.563in./141.3mm	14	5144469	5.000in./127mm	13	5154265	5.000in./127mm	13			
4349339	5.563in./141.3mm	22	5144469	5.000in./127mm	20	5154265	5.000in./127mm	20			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
2-71	5.000in./127mm	1	4020344	4.250in./108mm	18	4503200	4.125in./104.8mm	7	B-2097W	4.375in./111.1mm	8
3-71	5.000in./127mm	3	4020345	4.250in./108mm	17	4503200	4.375in./111.1mm	8	B-2106	4.125in./104.8mm	15
4-71	5.000in./127mm	13	4020345	4.250in./108mm	18	4505959	4.125in./104.8mm	15	B-2106	4.375in./111.1mm	15
5X-403	4.500in./114.3mm	19	4022256	4.250in./108mm	17	4505959	4.375in./111.1mm	15	B-2107	4.125in./104.8mm	15
6-71	5.000in./127mm	20	4022256	4.250in./108mm	18	4505959	4.500in./114.3mm	19	B-2107	4.375in./111.1mm	15
05844	6.500in./165.1mm	24	4022301	4.250in./108mm	17	4507700	4.125in./104.8mm	15	B-3200	4.125in./104.8mm	7
05844	6.500in./165.1mm	25	4022301	4.250in./108mm	18	4507700	4.375in./111.1mm	15	B-3200	4.375in./111.1mm	8
46839E	4.250in./108mm	16	4022490	4.250in./108mm	17	4512316	4.125in./104.8mm	7	B-5960	4.375in./111.1mm	8
49525B	4.250in./108mm	16	4022490	4.250in./108mm	18	4512978	4.125in./104.8mm	7	DE-34286	6.500in./165.1mm	24
49528E	4.250in./108mm	16	4303200	4.125in./104.8mm	7	4514465	4.125in./104.8mm	15	DE-34286	6.500in./165.1mm	25
206638	3.500in./88.9mm	5	4347501	5.563in./141.3mm	22	4514465	4.375in./111.1mm	15	DE-61324	6.500in./165.1mm	24
207145	3.500in./88.9mm	5	4348399	5.563in./141.3mm	14	4514467	4.125in./104.8mm	15	DE-61324	6.500in./165.1mm	25
213352	3.500in./88.9mm	5	4348425	5.563in./141.3mm	14	4514467	4.375in./111.1mm	15	DE-63043	6.500in./165.1mm	24
213353	4.500in./114.3mm	12	4348525	5.563in./141.3mm	14	5132942	5.000in./127mm	1	DE-63043	6.500in./165.1mm	25
220825E	4.250in./108mm	16	4361324	6.500in./165.1mm	24	5154184	5.000in./127mm	1	DE-63908	6.500in./165.1mm	24
226535	4.500in./114.3mm	12	4361324	6.500in./165.1mm	25	5154256	5.000in./127mm	20	DE-63908	6.500in./165.1mm	25
227550	3.875in./98.4mm	6	4371087	6.500in./165.1mm	24	5154701	5.000in./127mm	13	DE-64786	6.500in./165.1mm	24
229022	4.500in./114.3mm	12	4371087	6.500in./165.1mm	25	5154926	5.000in./127mm	3	DE-64786	6.500in./165.1mm	25
250026F	4.500in./114.3mm	19	4371093	6.500in./165.1mm	24	5154929	5.000in./127mm	3	DE-65968	6.500in./165.1mm	24
256025E	4.500in./114.3mm	19	4371093	6.500in./165.1mm	25	5155255	5.000in./127mm	20	DE-65968	6.500in./165.1mm	25
261025E	4.500in./114.3mm	19	4371094	6.500in./165.1mm	24	5160034	5.000in./127mm	20	DE-66233	6.500in./165.1mm	24
285026E	4.500in./114.3mm	19	4371094	6.500in./165.1mm	25	5173988	5.000in./127mm	20	DE-66233	6.500in./165.1mm	25
285360E	4.500in./114.3mm	19	4371097	6.500in./165.1mm	24	5179067	5.000in./127mm	20	U-3086	4.000in./101.6mm	11
4008148	4.250in./108mm	17	4371097	6.500in./165.1mm	25	5182940	5.000in./127mm	20	U-3186	4.000in./101.6mm	11
4008148	4.250in./108mm	18	4502106	4.125in./104.8mm	15	5182942	5.000in./127mm	13	U-3194	4.000in./101.6mm	11
4020230	4.250in./108mm	9	4502106	4.375in./111.1mm	15	5184214	5.000in./127mm	3	U-3967	5.000in./127mm	13
4020230	4.250in./108mm	10	4502107	4.125in./104.8mm	15	5773990	5.000in./127mm	3			
4020344	4.250in./108mm	17	4502107	4.375in./111.1mm	15	B-2097W	4.125in./104.8mm	7			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
2 CYL								
1	142 CID (2.3L) 2-71 Detroit Diesel Supercharged Diesel 2 Cyl					4.250in./108mm x 5.000in./127mm		1
Rod Bearing(2)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800
Main Bearing(3)	TM-112	MB-1276P	STD,10,20,30,40	3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930
Thrust Washer Set		TW-411S MB-2524W	STD	3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MB-1276P (3)								
Cam Bearing Set 1-2-3-4-5	C-1	SH-527S SH-527	STD	2.0605/2.0610	0.0040/0.0075	0.0925	2.2500/2.2510	1.5500
NOTE: From Engine Serial Number 2A-37623, Contains 5 Bearings, 3 used on the Camshaft and 2 used on the Balance Shaft								
Piston Pin Bushing(4)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								



ALLIS-CHALMERS (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
2 CYL (Cont.)									
1 (Cont.)	142 CID (2.3L) 2-71 Detroit Diesel Supercharged Diesel 2 Cyl			4.250in./108mm x 5.000in./127mm					1 (Cont.)
Piston Pin Bushing(2)		223-3548	STD			0.0880		3.2350	
NOTE: Crosshead Piston, 1 Per Rod									
Rod Forging	5144469, 5150093, 5154265								
C/S Forging	2-71, 5132942, 5154184								
Connecting Rod	60 To 70 Lbs.Ft. (Lubrite Nuts)								
Connecting Rod	65 To 75 Lbs.Ft. (Castellated Nuts)								
Main Bearing	190 To 200 Lbs.Ft.								
3 CYL									
2	152 CID (2.5L) AD3-152 Perkins Diesel 3 Cyl			3.600in./91.4mm x 5.000in./127mm					2
Rod Bearing(3)	AL-3	CB-560AL	STD,10,20,30,40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900	
Main Bearing Set	AL-3	MS-772AL	STD,10,20,30						
1		MB-2186AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.3050	
2-3		MB-2187AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.0000	
4		MB-2302AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.6050	
NOTE: Use With Part Number TW-119S,TW-128S,TW-130S									
Thrust Washer Set		TW-119S	STD						
		MB-2188W(L)		3.0450/3.0550			3.5520/3.5620	0.1230	
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230	
NOTE: From Engine Serial Number 1400250,Thru Eng Serial Number 1412719, Use With Part Number MS-772AL									
Thrust Washer Set		TW-130S	STD						
		MB-2292W(L)		3.0450/3.0550			3.5520/3.5620	0.1230	
		MB-2292W(U)		3.0450/3.0550			3.5520/3.5620	0.1230	
NOTE: From Eng Serial Number 1412720, Use With Part Number MS-772AL									
Piston Pin Bushing(3)	C-1	223-3594	STD			0.8500	1.3757/1.3762	1.0630	
NOTE: Requires Boring									
Rod Forging	52813, 31337140, 31337220								
Connecting Rod	70 To 80 Lbs.Ft.								
Main Bearing	110 To 120 Lbs.Ft.								
3	213 CID (3.5L) 3-71 Detroit Diesel Supercharged Diesel 3 Cyl			4.250in./108mm x 5.000in./127mm					3
Rod Bearing(3)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800	
Main Bearing(4)	TM-112	MB-1276P	STD,10,20,30,40	3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930	
Thrust Washer Set		TW-411S	STD						
		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220	
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MB-1276P (4)									
Cam Bearing Set	C-1	SH-476RS	STD,20						
		SH-476R		1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720	
NOTE: From Engine Serial Number 3A-27384, Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing									
Cam Bearing(2)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230	
NOTE: Contains Steel Bushing In Center Hole									
Cam Bearing(2)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230	
NOTE: Steel Bushing In Center Hole Not Included									
Cam Thrust Washer Set		SH-477WS	STD						
		SH-477W		1.6910			2.1563	0.1220	
NOTE: From Engine Serial Number 3A-27384, Contains 4 Pieces									
Piston Pin Bushing(6)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175	
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring									
Piston Pin Bushing(3)		223-3548	STD			0.0880		3.2350	
NOTE: Crosshead Piston, 1 Per Rod									
Rod Forging	5144469, 5150093, 5154265								
C/S Forging	3-71, 5154926, 5154929, 5184214, 5773990								



ALLIS-CHALMERS (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
3 CYL (Cont.)									
3 (Cont.)	213 CID (3.5L) 3-71 Detroit Diesel Supercharged Diesel 3 Cyl				4.250in./108mm x 5.000in./127mm				3 (Cont.)
Connecting Rod	60 To 70 Lbs.Ft.								
Main Bearing	120 To 140 Lbs.Ft. (Nuts)								
Main Bearing	180 To 190 Lbs.Ft. (Bolts)								
4 CYL									
4	108 CID (1.8L) VH4D Wisconsin V4 Cyl				3.250in./82.6mm x 3.250in./82.6mm				4
Rod Bearing(4)	B-2	CB-979M	STD,10,20	1.8750/1.8760	0.0014/0.0035	0.0613	1.9995/2.0000	0.8640	
Piston Pin Bushing(4)	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100	
NOTE: Requires Light Reaming									
Connecting Rod	24 Lbs.Ft.								
5	116 CID (1.9L) BE Allis Chalmers 4 Cyl 125 CID (2.0L) B125,CE Allis Chalmers 4 Cyl				3.250in./82.6mm x 3.500in./88.9mm 3.375in./85.7mm x 3.500in./88.9mm				5
Rod Bearing(4)	TM-77	CB-179P	STD,2,10,20,30	1.9365/1.9375	0.0008/0.0028	0.0618	2.0615/2.0620	1.2290	
Main Bearing Set 1	TM-77	MS-211P	STD,10,20,30	2.2490/2.2500	0.0013/0.0038	0.0850	2.4210/2.4220	1.6250	
2-3		MB-891P(F) MB-892P		2.2490/2.2500	0.0013/0.0038	0.0850	2.4210/2.4220	1.5050	
NOTE: Contains Half Flanged Bearing; Use in Lower Number 1 Position									
Cam Bearing Set 1-2-3	B-1	SH-384S SH-384	STD	1.7490/1.7500	0.0020/0.0040	0.0642	1.8800/1.8810	1.1300	
6	138 CID (2.3L) G138 Allis Chalmers 4 Cyl 138 CID (2.3L) G138 Allis Chalmers CNG 4 Cyl 139 CID (2.3L) 4G139 Allis Chalmers 4 Cyl 149 CID (2.4L) G149 Allis Chalmers 4 Cyl 160 CID (2.6L) G160 Allis Chalmers 4 Cyl				3.375in./85.7mm x 3.875in./98.4mm 3.375in./85.7mm x 3.875in./98.4mm 3.375in./85.7mm x 3.875in./98.4mm 3.500in./88.9mm x 3.875in./98.4mm 3.625in./92.1mm x 3.875in./98.4mm				6
Rod Bearing(4)	TM-112	CB-781AL	STD,10,20,30	1.9365/1.9375	0.0010/0.0035	0.0617	2.0615/2.0620	1.2290	
Main Bearing Set 1-2	TM-112	MS-902AL	STD,10,20	2.7480/2.7490	0.0013/0.0043	0.0955	2.9410/2.9420	1.2550	
3		MB-2497AL MB-2498AL(F)		2.7480/2.7490	0.0013/0.0043	0.0955	2.9410/2.9420	1.5000	
C/S Forging 227550									
Connecting Rod	35 To 40 Lbs.Ft.								
Main Bearing	90 To 95 Lbs.Ft.								
7	153 CID (2.5L) 4B153,4G153,G153 Buda 4 Cyl 153 CID (2.5L) 4BD153,4D153,4DA153 Buda Diesel 4 Cyl 153 CID (2.5L) D153,DA153 Allis Chalmers Diesel 4 Cyl 182 CID (3.0L) 4B182 Buda 4 Cyl				3.438in./87.33mm x 4.125in./104.8mm 3.438in./87.33mm x 4.125in./104.8mm 3.438in./87.33mm x 4.125in./104.8mm 3.750in./95.3mm x 4.125in./104.8mm				7
Rod Bearing(4)	TM-112	CB-458P	STD,2,10,20,30,40	1.9975/1.9985	0.0016/0.0041	0.0802	2.1600/2.1605	1.2500	
Main Bearing Set 1	TM-112	MS-226P	STD,10,20,30	2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.2550	
2		MB-1669P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.8720	
3		MB-1671P(F) MB-1681P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.7550	
Cam Bearing Set 1	B-1	SH-386S	STD	1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	1.1300	
2-3		SH-386		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	0.8800	
4		SH-387 SH-388		1.2480/1.2490	0.0020/0.0050	0.0615	1.3740/1.3750	1.0100	
Piston Pin Bushing(4)	C-1	223-3507	STD			0.0730	1.1270/1.1275	1.2560	
NOTE: Requires Boring									
Rod Forging	B-5708, 4500141								
C/S Forging	B-3200, 4303200, 4503200, 4512316, 4512978, B-2097W								
Connecting Rod	50 To 60 Lbs.Ft.								
Main Bearing	125 To 135 Lbs.Ft.								
8	175 CID (2.9L) 4D175,4DA175 Buda Diesel 4 Cyl				3.563in./90.5mm x 4.375in./111.1mm				8
Rod Bearing(4)	TM-112	CB-458P	STD,2,10,20,30,40	1.9975/1.9985	0.0016/0.0041	0.0802	2.1600/2.1605	1.2500	



ALLIS-CHALMERS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
8 (Cont.)	175 CID (2.9L) 4D175,4DA175 Buda Diesel 4 Cyl				3.563in./90.5mm x 4.375in./111.1mm			8 (Cont.)
Main Bearing Set	TM-112	MS-399P	STD,10,20,30					
1		MB-1669P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.2550
2-4		MB-1670P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.1300
3		MB-1671P(F)		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.8720
5		MB-1681P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.7550
Cam Bearing Set	B-1	SH-386S	STD					
1		SH-386		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	1.1300
2-3		SH-387		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	0.8800
4		SH-388		1.2480/1.2490	0.0020/0.0050	0.0615	1.3740/1.3750	1.0100
Piston Pin Bushing(4)	C-1	223-3507	STD			0.0730	1.1270/1.1275	1.2560
NOTE: Requires Boring								
Rod Forging	4500141							
C/S Forging	B-3200, B-5960, 4503200, B-2097W							
Connecting Rod	50 To 60 Lbs.Ft.							
Main Bearing	125 To 135 Lbs.Ft.							
9	200 CID (3.3L) 433,D2200 Allis Chalmers Diesel 4 Cyl				3.875in./98.4mm x 4.250in./108mm			9
	200 CID (3.3L) G2200 Allis Chalmers 4 Cyl				3.875in./98.4mm x 4.250in./108mm			
Rod Bearing(4)	TM-112	CB-1355P	STD,10,20,30,40	2.3725/2.3735	0.0014/0.0039	0.0938	2.5620/2.5625	1.1230
Main Bearing Set	TM-112	MS-1622P	STD,10,20					
1-2-3		MB-2972P		2.7465/2.7480	0.0016/0.0048	0.0936	2.9368/2.9375	1.2440
4		MB-2973P(F)		2.7465/2.7480	0.0016/0.0048	0.0936	2.9368/2.9375	2.0570
5		MB-2971P		2.7465/2.7480	0.0016/0.0048	0.0936	2.9368/2.9375	1.4800
NOTE: Engines Requiring Bearings With Round Oil Hole								
Cam Bearing Set	B-1	SH-719S	STD					
1		SH-628		2.1300/2.1310	0.0020/0.0060	0.0630	2.2590/2.2600	1.3850
2-3		SH-629		2.1300/2.1310	0.0020/0.0060	0.0630	2.2590/2.2600	1.0000
Piston Pin Bushing(4)	C-1	223-3558	STD			0.0750	1.3750/1.3755	1.4110
NOTE: Requires Boring								
Rod Forging	4020888							
C/S Forging	4020230							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	130 To 140 Lbs.Ft.							
10	200 CID (3.3L) 433T Allis Chalmers Turbocharged Diesel 4 Cyl				3.875in./98.4mm x 4.250in./108mm			10
Rod Bearing(4)	TM-112	CB-1355P	STD,10,20,30,40	2.3725/2.3735	0.0014/0.0039	0.0938	2.5620/2.5625	1.1230
Main Bearing Set	TM-112	MS-1620P	STD,10,20					
1-2-3		MB-2969P		2.7465/2.7480	0.0016/0.0048	0.0936	2.9368/2.9375	1.2440
4		MB-2970P(F)		2.7465/2.7480	0.0016/0.0048	0.0936	2.9368/2.9375	2.0570
5		MB-2971P		2.7465/2.7480	0.0016/0.0048	0.0936	2.9368/2.9375	1.4800
NOTE: Engines Requiring Bearings With Oil Slot								
Cam Bearing Set	B-1	SH-719S	STD					
1		SH-628		2.1300/2.1310	0.0020/0.0060	0.0630	2.2590/2.2600	1.3850
2-3		SH-629		2.1300/2.1310	0.0020/0.0060	0.0630	2.2590/2.2600	1.0000
Piston Pin Bushing(4)	C-1	223-3558	STD			0.0750	1.3750/1.3755	1.4110
NOTE: Requires Boring								
Rod Forging	4020888							
C/S Forging	4020230							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	130 To 140 Lbs.Ft.							
11	201 CID (3.3L) G201 Allis Chalmers 4 Cyl				4.000in./101.6mm x 4.000in./101.6mm			11
	201 CID (3.3L) G201 Allis Chalmers Dist 4 Cyl				4.000in./101.6mm x 4.000in./101.6mm			
Rod Bearing(4)	TM-77	CB-526P	STD,2,10,20,30	2.3745/2.3750	0.0014/0.0035	0.0618	2.4995/2.5005	1.4350
Main Bearing Set	TM-112	MS-878AL	STD,10,20					
1-3		MB-2458AL		2.9990/3.0000	0.0013/0.0043	0.0950	3.1910/3.1920	1.2550
2		MB-2459AL(F)		2.9990/3.0000	0.0013/0.0043	0.0950	3.1910/3.1920	1.4960
Cam Bearing Set	B-1	SH-385S	STD					
1-2-3		SH-385		1.8740/1.8750	0.0020/0.0040	0.0642	2.0050/2.0060	1.8750



ALLIS-CHALMERS (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
11 (Cont.)	201 CID (3.3L) G201 Allis Chalmers 4 Cyl				4.000in./101.6mm x 4.000in./101.6mm				11 (Cont.)
	201 CID (3.3L) G201 Allis Chalmers Dist 4 Cyl				4.000in./101.6mm x 4.000in./101.6mm				
Rod Forging	U-3190								
C/S Forging	U-3086, U-3186, U-3194								
Connecting Rod	45 To 55 Lbs.Ft.								
Main Bearing	130 To 140 Lbs.Ft.								
12	226 CID (3.7L) G226 Allis Chalmers 4 Cyl				4.000in./101.6mm x 4.500in./114.3mm				12
	226 CID (3.7L) G226 Allis Chalmers LPG 4 Cyl				4.000in./101.6mm x 4.500in./114.3mm				
Rod Bearing(4)	TM-77	CB-526P	STD,2,10,20,30	2.3745/2.3750	0.0014/0.0035	0.0618	2.4995/2.5005	1.4350	
Con. Rod Bearing Shim Set		SM-118S	STD	0.0080					
8		SM-129							
Main Bearing Set	TM-77	MS-209P	STD,10,20,30	2.4355/2.4365 0.0014/0.0040 0.0932 2.6240/2.6250 1.6250					
1		MB-366P(F)							
2-3		MB-367P		2.4770/2.4780 0.0018/0.0043 0.0723 2.6240/2.6250 1.7550					
NOTE: Except 3.000" Main Bearing Journal									
Main Bearing Set	TM-112	MS-878AL	STD,10,20	2.9990/3.0000 0.0013/0.0043 0.0950 3.1910/3.1920 1.2550					
1-3		MB-2458AL							
2		MB-2459AL(F)		2.9990/3.0000 0.0013/0.0043 0.0950 3.1910/3.1920 1.4960					
NOTE: 3.000" Diameter Main Bearing Journals									
Main Bearing Shim Set		SM-119S	STD	0.0080					
2		SM-130							
4		SM-131		0.0080					
NOTE: Except 3.000" Main Bearing Journal									
Cam Bearing Set	B-1	SH-385S	STD	1.8740/1.8750 0.0020/0.0040 0.0642 2.0050/2.0060 1.8750					
1-2-3		SH-385							
Rod Forging	U3988, U-3988								
C/S Forging	213353, 226535, 229022								
Connecting Rod	45 To 55 Lbs.Ft.								
Main Bearing	130 To 140 Lbs.Ft.								
13	284 CID (4.7L) 4-71 Detroit Diesel Supercharged Diesel 4 Cyl				4.250in./108mm x 5.000in./127mm				13
Rod Bearing(4)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800	
Main Bearing(5)	TM-112	MB-1276P	STD,10,20,30,40	3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930	
Thrust Washer Set		TW-411S	STD	3.8430/3.8435 4.6250/4.6350 0.1220					
		MB-2524W							
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MB-1276P (5)									
Cam Bearing Set	C-1	SH-476RS	STD,20	1.4970/1.4975 0.0025/0.0040 0.1020 1.6850/1.6860 1.0720					
		SH-476R							
NOTE: From Engine Serial Number 4A-59280, Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing									
Cam Bearing(3)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230	
NOTE: Contains Steel Bushing In Center Hole									
Cam Bearing(3)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230	
NOTE: Steel Bushing In Center Hole Not Included									
Cam Thrust Washer Set		SH-477WS	STD	1.6910 2.1563 0.1220					
		SH-477W							
NOTE: From Engine Serial Number 4A-59280, Contains 4 Pieces									
Piston Pin Bushing(8)	C-1	223-3462	STD	0.1330 1.7560/1.7595 0.8175					
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring									
Piston Pin Bushing(4)		223-3548	STD	0.0880 3.2350					
NOTE: Crosshead Piston, 1 Per Rod									
Rod Forging	5144469, 5150093, 5154265								
C/S Forging	4-71, U-3967, 5154701, 5182942								
Connecting Rod	60 To 70 Lbs.Ft.								
Main Bearing	120 To 140 Lbs.Ft. (Nuts)								
Main Bearing	180 To 190 Lbs.Ft. (Bolts)								



ALLIS-CHALMERS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
14	344 CID (5.6L) 6000 MKII,6000,7000 MKII,7000 Allis Chalmers Diesel 4 Cyl				4.438in./112.7mm x 5.563in./141.3mm			14
	344 CID (5.6L) HD344 Buda Diesel 4 Cyl				4.438in./112.7mm x 5.563in./141.3mm			
Rod Bearing(4)	TM-112	CB-700P	STD,10,20,30,40	2.7715/2.7725	0.0025/0.0050	0.1253	3.0250/3.0255	1.3700
NOTE: Engines Requiring Bearings With Round Oil Hole								
Rod Bearing(4)	TM-112	CB-1369P	STD,10	2.7715/2.7725	0.0020/0.0050	0.1253	3.0250/3.0255	1.3700
NOTE: Engines Requiring Bearings With Offset Oil Slot								
Main Bearing Set	TM-112	MS-1632P	STD,10,20					
1-2-4		MB-2967P		3.4980/3.4990	0.0023/0.0050	0.1554	3.8118/3.8125	1.3570
3		MB-2096W		3.5630/3.5730			4.6875	0.2020
5		MB-2300P		3.4980/3.4990	0.0023/0.0050	0.1554	3.8118/3.8125	2.0000
NOTE: Engines Requiring Bearings With Oil Slot, Contains 4 Piece Thrust Washer Set, Use In Number 3 Position,Contains Straight Shell Bearings								
Rod Forging	4349339							
C/S Forging	4348399, 4348425, 4348525							
Connecting Rod	120 To 130 Lbs.Ft.							
Main Bearing	160 To 170 Lbs.Ft. (5/8" Bolts)							
Main Bearing	210 To 230 Lbs.Ft. (3/4" Bolts)							
6 CYL								
15	230 CID (3.8L) 6B230,G230 Buda 6 Cyl				3.438in./87.33mm x 4.125in./104.8mm			15
	230 CID (3.8L) 6B230 Buda LPG 6 Cyl				3.438in./87.33mm x 4.125in./104.8mm			
	230 CID (3.8L) 6BD230,6D230,6DA230,D230,DA230 Buda Diesel 6 Cyl				3.438in./87.33mm x 4.125in./104.8mm			
	262 CID (4.3L) 6B262 Buda Flex 6 Cyl				3.562in./90.5mm x 4.375in./111.1mm			
	262 CID (4.3L) 6D262,D262,DA262 Buda Diesel 6 Cyl				3.562in./90.5mm x 4.375in./111.1mm			
	262 CID (4.3L) 6D262T Buda Turbocharged Diesel 6 Cyl				3.562in./90.5mm x 4.375in./111.1mm			
	262 CID (4.3L) 6G262 Buda 6 Cyl				3.562in./90.5mm x 4.375in./111.1mm			
	262 CID (4.3L) G262 Allis Chalmers 6 Cyl				3.562in./90.5mm x 4.375in./111.1mm			
	273 CID (4.5L) 6D273 Buda Diesel 6 Cyl				3.750in./95.3mm x 4.125in./104.8mm			
	273 CID (4.5L) G273 Allis Chalmers 6 Cyl				3.750in./95.3mm x 4.125in./104.8mm			
Rod Bearing(6)	TM-112	CB-458P	STD,2,10,20,30,40	1.9975/1.9985	0.0016/0.0041	0.0802	2.1600/2.1605	1.2500
Main Bearing Set	TM-112	MS-227P	STD,10,20,30					
1		MB-1669P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.2550
2-3-5-6		MB-1670P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.1300
4		MB-1671P(F)		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.8720
7		MB-1681P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.7550
Cam Bearing Set	B-1	SH-386S	STD					
1		SH-386		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	1.1300
2-3		SH-387		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	0.8800
4		SH-388		1.2480/1.2490	0.0020/0.0050	0.0615	1.3740/1.3750	1.0100
Piston Pin Bushing(6)	C-1	223-3507	STD			0.0730	1.1270/1.1275	1.2560
NOTE: Requires Boring								
Rod Forging	4500141							
C/S Forging	B-2106, B-2107, 4502106, 4502107, 4505959, 4507700, 4514465, 4514467							
Connecting Rod	50 To 60 Lbs.Ft.							
Main Bearing	125 To 135 Lbs.Ft.							
16	237 CID (3.9L) QXLD Hercules 6 Cyl				3.438in./87.33mm x 4.250in./108mm			16
Rod Bearing(6)	TM-112	CB-341P	STD,10,20	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.0280
Cam Bearing Set	B-1	SH-322S	STD					
1-4		SH-322		1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	1.0340
2-3		SH-323		1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	0.5650
C/S Forging				46839E, 49525B, 49528E, 220825E				
Connecting Rod	53 To 56 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
17	265 CID (4.3L) G2500 Allis Chalmers 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm			17
	301 CID (4.9L) 2900,649,D2800,D2900 Allis Chalmers Diesel 6 Cyl				3.875in./98.4mm x 4.250in./108mm			
	301 CID (4.9L) G2800,G2900 Allis Chalmers 6 Cyl				3.875in./98.4mm x 4.250in./108mm			
Rod Bearing(6)	TM-112	CB-1355P	STD,10,20,30,40	2.3725/2.3735	0.0014/0.0039	0.0938	2.5620/2.5625	1.1230



ALLIS-CHALMERS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
17 (Cont.)	265 CID (4.3L) G2500 Allis Chalmers 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm			17 (Cont.)
	301 CID (4.9L) 2900,649,D2800,D2900 Allis Chalmers Diesel 6 Cyl				3.875in./98.4mm x 4.250in./108mm			
	301 CID (4.9L) G2800,G2900 Allis Chalmers 6 Cyl				3.875in./98.4mm x 4.250in./108mm			
Main Bearing Set 1-2-3-5-6 4 7	TM-112	MS-1623P MB-2972P MB-2973P(F) MB-2971P	STD,10,20	2.7465/2.7480 2.7465/2.7480 2.7465/2.7480	0.0016/0.0048 0.0016/0.0048 0.0016/0.0048	0.0936 0.0936 0.0936	2.9368/2.9375 2.9368/2.9375 2.9368/2.9375	1.2440 2.0570 1.4800
NOTE: Engines Requiring Bearings With Round Oil Hole								
Cam Bearing Set 1 2-3-4	B-1	SH-629S SH-628 SH-629	STD	2.1300/2.1310 2.1300/2.1310	0.0020/0.0060 0.0020/0.0060	0.0630 0.0630	2.2590/2.2600 2.2590/2.2600	1.3850 1.0000
Piston Pin Bushing(6)	C-1	223-3558	STD			0.0750	1.3750/1.3755	1.4110
NOTE: Requires Boring								
Rod Forging	4020888							
C/S Forging	4008148, 4020344, 4020345, 4022256, 4022301, 4022490							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	130 To 140 Lbs.Ft.							
18	301 CID (4.9L) 649T,D2900 Allis Chalmers Turbocharged Diesel 6 Cyl				3.875in./98.4mm x 4.250in./108mm			18
Rod Bearing(6)	TM-112	CB-1355P	STD,10,20,30,40	2.3725/2.3735	0.0014/0.0039	0.0938	2.5620/2.5625	1.1230
Main Bearing Set 1-2-3-5-6 4 7	TM-112	MS-1621P MB-2969P MB-2970P(F) MB-2971P	STD,10,20	2.7465/2.7480 2.7465/2.7480 2.7465/2.7480	0.0016/0.0048 0.0016/0.0048 0.0016/0.0048	0.0936 0.0936 0.0936	2.9368/2.9375 2.9368/2.9375 2.9368/2.9375	1.2440 2.0570 1.4800
NOTE: Engines Requiring Bearings With Oil Slot								
Cam Bearing Set 1 2-3-4	B-1	SH-629S SH-628 SH-629	STD	2.1300/2.1310 2.1300/2.1310	0.0020/0.0060 0.0020/0.0060	0.0630 0.0630	2.2590/2.2600 2.2590/2.2600	1.3850 1.0000
Piston Pin Bushing(6)	C-1	223-3558	STD			0.0750	1.3750/1.3755	1.4110
NOTE: Requires Boring								
Rod Forging	4020888							
C/S Forging	4008148, 4020344, 4020345, 4022256, 4022301, 4022490							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	130 To 140 Lbs.Ft.							
19	339 CID (5.6L) GO339 Hercules 6 Cyl				4.000in./101.6mm x 4.500in./114.3mm			19
Rod Bearing(6)	TM-112	CB-340P	STD,10,20,30,40	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640
NOTE: Engines with 2.00" Crankpins and 2.500" Main Journals, Contains 2 Shims								
Rod Bearing(6)	TM-112	CB-704P	STD,10,20,30	2.3730/2.3740	0.0013/0.0043	0.0756	2.5260/2.5270	1.1640
NOTE: Engines with 2.375" Crankpins and 2.875" Main Journals								
Main Bearing Set 1-2-3-5-6-7 4	TM-112	MS-650P MB-2185P MB-2092P(F)	STD,10	2.8734/2.8744 2.8734/2.8744	0.0012/0.0037 0.0018/0.0043	0.0956 0.0953	3.0665/3.0670 3.0665/3.0670	1.0360 2.1190
NOTE: Engines with 2.875" Main Journals, Upper And Lower Bearing Halves Have Locating Lug In The Same Position								
Cam Bearing Set 1-4 2-3	B-1	SH-562S SH-561 SH-198	STD	2.0530/2.0540 2.0530/2.0540	0.0005/0.0040 0.0005/0.0040	0.0660 0.0660	2.1870/2.1880 2.1870/2.1880	1.0720 0.8230
C/S Forging	5X-403, 250026F, 256025E, 261025E, 285026E, 285360E, 4505959							
Connecting Rod	56 Lbs.Ft.							
Main Bearing	70 To 80 Lbs.Ft.							
20	426 CID (7.0L) 6-71 Detroit Diesel Supercharged Diesel 6 Cyl				4.250in./108mm x 5.000in./127mm			20
Rod Bearing(6)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800
Main Bearing Set 1-2-3-4-5-6-7 7	TM-112	MS-271P MB-1276P MB-2524W	STD,10,20,30,40	3.4990/3.5000 3.8430/3.8435	0.0017/0.0047	0.1553	3.8120/3.8130 4.6250/4.6350	1.1930 0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position								
Thrust Washer Set		TW-411S MB-2524W	STD	3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 7, Use With Part Number MS-271P								



ALLIS-CHALMERS (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
20 (Cont.)	426 CID (7.0L) 6-71 Detroit Diesel Supercharged Diesel 6 Cyl				4.250in./108mm x 5.000in./127mm				20 (Cont.)
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720	
NOTE: From Engine Serial Number 6A-57745, Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing									
Cam Bearing(5)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230	
NOTE: Contains Steel Bushing In Center Hole									
Cam Bearing(5)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230	
NOTE: Steel Bushing In Center Hole Not Included									
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220	
NOTE: From Engine Serial Number 6A-57745, Contains 4 Pieces									
Piston Pin Bushing(12)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175	
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring									
Piston Pin Bushing(6)		223-3548	STD			0.0880		3.2350	
NOTE: Crosshead Piston, 1 Per Rod									
Rod Forging	5144469, 5150093, 5154265								
C/S Forging	6-71, 5154256, 5155255, 5160034, 5173988, 5179067, 5182940								
Connecting Rod	60 To 70 Lbs.Ft.								
Main Bearing	120 To 140 Lbs.Ft. (Nuts)								
Main Bearing	180 To 190 Lbs.Ft. (Bolts)								
21	426 CID (7.0L) 670 MKII,D3400 MKII,D3400,D3500 Allis Chalmers Diesel 6 Cyl				4.250in./108mm x 5.000in./127mm				21
	426 CID (7.0L) 670I MKII Allis Chalmers Turbocharged/Intercooled Diesel 6 Cyl				4.250in./108mm x 5.000in./127mm				
	426 CID (7.0L) 670T MKII,D3500 MKII,D3700 MKII,D3750 MKII Allis Chalmers Turbocharged Diesel 6 Cyl				4.250in./108mm x 5.000in./127mm				
Rod Bearing(6)	TM-112	CB-1354P	STD,10,20,30,40	2.7475/2.7485	0.0015/0.0040	0.1103	2.9700/2.9705	1.2050	
Main Bearing Set	TM-112	MS-2002P	STD,10,20,30						
1-2-3-5-6		MB-2688P		3.2465/3.2480	0.0022/0.0054	0.1554	3.5607/3.5614	1.2520	
4		MB-2689W		3.3120/3.3220			4.2500	0.1710	
4-7		MB-2689P		3.2465/3.2480	0.0022/0.0054	0.1554	3.5607/3.5614	1.5020	
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 4 Position									
Thrust Washer Set		TW-304S MB-2689W	STD	3.3120/3.3220			4.2500	0.1710	
NOTE: Contains 4 Pieces, Position Number 4									
Cam Bearing Set	B-1	SH-628S	STD	2.1300/2.1310	0.0020/0.0060	0.0630	2.2590/2.2600	1.3850	
1		SH-628		2.1300/2.1310	0.0020/0.0060	0.0630	2.2590/2.2600	1.0000	
2-3-4-5-6		SH-629							
Piston Pin Bushing(6)	B	223-3559	STD			0.0750	1.6250/1.6255	1.1500	
NOTE: Engines With 1.500" Piston Pin Diameter, Requires Boring									
Connecting Rod	65 To 70 Lbs.Ft.								
Main Bearing	170 To 190 Lbs.Ft.								
22	516 CID (8.5L) 6-85I Allis Chalmers Turbocharged/Intercooled Diesel 6 Cyl				4.438in./112.7mm x 5.563in./141.3mm				22
	516 CID (8.5L) 6D1516,ADS516,HD516 Buda Diesel 6 Cyl				4.438in./112.7mm x 5.563in./141.3mm				
	516 CID (8.5L) 685T Allis Chalmers Turbocharged Diesel 6 Cyl				4.438in./112.7mm x 5.563in./141.3mm				
	516 CID (8.5L) 10000 MKII,10000,11000 MKII,11000 Allis Chalmers Diesel 6 Cyl				4.438in./112.7mm x 5.563in./141.3mm				
Rod Bearing(6)	TM-112	CB-700P	STD,10,20,30,40	2.7715/2.7725	0.0025/0.0050	0.1253	3.0250/3.0255	1.3700	
NOTE: Engines Requiring Bearings With Round Oil Hole									
Rod Bearing(6)	TM-112	CB-1369P	STD,10	2.7715/2.7725	0.0020/0.0050	0.1253	3.0250/3.0255	1.3700	
NOTE: Engines Requiring Bearings With Offset Oil Slot									



ALLIS-CHALMERS (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
22 (Cont.)	516 CID (8.5L) 6-85I Allis Chalmers Turbocharged/Intercooled Diesel 6 Cyl				4.438in./112.7mm x 5.563in./141.3mm				22 (Cont.)
	516 CID (8.5L) 6D1516,ADS516,HD516 Buda Diesel 6 Cyl				4.438in./112.7mm x 5.563in./141.3mm				
	516 CID (8.5L) 685T Allis Chalmers Turbocharged Diesel 6 Cyl				4.438in./112.7mm x 5.563in./141.3mm				
	516 CID (8.5L) 10000 MKII,10000,11000 MKII,11000 Allis Chalmers Diesel 6 Cyl				4.438in./112.7mm x 5.563in./141.3mm				
Main Bearing Set	TM-112	MS-1619P	STD,10,20						
1-2-3-5-6		MB-2967P		3.4980/3.4990	0.0023/0.0050	0.1554	3.8118/3.8125	1.3570	
4		MB-2096W		3.5630/3.5730			4.6875	0.2020	
7		MB-2300P		3.4980/3.4990	0.0023/0.0050	0.1554	3.8118/3.8125	2.0000	
NOTE: Engines Requiring Bearings With Oil Slot, Contains 4 Piece Thrust Washer Set, Use In Number 4 Position,Contains Straight Shell Bearings									
Rod Forging	4349339								
C/S Forging	4347501								
Connecting Rod	120 To 130 Lbs.Ft.								
Main Bearing	160 To 170 Lbs.Ft. (5/8" Bolts)								
Main Bearing	210 To 230 Lbs.Ft. (3/4" Bolts)								
23	779 CID (12.8L) 19000 Allis Chalmers 6 Cyl				5.250in./133.4mm x 6.000in./152.4mm				23
	844 CID (13.8L) 6138-I Allis Chalmers Turbocharged/Intercooled Diesel 6 Cyl				5.250in./133.4mm x 6.500in./165.1mm				
	844 CID (13.8L) 6138T Allis Chalmers Turbocharged Diesel 6 Cyl				5.250in./133.4mm x 6.500in./165.1mm				
	844 CID (13.8L) 16000H,17000MKII,21000MKII,25000MKII,6138LT Allis Chalmers Diesel 6 Cyl				5.250in./133.4mm x 6.500in./165.1mm				
Rod Bearing(6)	TM-112	CB-1632P	STD,10,20,30	3.3725/3.3735	0.0026/0.0051	0.1245	3.6245/3.6250	1.5950	
Main Bearing Set	TM-112	MS-1530P	STD,10						
1-7		MB-2312P		3.9950/3.9960	0.0024/0.0051	0.1881	4.3743/4.3750	2.0050	
2-3-5-6		MB-2313P		3.9950/3.9960	0.0024/0.0051	0.1881	4.3743/4.3750	1.5050	
4		MB-2314P		3.9950/3.9960	0.0024/0.0051	0.1881	4.3743/4.3750	2.7560	
NOTE: Contains Stepped Dowel Pins,Requires Thrust Washer Set, Not Included, Use With Part Number TW-134S									
Thrust Washer Set		TW-134S	STD						
		MB-2314W		4.1770/4.1820			5.3700/5.3800	0.2280	
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1530P									
Connecting Rod	160 To 170 Lbs.Ft.								
Main Bearing	160 To 170 Lbs.Ft. (4.000" Diameter Main Bearing Journals; 5/8" Bolts)								
Main Bearing	280 To 290 Lbs.Ft. (4.000" Diameter Main Bearing Journals; 7/8" Bolts)								
24	844 CID (13.8L) 16000,21000,21000H Allis Chalmers Diesel 6 Cyl				5.250in./133.4mm x 6.500in./165.1mm				24
	844 CID (13.8L) 25000 Allis Chalmers Turbocharged Diesel 6 Cyl				5.250in./133.4mm x 6.500in./165.1mm				
Rod Bearing(6)	TM-112	CB-1632P	STD,10,20,30	3.3725/3.3735	0.0026/0.0051	0.1245	3.6245/3.6250	1.5950	
Main Bearing Set	TM-112	MS-1530P	STD,10						
1-7		MB-2312P		3.9950/3.9960	0.0024/0.0051	0.1881	4.3743/4.3750	2.0050	
2-3-5-6		MB-2313P		3.9950/3.9960	0.0024/0.0051	0.1881	4.3743/4.3750	1.5050	
4		MB-2314P		3.9950/3.9960	0.0024/0.0051	0.1881	4.3743/4.3750	2.7560	
NOTE: Contains Stepped Dowel Pins,Requires Thrust Washer Set, Not Included, Use With Part Number TW-134S									
Thrust Washer Set		TW-134S	STD						
		MB-2314W		4.1770/4.1820			5.3700/5.3800	0.2280	
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1530P									
Piston Pin Bushing(6)	C-1	223-3587	STD			0.2040	2.4365/2.4375	0.8550	
NOTE: From Chassis Serial Number 1100 To 12500,From Chassis Serial Number 4001 To 5901, Requires Boring									
C/S Forging	05844, 4361324, 4371087, 4371093, 4371094, 4371097, DE-34286, DE-61324, DE-63043, DE-63908, DE-64786, DE-65968, DE-66233								
Connecting Rod	160 To 170 Lbs.Ft.								
Main Bearing	160 To 170 Lbs.Ft. (4.000" Diameter Main Bearing Journals; 5/8" Bolts)								
Main Bearing	280 To 290 Lbs.Ft. (4.000" Diameter Main Bearing Journals; 7/8" Bolts)								
25	844 CID (13.8L) HD844 Allis Chalmers Diesel 6 Cyl				5.250in./133.4mm x 6.500in./165.1mm				25
Piston Pin Bushing(6)	C-1	223-3587	STD			0.2040	2.4365/2.4375	0.8550	
NOTE: From Chassis Serial Number 1100 To 12500,From Chassis Serial Number 4001 To 5901, Requires Boring									
C/S Forging	05844, 4361324, 4371087, 4371093, 4371094, 4371097, DE-34286, DE-61324, DE-63043, DE-63908, DE-64786, DE-65968, DE-66233								



SHOP DATA

AMERICAN MOTORS

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				8 CYL			
1965CC (2.0L) F3R	1987	3.228in./82mmX3.661in./93mm	1	250 CID (4.1L)	1958-1961	3.500in./88.9mmX3.250in./82.6mm	6
Renault				287 CID (4.7L)	1963-1966	3.750in./95.3mmX3.250in./82.6mm	6
150 CID (2.5L) OHV	1983-1986	3.875in./98.4mmX3.190in./81.03mm	2	290 CID (4.8L)	1966-1969	3.750in./95.3mmX3.281in./83.34mm	7
151 CID (2.5L) Carbureted	1980-1983	4.000in./101.6mmX3.000in./76.2mm	3	304 CID (5.0L)	1970-1979	3.750in./95.3mmX3.438in./87.33mm	7
Pontiac				327 CID (5.4L)	1957-1966	4.000in./101.6mmX3.250in./82.6mm	6
6 CYL				343 CID (5.6L)	1967-1969	4.080in./103.6mmX3.281in./83.34mm	7
196 CID (3.2L) L-Head	1961-1965	3.125in./79.4mmX4.250in./108mm	4	360 CID (5.9L)	1970-1978	4.080in./103.6mmX3.438in./87.33mm	7
196 CID (3.2L) OHV	1961-1965	3.125in./79.4mmX4.250in./108mm	4	390 CID (6.4L)	1968-1970	4.165in./105.8mmX3.574in./90.8mm	8
199 CID (3.3L)	1965-1970	3.750in./95.3mmX3.000in./76.2mm	5	401 CID (6.6L)	1971-1976	4.165in./105.8mmX3.680in./93.5mm	8
232 CID (3.8L)	1964-1979	3.750in./95.3mmX3.500in./88.9mm	5				
258 CID (4.2L)	1971-1988	3.750in./95.3mmX3.906in./99.2mm	5				

Model	Engine	Years	Block	Model	Engine	Years	Block
AMX	258 CID (4.2L)	1978-1980	5	Ambassador	401 CID (6.6L)	1971-1974	8
AMX	290 CID (4.8L)	1968-1969	7	American	196 CID (3.2L) L-Head	1957-1965	4
AMX	304 CID (5.0L)	1978-1979	7	American	196 CID (3.2L) OHV	1960-1965	4
AMX	343 CID (5.6L)	1968-1969	7	American	199 CID (3.3L)	1966-1970	5
AMX	360 CID (5.9L)	1970	7	American	232 CID (3.8L)	1964-1969	5
AMX	390 CID (6.4L)	1968-1970	8	American	290 CID (4.8L)	1967-1969	7
Ambassador	199 CID (3.3L)	1966-1967	5	American	343 CID (5.6L)	1967	7
Ambassador	232 CID (3.8L)	1965-1971	5	Concord	151 CID (2.5L) Carbureted	1980-1983	3
Ambassador	258 CID (4.2L)	1971	5		Pontiac		
Ambassador	287 CID (4.7L)	1965	6	Concord	232 CID (3.8L)	1978-1979	5
Ambassador	290 CID (4.8L)	1967-1969	7	Concord	258 CID (4.2L)	1978-1983	5
Ambassador	304 CID (5.0L)	1970-1974	7	Concord	304 CID (5.0L)	1978-1979	7
Ambassador	327 CID (5.4L)	1957-1966	6	Eagle	150 CID (2.5L) OHV	1983-1986	2
Ambassador	343 CID (5.6L)	1967-1969	7	Eagle	151 CID (2.5L) Carbureted	1980-1983	3
Ambassador	360 CID (5.9L)	1970-1974	7		Pontiac		
Ambassador	390 CID (6.4L)	1968-1970	8	Eagle	258 CID (4.2L)	1980-1988	5

AMERICAN MOTORS (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Eagle Kammback	151 CID (2.5L) Carbureted Pontiac	1981-1982	3	Matador	258 CID (4.2L)	1971-1978	5
Eagle Kammback	258 CID (4.2L)	1981-1982	5	Matador	304 CID (5.0L)	1971-1978	7
Eagle SX/4	151 CID (2.5L) Carbureted Pontiac	1981-1983	3	Matador	360 CID (5.9L)	1971-1978	7
Eagle SX/4	258 CID (4.2L)	1981-1983	5	Matador	401 CID (6.6L)	1971-1976	8
GTA	1965CC (2.0L) F3R Renault	1987	1	Pacer	232 CID (3.8L)	1975-1978	5
Gremlin	199 CID (3.3L)	1970	5	Pacer	258 CID (4.2L)	1975-1980	5
Gremlin	232 CID (3.8L)	1970-1978	5	Pacer	304 CID (5.0L)	1975-1979	7
Gremlin	258 CID (4.2L)	1971-1978	5	Rambler	232 CID (3.8L)	1969	5
Gremlin	304 CID (5.0L)	1970-1978	7	Rambler	290 CID (4.8L)	1969	7
Hornet	199 CID (3.3L)	1970	5	Rambler	390 CID (6.4L)	1969	8
Hornet	232 CID (3.8L)	1970-1978	5	Rambler Classic	196 CID (3.2L) OHV	1961-1964	4
Hornet	258 CID (4.2L)	1971-1978	5	Rambler Classic	199 CID (3.3L)	1965-1966	5
Hornet	304 CID (5.0L)	1970-1978	7	Rambler Classic	232 CID (3.8L)	1964-1966	5
Hornet	360 CID (5.9L)	1970-1977	7	Rambler Classic	250 CID (4.1L)	1961	6
Javelin	232 CID (3.8L)	1968-1972	5	Rambler Classic	287 CID (4.7L)	1963-1966	6
Javelin	258 CID (4.2L)	1971-1972	5	Rambler Classic	290 CID (4.8L)	1966	7
Javelin	290 CID (4.8L)	1968-1969	7	Rambler Classic	327 CID (5.4L)	1963-1966	6
Javelin	304 CID (5.0L)	1970-1974	7	Rebel	232 CID (3.8L)	1967	5
Javelin	343 CID (5.6L)	1968-1969	7	Rebel	250 CID (4.1L)	1958-1960	6
Javelin	360 CID (5.9L)	1970-1974	7	Rebel	290 CID (4.8L)	1967-1969	7
Javelin	390 CID (6.4L)	1968-1970	8	Rebel	304 CID (5.0L)	1970	7
Javelin	401 CID (6.6L)	1971-1974	8	Rebel	343 CID (5.6L)	1967-1969	7
Marlin	232 CID (3.8L)	1965-1966	5	Rebel	360 CID (5.9L)	1970	7
Marlin	287 CID (4.7L)	1965-1966	6	Rebel	390 CID (6.4L)	1968-1970	8
Marlin	290 CID (4.8L)	1967	7	Spirit	151 CID (2.5L) Carbureted Pontiac	1980-1982	3
Marlin	327 CID (5.4L)	1965-1966	6	Spirit	232 CID (3.8L)	1979	5
Marlin	343 CID (5.6L)	1967	7	Spirit	258 CID (4.2L)	1979-1983	5
Matador	232 CID (3.8L)	1971-1974	5	Spirit	304 CID (5.0L)	1979	7

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
207	3.500in./88.9mm	5	707	3.906in./99.2mm	5	3145295	3.250in./82.6mm	6	3174472	4.250in./108mm	4
207	3.000in./76.2mm	5	4472	4.250in./108mm	4	3145607	4.250in./108mm	4	3180444	3.500in./88.9mm	5
207	3.906in./99.2mm	5	5854	3.680in./93.5mm	8	3145608	4.250in./108mm	4	3182749	3.500in./88.9mm	5
324	3.000in./76.2mm	3	7047	3.680in./93.5mm	8	3145609	4.250in./108mm	4	3182749	3.000in./76.2mm	5
338	3.500in./88.9mm	5	499323	3.000in./76.2mm	3	3145808	4.250in./108mm	4	3182749	3.281in./83.34mm	7
351	3.190in./81.03mm	2	3125959	4.250in./108mm	4	3172341	3.500in./88.9mm	5	3182749	3.438in./87.33mm	7
352	3.906in./99.2mm	5	3127770	4.250in./108mm	4	3172341	3.000in./76.2mm	5	3182749	3.906in./99.2mm	5
707	3.500in./88.9mm	5	3131804	4.250in./108mm	4	3172341	3.906in./99.2mm	5	3191739	3.680in./93.5mm	8
707	3.000in./76.2mm	5	3135607	4.250in./108mm	4	3173210	3.500in./88.9mm	5	3196750	3.438in./87.33mm	7
707	3.281in./83.34mm	7	3144468	3.250in./82.6mm	6	3173210	3.000in./76.2mm	5	3197047	3.438in./87.33mm	7
707	3.438in./87.33mm	7	3144488	3.250in./82.6mm	6	3173210	3.906in./99.2mm	5	3215845	3.680in./93.5mm	8

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
017	3.000in./76.2mm	3	3160035	4.250in./108mm	4	3190079	3.680in./93.5mm	8	3208794	3.500in./88.9mm	5
381	3.000in./76.2mm	3	3160035	3.500in./88.9mm	5	3190792	3.680in./93.5mm	8	3208795	3.680in./93.5mm	8
390	3.000in./76.2mm	3	3160110	4.250in./108mm	4	3190792F	3.680in./93.5mm	8	3213754	3.438in./87.33mm	7
684	3.000in./76.2mm	3	3162394	4.250in./108mm	4	3190793	3.680in./93.5mm	8	3214722	3.500in./88.9mm	5
771	3.000in./76.2mm	3	3162394F	4.250in./108mm	4	3190797	3.680in./93.5mm	8	3214723	3.906in./99.2mm	5
777	3.000in./76.2mm	3	3165562	4.250in./108mm	4	3190798	3.680in./93.5mm	8	3214724	3.438in./87.33mm	7
499311	3.000in./76.2mm	3	3165562F	4.250in./108mm	4	3193816	3.281in./83.34mm	7	3214725	3.680in./93.5mm	8
3124294F	4.250in./108mm	4	3169034	4.250in./108mm	4	3193816	3.438in./87.33mm	7	3220411	3.680in./93.5mm	8
3125974	4.250in./108mm	4	3169034	3.500in./88.9mm	5	3195292	3.438in./87.33mm	7	3235477	3.906in./99.2mm	5
3127501F	4.250in./108mm	4	3169035F	4.250in./108mm	4	3196921	3.680in./93.5mm	8	3239611	3.190in./81.03mm	2
3130368	4.250in./108mm	4	3172216	3.000in./76.2mm	5	3196922	3.680in./93.5mm	8	4487237	3.438in./87.33mm	7
3134294	4.250in./108mm	4	3172218	3.500in./88.9mm	5	3199738C	3.906in./99.2mm	5	4487238	3.680in./93.5mm	8
3134294F	4.250in./108mm	4	3172218R	3.500in./88.9mm	5	3199798	3.906in./99.2mm	5	4992111	3.000in./76.2mm	3
3144388	3.250in./82.6mm	6	3172697	4.250in./108mm	4	3199842	3.680in./93.5mm	8	4993111	3.000in./76.2mm	3
3159292	3.438in./87.33mm	7	3173429	3.000in./76.2mm	5	3204904	3.500in./88.9mm	5	RD51261	3.438in./87.33mm	7
3159614	4.250in./108mm	4	3178451C	3.438in./87.33mm	7	3208626	3.000in./76.2mm	5	RD67703	3.906in./99.2mm	5
3159614F	4.250in./108mm	4	3188945	3.500in./88.9mm	5	3208627	3.500in./88.9mm	5	RDJ1261	3.438in./87.33mm	7
3160033	4.250in./108mm	4	3188947	3.500in./88.9mm	5	3208793	3.000in./76.2mm	5			



AMERICAN MOTORS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
				4 CYL				
1	1965CC (2.0L) F3R Renault 4 Cyl (1987)			3.228in./82mm x 3.661in./93mm				1
Rod Bearing(4)	AL-3	CB-1310AL	STD	1.8898/1.8906	0.0018/0.0031	0.0693	2.0310/2.0315	0.8070
Main Bearing Set 1-2-3-4-5	AL-3	MS-1603AL MB-2947AL	STD,.25mm	2.1573/2.1577	0.0016/0.0036	0.0764	2.3122/2.3128	0.7280
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-373S								
Thrust Washer Set		TW-373S MB-2946W	STD	2.3819/2.3917			3.1398/3.1496	0.0930
NOTE: Contains 2 Pieces, Position Number 2, Use With Part Number MS-1603AL								
2	150 CID (2.5L) OHV 4 Cyl (1983-1986)			3.875in./98.4mm x 3.190in./81.03mm				2
Rod Bearing(4)	TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set 1-3-4-5 2	TM-77	MS-1568P MB-2263P MB-2264P(F)	STD,10,20,30,40	2.4996/2.5001 2.4996/2.5001	0.0006/0.0031 0.0006/0.0031	0.0953 0.0953	2.6910/2.6920 2.6910/2.6920	0.9860 1.2700
Cam Bearing Set 1 2 3 4	B-1	SH-1980S SH-1980 SH-550 SH-551 SH-552	STD	2.0295/2.0305 2.0195/2.0205 2.0095/2.0105 1.9995/2.0005	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0620 0.0620 0.0620 0.0620	2.1555/2.1565 2.1455/2.1465 2.1355/2.1365 2.1255/2.1265	0.6950 0.7050 0.7050 0.7050
Rod Forging C/S Forging	351 3239611							
Connecting Rod Main Bearing	33 Lbs.Ft. 80 Lbs.Ft.							
3	151 CID (2.5L) Carbureted Pontiac 4 Cyl (1980-1983)			4.000in./101.6mm x 3.000in./76.2mm				3
Rod Bearing(4)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set 1-2-3-4 5	TM-77	MS-1733P MB-3135P MB-2588P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2983/2.2993	0.0003/0.0033 0.0006/0.0036	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.0090
Cam Bearing Set 1-2-3	AL-3	SH-1030S SH-400	STD,10	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
Rod Forging C/S Forging	324, 499323 017, 381, 390, 684, 771, 777, 499311, 4992111, 4993111							
Connecting Rod Connecting Rod Main Bearing Main Bearing	30 Lbs.Ft. (Except Cross Flow Cylinder Heads) 32 Lbs.Ft. (Cross Flow Cylinder Heads) 65 Lbs.Ft. (Except Cross Flow Cylinder Heads) 70 Lbs.Ft. (Cross Flow Cylinder Heads)							
				6 CYL				
4	196 CID (3.2L) L-Head,OHV 6 Cyl (1961-1965)			3.125in./79.4mm x 4.250in./108mm				4
Cam Bearing Set 1 2 3 4	B-1	SH-529S SH-529 SH-470 SH-471 SH-472	STD	1.8155/1.8165 1.8055/1.8065 1.7955/1.7966 1.7855/1.7865	0.0010/0.0040 0.0010/0.0040 0.0010/0.0040 0.0010/0.0040	0.0643 0.0643 0.0643 0.0643	1.9460/1.9480 1.9360/1.9380 1.9260/1.9280 1.9160/1.9180	0.9470 0.7910 0.7910 0.8200
NOTE: From Engine Serial Number 20830,From Engine Serial Number 20908								
Rod Forging C/S Forging	4472, 3125959, 3127770, 3131804, 3135607, 3145607, 3145608, 3145609, 3145808, 3174472 3125974, 3130368, 3134294, 3159614, 3160033, 3160035, 3160110, 3162394, 3165562, 3169034, 3172697, 3124294F, 3127501F, 3134294F, 3159614F, 3162394F, 3165562F, 3169035F							
Connecting Rod Main Bearing Main Bearing	27 To 30 Lbs.Ft. 55 To 58 Lbs.Ft. (Aluminum Engine) 66 To 70 Lbs.Ft. (Except Aluminum Engine)							
5	199 CID (3.3L) 6 Cyl (1965-1970) 232 CID (3.8L) 6 Cyl (1964-1979) 258 CID (4.2L) 6 Cyl (1971-1988)			3.750in./95.3mm x 3.000in./76.2mm 3.750in./95.3mm x 3.500in./88.9mm 3.750in./95.3mm x 3.906in./99.2mm				5
Rod Bearing(6)	TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set 1-2-4-5-6-7 3	TM-77	MS-704P MB-2263P MB-2264P(F)	STD,10,20,30,40	2.4996/2.5001 2.4996/2.5001	0.0006/0.0031 0.0006/0.0031	0.0953 0.0953	2.6910/2.6920 2.6910/2.6920	0.9860 1.2700



AMERICAN MOTORS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
5 (Cont.)	199 CID (3.3L) 6 Cyl (1965-1970)			3.750in./95.3mm x 3.000in./76.2mm				5 (Cont.)
	232 CID (3.8L) 6 Cyl (1964-1979)			3.750in./95.3mm x 3.500in./88.9mm				
	258 CID (4.2L) 6 Cyl (1971-1988)			3.750in./95.3mm x 3.906in./99.2mm				
Cam Bearing Set	B-1	SH-1980S	STD					
1		SH-1980		2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6950
2		SH-550		2.0195/2.0205	0.0010/0.0050	0.0620	2.1455/2.1465	0.7050
3		SH-551		2.0095/2.0105	0.0010/0.0050	0.0620	2.1355/2.1365	0.7050
4		SH-552		1.9995/2.0005	0.0010/0.0050	0.0620	2.1255/2.1265	0.7050
Rod Forging	207, 338, 352, 707, 3172341, 3173210, 3180444, 3182749							
C/S Forging	3160035, 3169034, 3172216, 3172218, 3173429, 3188945, 3188947, 3199798, 3204904, 3208626, 3208627, 3208793, 3208794, 3214722, 3214723, 3235477, RD67703, 3172218R, 3199738C							
Connecting Rod	27 To 30 Lbs.Ft. (199 CID (3.3L))							
Connecting Rod	30 Lbs.Ft. (232 CID (3.8L) OHV,258 CID (4.2L) 8.0 to 1 Compression)							
Main Bearing	75 To 85 Lbs.Ft.							
8 CYL								
6	250 CID (4.1L) V8 Cyl (1958-1961)			3.500in./88.9mm x 3.250in./82.6mm				6
	287 CID (4.7L) V8 Cyl (1963-1966)			3.750in./95.3mm x 3.250in./82.6mm				
	327 CID (5.4L) V8 Cyl (1957-1966)			4.000in./101.6mm x 3.250in./82.6mm				
Rod Bearing(8)	TM-77	CB-507P	STD,10,20	2.2483/2.2490	0.0012/0.0030	0.0624	2.3745/2.3750	0.9020
Rod Forging	3144468, 3144488, 3145295							
C/S Forging	3144388							
7	290 CID (4.8L) V8 Cyl (1966-1969)			3.750in./95.3mm x 3.281in./83.34mm				7
	304 CID (5.0L) V8 Cyl (1970-1979)			3.750in./95.3mm x 3.438in./87.33mm				
	343 CID (5.6L) V8 Cyl (1967-1969)			4.080in./103.6mm x 3.281in./83.34mm				
360 CID (5.9L) V8 Cyl (1970-1978)			4.080in./103.6mm x 3.438in./87.33mm					
Rod Bearing(8)	TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set	TM-77	MS-1041P	STD,10,20,30					
1-2-4-5		MB-2579P		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	0.9280
3		MB-2578P(F)		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	1.2700
Cam Bearing Set	B-1	SH-671S	STD					
1		SH-671		2.1195/2.1205	0.0010/0.0050	0.0620	2.2455/2.2465	0.9350
2		SH-672		2.0895/2.0905	0.0010/0.0050	0.0620	2.2155/2.2165	0.6400
3		SH-673		2.0595/2.0605	0.0010/0.0050	0.0620	2.1855/2.1865	0.6400
4		SH-674		2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6400
5		SH-675		1.9995/2.0005	0.0010/0.0050	0.0620	2.1255/2.1265	0.6400
Rod Forging	707, 3182749, 3196750, 3197047							
C/S Forging	3159292, 3193816, 3195292, 3213754, 3214724, 4487237, RD51261, RDJ1261, 3178451C							
Connecting Rod	27 To 30 Lbs.Ft. (290 CID (4.8L) ,343 CID (5.6L))							
Connecting Rod	30 Lbs.Ft. (360 CID (5.9L))							
Connecting Rod	95 To 105 Lbs.Ft. (304 CID (5.0L) 8.4 to 1 Compression)							
Main Bearing	30 To 35 Lbs.Ft. (304 CID (5.0L) 8.4 to 1 Compression)							
Main Bearing	95 To 105 Lbs.Ft. (290 CID (4.8L) ,343 CID (5.6L) ,360 CID (5.9L))							
8	390 CID (6.4L) V8 Cyl (1968-1970)			4.165in./105.8mm x 3.574in./90.8mm				8
	401 CID (6.6L) V8 Cyl (1971-1976)			4.165in./105.8mm x 3.680in./93.5mm				
Rod Bearing(8)	TM-77	CB-819P	STD,10,20,30	2.2478/2.2485	0.0019/0.0041	0.0623	2.3745/2.3750	0.8050
Main Bearing Set	TM-77	MS-1041P	STD,10,20,30					
1-2-4-5		MB-2579P		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	0.9280
3		MB-2578P(F)		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	1.2700
Cam Bearing Set	B-1	SH-671S	STD					
1		SH-671		2.1195/2.1205	0.0010/0.0050	0.0620	2.2455/2.2465	0.9350
2		SH-672		2.0895/2.0905	0.0010/0.0050	0.0620	2.2155/2.2165	0.6400
3		SH-673		2.0595/2.0605	0.0010/0.0050	0.0620	2.1855/2.1865	0.6400
4		SH-674		2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6400
5		SH-675		1.9995/2.0005	0.0010/0.0050	0.0620	2.1255/2.1265	0.6400
Rod Forging	5854, 7047, 3191739, 3215845							
C/S Forging	3190079, 3190792, 3190793, 3190797, 3190798, 3196921, 3196922, 3199842, 3208795, 3214725, 3220411, 4487238, 3190792F							
Connecting Rod	35 To 40 Lbs.Ft.							
Main Bearing	95 To 100 Lbs.Ft.							



ASUNA									
ENGINE DATA									
Engine	Years		Block						
4 CYL									
110 CID (1.8L) LV6 DOHC Isuzu	1992-1993		1						
MODEL DATA									
Model	Engine	Years		Block					
Sunfire	110 CID (1.8L) LV6 DOHC Isuzu	1992-1993		1					
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL									
1	110 CID (1.8L) LV6 DOHC Isuzu 4 Cyl (1992-1993)				3.150in./80mm x 3.543in./90mm				1
Thrust Washer Set		TW-595S MB-3481W		STD		2.3228		2.9016	0.0870
NOTE: Contains 2 Pieces, Position Number 3									
AUDI									
ENGINE DATA									
Engine	Years	Bore & Stroke		Block	Engine	Years	Bore & Stroke		Block
4 CYL					5 CYL (Cont.)				
1471CC (1.5L) XV/XW/XY/XZ Gas Volkswagen	1974	3.012in./76.5mmX3.150in./80mm		1	1986CC (2.0L) DE SOHC Turbocharged Diesel	1983-1985	3.012in./76.5mmX3.386in./86mm		5
1471CC (1.5L) ZD SOHC	1973	3.012in./76.5mmX3.150in./80mm		1	2144CC (2.2L) KH SOHC Turbocharged	1984-1985	3.130in./79.5mmX3.386in./86mm		5
1471CC (1.5L) ZE SOHC	1973	3.012in./76.5mmX3.150in./80mm		1	2144CC (2.2L) WD SOHC Volkswagen	1978-1983	3.130in./79.5mmX3.386in./86mm		6
1588CC (1.6L) CR Volkswagen Diesel	1982-1983	3.012in./76.5mmX3.386in./86mm		2	2144CC (2.2L) WE Volkswagen	1978-1984	3.130in./79.5mmX3.386in./86mm		7
1588CC (1.6L) CY Turbo Volkswagen Turbocharged Diesel	1983	3.130in./79.5mmX3.150in./80mm		2	2144CC (2.2L) WK SOHC Turbocharged	1980-1983	3.130in./79.5mmX3.386in./86mm		6
1588CC (1.6L) JK Volkswagen Diesel	1983	3.012in./76.5mmX3.386in./86mm		2	2144CC (2.2L) WU SOHC	1984	3.130in./79.5mmX3.386in./86mm		5
1588CC (1.6L) YG Volkswagen	1975-1980	3.130in./79.5mmX3.150in./80mm		1	2144CC (2.2L) WX SOHC Turbocharged	1983-1986	3.130in./79.5mmX3.386in./86mm		7
1588CC (1.6L) YH Volkswagen	1975-1980	3.130in./79.5mmX3.150in./80mm		1	2226CC (2.2L) AAN DOHC Turbocharged	1992-1995	3.189in./81mmX3.386in./86mm		5
1588CC (1.6L) YK Volkswagen	1975-1980	3.130in./79.5mmX3.150in./80mm		1	2226CC (2.2L) JT/KX Volkswagen	1984-1987	3.189in./81mmX3.386in./86mm		5
1715CC (1.7L) WT Volkswagen	1981-1984	3.130in./79.5mmX3.386in./86mm		3	2226CC (2.2L) KZ SOHC	1985-1987	3.189in./81mmX3.386in./86mm		5
1780CC (1.8L) JN Volkswagen	1984	3.189in./81mmX3.386in./86mm		2	2226CC (2.2L) MC SOHC Turbocharged	1986-1991	3.189in./81mmX3.386in./86mm		5
1780CC (1.8L) MG	1985-1987	3.189in./81mmX3.386in./86mm		2	2309CC (2.3L) 7A DOHC	1989-1991	3.248in./82.5mmX3.386in./86mm		5
1781CC (1.8L) AEB Volkswagen Turbocharged/Intercooled	1997-2000	3.189in./81mmX3.402in./86.4mm		4	2309CC (2.3L) NF SOHC	1988-1991	3.248in./82.5mmX3.386in./86mm		5
1984CC (2.0L) 3A SOHC	1988-1991	3.248in./82.5mmX3.650in./92.7mm		2	2309CC (2.3L) NG SOHC	1988-1992	3.248in./82.5mmX3.386in./86mm		5
5 CYL					6 CYL				
1986CC (2.0L) CN SOHC Diesel	1979-1982	3.012in./76.5mmX3.386in./86mm		5	2771CC (2.8L) AHA DOHC	1998-1999	3.248in./82.5mmX3.400in./86.4mm		8
MODEL DATA									
Model	Engine	Years		Block	Model	Engine	Years		Block
80	1984CC (2.0L) 3A SOHC	1988-1991		2	4000	1588CC (1.6L) CR Volkswagen Diesel	1982		2
80	2309CC (2.3L) NG SOHC	1988-1992		5	4000	1588CC (1.6L) CY Turbo Volkswagen Diesel	1983		2
90	1984CC (2.0L) 3A SOHC	1988-1989		2	4000	1588CC (1.6L) JK Volkswagen Diesel	1983		2
90	2309CC (2.3L) 7A DOHC	1989-1991		5	4000	1715CC (1.7L) WT Volkswagen	1981-1984		3
90	2309CC (2.3L) NG SOHC	1988-1992		5	4000	1780CC (1.8L) JN Volkswagen	1984		2
100	2309CC (2.3L) NF SOHC	1989-1991		5	4000	1780CC (1.8L) MG	1985-1987		2
200 Turbo	2226CC (2.2L) MC SOHC	1989-1991		5	4000	2144CC (2.2L) WE Volkswagen	1980-1984		7
4000	1588CC (1.6L) YG Volkswagen	1975-1980		1					
4000	1588CC (1.6L) YH Volkswagen	1975-1980		1					
4000	1588CC (1.6L) YK Volkswagen	1975-1980		1					



AUDI (Cont.)							
MODEL DATA (Cont.)							
Model	Engine	Years	Block	Model	Engine	Years	Block
4000	2226CC (2.2L) JT/KX Volkswagen	1984-1987	5	Coupe	2226CC (2.2L) JT/KX Volkswagen	1984-1987	5
5000	1986CC (2.0L) CN SOHC Diesel	1979-1982	5	Coupe	2309CC (2.3L) 7A DOHC	1990-1991	5
5000	1986CC (2.0L) DE SOHC Diesel	1983-1985	5	Fox	1471CC (1.5L) ZD SOHC	1973	1
5000	2144CC (2.2L) WD SOHC Volkswagen	1978-1983	6	Fox	1471CC (1.5L) ZE SOHC	1973	1
5000	2144CC (2.2L) WE Volkswagen	1978-1981	7	Fox	1471CC (1.5L) XV/XW/XY/XZ Gas Volkswagen	1974	1
5000	2144CC (2.2L) WK SOHC	1980-1983	6	Fox	1588CC (1.6L) YG Volkswagen	1975-1979	1
5000	2144CC (2.2L) WU SOHC	1984	5	Fox	1588CC (1.6L) YH Volkswagen	1975-1979	1
5000	2144CC (2.2L) KH SOHC	1984-1985	5	QUATTRO	2144CC (2.2L) WK SOHC	1980-1983	6
5000	2226CC (2.2L) KZ SOHC	1985-1987	5	QUATTRO	2144CC (2.2L) KH SOHC	1984-1985	5
5000	2226CC (2.2L) MC SOHC	1986-1988	5	QUATTRO	2144CC (2.2L) WX SOHC	1983-1986	7
5000	2309CC (2.3L) NF SOHC	1988	5	QUATTRO	2226CC (2.2L) KZ SOHC	1985-1987	5
A4	1781CC (1.8L) AEB Volkswagen	1996-2000	4	QUATTRO	2226CC (2.2L) MC SOHC	1986-1987	5
A4	2771CC (2.8L) AHA DOHC	1998-1999	8	S4	2226CC (2.2L) AAN DOHC	1992-1994	5
A6	2771CC (2.8L) AHA DOHC	1998-1999	8	S6	2226CC (2.2L) AAN DOHC	1995	5
Coupe	2144CC (2.2L) WE Volkswagen	1981-1984	7				
CRANKSHAFT FORGING NUMBERS							
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke
035D	3.386in./86mm	6	035D	3.386in./86mm	5	A1456	3.150in./80mm
035D	3.386in./86mm	7	391101	3.150in./80mm	1		
COUNTER DATA				SHOP DATA			
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore
4 CYL							
1	1471CC (1.5L) XV/XW/XY/XZ Gas Volkswagen 4 Cyl (1974) 1471CC (1.5L) ZD SOHC,ZE SOHC 4 Cyl (1973) 1588CC (1.6L) YG,YH,YK Volkswagen 4 Cyl (1975-1980)				3.012in./76.5mm x 3.150in./80mm 3.012in./76.5mm x 3.150in./80mm 3.130in./79.5mm x 3.150in./80mm		1
Rod Bearing(4)	TM-77	CB-1017P	STD.,25mm.,50mm.,75mm	1.8087/1.8094	0.0016/0.0040	0.0593	1.9291/1.9298
Main Bearing Set	AL-3	MS-1659P	STD.,25mm.,50mm				
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236
3		MB-693AL(F)		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236
NOTE: Undersize Sets Contain .10mm Oversize Length Flanged Bearing,Will Also Service Engines Equipped With Thrust Washers							
Main Bearing Set	AL-3	MS-2070P-.25mm					
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236
3		MB-3567P(F)		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236
NOTE: All Sizes Contain Standard Length Flanged Bearing,Will Also Service Engines Equipped With Thrust Washers							
Aux. Shaft Bearing Set	B-1	SH-1209S	STD				
1		SH-1209		1.6913/1.6919	0.0011/0.0039	0.0590	1.8110/1.8120
2		SH-1210		1.6519/1.6525	0.0011/0.0033	0.0590	1.7716/1.7726
Piston Pin Bushing(4)	C-1	223-3547	STD			0.1190	0.9843/0.9851
NOTE: Requires Light Reaming, Connecting Rod Bushing							
C/S Forging	A1456, 391101						
Connecting Rod	33 Lbs.Ft.						
Main Bearing	47 Lbs.Ft.						
2	1588CC (1.6L) CR Volkswagen Diesel 4 Cyl (1982-1983) 1588CC (1.6L) CY Turbo Volkswagen Turbocharged Diesel 4 Cyl (1983) 1588CC (1.6L) JK Volkswagen Diesel 4 Cyl (1983) 1780CC (1.8L) JN Volkswagen 4 Cyl (1984) 1780CC (1.8L) MG 4 Cyl (1985-1987) 1984CC (2.0L) 3A SOHC 4 Cyl (1988-1991)				3.012in./76.5mm x 3.386in./86mm 3.130in./79.5mm x 3.150in./80mm 3.012in./76.5mm x 3.386in./86mm 3.189in./81mm x 3.386in./86mm 3.189in./81mm x 3.386in./86mm 3.248in./82.5mm x 3.650in./92.7mm		2
Rod Bearing(4)	TM-77	CB-1426P	STD.,25mm.,50mm	1.8802/1.8810	0.0009/0.0032	0.0553	1.9921/1.9929
NOTE: Oil Hole In Bearing							
Main Bearing Set	AL-3	MS-1659P	STD.,25mm.,50mm				
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236
3		MB-693AL(F)		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236
NOTE: Undersize Sets Contain .10mm Oversize Length Flanged Bearing,Will Also Service Engines Equipped With Thrust Washers							



AUDI (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
2 (Cont.)	1588CC (1.6L) CR Volkswagen Diesel 4 Cyl (1982-1983)				3.012in./76.5mm x 3.386in./86mm			2 (Cont.)
	1588CC (1.6L) CY Turbo Volkswagen Turbocharged Diesel 4 Cyl (1983)				3.130in./79.5mm x 3.150in./80mm			
	1588CC (1.6L) JK Volkswagen Diesel 4 Cyl (1983)				3.012in./76.5mm x 3.386in./86mm			
	1780CC (1.8L) JN Volkswagen 4 Cyl (1984)				3.189in./81mm x 3.386in./86mm			
	1780CC (1.8L) MG 4 Cyl (1985-1987)				3.189in./81mm x 3.386in./86mm			
	1984CC (2.0L) 3A SOHC 4 Cyl (1988-1991)				3.248in./82.5mm x 3.650in./92.7mm			
Main Bearing Set	AL-3	MS-2070P-.25mm						
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.7280
3		MB-3567P(F)		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.9820
NOTE: All Sizes Contain Standard Length Flanged Bearing,Will Also Service Engines Equipped With Thrust Washers								
Connecting Rod	22 Lbs.Ft. Plus 90 Degrees (1780CC (1.8L) JN,1780CC (1.8L) MG)							
Connecting Rod	33 Lbs.Ft. (1588CC (1.6L) CR,1588CC (1.6L) CY Turbo,1588CC (1.6L) JK)							
Main Bearing	47 Lbs.Ft. (1588CC (1.6L) CR,1588CC (1.6L) CY Turbo,1588CC (1.6L) JK)							
Main Bearing	50 Lbs.Ft. (1780CC (1.8L) JN,1780CC (1.8L) MG)							
3	1715CC (1.7L) WT Volkswagen 4 Cyl (1981-1984)				3.130in./79.5mm x 3.386in./86mm			3
Rod Bearing(4)	TM-77	CB-1017P	STD.,25mm.,50mm.,75mm	1.8087/1.8094	0.0016/0.0040	0.0593	1.9291/1.9298	0.7480
Main Bearing Set	AL-3	MS-1659P	STD.,25mm.,50mm					
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.7280
3		MB-693AL(F)		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.9820
NOTE: Undersize Sets Contain .10mm Oversize Length Flanged Bearing,Will Also Service Engines Equipped With Thrust Washers								
Main Bearing Set	AL-3	MS-2070P-.25mm						
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.7280
3		MB-3567P(F)		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.9820
NOTE: All Sizes Contain Standard Length Flanged Bearing,Will Also Service Engines Equipped With Thrust Washers								
Aux. Shaft Bearing Set	B-1	SH-1209S	STD					
1		SH-1209		1.6913/1.6919	0.0011/0.0039	0.0590	1.8110/1.8120	0.5900
2		SH-1210		1.6519/1.6525	0.0011/0.0033	0.0590	1.7716/1.7726	0.5900
Connecting Rod	33 Lbs.Ft.							
Main Bearing	47 Lbs.Ft.							
4	1781CC (1.8L) AEB Volkswagen Turbocharged/Intercooled 4 Cyl (1997-2000)				3.189in./81mm x 3.402in./86.4mm			4
Rod Bearing(4)	TM-1	CB-1821P	STD.,25mm.,50mm	1.8802/1.8810	0.0008/0.0026	0.0554	1.9921/1.9926	0.7480
Main Bearing Set	AL-6	MS-2227AL	STD.,25mm.,50mm					
1-2-3-5		MB-3792AL		2.1243/2.1251	0.0007/0.0030	0.0985	2.3228/2.3236	0.7283
4		MB-3793AL		2.1243/2.1251	0.0008/0.0032	0.0985	2.3228/2.3236	0.7283
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-612S								
Thrust Washer Set		TW-612S	STD					
		MB-3794WU		2.3425		0.0778	2.8819	
		MB-3794WL		2.3425		0.0778	2.8819	
NOTE: Contains 4 Pieces, Use With Part Number MS-2227AL								
5 CYL								
5	1986CC (2.0L) CN SOHC Diesel 5 Cyl (1979-1982)				3.012in./76.5mm x 3.386in./86mm			5
	1986CC (2.0L) DE SOHC Turbocharged Diesel 5 Cyl (1983-1985)				3.012in./76.5mm x 3.386in./86mm			
	2144CC (2.2L) KH SOHC Turbocharged 5 Cyl (1984-1985)				3.130in./79.5mm x 3.386in./86mm			
	2144CC (2.2L) WU SOHC 5 Cyl (1984)				3.130in./79.5mm x 3.386in./86mm			
	2226CC (2.2L) AAN DOHC Turbocharged 5 Cyl (1992-1995)				3.189in./81mm x 3.386in./86mm			
	2226CC (2.2L) JT/KX Volkswagen 5 Cyl (1984-1987)				3.189in./81mm x 3.386in./86mm			
	2226CC (2.2L) KZ SOHC 5 Cyl (1985-1987)				3.189in./81mm x 3.386in./86mm			
	2226CC (2.2L) MC SOHC Turbocharged 5 Cyl (1986-1991)				3.189in./81mm x 3.386in./86mm			
	2309CC (2.3L) 7A DOHC 5 Cyl (1989-1991)				3.248in./82.5mm x 3.386in./86mm			
	2309CC (2.3L) NF SOHC 5 Cyl (1988-1991)				3.248in./82.5mm x 3.386in./86mm			
	2309CC (2.3L) NG SOHC 5 Cyl (1988-1992)				3.248in./82.5mm x 3.386in./86mm			
Rod Bearing(5)	TM-77	CB-1426P	STD.,25mm.,50mm	1.8802/1.8810	0.0009/0.0032	0.0553	1.9921/1.9929	0.7480
Main Bearing Set	TM-77	MS-1434P-.25mm						
1-2-4-5-6		MB-2661P		2.2818/2.2826	0.0012/0.0032	0.0985	2.4803/2.4810	0.7280
3		MB-2662P(F)		2.2818/2.2826	0.0012/0.0032	0.0985	2.4803/2.4810	0.9820
C/S Forging	035D							



AUDI (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
5 CYL (Cont.)									
5 (Cont.)	1986CC (2.0L) CN SOHC Diesel 5 Cyl (1979-1982)				3.012in./76.5mm x 3.386in./86mm				5 (Cont.)
	1986CC (2.0L) DE SOHC Turbocharged Diesel 5 Cyl (1983-1985)				3.012in./76.5mm x 3.386in./86mm				
	2144CC (2.2L) KH SOHC Turbocharged 5 Cyl (1984-1985)				3.130in./79.5mm x 3.386in./86mm				
	2144CC (2.2L) WU SOHC 5 Cyl (1984)				3.130in./79.5mm x 3.386in./86mm				
	2226CC (2.2L) AAN DOHC Turbocharged 5 Cyl (1992-1995)				3.189in./81mm x 3.386in./86mm				
	2226CC (2.2L) JT/KX Volkswagen 5 Cyl (1984-1987)				3.189in./81mm x 3.386in./86mm				
	2226CC (2.2L) KZ SOHC 5 Cyl (1985-1987)				3.189in./81mm x 3.386in./86mm				
	2226CC (2.2L) MC SOHC Turbocharged 5 Cyl (1986-1991)				3.189in./81mm x 3.386in./86mm				
	2309CC (2.3L) 7A DOHC 5 Cyl (1989-1991)				3.248in./82.5mm x 3.386in./86mm				
2309CC (2.3L) NF SOHC 5 Cyl (1988-1991)				3.248in./82.5mm x 3.386in./86mm					
2309CC (2.3L) NG SOHC 5 Cyl (1988-1992)				3.248in./82.5mm x 3.386in./86mm					
Connecting Rod 22 Lbs.Ft. Plus 90 Degrees (2226CC (2.2L) AAN DOHC,2226CC (2.2L) JT,2226CC (2.2L) KZ SOHC,2226CC (2.2L) MC SOHC,2309CC (2.3L) 7A DOHC,2309CC (2.3L) NF SOHC,2309CC (2.3L) NG SOHC)									
Connecting Rod 33 Lbs.Ft. (1986CC (2.0L) CN SOHC,1986CC (2.0L) DE SOHC)									
Connecting Rod 36 Lbs.Ft. (2144CC (2.2L) KH SOHC,2144CC (2.2L) WU SOHC)									
Main Bearing 47 Lbs.Ft.									
6	2144CC (2.2L) WD SOHC Volkswagen 5 Cyl (1978-1983)				3.130in./79.5mm x 3.386in./86mm				6
	2144CC (2.2L) WK SOHC Turbocharged 5 Cyl (1980-1983)				3.130in./79.5mm x 3.386in./86mm				
Rod Bearing(5)	TM-77	CB-1017P	STD.,.25mm.,.50mm.,.75mm	1.8087/1.8094	0.0016/0.0040	0.0593	1.9291/1.9298	0.7480	
Main Bearing Set 1-2-4-5-6	TM-77	MS-1434P-.25mm		2.2818/2.2826	0.0012/0.0032	0.0985	2.4803/2.4810	0.7280	
3		MB-2661P		2.2818/2.2826	0.0012/0.0032	0.0985	2.4803/2.4810	0.9820	
NOTE: Will Also Service Engines Equipped With Thrust Washers									
C/S Forging 035D									
Connecting Rod 22 Lbs.Ft. Plus 90 Degrees (2144CC (2.2L) WD SOHC)									
Connecting Rod 36 Lbs.Ft. (2144CC (2.2L) WD SOHC,2144CC (2.2L) WK SOHC)									
Main Bearing 47 Lbs.Ft.									
7	2144CC (2.2L) WE Volkswagen 5 Cyl (1978-1984)				3.130in./79.5mm x 3.386in./86mm				7
	2144CC (2.2L) WX SOHC Turbocharged 5 Cyl (1983-1986)				3.130in./79.5mm x 3.386in./86mm				
Rod Bearing(5)	TM-77	CB-1017P	STD.,.25mm.,.50mm.,.75mm	1.8087/1.8094	0.0016/0.0040	0.0593	1.9291/1.9298	0.7480	
NOTE: 2144CC (2.4L) WX SOHC (1983), 2144CC (2.2L) WE (1978-1983)									
Rod Bearing(5)	TM-77	CB-1426P	STD.,.25mm.,.50mm	1.8802/1.8810	0.0009/0.0032	0.0553	1.9921/1.9929	0.7480	
NOTE: 2144CC (2.2L) WX SOHC (1984-1986), 2144CC (2.2L) WE (1984)									
Main Bearing Set 1-2-4-5-6	TM-77	MS-1434P-.25mm		2.2818/2.2826	0.0012/0.0032	0.0985	2.4803/2.4810	0.7280	
3		MB-2661P		2.2818/2.2826	0.0012/0.0032	0.0985	2.4803/2.4810	0.9820	
NOTE: Will Also Service Engines Equipped With Thrust Washers									
C/S Forging 035D									
Connecting Rod 36 Lbs.Ft.									
Main Bearing 47 Lbs.Ft.									
6 CYL									
8	2771CC (2.8L) AHA DOHC V6 Cyl (1998-1999)				3.248in./82.5mm x 3.400in./86.4mm				8
Rod Bearing(6)	TM-1	CB-1823P	STD.,.25mm	2.1243/2.1251	0.0008/0.0027	0.0711	2.2677/2.2682	0.6693	
Main Bearing Set 1-2-3-4	TM-1	MS-2228P	STD						
		MB-3795P		2.5574/2.5582	0.0008/0.0027	0.0987	2.7559/2.7567	0.7087	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-613S									
Thrust Washer Set		TW-613S	STD						
		MB-3796WU		2.7756		0.0774	3.3425		
		MB-3796WL		2.7756		0.0774	3.3425		
NOTE: Contains 4 Pieces, Use With Part Number MS-2228P									



AUSTIN											
ENGINE DATA											
Engine	Years	Bore & Stroke		Block	Engine	Years	Bore & Stroke		Block		
4 CYL					4 CYL (Cont.)						
848CC (0.8L)	1959-1978	2.480in./63mmX2.677in./68mm		1	1070CC (1.1L)	1963-1965	2.795in./71mmX2.677in./68mm		1		
948CC (0.9L)	1958-1964	2.478in./62.9mmX2.992in./76mm		1	1098CC (1.1L)	1962-1978	2.542in./64.6mmX3.307in./84mm		2		
970CC (1.0L)	1963-1965	2.795in./71mmX2.441in./62mm		1	1275CC (1.3L)	1963-1978	2.780in./70.6mmX3.189in./81mm		3		
997CC (1.0L)	1961-1964	2.441in./62mmX3.189in./81mm		1	1798CC (1.8L)	1966-1978	3.160in./80.3mmX3.504in./89mm		4		
998CC (1.0L)	1961-1978	2.542in./64.6mmX2.992in./76mm		1							
MODEL DATA											
Model	Engine	Years	Block	Model	Engine	Years	Block				
1100	1098CC (1.1L)	1963-1974	2	Mini Car	998CC (1.0L)	1968-1978	1				
1300	1275CC (1.3L)	1967-1978	3	Mini Car	1098CC (1.1L)	1965-1978	2				
1800	1798CC (1.8L)	1966-1978	4	Mini Car	1275CC (1.3L)	1969-1978	3				
	1798CC (1.8L)	1964-1978	4	Mini Cooper	997CC (1.0L)	1961-1964	1				
America	1275CC (1.3L)	1968-1972	3	Mini Cooper	998CC (1.0L)	1965-1970	1				
Cooper	998CC (1.0L)	1963-1969	1	Mini Cooper S	970CC (1.0L)	1963-1965	1				
Healey	1275CC (1.3L)	1967-1970	3	Mini Cooper S	998CC (1.0L)	1963-1969	1				
Hornet	848CC (0.8L)	1961-1965	1	Mini Cooper S	1070CC (1.1L)	1963-1965	1				
Hornet	998CC (1.0L)	1961-1969	1	Mini Cooper S	1275CC (1.3L)	1963-1971	3				
Marina	1275CC (1.3L)	1972-1978	3	Mini Moke	848CC (0.8L)	1964-1968	1				
Marina	1798CC (1.8L)	1968-1978	4	Sprite	948CC (0.9L)	1958-1962	1				
Mark II	1098CC (1.1L)	1962-1970	2	Sprite	1098CC (1.1L)	1963-1966	2				
Mark III	1098CC (1.1L)	1962-1970	2	Sprite	1098CC (1.1L)	1962-1970	2				
Mini Car	848CC (0.8L)	1959-1978	1	Sprite	1275CC (1.3L)	1966-1970	3				
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
507	3.189in./81mm	3	17010	2.992in./76mm	1	G-124	2.441in./62mm	1	G-127	3.307in./84mm	2
3596	3.504in./89mm	4	17010	2.677in./68mm	1	G-124	2.677in./68mm	1	G-127	2.441in./62mm	1
3597	3.504in./89mm	4	AEG-521	3.189in./81mm	3	G-124	2.992in./76mm	1	G-127	2.677in./68mm	1
17009	2.992in./76mm	1	G-124	3.189in./81mm	1	G-124	3.189in./81mm	3	G-127	2.992in./76mm	1
17009	2.677in./68mm	1	G-124	3.307in./84mm	2	G-127	3.189in./81mm	1	G-127	3.189in./81mm	3
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
2A-717-A	2.992in./76mm	1	2A-829	2.677in./68mm	1	11G-74	2.992in./76mm	1	BE-53-B	2.992in./76mm	1
2A-717-A	2.677in./68mm	1	11C-74	2.992in./76mm	1	11G-74	2.677in./68mm	1	BE-53-B	2.677in./68mm	1
2A-829	2.992in./76mm	1	11C-74	2.677in./68mm	1	22H1954-A	3.504in./89mm	4			
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL											
1	848CC (0.8L) 4 Cyl (1959-1978)					2.480in./63mm x 2.677in./68mm					1
	948CC (0.9L) 4 Cyl (1958-1964)					2.478in./62.9mm x 2.992in./76mm					
	970CC (1.0L) 4 Cyl (1963-1965)					2.795in./71mm x 2.441in./62mm					
	997CC (1.0L) 4 Cyl (1961-1964)					2.441in./62mm x 3.189in./81mm					
	998CC (1.0L) 4 Cyl (1961-1978)					2.542in./64.6mm x 2.992in./76mm					
	1070CC (1.1L) 4 Cyl (1963-1965)					2.795in./71mm x 2.677in./68mm					
Rod Bearing(4)		VP-2	CB-488P	STD,10,20		1.6254/1.6259	0.0013/0.0033	0.0719	1.7705/1.7710	0.8800	
Rod Forging		17009, 17010, G-124, G-127									
C/S Forging		11C-74, 11G-74, 2A-829, BE-53-B, 2A-717-A									
Connecting Rod		35 Lbs.Ft.									
Main Bearing		60 Lbs.Ft. (970CC (1.0L) ,1070CC (1.1L))									
Main Bearing		60 To 65 Lbs.Ft. (848CC (0.8L) ,948CC (0.9L))									
Main Bearing		70 To 75 Lbs.Ft. (997CC (1.0L) ,998CC (1.0L))									
2	1098CC (1.1L) 4 Cyl (1962-1978)					2.542in./64.6mm x 3.307in./84mm					2
Rod Bearing(4)		VP-2	CB-488P	STD,10,20		1.6254/1.6259	0.0013/0.0033	0.0719	1.7705/1.7710	0.8800	
Cam Bearing Set		B-1	SH-85S	STD							
1						1.6645/1.6650	0.0013/0.0034	0.0640	1.7955/1.7965	1.1300	
2						1.6227/1.6232	0.0011/0.0027	0.0640	1.7535/1.7540	0.7550	
3						1.3727/1.3735	0.0010/0.0030	0.0640	1.5030/1.5040	0.7800	
NOTE: 1964-1978											
Rod Forging		G-124, G-127									



AUSTIN (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
2 (Cont.)	1098CC (1.1L) 4 Cyl (1962-1978)			2.542in./64.6mm x 3.307in./84mm				2 (Cont.)
Connecting Rod	35 Lbs.Ft.							
Main Bearing	70 To 75 Lbs.Ft.							
3	1275CC (1.3L) 4 Cyl (1963-1978)			2.780in./70.6mm x 3.189in./81mm				3
Rod Bearing(4)	VP-2	CB-488P	STD,10,20	1.6254/1.6259	0.0013/0.0033	0.0719	1.7705/1.7710	0.8800
NOTE: Engines With 1.6254"/1.6259" Diameter Shaft								
Rod Bearing(4)	AL-3	CB-931AL	STD	1.7504/1.7509	0.0013/0.0027	0.0716	1.8955/1.8960	0.8500
NOTE: Engines With 1.7504"/1.7509" Diameter Shaft								
Cam Bearing Set	B-1	SH-85S	STD					
1		SH-1001		1.6645/1.6650	0.0013/0.0034	0.0640	1.7955/1.7965	1.1300
2		SH-1002		1.6227/1.6232	0.0011/0.0027	0.0640	1.7535/1.7540	0.7550
3		SH-1006		1.3727/1.3735	0.0010/0.0030	0.0640	1.5030/1.5040	0.7800
NOTE: 1964-1978								
Rod Forging	507, G-124, G-127, AEG-521							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	60 Lbs.Ft.							
4	1798CC (1.8L) 4 Cyl (1966-1978)			3.160in./80.3mm x 3.504in./89mm				4
Rod Bearing(4)	TM-77	CB-792P	STD,10,20,30	1.8759/1.8764	0.0019/0.0039	0.0716	2.0210/2.0215	0.7850
Main Bearing Set	AL-3	MS-914P	STD					
1-3-5		MB-2367P		2.1265/2.1270	0.0013/0.0033	0.0715	2.2710/2.2715	1.1300
2-4		MB-18P		2.1265/2.1270	0.0013/0.0033	0.0715	2.2710/2.2715	0.7700
NOTE: Requires Thrust Washer Set, Not Included								
Rod Forging	3596, 3597							
C/S Forging	22H1954-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							
BMW								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
4 CYL				6 CYL (Cont.)				
1573CC (1.6L) SOHC 8 Valve	1964-1971	3.307in./84mmX2.795in./71mm	1	2788CC (2.8L) SOHC 12 Valve	1969-1981	3.386in./86mmX3.150in./80mm	2	
1766CC (1.8L) SOHC 8 Valve	1980-1984	3.504in./89mmX2.795in./71mm	1	2985CC (3.0L) SOHC 12 Valve	1975-1978	3.504in./89mmX3.150in./80mm	2	
1773CC (1.8L) SOHC 8 Valve	1963-1967	3.307in./84mmX3.150in./80mm	1	3210CC (3.2L) SOHC 12 Valve	1978-1984	3.504in./89mmX3.386in./86mm	2	
1990CC (2.0L) SOHC 8 Valve	1966-1979	3.504in./89mmX3.150in./80mm	1	3430CC (3.4L) SOHC 12 Valve	1985-1993	3.622in./92mmX3.390in./86.1mm	2	
6 CYL								
2494CC (2.5L) SOHC 12 Valve	1969-1971	3.386in./86mmX2.819in./71.6mm	2					
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
2.8 Bavaria	2788CC (2.8L) SOHC 12 Valve	1971	2	1600	1573CC (1.6L) SOHC 8 Valve	1964-1971	1	
318i	1766CC (1.8L) SOHC 8 Valve	1983-1984	1	1800	1773CC (1.8L) SOHC 8 Valve	1963-1967	1	
320i	1766CC (1.8L) SOHC 8 Valve	1980-1983	1	2000	1990CC (2.0L) SOHC 8 Valve	1966-1972	1	
320i	1990CC (2.0L) SOHC 8 Valve	1977-1979	1	2000Tii	1990CC (2.0L) SOHC 8 Valve	1969-1972	1	
528i	2788CC (2.8L) SOHC 12 Valve	1979-1981	2	2002	1990CC (2.0L) SOHC 8 Valve	1968-1976	1	
530i	2985CC (3.0L) SOHC 12 Valve	1975-1978	2	2002A	1990CC (2.0L) SOHC 8 Valve	1976	1	
533i	3210CC (3.2L) SOHC 12 Valve	1980-1984	2	2002Ti	1990CC (2.0L) SOHC 8 Valve	1968-1971	1	
535i	3430CC (3.4L) SOHC 12 Valve	1985-1993	2	2002Tii	1990CC (2.0L) SOHC 8 Valve	1971-1974	1	
535iS	3430CC (3.4L) SOHC 12 Valve	1987-1988	2	2500	2494CC (2.5L) SOHC 12 Valve	1969-1971	2	
630CSI	2985CC (3.0L) SOHC 12 Valve	1977	2		1573CC (1.6L) SOHC 8 Valve	1964-1971	1	
633CSI	3210CC (3.2L) SOHC 12 Valve	1978-1984	2		1990CC (2.0L) SOHC 8 Valve	1965-1976	1	
635CSI	3430CC (3.4L) SOHC 12 Valve	1985-1989	2		2788CC (2.8L) SOHC 12 Valve	1969-1976	2	
735iL	3430CC (3.4L) SOHC 12 Valve	1988-1992	2	L6	3430CC (3.4L) SOHC 12 Valve	1987	2	
735i	3430CC (3.4L) SOHC 12 Valve	1985-1992	2	L7	3430CC (3.4L) SOHC 12 Valve	1986-1987	2	



BMW (Cont.)									
CONNECTING ROD FORGING NUMBERS (Cont.)									
CONNECTING ROD FORGING NUMBERS									
Forging No.	Stroke	Block							
1278848	3.189in./81mm	2							
CRANKSHAFT FORGING NUMBERS									
Forging No.	Stroke	Block	Forging No.	Stroke	Block				
1252126	3.150in./80mm	1	1252126	2.795in./71mm	1				
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL									
1	1573CC (1.6L) SOHC 8 Valve 4 Cyl (1964-1971)					3.307in./84mm x 2.795in./71mm			1
	1766CC (1.8L) SOHC 8 Valve 4 Cyl (1980-1984)					3.504in./89mm x 2.795in./71mm			
	1773CC (1.8L) SOHC 8 Valve 4 Cyl (1963-1967)					3.307in./84mm x 3.150in./80mm			
	1990CC (2.0L) SOHC 8 Valve 4 Cyl (1966-1979)					3.504in./89mm x 3.150in./80mm			
Rod Bearing(4)	TM-77	CB-809P	STD.,25mm,.50mm		1.8888/1.8894	0.0013/0.0033	0.0785	2.0472/2.0476	0.7870
Main Bearing Set	TM-77	MS-926P	.25mm						
1-2-4-5		MB-76P			2.1642/2.1649	0.0016/0.0040	0.0980	2.3622/2.3629	0.9450
3		MB-77P(F)			2.1642/2.1649	0.0016/0.0040	0.0980	2.3622/2.3629	1.1790
NOTE: .25mm Undersize Sets Contain .10mm Oversize Length Flanged Bearing									
C/S Forging	1252126								
Connecting Rod	38 To 41 Lbs.Ft.								
Main Bearing	42 To 46 Lbs.Ft.								
6 CYL									
2	2494CC (2.5L) SOHC 12 Valve 6 Cyl (1969-1971)					3.386in./86mm x 2.819in./71.6mm			2
	2788CC (2.8L) SOHC 12 Valve 6 Cyl (1969-1981)					3.386in./86mm x 3.150in./80mm			
	2985CC (3.0L) SOHC 12 Valve 6 Cyl (1975-1978)					3.504in./89mm x 3.150in./80mm			
	3210CC (3.2L) SOHC 12 Valve 6 Cyl (1978-1984)					3.504in./89mm x 3.386in./86mm			
	3430CC (3.4L) SOHC 12 Valve 6 Cyl (1985-1993)					3.622in./92mm x 3.390in./86.1mm			
Rod Bearing(6)	TM-77	CB-809P	STD.,25mm,.50mm		1.8888/1.8894	0.0013/0.0033	0.0785	2.0472/2.0476	0.7870
NOTE: 2494CC (2.5L) SOHC 12 Valve (1969-1971), 2788CC (2.8L) SOHC 12 Valve (1969-1971;1979-1981), 2985CC (3.0L) SOHC 12 Valve (1975-1978), 3210CC (3.2L) SOHC 12 Valve (1978-1984), 3430CC (3.4L) SOHC 12 Valve (1985-1993)									
Connecting Rod	15 Lbs.Ft. Plus 70 Degrees								
BENDIX-WESTINGHOUSE AIR									
ENGINE DATA									
Engine	Years		Block	Engine	Years		Block		
2 CYL				4 CYL					
10 CID (0.2L) Bendix Westinghouse Air Conditioning			1	33 CID/541CC (0.5L) Bendix Westinghouse Air Conditioning			4		
13 CID (0.2L) Bendix Westinghouse Air Conditioning			2						
16 CID (0.3L) Bendix Westinghouse Air Conditioning			3						
17 CID (0.3L) Bendix Westinghouse Air Conditioning			2						
20 CID (0.3L) Bendix Westinghouse Air Conditioning			2						
MODEL DATA									
Model	Engine	Years	Block	Model	Engine	Years	Block		
2U-7-1/4	10 CID (0.2L) Bendix Westinghouse Air Conditioning		1	TU-FLO 400	10 CID (0.2L) Bendix Westinghouse Air Conditioning		1		
3U-12	13 CID (0.2L) Bendix Westinghouse Air Conditioning		2	TU-FLO 500	17 CID (0.3L) Bendix Westinghouse Air Conditioning		2		
Compressor TU-501	16 CID (0.3L) Bendix Westinghouse Air Conditioning		3	TU-FLO 600	20 CID (0.3L) Bendix Westinghouse Air Conditioning		2		
E	17 CID (0.3L) Bendix Westinghouse Air Conditioning		2	TU-FLO 1000	33 CID/541CC (0.5L) Bendix Westinghouse Air Conditioning		4		
F12	17 CID (0.3L) Bendix Westinghouse Air Conditioning		2	U	10 CID (0.2L) Bendix Westinghouse Air Conditioning		1		

BENDIX-WESTINGHOUSE AIR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
2 CYL								
1	10 CID (0.2L) Bendix Westinghouse Air Conditioning 2 Cyl			2.062in./52.4mm x 1.500in./38.1mm				1
Rod Bearing(2)	B-1	CB-504B	STD,10,20,30	1.1242/1.1250	0.0006/0.0025	0.0522	1.2295/1.2300	0.7950
NOTE: Connecting Rod Forging Number 223070								
Rod Bearing(2)	B-1	CB-656B	STD,10,20,30	1.1242/1.1250	0.0006/0.0025	0.0522	1.2295/1.2300	0.7410
NOTE: Connecting Rod Forging Number 228199								
2	13 CID (0.2L) Bendix Westinghouse Air Conditioning 2 Cyl 17 CID (0.3L) Bendix Westinghouse Air Conditioning 2 Cyl 20 CID (0.3L) Bendix Westinghouse Air Conditioning 2 Cyl			2.188in./55.6mm x 1.690in./42.9mm 2.500in./63.5mm x 1.690in./42.9mm 2.750in./69.9mm x 1.690in./42.9mm				2
Rod Bearing(2)	B-1	CB-505B	STD,10,20	1.1242/1.1250	0.0006/0.0025	0.0522	1.2295/1.2300	0.9830
NOTE: Single Locking Lip Type								
Rod Bearing(2)	B-1	CB-673B	STD,10,20,30	1.1242/1.1250	0.0006/0.0025	0.0522	1.2295/1.2300	0.9290
NOTE: Double Locking Lip Type								
3	16 CID (0.3L) Bendix Westinghouse Air Conditioning 2 Cyl			2.625in./66.7mm x 1.500in./38.1mm				3
Rod Bearing(2)	B-2	CB-1221M	STD,10,20,30	1.1242/1.1250	0.0008/0.0032	0.0521	1.2295/1.2305	0.6300
4 CYL								
4	33 CID/541CC (0.5L) Bendix Westinghouse Air Conditioning 4 Cyl			2.500in./63.5mm x 1.690in./42.9mm				4
Rod Bearing(4)	AL-3	CB-1211AL	STD,10,20	1.1242/1.1250	0.0010/0.0028	0.0525	1.2295/1.2300	0.4690

BERTONE								
ENGINE DATA								
Engine	Years	Bore & Stroke		Block				
1498CC (1.5L) SOHC Fiat	1984-1989	3.402in./86.4mmX2.520in./64mm		1				
MODEL DATA								
Model	Engine	Years		Block				
X-1/9	1498CC (1.5L) SOHC Fiat	1984-1989		1				
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	1498CC (1.5L) SOHC Fiat 4 Cyl (1984-1989)			3.402in./86.4mm x 2.520in./64mm				1
Rod Bearing(4)	AL-3	CB-1332AL	STD,10	1.7916/1.7924	0.0012/0.0033	0.0607	1.9145/1.9152	0.7560
Connecting Rod	38 Lbs.Ft.							
Main Bearing	59 Lbs.Ft.							

BUDA								
ENGINE DATA								
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block	
1 CYL				4 CYL (Cont.)				
1BD38 38 CID/624CC (0.62L) Diesel	3.438in./87.3mmX4.125in./104.8mm		1	4DA182 182 CID (3.0L)	3.750in./95.3mmX4.125in./104.8mm		2	
4 CYL				4G153 153 CID (2.5L)	3.438in./87.3mmX4.125in./104.8mm		2	
				HD344 344 CID (5.6L) Diesel	4.438in./112.7mmX5.563in./141.3mm		4	
4B127 153 CID (2.5L)	3.438in./87.3mmX4.125in./104.8mm		2	6 CYL				
4B153 153 CID (2.5L)	3.438in./87.33mmX4.125in./104.8mm		2	6B230 230 CID (3.8L)	3.438in./87.33mmX4.125in./104.8mm		5	
4B157 153 CID (2.5L)	3.438in./87.3mmX4.125in./104.8mm		2	6B230 230 CID (3.8L) LPG	3.438in./87.33mmX4.125in./104.8mm		5	
4B158 153 CID (2.5L)	3.438in./87.3mmX4.125in./104.8mm		2	6B262 262 CID (4.3L) Flex	3.562in./90.5mmX4.375in./111.1mm		5	
4B182 182 CID (3.0L)	3.750in./95.3mmX4.125in./104.8mm		2	6B273 273 CID (4.5L)	3.750in./95.3mmX4.125in./104.8mm		5	
4BD153 153 CID (2.5L) Diesel	3.438in./87.33mmX4.125in./104.8mm		2	6BD230 230 CID (3.8L) Diesel	3.438in./87.33mmX4.125in./104.8mm		5	
4BD175 175 CID (2.9L) Diesel	3.563in./90.5mmX4.375in./111.1mm		3	6BD273 273 CID (4.5L)	3.750in./95.3mmX4.125in./104.8mm		5	
4BD182 182 CID (3.0L)	3.750in./95.3mmX4.125in./104.8mm		2	6D230 230 CID (3.8L) Diesel	3.438in./87.33mmX4.125in./104.8mm		5	
4D153 153 CID (2.5L) Diesel	3.438in./87.33mmX4.125in./104.8mm		2	6D262 262 CID (4.3L) Diesel	3.562in./90.5mmX4.375in./111.1mm		5	
4D175 175 CID (2.9L) Diesel	3.563in./90.5mmX4.375in./111.1mm		3	6D273 273 CID (4.5L) Diesel	3.750in./95.3mmX4.125in./104.8mm		6	
4D344 344 CID (5.6L) Diesel	4.438in./112.7mmX5.563in./141.3mm		4	6D516 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm		7	
4D1344 344 CID (5.6L) Diesel	4.438in./112.7mmX5.563in./141.3mm		4	6D1516 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm		7	
4DA153 153 CID (2.5L) Diesel	3.438in./87.33mmX4.125in./104.8mm		2	6DA230 230 CID (3.8L) Diesel	3.438in./87.33mmX4.125in./104.8mm		5	
4DA175 175 CID (2.9L) Diesel	3.563in./90.5mmX4.375in./111.1mm		3					



BUDA (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
6DA262 262 CID (4.3L) Diesel	3.562in./90.5mmX4.375in./111.1mm	5	6G262 262 CID (4.3L)	3.562in./90.5mmX4.375in./111.1mm	5
6DA273 273 CID (4.5L) Diesel	3.750in./95.3mmX4.125in./104.8mm	5	6G262 262 CID (4.3L) LPG	3.562in./90.5mmX4.375in./111.1mm	5
6DD262 262 CID (4.3L) Diesel	3.562in./90.5mmX4.375in./111.1mm	5	ADS516 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	7
6DT262T 262 CID (4.3L)	3.562in./90.5mmX4.375in./111.1mm	5	HD516 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	7
6G230 230 CID (3.8L)	3.438in./87.3mmX4.125in./104.8mm	5	TDS516 516 CID (8.5L) Diesel	4.438in./112.7mmX5.563in./141.3mm	7

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
4349339	5.563in./141.3mm	4	4500141	4.125in./104.8mm	2	4500141	4.125in./104.8mm	5	4500141	4.125in./104.8mm	6
4349339	5.563in./141.3mm	7	4500141	4.375in./111.1mm	3	4500141	4.375in./111.1mm	5	B-5708	4.125in./104.8mm	2

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
4303200	4.125in./104.8mm	2	4502107	4.125in./104.8mm	6	4512978	4.125in./104.8mm	2	B-2097W	4.375in./111.1mm	3
4347501	5.563in./141.3mm	7	4503200	4.125in./104.8mm	2	4514465	4.125in./104.8mm	5	B-2106	4.125in./104.8mm	5
4348399	5.563in./141.3mm	4	4503200	4.375in./111.1mm	3	4514465	4.375in./111.1mm	5	B-2106	4.375in./111.1mm	5
4348425	5.563in./141.3mm	4	4505959	4.125in./104.8mm	5	4514465	4.125in./104.8mm	6	B-2106	4.125in./104.8mm	6
4348525	5.563in./141.3mm	4	4505959	4.375in./111.1mm	5	4514467	4.125in./104.8mm	5	B-2107	4.125in./104.8mm	5
4502106	4.125in./104.8mm	5	4505959	4.125in./104.8mm	6	4514467	4.375in./111.1mm	5	B-2107	4.375in./111.1mm	5
4502106	4.375in./111.1mm	5	4507700	4.125in./104.8mm	5	4514467	4.125in./104.8mm	6	B-2107	4.125in./104.8mm	6
4502106	4.125in./104.8mm	6	4507700	4.375in./111.1mm	5	B-769	4.125in./104.8mm	1	B-3200	4.125in./104.8mm	2
4502107	4.125in./104.8mm	5	4507700	4.125in./104.8mm	6	B-1937	4.125in./104.8mm	1	B-3200	4.375in./111.1mm	3
4502107	4.375in./111.1mm	5	4512316	4.125in./104.8mm	2	B-2097W	4.125in./104.8mm	2	B-5960	4.375in./111.1mm	3

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

1 CYL

1	38 CID/624CC (0.62L) 1BD38 Diesel 1 Cyl				3.438in./87.3mm x 4.125in./104.8mm			1
Rod Bearing	TM-112	CB-458P	STD,2,10,20,30,40	1.9975/1.9985	0.0016/0.0041	0.0802	2.1600/2.1605	1.2500
C/S Forging	B-769, B-1937							

4 CYL

2	153 CID (2.5L) 4B127,4B157,4B158 4 Cyl				3.438in./87.3mm x 4.125in./104.8mm			2
	153 CID (2.5L) 4B153,4G153 4 Cyl				3.438in./87.33mm x 4.125in./104.8mm			
	153 CID (2.5L) 4BD153,4D153,4DA153 Diesel 4 Cyl				3.438in./87.33mm x 4.125in./104.8mm			
	182 CID (3.0L) 4B182,4BD182,4DA182 4 Cyl				3.750in./95.3mm x 4.125in./104.8mm			
Rod Bearing(4)	TM-112	CB-458P	STD,2,10,20,30,40	1.9975/1.9985	0.0016/0.0041	0.0802	2.1600/2.1605	1.2500
Main Bearing Set	TM-112	MS-226P	STD,10,20,30					
1		MB-1669P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.2550
2		MB-1671P(F)		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.8720
3		MB-1681P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.7550
Cam Bearing Set	B-1	SH-386S	STD					
1		SH-386		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	1.1300
2-3		SH-387		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	0.8800
4		SH-388		1.2480/1.2490	0.0020/0.0050	0.0615	1.3740/1.3750	1.0100
Piston Pin Bushing(4)	C-1	223-3507	STD			0.0730	1.1270/1.1275	1.2560
NOTE: Requires Boring								
Rod Forging	B-5708, 4500141							
C/S Forging	B-3200, 4303200, 4503200, 4512316, 4512978, B-2097W							
Connecting Rod	50 To 60 Lbs.Ft.							
Main Bearing	125 To 135 Lbs.Ft.							

3	175 CID (2.9L) 4BD175,4D175,4DA175 Diesel 4 Cyl				3.563in./90.5mm x 4.375in./111.1mm			3
Rod Bearing(4)	TM-112	CB-458P	STD,2,10,20,30,40	1.9975/1.9985	0.0016/0.0041	0.0802	2.1600/2.1605	1.2500
Main Bearing Set	TM-112	MS-399P	STD,10,20,30					
1		MB-1669P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.2550
2-4		MB-1670P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.1300
3		MB-1671P(F)		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.8720
5		MB-1681P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.7550



BUDA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
3 (Cont.)	175 CID (2.9L) 4BD175,4D175,4DA175 Diesel 4 Cyl			3.563in./90.5mm x 4.375in./111.1mm				3 (Cont.)
Cam Bearing Set	B-1	SH-386S	STD					
1		SH-386		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	1.1300
2-3		SH-387		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	0.8800
4		SH-388		1.2480/1.2490	0.0020/0.0050	0.0615	1.3740/1.3750	1.0100
Rod Forging	4500141							
C/S Forging	B-3200, B-5960, 4503200, B-2097W							
Connecting Rod	50 To 60 Lbs.Ft.							
Main Bearing	125 To 135 Lbs.Ft.							
4	344 CID (5.6L) 4D1344,4D344,HD344 Diesel 4 Cyl			4.438in./112.7mm x 5.563in./141.3mm				4
Rod Bearing(4)	TM-112	CB-700P	STD,10,20,30,40	2.7715/2.7725	0.0025/0.0050	0.1253	3.0250/3.0255	1.3700
NOTE: Engines Requiring Bearings With Round Oil Hole								
Rod Bearing(4)	TM-112	CB-1369P	STD,10	2.7715/2.7725	0.0020/0.0050	0.1253	3.0250/3.0255	1.3700
NOTE: Engines Requiring Bearings With Offset Oil Slot								
Main Bearing Set	TM-112	MS-1632P	STD,10,20					
1-2-4		MB-2967P		3.4980/3.4990	0.0023/0.0050	0.1554	3.8118/3.8125	1.3570
3		MB-2096W		3.5630/3.5730			4.6875	0.2020
5		MB-2300P		3.4980/3.4990	0.0023/0.0050	0.1554	3.8118/3.8125	2.0000
NOTE: Engines Requiring Bearings With Oil Slot, Contains 4 Piece Thrust Washer Set, Use In Number 3 Position,Contains Straight Shell Bearings								
Thrust Washer Set		TW-411S	STD					
		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 3								
Rod Forging	4349339							
C/S Forging	4348399, 4348425, 4348525							
Connecting Rod	120 To 130 Lbs.Ft.							
Main Bearing	160 To 170 Lbs.Ft. (5/8" Bolts)							
Main Bearing	210 To 230 Lbs.Ft. (3/4" Bolts)							
6 CYL								
5	230 CID (3.8L) 6B230,6G230 6 Cyl			3.438in./87.33mm x 4.125in./104.8mm				5
	230 CID (3.8L) 6B230 LPG 6 Cyl			3.438in./87.33mm x 4.125in./104.8mm				
	230 CID (3.8L) 6BD230,6D230,6DA230 Diesel 6 Cyl			3.438in./87.33mm x 4.125in./104.8mm				
	262 CID (4.3L) 6B262 Flex 6 Cyl			3.562in./90.5mm x 4.375in./111.1mm				
	262 CID (4.3L) 6D262,6DA262,6DD262 Diesel 6 Cyl			3.562in./90.5mm x 4.375in./111.1mm				
	262 CID (4.3L) 6DT262T,6G262 6 Cyl			3.562in./90.5mm x 4.375in./111.1mm				
	262 CID (4.3L) 6G262 LPG 6 Cyl			3.562in./90.5mm x 4.375in./111.1mm				
	273 CID (4.5L) 6B273,6BD273 6 Cyl			3.750in./95.3mm x 4.125in./104.8mm				
273 CID (4.5L) 6DA273 Diesel 6 Cyl			3.750in./95.3mm x 4.125in./104.8mm					
Rod Bearing(6)	TM-112	CB-458P	STD,2,10,20,30,40	1.9975/1.9985	0.0016/0.0041	0.0802	2.1600/2.1605	1.2500
Main Bearing Set	TM-112	MS-227P	STD,10,20,30					
1		MB-1669P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.2550
2-3-5-6		MB-1670P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.1300
4		MB-1671P(F)		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.8720
7		MB-1681P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.7550
Cam Bearing Set	B-1	SH-386S	STD					
1		SH-386		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	1.1300
2-3		SH-387		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	0.8800
4		SH-388		1.2480/1.2490	0.0020/0.0050	0.0615	1.3740/1.3750	1.0100
Piston Pin Bushing(6)	C-1	223-3507	STD			0.0730	1.1270/1.1275	1.2560
NOTE: Requires Boring								
Rod Forging	4500141							
C/S Forging	B-2106, B-2107, 4502106, 4502107, 4505959, 4507700, 4514465, 4514467							
Connecting Rod	50 To 60 Lbs.Ft.							
Main Bearing	125 To 135 Lbs.Ft.							
6	273 CID (4.5L) 6D273 Diesel 6 Cyl			3.750in./95.3mm x 4.125in./104.8mm				6
Rod Bearing(6)	TM-112	CB-458P	STD,2,10,20,30,40	1.9975/1.9985	0.0016/0.0041	0.0802	2.1600/2.1605	1.2500



BUDA (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
6 (Cont.)	273 CID (4.5L) 6D273 Diesel 6 Cyl			3.750in./95.3mm x 4.125in./104.8mm					6 (Cont.)
Main Bearing Set	TM-112	MS-227P	STD,10,20,30						
1		MB-1669P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.2550	
2-3-5-6		MB-1670P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.1300	
4		MB-1671P(F)		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.8720	
7		MB-1681P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.7550	
Cam Bearing Set	B-1	SH-386S	STD						
1		SH-386		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	1.1300	
2-3		SH-387		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	0.8800	
4		SH-388		1.2480/1.2490	0.0020/0.0050	0.0615	1.3740/1.3750	1.0100	
Rod Forging	4500141								
C/S Forging	B-2106, B-2107, 4502106, 4502107, 4505959, 4507700, 4514465, 4514467								
Connecting Rod	50 To 60 Lbs.Ft.								
Main Bearing	125 To 135 Lbs.Ft.								
7	516 CID (8.5L) 6D1516,6D516,ADS516,HD516,TDS516 Diesel 6 Cyl			4.438in./112.7mm x 5.563in./141.3mm					7
Rod Bearing(6)	TM-112	CB-700P	STD,10,20,30,40	2.7715/2.7725	0.0025/0.0050	0.1253	3.0250/3.0255	1.3700	
NOTE: Engines Requiring Bearings With Round Oil Hole									
Rod Bearing(6)	TM-112	CB-1369P	STD,10	2.7715/2.7725	0.0020/0.0050	0.1253	3.0250/3.0255	1.3700	
NOTE: Engines Requiring Bearings With Offset Oil Slot									
Main Bearing Set	TM-112	MS-1619P	STD,10,20						
1-2-3-5-6		MB-2967P		3.4980/3.4990	0.0023/0.0050	0.1554	3.8118/3.8125	1.3570	
4		MB-2096W		3.5630/3.5730			4.6875	0.2020	
7		MB-2300P		3.4980/3.4990	0.0023/0.0050	0.1554	3.8118/3.8125	2.0000	
NOTE: Engines Requiring Bearings With Oil Slot, Contains 4 Piece Thrust Washer Set, Use In Number 4 Position,Contains Straight Shell Bearings									
Rod Forging	4349339								
C/S Forging	4347501								
Connecting Rod	120 To 130 Lbs.Ft.								
Main Bearing	160 To 170 Lbs.Ft. (5/8" Bolts)								
Main Bearing	210 To 230 Lbs.Ft. (3/4" Bolts)								
CASE									
ENGINE DATA									
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block				
3 CYL			4 CYL (Cont.)						
3-290 Cummins 180 CID (3.0L) Diesel	4.016in./102mmX4.724in./120mm	1	284G 284 CID (4.7L)	4.250in./108mmX5.000in./127mm	15				
3T-290 Cummins 180 CID (3.0L) Diesel	4.016in./102mmX4.724in./120mm	1	301B 301 CID (4.9L) Diesel	4.375in./111.1mmX5.000in./127mm	15				
Turbocharged			301BG 301 CID (4.9L)	4.375in./111.1mmX5.000in./127mm	15				
B Series (2.9L) Cummins 180 CID	4.016in./102mmX4.724in./120mm	1	336B 336 CID (5.5L) Diesel	4.625in./117.5mmX5.000in./127mm	16				
(3.0L) Diesel			336BD 336 CID (5.5L) Diesel	4.625in./117.5mmX5.000in./127mm	16				
			336BDT 336 CID (5.5L) Diesel	4.625in./117.5mmX5.000in./127mm	16				
			Turbocharged						
4-390 Cummins 239 CID (3.9L) Diesel	4.016in./102mmX4.724in./120mm	14	207 CID (3.4L) Diesel	4.000in./101.6mmX4.125in./104.8mm	13				
4T-390 Cummins 239 CID (3.9L) Diesel	4.016in./102mmX4.724in./120mm	14	301 CID (4.9L) Diesel	4.375in./111.1mmX5.000in./127mm	15				
Turbocharged			A251 251 CID (4.1L)	4.000in./101.6mmX5.000in./127mm	15				
124 124 CID (2.0L)	3.250in./82.6mmX3.750in./95.3mm	5	A251 251 CID (4.1L) LPG	4.000in./101.6mmX5.000in./127mm	15				
148G 148 CID (2.4L)	3.375in./85.7mmX4.125in./104.8mm	8	A251G 251 CID (4.1L)	4.000in./101.6mmX5.000in./127mm	15				
159 159 CID (2.6L)	3.500in./88.9mmX4.125in./104.8mm	9	A251LP 251 CID (4.1L)	4.000in./101.6mmX5.000in./127mm	15				
159B 159 CID (2.6L)	3.500in./88.9mmX4.125in./104.8mm	9	A251S 251 CID (4.1L)	4.000in./101.6mmX5.000in./127mm	15				
159G 159 CID (2.6L)	3.500in./88.9mmX4.125in./104.8mm	9	A267 267 CID (4.4L) Diesel	4.125in./104.8mmX5.000in./127mm	15				
188 188 CID (3.1L) LPG	3.813in./96.9mmX4.125in./104.8mm	10	A267BD 267 CID (4.4L) Diesel	4.125in./104.8mmX5.000in./127mm	15				
188S 188 CID (3.1L)	3.813in./96.9mmX4.125in./104.8mm	10	A267D 267 CID (4.4L) Diesel	4.125in./104.8mmX5.000in./127mm	15				
201 201 CID (3.3L)	3.938in./100mmX4.125in./104.8mm	12	A284G 284 CID (4.7L)	4.250in./108mmX5.000in./127mm	15				
207DT 207 CID (3.4L) Diesel	4.000in./101.6mmX4.125in./104.8mm	13	A284LP 284 CID (4.7L)	4.250in./108mmX5.000in./127mm	15				
Turbocharged			A284S 284 CID (4.7L)	4.250in./108mmX5.000in./127mm	15				
251 251 CID (4.1L)	4.000in./101.6mmX5.000in./127mm	15	A284S 284 CID (4.7L) CNG	4.250in./108mmX5.000in./127mm	15				
251B 251 CID (4.1L)	4.000in./101.6mmX5.000in./127mm	15	A284S 284 CID (4.7L) LPG	4.250in./108mmX5.000in./127mm	15				
251BG 251 CID (4.1L)	4.000in./101.6mmX5.000in./127mm	15	A301 301 CID (4.9L) Diesel	4.375in./111.1mmX5.000in./127mm	15				
251D 251 CID (4.1L) Diesel	4.000in./101.6mmX5.000in./127mm	15	A301BD 301 CID (4.9L) Diesel	4.375in./111.1mmX5.000in./127mm	15				
267 267 CID (4.4L) Diesel	4.125in./104.8mmX5.000in./127mm	15	A301D 301 CID (4.9L) Diesel	4.375in./111.1mmX5.000in./127mm	15				
267B 267 CID (4.4L) Diesel	4.125in./104.8mmX5.000in./127mm	15							



CASE (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL (Cont.)			6 CYL (Cont.)		
B Series (3.9L) Cummins 239 CID (3.9L) Diesel	4.016in./102mmX4.724in./120mm	14	401D 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	18
F124 Continental 124 CID (2.0L)	3.000in./76.2mmX4.375in./111.1mm	6	504 504 CID (8.3L) Diesel	4.625in./117.5mmX5.000in./127mm	19
F140 Continental 140 CID (2.3L)	3.188in./80.98mmX4.375in./111.1mm	7	504B 504 CID (8.3L) Diesel	4.625in./117.5mmX5.000in./127mm	19
G126 126 CID (2.1L)	3.125in./79.4mmX4.125in./104.8mm	5	504D 504 CID (8.3L) Diesel	4.625in./117.5mmX5.000in./127mm	19
G148 148 CID (2.4L)	3.375in./85.7mmX4.125in./104.8mm	8	504DT 504 CID (8.3L) Diesel	4.625in./117.5mmX5.000in./127mm	19
G148 148 CID (2.4L) LPG	3.375in./85.7mmX4.125in./104.8mm	8	Turbocharged		
G148B 148 CID (2.4L)	3.375in./85.7mmX4.125in./104.8mm	8	504DTI 504 CID (8.3L) Diesel	4.625in./117.5mmX5.000in./127mm	19
G159 159 CID (2.6L)	3.500in./88.9mmX4.125in./104.8mm	9	Turbocharged		
G159 159 CID (2.6L) LPG	3.500in./88.9mmX4.125in./104.8mm	9	451 CID (7.4L) Diesel	4.375in./111.1mmX5.000in./127mm	18
G159B 159 CID (2.6L)	3.500in./88.9mmX4.125in./104.8mm	9	A377 377 CID (6.2L) CNG	4.000in./101.6mmX5.000in./127mm	18
G164 164 CID (2.7L)	3.563in./90.5mmX4.125in./104.8mm	9	A377D 377 CID (6.2L) Diesel	4.000in./101.6mmX5.000in./127mm	18
G164 164 CID (2.7L) LPG	3.563in./90.5mmX4.125in./104.8mm	9	A377G 377 CID (6.2L)	4.000in./101.6mmX5.000in./127mm	18
G188 188 CID (3.1L)	3.813in./96.9mmX4.125in./104.8mm	10	A377LP 377 CID (6.2L)	4.000in./101.6mmX5.000in./127mm	18
G188B 188 CID (3.1L)	3.813in./96.9mmX4.125in./104.8mm	10	A377S 377 CID (6.2L) LPG	4.000in./101.6mmX5.000in./127mm	18
G188D 188 CID (3.1L) Diesel	3.813in./96.9mmX4.125in./104.8mm	11	A401 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	18
G207D 207 CID (3.4L) Diesel	4.000in./101.6mmX4.125in./104.8mm	13	A401BD 451 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	18
VA124 124 CID (2.0L)	3.250in./82.6mmX3.750in./95.3mm	5	A401BDT 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	18
VAE 124 CID (2.0L)	3.250in./82.6mmX3.750in./95.3mm	5	Turbocharged		
VF4 Wisconsin 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	3	A401D 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	18
VH4D Wisconsin 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	4	A451BD 451 CID (7.4L) Diesel	4.375in./111.1mmX5.000in./127mm	18
W106 106 CID (1.7L)	3.000in./76.2mmX3.750in./95.3mm	2	A451BDT 451 CID (7.4L) Diesel	4.375in./111.1mmX5.000in./127mm	18
			Turbocharged		
			A451D 451 CID (7.4L) Diesel	4.375in./111.1mmX5.000in./127mm	18
			A504BD 504 CID (8.3L) Diesel	4.625in./117.5mmX5.000in./127mm	19
			A504BDT 504 CID (8.3L) Diesel	4.625in./117.5mmX5.000in./127mm	19
			Turbocharged		
			A504BDTI 504 CID (8.3L) Diesel	4.625in./117.5mmX5.000in./127mm	19
			Turbocharged		
6-590 Cummins 359 CID (5.9L) Diesel	4.016in./102mmX4.724in./120mm	17	B Series (5.9L) Cummins 359 CID (5.9L) Diesel	4.016in./102mmX4.724in./120mm	17
6T-590 Cummins 359 CID (5.9L) Diesel	4.016in./102mmX4.724in./120mm	17			
Turbocharged			C Series Cummins 505 CID (8.3L) Diesel	4.490in./114mmX5.320in./135.1mm	20
377 377 CID (6.2L)	4.000in./101.6mmX5.000in./127mm	18			
377BG 377 CID (6.2L)	4.000in./101.6mmX5.000in./127mm	18			
401 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	18			
401B 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	18			
401BD 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	18			
401BDT 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	18			
Turbocharged					

MODEL DATA

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
77 Base Model	Combine	126 CID (2.1L) G126	5	301 Base Model	Combine	251 CID (4.1L) A251	15
77 Base Model	Combine	148 CID (2.4L) G148	8	302 Base Model	Combine	251 CID (4.1L) A251	15
80 Base Model	Combine	126 CID (2.1L) G126	5	310 Base Model	Wheel Tractor	148 CID (2.4L) G148	8
80 Base Model	Combine	148 CID (2.4L) G148	8	310 Base Model	Crawler	188 CID (3.1L) G188D Diesel	11
110 Base Model	Combine	124 CID (2.0L) VAE	5	310 Base Model	Crawler	207 CID (3.4L) G207D Diesel	13
120 Base Model	Combine	251 CID (4.1L) A251	15	310B Base Model	Wheel Tractor	148 CID (2.4L) G148	8
120 Base Model	Combine	267 CID (4.4L) A267BD Diesel	15	310B Base Model	Crawler	188 CID (3.1L) G188D Diesel	11
150 Base Model	Combine	251 CID (4.1L) A251	15	310C Base Model	Crawler	148 CID (2.4L) G148	8
188D Type 11	Power Unit	188 CID (3.1L) G188D Diesel	11	310D Base Model	Wheel Tractor	148 CID (2.4L) G148B	8
188G Type 11	Power Unit	188 CID (3.1L) G188B	10	310D Type 111	Power Unit	301 CID (4.9L) A301D Diesel	15
200 Base Model	Wheel Tractor	126 CID (2.1L) G126	5	310E Base Model	Wheel Tractor	148 CID (2.4L) G148B	8
200 Base Model	Wheel Tractor	148 CID (2.4L) G148	8	310E Base Model	Picker	188 CID (3.1L) G188D Diesel	11
200B Base Model	Lawn Tractor	126 CID (2.1L) G126	5	310E Base Model	Picker	207 CID (3.4L) G207D Diesel	13
210B Base Model	Lawn Tractor	126 CID (2.1L) G126	5	310F Base Model	Crawler	148 CID (2.4L) G148B	8
210B Base Model	Wheel Tractor	148 CID (2.4L) G148	8	310F Base Model	Picker	188 CID (3.1L) G188D Diesel	11
211B Base Model	Lawn Tractor	126 CID (2.1L) G126	5	310F Base Model	Picker	207 CID (3.4L) G207D Diesel	13
256 Base Model	Crawler	140 CID (2.3L) F140 Continental	7	310G Base Model	Crawler	148 CID (2.4L) G148B	8
284G Type 111	Power Unit	284 CID (4.7L) A284S	15	310G Base Model	Picker	188 CID (3.1L) G188D Diesel	11
284L Type 111	Power Unit	284 CID (4.7L) A284S	15	310G Base Model	Picker	207 CID (3.4L) G207D Diesel	13
284N Type 111	Power Unit	284 CID (4.7L) A284S	15	310G Base Model	Picker	148 CID (2.4L) G148B	8
300 Base Model	Wheel Tractor	148 CID (2.4L) G148	8	310G Base Model	Picker	188 CID (3.1L) G188D Diesel	11
300 Base Model	Combine	251 CID (4.1L) A251	15	310G Base Model	Picker	207 CID (3.4L) G207D Diesel	13
300 Base Model	Skidder	336 CID (5.5L) 336BD Diesel	16	311 Base Model	Wheel Tractor	148 CID (2.4L) G148	8
300B Base Model	Wheel Tractor	148 CID (2.4L) G148	8				
300C Base Model	Skidder	336 CID (5.5L) 336BDT Diesel	16				



CASE (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
311B Base Model	Wheel Tractor	148 CID (2.4L) G148	8	420BD Base Model	Wheel Tractor	148 CID (2.4L) G148B	8
311B Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11	420BG Base Model	Crawler	148 CID (2.4L) G148B	8
312 Base Model	Wheel Tractor	148 CID (2.4L) G148	8	420C Base Model	Crawler	148 CID (2.4L) G148	8
320 Base Model	Crawler	148 CID (2.4L) G148	8	420C Base Model	Picker	188 CID (3.1L) G188D Diesel	11
320 Base Model	Crawler	188 CID (3.1L) G188D Diesel	11	420C Base Model	Picker	207 CID (3.4L) G207D Diesel	13
320B Base Model	Wheel Tractor	148 CID (2.4L) G148	8	420CK Base Model	Wheel Tractor	148 CID (2.4L) G148	8
320B Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11	425 Base Model	Wheel Tractor	148 CID (2.4L) G148	8
330 Base Model	Wheel Tractor	148 CID (2.4L) G148	8	425 Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11
330 Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11	430 Base Model	Crawler	148 CID (2.4L) G148B	8
350 Base Model	Wheel Tractor	164 CID (2.7L) G164	9	430 Base Model	Crawler	188 CID (3.1L) G188D Diesel	11
350 Base Model	Picker	188 CID (3.1L) G188D Diesel	11	431 Base Model	Wheel Tractor	148 CID (2.4L) G148	8
350 Base Model	Picker	207 CID (3.4L) G207D Diesel	13	431 Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11
350B Base Model	Crawler	188 CID (3.1L) G188D Diesel	11	440 Base Model	Wheel Tractor	148 CID (2.4L) G148B	8
351 Base Model	Wheel Tractor	164 CID (2.7L) G164	9	440 Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11
377L Type 111	Power Unit	377 CID (6.2L) A377S	18	441 Base Model	Wheel Tractor	148 CID (2.4L) G148B	8
377N Type 111	Power Unit	377 CID (6.2L) A377	18	441 Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11
400 Base Model	Wheel Tractor	148 CID (2.4L) G148	8	450 Base Model	Picker	188 CID (3.1L) G188D Diesel	11
400 Base Model	Wheel Tractor	251 CID (4.1L) A251S	15	450 Base Model	Picker	207 CID (3.4L) G207D Diesel	13
400 Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15	450B Base Model	Crawler	207 CID (3.4L) G207D Diesel	13
400 Base Model	Skidder	336 CID (5.5L) 336BD Diesel	16	470 Base Model	Wheel Tractor	148 CID (2.4L) G148B	8
400 Super Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15	470 Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11
400B Base Model	Wheel Tractor	148 CID (2.4L) G148	8	475 Base Model	Pipelayer	301 CID (4.9L) 301B Diesel	15
400C Base Model	Skidder	336 CID (5.5L) 336BDT Diesel	16	475 Base Model	Pipelayer	336 CID (5.5L) 336BD Diesel	16
400D Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11	480 Base Model	Crawler	148 CID (2.4L) G148B	8
401 Base Model	Wheel Tractor	251 CID (4.1L) A251S	15	480 Base Model	Crawler	188 CID (3.1L) G188D Diesel	11
401 Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15	480 Base Model	Crawler	207 CID (3.4L) G207D Diesel	13
401 Base Model	Crawler	504 CID (8.3L) A504BDT Diesel	19	480B Base Model	Loader	148 CID (2.4L) G148B	8
401D Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11	480B Base Model	Loader	188 CID (3.1L) G188D Diesel	11
401D Type 111	Power Unit	401 CID (6.6L) 401 Diesel	18	480B Base Model	Crawler	207 CID (3.4L) G207D Diesel	13
402 D	Wheel Tractor	188 CID (3.1L) G188D Diesel	11	480C Base Model	Loader	188 CID (3.1L) G188D Diesel	11
402 Base Model	Wheel Tractor	251 CID (4.1L) A251S	15	480CK Base Model	Loader	148 CID (2.4L) G148B	8
402 Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15	480CK Base Model	Loader	188 CID (3.1L) G188D Diesel	11
403 D	Wheel Tractor	188 CID (3.1L) G188D Diesel	11	480CKB Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11
403 Base Model	Wheel Tractor	251 CID (4.1L) A251S	15	480CKC Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11
403 Super	Wheel Tractor	267 CID (4.4L) A267D Diesel	15	480D Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11
410 Base Model	Wheel Tractor	148 CID (2.4L) G148	8	480LL Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11
410 Base Model	Wheel Tractor	251 CID (4.1L) A251S	15	500 Base Model	Crawler	188 CID (3.1L) G188D Diesel	11
410 Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15	500 Base Model	Crawler	207 CID (3.4L) G207D Diesel	13
410B Base Model	Wheel Tractor	148 CID (2.4L) G148	8	500 Base Model	Wheel Tractor	377 CID (6.2L) A377D Diesel	18
411 B	Wheel Tractor	148 CID (2.4L) G148	8	500B Base Model	Wheel Tractor	164 CID (2.7L) G164	9
411 Base Model	Wheel Tractor	251 CID (4.1L) A251S	15	500LK Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11
411 Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15	504 Base Model	Placer	504 CID (8.3L) A504BD Diesel	19
413 Base Model	Wheel Tractor	251 CID (4.1L) A251S	15	510B Base Model	Wheel Tractor	164 CID (2.7L) G164	9
413 Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15				
420 Base Model	Crawler	148 CID (2.4L) G148	8				
420 Base Model	Crawler	188 CID (3.1L) G188D Diesel	11				
420 Base Model	Crawler	251 CID (4.1L) A251	15				
420B Base Model	Crawler	148 CID (2.4L) G148	8				



CASE (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
511B Base Model	Wheel Tractor	164 CID (2.7L) G164	9	586C Base Model	Fork Lift	207 CID (3.4L) G207D	13
520 Base Model	Crawler	377 CID (6.2L) A377D	18			Diesel	
		Diesel		586D Base Model	Fork Lift	188 CID (3.1L) G188D	11
530 Base Model	Wheel Tractor	159 CID (2.6L) G159	9			Diesel	
530 Base Model	Loader	188 CID (3.1L) G188D	11	600 Base Model	Combine	188 CID (3.1L) G188D	11
		Diesel				Diesel	
530CK Base Model	Wheel Tractor	159 CID (2.6L) G159	9	600 Base Model	Skidder	336 CID (5.5L) 336BDT	16
530CK Base Model	Wheel Tractor	188 CID (3.1L) G188D	11			Diesel	
		Diesel		600 Base Model	Wheel Tractor	377 CID (6.2L) A377S	18
531 Base Model	Wheel Tractor	159 CID (2.6L) G159	9	600B Base Model	Wheel Tractor	164 CID (2.7L) G164	9
531 Base Model	Wheel Tractor	188 CID (3.1L) G188D	11	610 Base Model	Wheel Tractor	188 CID (3.1L) G188D	11
		Diesel				Diesel	
540 Base Model	Wheel Tractor	159 CID (2.6L) G159	9	610 Base Model	Wheel Tractor	377 CID (6.2L) A377S	18
540 Base Model	Wheel Tractor	188 CID (3.1L) G188D	11	610B Base Model	Wheel Tractor	164 CID (2.7L) G164	9
		Diesel		611B Base Model	Wheel Tractor	164 CID (2.7L) G164	9
540C Base Model	Loader	159 CID (2.6L) G159	9	630 C	Wheel Tractor	188 CID (3.1L) G188D	11
540C Base Model	Loader	188 CID (3.1L) G188D	11			Diesel	
		Diesel		631 C	Wheel Tractor	188 CID (3.1L) G188D	11
541 Base Model	Wheel Tractor	159 CID (2.6L) G159	9			Diesel	
541 Base Model	Wheel Tractor	188 CID (3.1L) G188D	11	640 Base Model	Wheel Tractor	188 CID (3.1L) G188D	11
		Diesel				Diesel	
541C Base Model	Wheel Tractor	159 CID (2.6L) G159	9	641 Base Model	Wheel Tractor	188 CID (3.1L) G188B	10
541C Base Model	Wheel Tractor	188 CID (3.1L) G188D	11	650 Base Model	Windrower	108 CID (1.8L) VH4D	4
		Diesel				Wisconsin	
570 Base Model	Wheel Tractor	159 CID (2.6L) G159	9	660 Base Model	Combine	188 CID (3.1L) G188D	11
570 Base Model	Wheel Tractor	188 CID (3.1L) G188D	11			Diesel	
		Diesel		660 Base Model	Combine	201 CID (3.3L) 201	12
580 Base Model	Wheel Tractor	188 CID (3.1L) G188D	11	680 Base Model	Wheel Tractor	267 CID (4.4L) A267D	15
		Diesel				Diesel	
580 Base Model	Wheel Tractor	207 CID (3.4L) G207D	13	680 Base Model	Loader	301 CID (4.9L) A301BD	15
		Diesel				Diesel	
580A Base Model	Wheel Tractor	207 CID (3.4L) G207D	13	680 Base Model	Loader	336 CID (5.5L) 336BD	16
		Diesel				Diesel	
580B Base Model	Loader	159 CID (2.6L) G159	9	680B Base Model	Wheel Tractor	267 CID (4.4L) A267D	15
580B Base Model	Loader	188 CID (3.1L) G188D	11			Diesel	
		Diesel		680C Base Model	Loader	267 CID (4.4L) A267BD	15
580C Base Model	Loader	188 CID (3.1L) G188D	11			Diesel	
		Diesel		680CK Base Model	Loader	188 CID (3.1L) G188D	11
580C Base Model	Loader	207 CID (3.4L) G207D	13			Diesel	
		Diesel		680CK Base Model	Loader	251 CID (4.1L) 251	15
580CK Base Model	Loader	159 CID (2.6L) G159	9	680CK Base Model	Loader	267 CID (4.4L) A267D	15
580CK Base Model	Loader	188 CID (3.1L) G188D	11			Diesel	
		Diesel		680CK Base Model	Wheel Tractor	301 CID (4.9L) A301BD	15
580CKB Base Model	Wheel Tractor	188 CID (3.1L) G188D	11			Diesel	
		Diesel		680CKB Base Model	Wheel Tractor	267 CID (4.4L) A267D	15
580CKC Base Model	Wheel Tractor	207 CID (3.4L) G207D	13			Diesel	
		Diesel		680CKC Base Model	Wheel Tractor	301 CID (4.9L) 301B	15
580D Super	Wheel Tractor	207 CID (3.4L) G207D	13			Diesel	
		Diesel		680CKE Base Model	Wheel Tractor	336 CID (5.5L) 336BD	16
584 Base Model	Fork Lift	188 CID (3.1L) G188D	11			Diesel	
		Diesel		680CKG Base Model	Wheel Tractor	336 CID (5.5L) 336BD	16
584 Base Model	Fork Lift	207 CID (3.4L) G207D	13			Diesel	
		Diesel		680CKH Base Model	Wheel Tractor	336 CID (5.5L) 336BD	16
584C Base Model	Fork Lift	188 CID (3.1L) G188D	11			Diesel	
		Diesel		700 Series	Wheel Tractor	251 CID (4.1L) A251S	15
584C Base Model	Fork Lift	207 CID (3.4L) G207D	13	700 Series	Wheel Tractor	267 CID (4.4L) A267D	15
		Diesel				Diesel	
584D Base Model	Fork Lift	188 CID (3.1L) G188D	11	700B Base Model	Wheel Tractor	251 CID (4.1L) A251	15
		Diesel		700B Base Model	Wheel Tractor	267 CID (4.4L) A267D	15
585 Base Model	Fork Lift	207 CID (3.4L) G207D	13			Diesel	
		Diesel		709 Base Model	Wheel Tractor	267 CID (4.4L) A267BD	15
585C Base Model	Fork Lift	188 CID (3.1L) G188D	11			Diesel	
		Diesel		710B Base Model	Wheel Tractor	251 CID (4.1L) A251	15
585C Base Model	Fork Lift	207 CID (3.4L) G207D	13	711B Base Model	Wheel Tractor	251 CID (4.1L) A251	15
		Diesel		712B Base Model	Wheel Tractor	251 CID (4.1L) A251	15
585D Base Model	Fork Lift	188 CID (3.1L) G188D	11	713B Base Model	Wheel Tractor	251 CID (4.1L) A251	15
		Diesel		720 Base Model	Wheel Tractor	267 CID (4.4L) A267D	15
586 Base Model	Fork Lift	207 CID (3.4L) G207D	13			Diesel	
		Diesel		730 Orchard	Wheel Tractor	251 CID (4.1L) A251	15
586C Base Model	Fork Lift	188 CID (3.1L) G188D	11				
		Diesel					



CASE (Cont.)
MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
730 Orchard	Wheel Tractor	267 CID (4.4L) A267D Diesel	15	900 Base Model	Wheel Tractor	377 CID (6.2L) A377S	18
730C Base Model	Wheel Tractor	251 CID (4.1L) A251	15	900 Series Base Model	Wheel Tractor	377 CID (6.2L) A377D Diesel	18
730C Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15	900B Base Model	Wheel Tractor	377 CID (6.2L) A377D Diesel	18
730CK Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15	920 Base Model	Wheel Tractor	401 CID (6.6L) A401D Diesel	18
740 Base Model	Wheel Tractor	251 CID (4.1L) A251	15	930 Base Model	Crawler	377 CID (6.2L) A377S	18
740 Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15	930 Base Model	Crawler	401 CID (6.6L) A401D Diesel	18
750 Base Model	Loader	267 CID (4.4L) A267D Diesel	15	930 Comfort King Base Model	Wheel Tractor	377 CID (6.2L) A377S	18
750 Base Model	Crawler	301 CID (4.9L) A301D Diesel	15	930 Comfort King Base Model	Wheel Tractor	401 CID (6.6L) A401D Diesel	18
770 Base Model	Wheel Tractor	251 CID (4.1L) A251	15	930G Base Model	Crawler	401 CID (6.6L) A401D Diesel	18
770 Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15	930GB Base Model	Wheel Tractor	401 CID (6.6L) A401D Diesel	18
770 Agri-King Base Model	Wheel Tractor	251 CID (4.1L) A251	15	930GP Base Model	Crawler	377 CID (6.2L) A377S	18
770 Agri-King Base Model	Wheel Tractor	267 CID (4.4L) 267B Diesel	15	930GP Base Model	Crawler	401 CID (6.6L) A401D Diesel	18
780 Base Model	Crawler	336 CID (5.5L) 336BDT Diesel	16	930WS Base Model	Crawler	377 CID (6.2L) A377S	18
780CK Base Model	Wheel Tractor	336 CID (5.5L) 336BDT Diesel	16	930WS Base Model	Wheel Tractor	401 CID (6.6L) A401D Diesel	18
780CKB Base Model	Wheel Tractor	336 CID (5.5L) 336BDT Diesel	16	931 Comf-King Case-O-Matic Base Model	Wheel Tractor	401 CID (6.6L) A401D Diesel	18
800 Series	Wheel Tractor	251 CID (4.1L) A251S	15	940 Base Model	Wheel Tractor	377 CID (6.2L) A377S	18
800 Base Model	Combine	267 CID (4.4L) A267D Diesel	15	940 Base Model	Wheel Tractor	401 CID (6.6L) A401D Diesel	18
800 Base Model	Skidder	336 CID (5.5L) 336BDT Diesel	16	950 Base Model	Windrower	108 CID (1.8L) VH4D Wisconsin	4
800B Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15	950 Base Model	Windrower	126 CID (2.1L) G126	5
801B Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15	950 Base Model	Windrower	148 CID (2.4L) G148	8
802B Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15	955 Base Model	Windrower	126 CID (2.1L) G126	5
803B Base Model	Wheel Tractor	267 CID (4.4L) A267D Diesel	15	955 Base Model	Windrower	148 CID (2.4L) G148	8
810B Base Model	Wheel Tractor	251 CID (4.1L) A251S	15	970 Agri-King Base Model	Wheel Tractor	377 CID (6.2L) A377S	18
811B Base Model	Wheel Tractor	251 CID (4.1L) A251S	15	970 Agri-King Base Model	Wheel Tractor	401 CID (6.6L) A401D Diesel	18
812B Base Model	Wheel Tractor	251 CID (4.1L) A251S	15	970 Agri-King Base Model	Wheel Tractor	451 CID (7.4L) A451D Diesel	18
813B Base Model	Wheel Tractor	251 CID (4.1L) A251S	15	980 Base Model	Excavator	504 CID (8.3L) A504BDT Diesel	19
825 Base Model	Skidder	336 CID (5.5L) 336BDT Diesel	16	980B Base Model	Combine	504 CID (8.3L) A504BDT Diesel	19
830 Base Model	Wheel Tractor	284 CID (4.7L) A284S	15	1000 Base Model	Combine	267 CID (4.4L) A267D Diesel	15
830 C	Wheel Tractor	301 CID (4.9L) A301D Diesel	15	1000 Base Model	Combine	284 CID (4.7L) 284G	15
840 Base Model	Wheel Tractor	301 CID (4.9L) A301D Diesel	15	1000 Rice	Combine	301 CID (4.9L) A301D Diesel	15
850 Base Model	Wheel Tractor	284 CID (4.7L) 284G	15	1010 Rice	Combine	251 CID (4.1L) A251	15
850 Base Model	Crawler	301 CID (4.9L) 301B Diesel	15	1010 Rice	Combine	284 CID (4.7L) 284G	15
850 Base Model	Wheel Tractor	336 CID (5.5L) 336BD Diesel	16	1010 Rice	Combine	301 CID (4.9L) A301D Diesel	15
850B Base Model	Crawler	336 CID (5.5L) 336BDT Diesel	16	1030 Construction King	Wheel Tractor	451 CID (7.4L) A451D Diesel	18
850C Base Model	Crawler	336 CID (5.5L) 336BDT Diesel	16	1060 Base Model	Combine	301 CID (4.9L) A301D Diesel	15
870 Agri-King Base Model	Wheel Tractor	336 CID (5.5L) 336BDT Diesel	16	1070 Agri-King Base Model	Wheel Tractor	451 CID (7.4L) A451BD Diesel	18
880 Base Model	Crawler	336 CID (5.5L) 336BDT Diesel	16	1090 Agri-King Base Model	Wheel Tractor	451 CID (7.4L) A451BD Diesel	18
880B Base Model	Excavator	336 CID (5.5L) 336BDT Diesel	16	1150 Base Model	Windrower	188 CID (3.1L) G188D Diesel	11
880C Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19	1150 Base Model	Crawler	401 CID (6.6L) A401D Diesel	18
880R Base Model	Excavator	336 CID (5.5L) 336BDT Diesel	16	1150 Base Model	Crawler	504 CID (8.3L) A504BDT Diesel	19



CASE (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
1150B Base Model	Crawler	451 CID (7.4L) A451D Diesel	18	Base Model	Engine	180 CID (3.0L) B Series (2.9L) Cummins Diesel	1
1150C Base Model	Crawler	451 CID (7.4L) A451BD Diesel	18	Base Model	Engine	188 CID (3.1L) G188	10
1155 Base Model	Windrower	188 CID (3.1L) G188D Diesel	11	Base Model	Engine	207 CID (3.4L) G207D Diesel	13
1160 Base Model	Combine	301 CID (4.9L) A301D Diesel	15	Base Model	Engine	239 CID (3.9L) B Series (3.9L) Cummins Diesel	14
1170 Agri-King Base Model	Wheel Tractor	451 CID (7.4L) A451BDT Diesel	18	Base Model	Engine	251 CID (4.1L) A251LP	15
1175 Agri-King Base Model	Wheel Tractor	451 CID (7.4L) A451BDT Diesel	18	Base Model	Engine	267 CID (4.4L) 267 Diesel	15
1200 Trac-King Base Model	Wheel Tractor	451 CID (7.4L) A451D Diesel	18	Base Model	Engine	284 CID (4.7L) A284LP	15
1255 Base Model	Windrower	188 CID (3.1L) G188D Diesel	11	Base Model	Engine	301 CID (4.9L) A301 Diesel	15
1270 Agri-King Base Model	Wheel Tractor	451 CID (7.4L) A451BDT Diesel	18	Base Model	Engine	359 CID (5.9L) B Series (5.9L) Cummins Diesel	17
1280 Base Model	Excavator	504 CID (8.3L) A504BDT Diesel	19	Base Model	Engine	377 CID (6.2L) A377LP	18
1370 Agri-King Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19	Base Model	Engine	401 CID (6.6L) A401 Diesel	18
1450 Base Model	Crawler	504 CID (8.3L) A504BDT Diesel	19	Base Model	Engine	504 CID (8.3L) 504DTI Diesel	19
1450B Base Model	Crawler	504 CID (8.3L) A504BDT Diesel	19	Base Model	Engine	505 CID (8.3L) C Series Cummins Diesel	20
1470 Trac-King Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19	GT25 Base Model	Crawler	124 CID (2.0L) F124 Continental	6
1570 Trac-King Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19	GT25 Base Model	Crawler	140 CID (2.3L) F140 Continental	7
1700 Base Model	Wheel Tractor	148 CID (2.4L) G148B	8	GT28 Base Model	Crawler	124 CID (2.0L) F124 Continental	6
1700 Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11	GT28 Base Model	Crawler	140 CID (2.3L) F140 Continental	7
1737 Base Model	Loader	148 CID (2.4L) G148B	8	GT30 Base Model	Crawler	124 CID (2.0L) F124 Continental	6
1737 Base Model	Loader	188 CID (3.1L) G188D Diesel	11	GT30 Base Model	Crawler	140 CID (2.3L) F140 Continental	7
1740 Base Model	Loader	188 CID (3.1L) G188D Diesel	11	GT34 Base Model	Crawler	124 CID (2.0L) F124 Continental	6
1740 Base Model	Loader	207 CID (3.4L) G207D Diesel	13	GT34 Base Model	Crawler	140 CID (2.3L) F140 Continental	7
1845 Base Model	Loader	159 CID (2.6L) 159G	9	K2 Base Model	Combine	124 CID (2.0L) VA124	5
1845 Base Model	Loader	188 CID (3.1L) G188D Diesel	11	K exc. Prairie Base Model	Combine	124 CID (2.0L) VA124	5
1845 Base Model	Loader	207 CID (3.4L) G207D Diesel	13	LCK430 Base Model	Wheel Tractor	148 CID (2.4L) G148B	8
1845S Base Model	Loader	188 CID (3.1L) G188D Diesel	11	LCK430 Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11
1855 Base Model	Loader	188 CID (3.1L) G188D Diesel	11	LCK530 Base Model	Wheel Tractor	159 CID (2.6L) G159	9
1855 Base Model	Loader	207 CID (3.4L) G207D Diesel	13	LCK530 Base Model	Wheel Tractor	188 CID (3.1L) G188D Diesel	11
2090 Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19	M2 Base Model	Combine	106 CID (1.7L) W106	2
2290 Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19	NAP-M Base Model	Baler	124 CID (2.0L) VAE	5
2390 Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19	P50 Base Model	Concrete Placer	188 CID (3.1L) G188D Diesel	11
2470 Trac-King Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19	P336 Base Model	Placer	336 CID (5.5L) 336BDT Diesel	16
2590 Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19	P504 Base Model	Placer	504 CID (8.3L) A504BDT Diesel	19
2670 Trac-King Base Model	Wheel Tractor	504 CID (8.3L) A504BDTI Diesel	19	PT50 Base Model	Concrete Placer	188 CID (3.1L) G188D Diesel	11
4490 Base Model	Wheel Tractor	504 CID (8.3L) A504BDT Diesel	19	PT336 Base Model	Placer	336 CID (5.5L) 336BD Diesel	16
4690 Base Model	Wheel Tractor	504 CID (8.3L) A504BDTI Diesel	19	T50 Base Model	Concrete Placer	188 CID (3.1L) G188D Diesel	11
Base Model	Engine	124 CID (2.0L) 124	5	T80 Base Model	Placer	504 CID (8.3L) A504BDT Diesel	19
Base Model	Engine	148 CID (2.4L) 148G	8	T336 Base Model	Placer	336 CID (5.5L) 336BDT Diesel	16
Base Model	Engine	159 CID (2.6L) G159B	9	TB80 Base Model	Placer	504 CID (8.3L) A504BD Diesel	19
				TB336 Base Model	Placer	336 CID (5.5L) 336BDT Diesel	16



CASE (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
TD336 Base Model	Placer	336 CID (5.5L) 336BD Diesel	16	W9B Base Model	Loader	377 CID (6.2L) A377G	18
U Base Model	Combine	108 CID (1.8L) VF4 Wisconsin	3	W9B Base Model	Loader	401 CID (6.6L) 401 Diesel	18
U Base Model	Combine	124 CID (2.0L) VA124	5	W9C Base Model	Loader	377 CID (6.2L) 377	18
V Base Model	Wheel Tractor	124 CID (2.0L) F124 Continental	6	W9C Base Model	Loader	401 CID (6.6L) 401 Diesel	18
VA Series Base Model	Wheel Tractor	124 CID (2.0L) VA124	5	W9E Base Model	Loader	401 CID (6.6L) A401BD Diesel	18
VAC Base Model	Wheel Tractor	124 CID (2.0L) VA124	5	W10 Base Model	Loader	188 CID (3.1L) G188D Diesel	11
VAH Base Model	Wheel Tractor	124 CID (2.0L) VA124	5	W10 Base Model	Crawler	251 CID (4.1L) A251S	15
VAI Base Model	Wheel Tractor	124 CID (2.0L) VA124	5	W10 Base Model	Loader	301 CID (4.9L) A301D Diesel	15
VAO Base Model	Wheel Tractor	124 CID (2.0L) VA124	5	W10 B	Loader	377 CID (6.2L) A377G	18
VAS Base Model	Wheel Tractor	124 CID (2.0L) VA124	5	W10 Base Model	Loader	401 CID (6.6L) A401D Diesel	18
VC Base Model	Wheel Tractor	124 CID (2.0L) F124 Continental	6	W10C Base Model	Loader	401 CID (6.6L) 401 Diesel	18
VI Base Model	Wheel Tractor	124 CID (2.0L) F124 Continental	6	W10E Base Model	Loader	401 CID (6.6L) A401D Diesel	18
VO Base Model	Wheel Tractor	124 CID (2.0L) F124 Continental	6	W11 Base Model	Loader	207 CID (3.4L) G207D Diesel	13
W3 Base Model	Loader	148 CID (2.4L) G148	8	W12 Base Model	Loader	451 CID (7.4L) A451D Diesel	18
W3 Base Model	Loader	188 CID (3.1L) G188D Diesel	11	W14 Base Model	Loader	336 CID (5.5L) 336BDT Diesel	16
W5 Base Model	Loader	164 CID (2.7L) G164	9	W14H Base Model	Loader	336 CID (5.5L) 336BD Diesel	16
W5 Base Model	Loader	188 CID (3.1L) G188D Diesel	11	W18 Base Model	Loader	401 CID (6.6L) A401BDT Diesel	18
W5A Base Model	Loader	188 CID (3.1L) G188D Diesel	11	W18B Base Model	Loader	504 CID (8.3L) A504BDT Diesel	19
W7 Base Model	Loader	284 CID (4.7L) 284G	15	W20 Base Model	Loader	401 CID (6.6L) A401BDT Diesel	18
W7 Base Model	Loader	301 CID (4.9L) A301D Diesel	15	W20B Base Model	Loader	401 CID (6.6L) A401BDT Diesel	18
W7C Base Model	Loader	301 CID (4.9L) A301D Diesel	15	W20C Base Model	Loader	504 CID (8.3L) A504BDT Diesel	19
W7E Base Model	Loader	301 CID (4.9L) 301B Diesel	15	W24 Base Model	Loader	504 CID (8.3L) A504BDT Diesel	19
W8 B	Loader	377 CID (6.2L) A377G	18	W24B Base Model	Loader	504 CID (8.3L) A504BDT Diesel	19
W8 Base Model	Loader	401 CID (6.6L) A401D Diesel	18	W24C Base Model	Loader	504 CID (8.3L) A504BDT Diesel	19
W8B Base Model	Loader	401 CID (6.6L) 401 Diesel	18	W26 Base Model	Loader	126 CID (2.1L) G126	5
W8C Base Model	Loader	401 CID (6.6L) 401 Diesel	18	W26B Base Model	Loader	504 CID (8.3L) A504BDT Diesel	19
W8E Base Model	Loader	401 CID (6.6L) A401BD Diesel	18	W26LF Base Model	Loader	504 CID (8.3L) A504BDT Diesel	19
W9 Base Model	Wheel Tractor	251 CID (4.1L) A251	15	W36 Base Model	Loader	504 CID (8.3L) A504BDT Diesel	19
W9 Base Model	Loader	267 CID (4.4L) A267D Diesel	15	WA106 Base Model	Wheel Tractor	106 CID (1.7L) W106	2
W9 Base Model	Crawler	284 CID (4.7L) A284S	15	WB10 Base Model	Loader	336 CID (5.5L) 336BDT Diesel	16
W9 Base Model	Crawler	301 CID (4.9L) A301D Diesel	15	WB10 Base Model	Loader	401 CID (6.6L) A401D Diesel	18
W9 Base Model	Loader	377 CID (6.2L) A377D Diesel	18				
W9 Base Model	Loader	401 CID (6.6L) A401D Diesel	18				
W9A Base Model	Loader	301 CID (4.9L) A301D Diesel	15				

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
15-12	5.000in./127mm	19	A24425	5.000in./127mm	18	F400D-500	4.375in./111.1mm	6	G-11176	4.125in./104.8mm	11
3901085	4.724in./120mm	1	A27845	5.000in./127mm	18	F400D-500	4.375in./111.1mm	7	G-11723	4.125in./104.8mm	10
3901085	4.724in./120mm	14	A58579	5.000in./127mm	19	F400D-502	4.375in./111.1mm	6	G-11723	4.125in./104.8mm	12
3901085	4.724in./120mm	17	A58789	5.000in./127mm	18	F400D-502	4.375in./111.1mm	7	G-11723	4.125in./104.8mm	11
3901566	4.724in./120mm	1	A278895	5.000in./127mm	18	G-11176	4.125in./104.8mm	8	VT-3200	3.750in./95.3mm	5
3901566	4.724in./120mm	14	B-390124710	5.320in./135.1mm	20	G-11176	4.125in./104.8mm	9	VT-3200	3.750in./95.3mm	2
3901566	4.724in./120mm	17	F218D-3020	4.375in./111.1mm	6	G-11176	4.125in./104.8mm	10	VT-4538	3.750in./95.3mm	5
390124715	5.320in./135.1mm	20	F218D-3020	4.375in./111.1mm	7	G-11176	4.125in./104.8mm	12	VT-4538	3.750in./95.3mm	2

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
400C-209	4.375in./111.1mm	6	400C-500	4.375in./111.1mm	7	010700	5.000in./127mm	16	390562	5.320in./135.1mm	20
400C-209	4.375in./111.1mm	7	0970DAB	5.000in./127mm	18	010700AB	5.000in./127mm	15	966441	5.000in./127mm	18
400C-500	4.375in./111.1mm	6	010700	5.000in./127mm	15	010700AB	5.000in./127mm	16	969267	5.000in./127mm	19



CASE (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
976321	4.125in./104.8mm	13	F140C-303	4.375in./111.1mm	7	F400C-359	4.375in./111.1mm	6	G-11700	4.125in./104.8mm	9
976321	4.125in./104.8mm	10	F162C-319	4.375in./111.1mm	6	F400C-359	4.375in./111.1mm	7	G-11707	4.125in./104.8mm	8
3903827	4.724in./120mm	14	F162C-319	4.375in./111.1mm	7	F400C-368	4.375in./111.1mm	6	G-11707	4.125in./104.8mm	9
3903830	4.724in./120mm	14	F400C-209	4.375in./111.1mm	6	F400C-368	4.375in./111.1mm	7	G-11709	4.125in./104.8mm	8
3907803	4.724in./120mm	14	F400C-209	4.375in./111.1mm	7	F400C-500	4.375in./111.1mm	6	G-11709	4.125in./104.8mm	9
3907804	4.724in./120mm	17	F400C-222	4.375in./111.1mm	6	F400C-500	4.375in./111.1mm	7	G-11740	4.125in./104.8mm	10
A65097	5.000in./127mm	19	F400C-222	4.375in./111.1mm	7	F400C-501	4.375in./111.1mm	6	G-11740	4.125in./104.8mm	12
A66772	5.000in./127mm	19	F400C-228	4.375in./111.1mm	6	F400C-501	4.375in./111.1mm	7	G-11741	4.125in./104.8mm	11
A77147	5.000in./127mm	19	F400C-228	4.375in./111.1mm	7	F400C-503	4.375in./111.1mm	6	V-520D	3.750in./95.3mm	5
A138818	5.000in./127mm	19	F400C-314	4.375in./111.1mm	6	F400C-503	4.375in./111.1mm	7	V-520D	3.750in./95.3mm	2
A-39151	4.125in./104.8mm	10	F400C-314	4.375in./111.1mm	7	G-10071	4.125in./104.8mm	8	V-5200	3.750in./95.3mm	5
A-39151	4.125in./104.8mm	12	F400C-321	4.375in./111.1mm	6	G-10071	4.125in./104.8mm	9	V-5200	3.750in./95.3mm	2
A-39151	4.125in./104.8mm	11	F400C-321	4.375in./111.1mm	7	G-11071	4.125in./104.8mm	8	VT-3201	3.750in./95.3mm	5
CA-55	3.250in./82.6mm	3	F400C-324	4.375in./111.1mm	6	G-11071	4.125in./104.8mm	9	VT-3201	3.750in./95.3mm	2
F140C-303	4.375in./111.1mm	6	F400C-324	4.375in./111.1mm	7	G-11700	4.125in./104.8mm	8			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

3 CYL

1	180 CID (3.0L) 3-290,B Series (2.9L) Cummins Diesel 3 Cyl				4.016in./102mm x 4.724in./120mm				1
	180 CID (3.0L) 3T-290 Cummins Turbocharged Diesel 3 Cyl				4.016in./102mm x 4.724in./120mm				
Rod Bearing(3)	TM-112	CB-1413P	STD.,.25mm,.50mm,.75mm		2.7160/2.7170	0.0015/0.0045	0.0775	2.8735/2.8745	1.2250
Rod Bearing(3)	TM-112	CB-1846P-.25mm	.50mm		2.7160/2.7170	0.0015/0.0045	0.0874	2.8835/2.8845	1.2250
NOTE: Connecting Rod With Housing Bore Resized .010" Larger Than Stock									
Main Bearing Set	TM-112	MS-1719P	STD.,.25mm,.50mm						
1-3		MB-3110P			3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.1430
2		MB-3109P(F)			3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.4700
Cam Bearing	AL-3	SH-1404	STD		2.1245/2.1265			2.2528/2.2542	1.0100
NOTE: Position Number 1									
Piston Pin	C-1	223-3644	STD				0.0690	1.6924/1.6934	1.5100
Bushing(3)									
NOTE: Requires Boring									
Rod Forging	3901085, 3901566								
Connecting Rod	Step A 26 Lbs.Ft.; Step B 51 Lbs.Ft.; Step C 73 Lbs.Ft.								
Main Bearing	Step A 44 Lbs.Ft.; Step B 88 Lbs.Ft.; Step C 129 Lbs.Ft.								

4 CYL

2	106 CID (1.7L) W106 4 Cyl				3.000in./76.2mm x 3.750in./95.3mm				2
Rod Bearing(4)	TM-77	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300	
Thrust Washer Set(2)		TW-424S MB-1403W	STD	2.2812			3.0625	0.0960	
NOTE: Contains 1 Piece, Position Number 1									
Cam Bearing Set	B-1	SH-502S	STD						
1		SH-502		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.3170	
2		SH-503		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.7230	
3		SH-504		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.1970	
Rod Forging	VT-3200, VT-4538								
C/S Forging	V-5200, V-520D, VT-3201								
Connecting Rod	60 Lbs.Ft.								
Main Bearing	90 Lbs.Ft.								
3	108 CID (1.8L) VF4 Wisconsin V4 Cyl				3.250in./82.6mm x 3.250in./82.6mm				3
Rod Bearing(4)	B-2	CB-983M	STD,10	1.7500/1.7510	0.0014/0.0035	0.0613	1.8745/1.8750	0.8640	
Piston Pin	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100	
Bushing(4)									
NOTE: Requires Light Reaming									
C/S Forging	CA-55								
Connecting Rod	24 Lbs.Ft.								
4	108 CID (1.8L) VH4D Wisconsin V4 Cyl				3.250in./82.6mm x 3.250in./82.6mm				4
Rod Bearing(4)	B-2	CB-979M	STD,10,20	1.8750/1.8760	0.0014/0.0035	0.0613	1.9995/2.0000	0.8640	
Piston Pin	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100	
Bushing(4)									
NOTE: Requires Light Reaming									



CASE (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
4 (Cont.)	108 CID (1.8L) VH4D Wisconsin V4 Cyl			3.250in./82.6mm x 3.250in./82.6mm					4 (Cont.)
Connecting Rod 24 Lbs.Ft.									
5	124 CID (2.0L) 124,VA124,VAE 4 Cyl 126 CID (2.1L) G126 4 Cyl			3.250in./82.6mm x 3.750in./95.3mm 3.125in./79.4mm x 4.125in./104.8mm					5
Rod Bearing(4)	TM-77	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300	
Thrust Washer Set(2)		TW-424S MB-1403W	STD	2.2812			3.0625	0.0960	
NOTE: Contains 1 Piece, Position Number 1									
Cam Bearing Set	B-1	SH-502S	STD						
1		SH-502		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.3170	
2		SH-503		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.7230	
3		SH-504		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.1970	
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250	
NOTE: Requires Light Reaming									
Piston Pin Bushing(4)	C-1	223-3644	STD			0.0690	1.6924/1.6934	1.5100	
NOTE: Requires Boring									
Rod Forging	VT-3200, VT-4538								
C/S Forging	V-5200, V-520D, VT-3201								
Connecting Rod	45 To 50 Lbs.Ft. (126 CID (2.1L) G126)								
Connecting Rod	60 Lbs.Ft. (124 CID (2.0L) 124)								
6	124 CID (2.0L) F124 Continental 4 Cyl			3.000in./76.2mm x 4.375in./111.1mm					6
Rod Bearing(2)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300	
NOTE: Positions 2 And 4									
Rod Bearing(2)	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300	
NOTE: Positions 1 And 3									
Thrust Washer Set(2)		TW-424S MB-1403W	STD	2.2812			3.0625	0.0960	
NOTE: Contains 1 Piece, Position Number 1									
Cam Bearing Set	AL-3	SH-56S	STD						
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850	
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350	
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660	
Piston Pin Bushing(4)	C-1	223-3644	STD			0.0690	1.6924/1.6934	1.5100	
NOTE: Requires Boring									
Rod Forging	F400D-500, F400D-502, F218D-3020								
C/S Forging	400C-209, 400C-500, F140C-303, F162C-319, F400C-209, F400C-222, F400C-228, F400C-314, F400C-321, F400C-324, F400C-359, F400C-368, F400C-500, F400C-501, F400C-503								
Connecting Rod	20 To 25 Lbs.Ft.								
Main Bearing	35 To 40 Lbs.Ft.								
7	140 CID (2.3L) F140 Continental 4 Cyl			3.188in./80.98mm x 4.375in./111.1mm					7
Rod Bearing(2)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300	
NOTE: Positions 2 And 4									
Rod Bearing(2)	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300	
NOTE: Positions 1 And 3									
Main Bearing Set	TM-77	MS-176P-10	20						
1		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300	
2		MB-1406P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.6300	
3		MB-1405P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300	
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings									
Thrust Washer Set(2)		TW-424S MB-1403W	STD	2.2812			3.0625	0.0960	
NOTE: Contains 1 Piece, Position Number 1, Use With Part Number MS-176P-10									



CASE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
7 (Cont.)	140 CID (2.3L) F140 Continental 4 Cyl				3.188in./80.98mm x 4.375in./111.1mm			7 (Cont.)
Cam Bearing Set	AL-3	SH-56S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	F400D-500, F400D-502, F218D-3020							
C/S Forging	400C-209, 400C-500, F140C-303, F162C-319, F400C-209, F400C-222, F400C-228, F400C-314, F400C-321, F400C-324, F400C-359, F400C-368, F400C-500, F400C-501, F400C-503							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
8	148 CID (2.4L) 148G,G148,G148B 4 Cyl				3.375in./85.7mm x 4.125in./104.8mm			8
	148 CID (2.4L) G148 LPG 4 Cyl				3.375in./85.7mm x 4.125in./104.8mm			
Rod Bearing(4)	TM-77	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: 1.9375" Diameter Connecting Rod Journal								
Rod Bearing(4)	TM-112	CB-655P	STD,2,10,20,30	2.0605/2.0615	0.0015/0.0040	0.0622	2.1870/2.1875	1.0500
NOTE: 2.0615" Diameter Connecting Rod Journal								
Main Bearing Set	TM-77	MS-596P	STD,10,20					
1		MB-2131P		2.6230/2.6240	0.0013/0.0039	0.0955	2.8160/2.8170	1.4480
2		MB-2132P(F)		2.6230/2.6240	0.0013/0.0039	0.0955	2.8160/2.8170	1.4980
3		MB-2133P		2.6230/2.6240	0.0013/0.0039	0.0955	2.8160/2.8170	1.5730
NOTE: 2.0615" Diameter Connecting Rod Journal								
Cam Bearing Set	B-1	SH-502S	STD					
1		SH-502		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.3170
2		SH-503		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.7230
3		SH-504		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.1970
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming								
Rod Forging	G-11176							
C/S Forging	G-10071, G-11071, G-11700, G-11707, G-11709							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	95 To 100 Lbs.Ft.							
9	159 CID (2.6L) 159,159B,159G,G159,G159B 4 Cyl				3.500in./88.9mm x 4.125in./104.8mm			9
	159 CID (2.6L) G159 LPG 4 Cyl				3.500in./88.9mm x 4.125in./104.8mm			
	164 CID (2.7L) G164 4 Cyl				3.563in./90.5mm x 4.125in./104.8mm			
	164 CID (2.7L) G164 LPG 4 Cyl				3.563in./90.5mm x 4.125in./104.8mm			
Rod Bearing(4)	TM-112	CB-655P	STD,2,10,20,30	2.0605/2.0615	0.0015/0.0040	0.0622	2.1870/2.1875	1.0500
Main Bearing Set	TM-77	MS-596P	STD,10,20					
1		MB-2131P		2.6230/2.6240	0.0013/0.0039	0.0955	2.8160/2.8170	1.4480
2		MB-2132P(F)		2.6230/2.6240	0.0013/0.0039	0.0955	2.8160/2.8170	1.4980
3		MB-2133P		2.6230/2.6240	0.0013/0.0039	0.0955	2.8160/2.8170	1.5730
Cam Bearing Set	B-1	SH-502S	STD					
1		SH-502		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.3170
2		SH-503		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.7230
3		SH-504		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.1970
Piston Pin Bushing(4)		223-3531	STD			0.0670		
Rod Forging	G-11176							
C/S Forging	G-10071, G-11071, G-11700, G-11707, G-11709							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	95 To 100 Lbs.Ft.							
10	188 CID (3.1L) 188 LPG 4 Cyl				3.813in./96.9mm x 4.125in./104.8mm			10
	188 CID (3.1L) 188S,G188,G188B 4 Cyl				3.813in./96.9mm x 4.125in./104.8mm			
Rod Bearing(4)	TM-112	CB-655P	STD,2,10,20,30	2.0605/2.0615	0.0015/0.0040	0.0622	2.1870/2.1875	1.0500



CASE (Cont.)

CASE (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
10 (Cont.)	188 CID (3.1L) 188 LPG 4 Cyl			3.813in./96.9mm x 4.125in./104.8mm					10 (Cont.)
	188 CID (3.1L) 188S,G188,G188B 4 Cyl			3.813in./96.9mm x 4.125in./104.8mm					
Main Bearing Set	TM-112	MS-652P	STD,10,20						
1		MB-2192P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.2850	
2		MB-2194P(F)		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.3730	
3		MB-2195P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.5650	
Cam Bearing Set	B-1	SH-690S	STD						
1-4		SH-689		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.2280	
2-3		SH-518		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.5000	
Piston Pin Bushing(4)		223-3531	STD			0.0670			
Rod Forging	G-11176, G-11723								
C/S Forging	A-39151, G-11740								
Connecting Rod	45 To 50 Lbs.Ft.								
Main Bearing	90 To 100 Lbs.Ft.								
11	188 CID (3.1L) G188D Diesel 4 Cyl			3.813in./96.9mm x 4.125in./104.8mm					11
Rod Bearing(4)	TM-112	CB-655P	STD,2,10,20,30	2.0605/2.0615	0.0015/0.0040	0.0622	2.1870/2.1875	1.0500	
Main Bearing Set	TM-112	MS-651P	STD,10,20						
1		MB-2192P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.2850	
2-4		MB-2193P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.0000	
3		MB-2194P(F)		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.3730	
5		MB-2195P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.5650	
Cam Bearing Set		SH-1191S	STD						
1		SH-689		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.2280	
2-3-4		SH-518		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.5000	
5		SH-1191		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.9850	
NOTE: From 1977,Engines With Tachometer Drive									
Piston Pin Bushing(4)	C-1	223-3530	STD			0.0938		1.2400	
NOTE: Requires Boring									
Rod Forging	G-11176, G-11723								
C/S Forging	A-39151, G-11741								
Connecting Rod	45 To 50 Lbs.Ft.								
Main Bearing	90 To 100 Lbs.Ft.								
12	201 CID (3.3L) 201 4 Cyl			3.938in./100mm x 4.125in./104.8mm					12
Rod Bearing(4)	TM-112	CB-655P	STD,2,10,20,30	2.0605/2.0615	0.0015/0.0040	0.0622	2.1870/2.1875	1.0500	
Main Bearing Set	TM-112	MS-652P	STD,10,20						
1		MB-2192P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.2850	
2		MB-2194P(F)		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.3730	
3		MB-2195P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.5650	
Cam Bearing Set	B-1	SH-690S	STD						
1-4		SH-689		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.2280	
2-3		SH-518		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.5000	
Rod Forging	G-11176, G-11723								
C/S Forging	A-39151, G-11740								
Connecting Rod	45 To 50 Lbs.Ft.								
Main Bearing	90 To 100 Lbs.Ft.								
13	207 CID (3.4L) 207DT Turbocharged Diesel 4 Cyl			4.000in./101.6mm x 4.125in./104.8mm					13
	207 CID (3.4L) ,G207D Diesel 4 Cyl			4.000in./101.6mm x 4.125in./104.8mm					
Rod Bearing(4)	TM-112	CB-1328P	STD,10,20,30	2.2480/2.2490	0.0015/0.0040	0.0750	2.4002/2.4007	1.0900	
Main Bearing Set	TM-112	MS-651P	STD,10,20						
1		MB-2192P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.2850	
2-4		MB-2193P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.0000	
3		MB-2194P(F)		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.3730	
5		MB-2195P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.5650	
Cam Bearing Set	B-1	SH-1191S	STD						
1		SH-689		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.2280	
2-3-4		SH-518		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.5000	
5		SH-1191		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.9850	
NOTE: Engines With Tachometer Drive,From 1977									
C/S Forging	976321								



CASE (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
13 (Cont.)	207 CID (3.4L) 207DT Turbocharged Diesel 4 Cyl				4.000in./101.6mm x 4.125in./104.8mm				13 (Cont.)
	207 CID (3.4L) ,G207D Diesel 4 Cyl				4.000in./101.6mm x 4.125in./104.8mm				
Connecting Rod		45 To 50 Lbs.Ft.							
Main Bearing		90 To 100 Lbs.Ft.							
14	239 CID (3.9L) 4-390,B Series (3.9L) Cummins Diesel 4 Cyl				4.016in./102mm x 4.724in./120mm				14
	239 CID (3.9L) 4T-390 Cummins Turbocharged Diesel 4 Cyl				4.016in./102mm x 4.724in./120mm				
Rod Bearing(4)	TM-112	CB-1413P	STD,.25mm,.50mm,.75mm	2.7160/2.7170	0.0015/0.0045	0.0775	2.8735/2.8745	1.2250	
Rod Bearing(3)	TM-112	CB-1846P-.25mm	.50mm	2.7160/2.7170	0.0015/0.0045	0.0874	2.8835/2.8845	1.2250	
NOTE: Connecting Rod With Housing Bore Resized .010" Larger Than Stock									
Main Bearing Set 1-2-3-5	TM-112	MS-1718P	STD,.25mm,.50mm,.75mm	3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.1430	
		MB-3110P		3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.4700	
4		MB-3109P(F)							
Cam Bearing	AL-3	SH-1404	STD	2.1245/2.1265			2.2528/2.2542	1.0100	
NOTE: Position Number 1									
Piston Pin	C-1	223-3644	STD			0.0690	1.6924/1.6934	1.5100	
Bushing(4)									
NOTE: Requires Boring									
Rod Forging	3901085, 3901566								
C/S Forging	3903827, 3903830, 3907803								
Connecting Rod	Step A 26 Lbs.Ft.; Step B 51 Lbs.Ft.; Step C 73 Lbs.Ft.								
Main Bearing	Step A 44 Lbs.Ft.; Step B 88 Lbs.Ft.; Step C 129 Lbs.Ft.								
15	251 CID (4.1L) 251,251B,251BG,A251,A251G,A251LP,A251S 4 Cyl				4.000in./101.6mm x 5.000in./127mm				15
	251 CID (4.1L) 251D Diesel 4 Cyl				4.000in./101.6mm x 5.000in./127mm				
	251 CID (4.1L) A251 LPG 4 Cyl				4.000in./101.6mm x 5.000in./127mm				
	267 CID (4.4L) 267B,267,A267BD,A267D,A267 Diesel 4 Cyl				4.125in./104.8mm x 5.000in./127mm				
	284 CID (4.7L) 284G,A284G,A284LP,A284S 4 Cyl				4.250in./108mm x 5.000in./127mm				
	284 CID (4.7L) A284S CNG 4 Cyl				4.250in./108mm x 5.000in./127mm				
	284 CID (4.7L) A284S LPG 4 Cyl				4.250in./108mm x 5.000in./127mm				
	301 CID (4.9L) 301B,A301BD,A301D,A301, Diesel 4 Cyl				4.375in./111.1mm x 5.000in./127mm				
301 CID (4.9L) 301BG 4 Cyl				4.375in./111.1mm x 5.000in./127mm					
Rod Bearing(4)	TM-112	CB-686P	STD,10,20,30	2.7480/2.7490	0.0018/0.0043	0.0751	2.9005/2.9010	1.5960	
Main Bearing Set 1-3-5	TM-112	MS-1497P	STD,10,20,30	2.9980/2.9990	0.0019/0.0049	0.0952	3.1910/3.1920	2.1620	
		MB-2810P		2.9980/2.9990	0.0019/0.0049	0.0952	3.1910/3.1920	1.6100	
2-4		MB-2105P							
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-354S,TW-355S									
Thrust Washer Set		TW-354S	STD	3.4770			4.5100	0.1860	
		MB-2810W							
NOTE: Contains 2 Pieces, Position Number 3, .186" Thickness, Use With Part Number MS-1497P									
Thrust Washer Set		TW-355S	STD	3.4770			4.5100	0.1560	
		MB-2811W							
NOTE: Contains 2 Pieces, Position Number 3, .156" Thickness, Use With Part Number MS-1497P									
Cam Bearing Set 1	B-1	SH-704S	STD	2.2460/2.2470	0.0014/0.0054	0.0628	2.3740/2.3750	1.6660	
2-3		SH-704		2.2460/2.2470	0.0014/0.0054	0.0628	2.3740/2.3750	1.4480	
4		SH-705		2.2460/2.2470	0.0014/0.0054	0.0628	2.3740/2.3750	1.1660	
		SH-706							
NOTE: 2.250" Camshaft Journal Diameter									
Piston Pin	C-1	223-3528	STD			0.0730	1.4845/1.4850	1.3770	
Bushing(4)									
NOTE: Engines With 1.3596" Piston Pin Diameter, Requires Boring									
C/S Forging	010700, 010700AB								
Connecting Rod	95 To 105 Lbs.Ft.								
Main Bearing	145 To 155 Lbs.Ft.								
16	336 CID (5.5L) 336BD,336B Diesel 4 Cyl				4.625in./117.5mm x 5.000in./127mm				16
	336 CID (5.5L) 336BDT Turbocharged Diesel 4 Cyl				4.625in./117.5mm x 5.000in./127mm				
Rod Bearing(4)	TM-112	CB-686P	STD,10,20,30	2.7480/2.7490	0.0018/0.0043	0.0751	2.9005/2.9010	1.5960	
NOTE: Thru Engine Serial Number 2571281									
Rod Bearing(4)	TM-112	CB-1237P	STD,10,20,30	2.9980/2.9990	0.0018/0.0043	0.0751	3.1505/3.1510	1.5960	
NOTE: From Engine Serial Number 2571281									



CASE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
16 (Cont.)	336 CID (5.5L) 336BD,336B Diesel 4 Cyl			4.625in./117.5mm x 5.000in./127mm				16 (Cont.)
	336 CID (5.5L) 336BDT Turbocharged Diesel 4 Cyl			4.625in./117.5mm x 5.000in./127mm				
Main Bearing Set 1-3-5 2-4 3	TM-112	MS-1495P MB-2804P MB-2805P MB-2804W	STD,10,20,30	3.4980/3.4990 3.4980/3.4990 3.6850	0.0019/0.0049 0.0019/0.0049	0.0952 0.0952	3.6910/3.6920 3.6910/3.6920 4.9950	2.1620 1.2240 0.1550
NOTE: From Engine Serial Number 2571281, Contains 2 Piece Thrust Washer Set, Use In Number 3 Position								
Main Bearing Set 1-3-5 2-4	TM-112	MS-1497P MB-2810P MB-2105P	STD,10,20,30	2.9980/2.9990 2.9980/2.9990	0.0019/0.0049 0.0019/0.0049	0.0952 0.0952	3.1910/3.1920 3.1910/3.1920	2.1620 1.6100
NOTE: Thru Engine Serial Number 2571281, Requires Thrust Washer Set, Not Included, Use With Part Number TW-354S,TW-355S								
Thrust Washer Set 1-3-5 2-4	B-1	TW-354S MB-2810W	STD	3.4770			4.5100	0.1860
NOTE: Thru Engine Serial Number 2571281, Contains 2 Pieces, Position Number 3, .186" Thickness, Use With Part Number MS-1497P								
Thrust Washer Set 1-3-5 2-4		TW-355S MB-2811W	STD	3.4770			4.5100	0.1560
NOTE: Thru Engine Serial Number 2571281, Contains 2 Pieces, Position Number 3, .156" Thickness, Use With Part Number MS-1497P								
Thrust Washer Set 1-3-5 2-4		TW-450S MB-2804W	STD	3.6850			4.9950	0.1550
NOTE: From Engine Serial Number 2571281, Contains 2 Pieces, Position Number 3								
Cam Bearing Set 1 2-3 4	B-1	SH-704S SH-704 SH-705 SH-706	STD	2.2460/2.2470 2.2460/2.2470 2.2460/2.2470	0.0014/0.0054 0.0014/0.0054 0.0014/0.0054	0.0628 0.0628 0.0628	2.3740/2.3750 2.3740/2.3750 2.3740/2.3750	1.6660 1.4480 1.1660
NOTE: 2.250" Camshaft Journal Diameter								
Piston Pin Bushing(4)	C-1	223-3575	STD			0.1000	1.9815/1.9820	1.7950
NOTE: Engines With 1.800" Piston Pin Diameter, Requires Boring								
C/S Forging	010700, 010700AB							
Connecting Rod	95 To 105 Lbs.Ft.							
Main Bearing	145 To 155 Lbs.Ft.							
6 CYL								
17	359 CID (5.9L) 6-590,B Series (5.9L) Cummins Diesel 6 Cyl			4.016in./102mm x 4.724in./120mm				17
	359 CID (5.9L) 6T-590 Cummins Turbocharged Diesel 6 Cyl			4.016in./102mm x 4.724in./120mm				
Rod Bearing(6)	TM-112	CB-1413P	STD,.25mm,.50mm,.75mm	2.7160/2.7170	0.0015/0.0045	0.0775	2.8735/2.8745	1.2250
Rod Bearing(3)	TM-112	CB-1846P-.25mm	.50mm	2.7160/2.7170	0.0015/0.0045	0.0874	2.8835/2.8845	1.2250
NOTE: Connecting Rod With Housing Bore Resized .010" Larger Than Stock								
Main Bearing Set 1-2-3-4-5-7 6	TM-112	MS-1717P MB-3110P MB-3109P(F)	STD,.25mm,.50mm,.75mm	3.2672/3.2682 3.2672/3.2682	0.0017/0.0047 0.0017/0.0047	0.0970 0.0970	3.4638/3.4652 3.4638/3.4652	1.1430 1.4700
Cam Bearing	AL-3	SH-1404	STD	2.1245/2.1265			2.2528/2.2542	1.0100
NOTE: Position Number 1								
Piston Pin Bushing(6)	C-1	223-3644	STD			0.0690	1.6924/1.6934	1.5100
NOTE: Requires Boring								
Rod Forging	3901085, 3901566							
C/S Forging	3907804							
Connecting Rod	Step A 26 Lbs.Ft.; Step B 51 Lbs.Ft.; Step C 73 Lbs.Ft.							
Main Bearing	Step A 44 Lbs.Ft.; Step B 88 Lbs.Ft.; Step C 129 Lbs.Ft.							



CASE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
18	377 CID (6.2L) 377,377BG,A377G,A377LP 6 Cyl				4.000in./101.6mm x 5.000in./127mm			18
	377 CID (6.2L) A377 CNG 6 Cyl				4.000in./101.6mm x 5.000in./127mm			
	377 CID (6.2L) A377D Diesel 6 Cyl				4.000in./101.6mm x 5.000in./127mm			
	377 CID (6.2L) A377S LPG 6 Cyl				4.000in./101.6mm x 5.000in./127mm			
	401 CID (6.6L) 401BD,401B,401D,401,A401BD,A401D,A401 Diesel 6 Cyl				4.125in./104.8mm x 5.000in./127mm			
	401 CID (6.6L) 401BDT,A401BDT Turbocharged Diesel 6 Cyl				4.125in./104.8mm x 5.000in./127mm			
	451 CID (7.4L) A451BD,A451D, Diesel 6 Cyl				4.375in./111.1mm x 5.000in./127mm			
451 CID (7.4L) A451BDT Turbocharged Diesel 6 Cyl				4.375in./111.1mm x 5.000in./127mm				
Rod Bearing(6)	TM-112	CB-686P	STD,10,20,30	2.7480/2.7490	0.0018/0.0043	0.0751	2.9005/2.9010	1.5960
Main Bearing Set	TM-112	MS-1498P	STD,10,20,30					
1-3-5-7		MB-2810P		2.9980/2.9990	0.0019/0.0049	0.0952	3.1910/3.1920	2.1620
2-4-6		MB-2105P		2.9980/2.9990	0.0019/0.0049	0.0952	3.1910/3.1920	1.6100
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-354S,TW-355S								
Thrust Washer Set		TW-354S	STD					
		MB-2810W		3.4770			4.5100	0.1860
NOTE: Contains 2 Pieces, Position Number 5, .186" Thickness, Use With Part Number MS-1498P								
Thrust Washer Set		TW-355S	STD					
		MB-2811W		3.4770			4.5100	0.1560
NOTE: Contains 2 Pieces, Position Number 5, .156" Thickness, Use With Part Number MS-1498P								
Cam Bearing Set	B-1	SH-705S	STD					
1		SH-704		2.2460/2.2470	0.0014/0.0054	0.0628	2.3740/2.3750	1.6660
2-3-4		SH-705		2.2460/2.2470	0.0014/0.0054	0.0628	2.3740/2.3750	1.4480
5		SH-706		2.2460/2.2470	0.0014/0.0054	0.0628	2.3740/2.3750	1.1660
NOTE: 2.250" Camshaft Journal Diameter								
Piston Pin Bushing(6)	C-1	223-3528	STD			0.0730	1.4845/1.4850	1.3770
NOTE: Engines With 1.3596" Piston Pin Diameter, Requires Boring								
Rod Forging	A24425, A27845, A58789, A278895							
C/S Forging	966441, 0970DAB							
Connecting Rod	95 To 105 Lbs.Ft.							
Main Bearing	145 To 155 Lbs.Ft.							
19	504 CID (8.3L) 504B,504D,504,A504BD Diesel 6 Cyl				4.625in./117.5mm x 5.000in./127mm			19
	504 CID (8.3L) 504DT,504DTI,A504BDT,A504BDTI Turbocharged Diesel 6 Cyl				4.625in./117.5mm x 5.000in./127mm			
Rod Bearing(6)	TM-112	CB-1237P	STD,10,20,30	2.9980/2.9990	0.0018/0.0043	0.0751	3.1505/3.1510	1.5960
Main Bearing Set	TM-112	MS-1496P	STD,10,20,30					
1-3-5-7		MB-2804P		3.4980/3.4990	0.0019/0.0049	0.0952	3.6910/3.6920	2.1620
2-4-6		MB-2805P		3.4980/3.4990	0.0019/0.0049	0.0952	3.6910/3.6920	1.2240
5		MB-2804W		3.6850			4.9950	0.1550
NOTE: Contains 2 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-450S	STD					
		MB-2804W		3.6850			4.9950	0.1550
NOTE: Contains 2 Pieces, Position Number 5								
Cam Bearing Set	B-1	SH-705S	STD					
1		SH-704		2.2460/2.2470	0.0014/0.0054	0.0628	2.3740/2.3750	1.6660
2-3-4		SH-705		2.2460/2.2470	0.0014/0.0054	0.0628	2.3740/2.3750	1.4480
5		SH-706		2.2460/2.2470	0.0014/0.0054	0.0628	2.3740/2.3750	1.1660
Piston Pin Bushing(6)	C-1	223-3575	STD			0.1000	1.9815/1.9820	1.7950
NOTE: Engines With 1.800" Piston Pin Diameter, Requires Boring								
Rod Forging	15-12, A58579							
C/S Forging	969267, A65097, A66772, A77147, A138818							
Connecting Rod	95 To 105 Lbs.Ft.							
Main Bearing	145 To 155 Lbs.Ft.							
20	505 CID (8.3L) C Series Cummins Diesel 6 Cyl				4.490in./114mm x 5.320in./135.1mm			20
Rod Bearing(6)	TM-112	CB-1409P	STD,.25mm,.50mm,.75mm,1.00mm	2.9906/2.9926	0.0013/0.0046	0.0972	3.1885/3.1895	1.5010
Main Bearing Set	TM-112	MS-1740P	STD,.25mm,.50mm					
1-2-3-5-6-7		MB-3104P		3.8568/3.8588	0.0024/0.0055	0.1360	4.1333/4.1344	1.3430
4		MB-3105P(F)		3.8568/3.8588	0.0024/0.0055	0.1360	4.1333/4.1344	1.6860



CASE (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
20 (Cont.)	505 CID (8.3L) C Series Cummins Diesel 6 Cyl				4.490in./114mm x 5.320in./135.1mm				20 (Cont.)
Cam Bearing(7)	AL-3	SH-1402	STD	2.3650/2.3660		0.0773	2.5192/2.5202	0.9940	
Piston Pin Bushing(6)	C-1	223-3642	STD			0.0890	1.9287/1.9296	1.7820	
NOTE: Requires Boring									
Rod Forging	390124715, B-390124710								
C/S Forging	390562								
Connecting Rod	Step A 30 Lbs.Ft.; Step B 60 Lbs.Ft.; Step C 88 Lbs.Ft.								
Main Bearing	Step A 37 Lbs.Ft.; Step B 88 Lbs.Ft.; Step C 129 Lbs.Ft.								
CASE INTERNATIONAL									
ENGINE DATA									
Engine	Years		Block	Engine	Years		Block		
4 CYL				4 CYL (Cont.)					
188 CID (3.1L) G188B Case			1	188 CID (3.1L) G188D Case Diesel			2		
MODEL DATA									
Model	Engine	Years	Block						
1140	188 CID (3.1L) G188B Case		1						
1140	188 CID (3.1L) G188D Case Diesel		2						
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL									
1	188 CID (3.1L) G188B Case 4 Cyl			3.813in./96.9mm x 4.125in./104.8mm				1	
Rod Bearing(4)	TM-112	CB-655P	STD,2,10,20,30	2.0605/2.0615	0.0015/0.0040	0.0622	2.1870/2.1875	1.0500	
Main Bearing Set	TM-112	MS-652P	STD,10,20						
1		MB-2192P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.2850	
2		MB-2194P(F)		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.3730	
3		MB-2195P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.5650	
Cam Bearing Set	B-1	SH-690S	STD						
1-4		SH-689		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.2280	
2-3		SH-518		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.5000	
Rod Forging	G-11176, G-11723								
C/S Forging	976321, A-39151, G-11740								
Connecting Rod	45 To 50 Lbs.Ft.								
Main Bearing	90 To 100 Lbs.Ft.								
2	188 CID (3.1L) G188D Case Diesel 4 Cyl			3.813in./96.9mm x 4.125in./104.8mm				2	
Rod Bearing(4)	TM-112	CB-655P	STD,2,10,20,30	2.0605/2.0615	0.0015/0.0040	0.0622	2.1870/2.1875	1.0500	
Main Bearing Set	TM-112	MS-651P	STD,10,20						
1		MB-2192P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.2850	
2-4		MB-2193P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.0000	
3		MB-2194P(F)		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.3730	
5		MB-2195P		2.8730/2.8740	0.0011/0.0041	0.0956	3.0660/3.0670	1.5650	
Cam Bearing Set		SH-1191S	STD						
1		SH-689		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	1.2280	
2-3-4		SH-518		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.5000	
5		SH-1191		1.7490/1.7500	0.0020/0.0060	0.0640	1.8800/1.8810	0.9850	
NOTE: From 1977,Engines With Tachometer Drive									
Rod Forging	G-11176, G-11723								
C/S Forging	A-39151, G-11741								
Connecting Rod	45 To 50 Lbs.Ft.								
Main Bearing	90 To 100 Lbs.Ft.								



CATERPILLAR

ENGINE DATA

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
1670 350 CID (5.7L) Diesel Turbocharged	4.500in./114.3mmX5.500in./139.7mm	3	6 CYL (Cont.)		
3114 268 CID (4.4L) Diesel	4.134in./105mmX5.000in./127mm	1	D343 893 CID (14.6L) Diesel	5.400in./137.2mmX6.500in./165.1mm	11
3204 318 CID (5.2L) Diesel	4.500in./114.3mmX5.000in./127mm	2	D353 1473 CID (24.2L) Diesel	6.250in./158.8mmX8.000in./203.2mm	17
3304NA 425 CID (7.0L) Diesel	4.750in./120.7mmX6.000in./152.4mm	3	D353C 1473 CID (24.2L) Diesel	6.250in./158.8mmX8.000in./203.2mm	17
D315 350 CID (5.7L) Diesel	4.500in./114.3mmX5.500in./139.7mm	4	D353C 1473 CID (24.2L) Diesel Turbocharged	6.250in./158.8mmX8.000in./203.2mm	17
D315G 350 CID (5.7L) Diesel	4.500in./114.3mmX5.500in./139.7mm	4	D353D 1473 CID (24.2L) Diesel	6.250in./158.8mmX8.000in./203.2mm	17
D330 350 CID (5.7L) Diesel	4.500in./114.3mmX5.500in./139.7mm	3	D353E 1473 CID (24.2L) Diesel	6.250in./158.8mmX8.000in./203.2mm	17
D330A 350 CID (5.7L) Diesel	4.500in./114.3mmX5.500in./139.7mm	3	D13000 1246 CID (20.4L) Diesel	5.750in./146.1mmX8.000in./203.2mm	15
D330B 350 CID (5.7L) Diesel	4.500in./114.3mmX5.500in./139.7mm	3	G333 525 CID (8.6L) CNG	4.500in./114.3mmX5.500in./139.7mm	10
D330C 425 CID (7.0L) Diesel	4.750in./120.7mmX6.000in./152.4mm	3	G333A 525 CID (8.6L) CNG	4.500in./114.3mmX5.500in./139.7mm	10
D339 831 CID/13628CC (13.6L) Diesel	5.750in./146.1mmX8.000in./203.2mm	6	G333B 525 CID (8.6L) CNG	4.500in./114.3mmX5.500in./139.7mm	8
D340 595 CID/9766CC (9.8L) Diesel	5.400in./137.2mmX6.500in./165.1mm	5	G333C 525 CID (8.6L) CNG	4.500in./114.3mmX5.500in./139.7mm	8
D6600 831 CID/13628CC (13.6L) Diesel	5.750in./146.1mmX8.000in./203.2mm	6	G342 1246 CID (20.4L) LPG	5.750in./146.1mmX8.000in./203.2mm	15
D7700 831 CID/13628CC (13.6L) Diesel	5.750in./146.1mmX8.000in./203.2mm	6	G342C 1246 CID (20.4L) CNG	5.750in./146.1mmX8.000in./203.2mm	16
D8800 831 CID/13628CC (13.6L) Diesel	5.750in./146.1mmX8.000in./203.2mm	6	G343 893 CID (14.6L) LPG	5.400in./137.2mmX6.500in./165.1mm	11
D8841 831 CID/13628CC (13.6L) Diesel	5.750in./146.1mmX8.000in./203.2mm	6	G353 1473 CID (24.2L) LPG	6.250in./158.8mmX8.000in./203.2mm	17
G3304 425 CID (7.0L) CNG	4.750in./120.7mmX6.000in./152.4mm	3	G3306TA 638 CID (10.5L) CNG Turbocharged/Aftercooled	4.750in./120.7mmX6.000in./152.4mm	8
6 CYL			8 CYL		
1673 525 CID (8.6L) Diesel	4.500in./114.3mmX5.500in./139.7mm	8	1140 522 CID (8.6L) Diesel	4.500in./114.3mmX4.100in./104.1mm	18
1673 638 CID (10.5L) Diesel	4.750in./120.7mmX6.000in./152.4mm	8	1145 522 CID (8.6L) Diesel	4.500in./114.3mmX4.100in./104.1mm	18
1673C 638 CID (10.5L) Diesel Turbocharged	4.750in./120.7mmX6.000in./152.4mm	8	1150 573 CID (9.4L) Diesel	4.500in./114.3mmX4.500in./114.3mm	18
1674 638 CID (10.5L) Diesel Turbocharged	4.750in./120.7mmX6.000in./152.4mm	8	1160 636 CID (10.4L) Diesel	4.500in./114.3mmX5.000in./127mm	19
1693 893 CID (14.6L) Diesel	5.400in./137.2mmX6.500in./165.1mm	11	3145 522 CID (8.6L) Diesel	4.500in./114.3mmX4.100in./104.1mm	18
1693T 893 CID (14.6L) Diesel Turbocharged	5.400in./137.2mmX6.500in./165.1mm	11	3150 573 CID (9.4L) Diesel	4.500in./114.3mmX4.500in./114.3mm	18
3116 403 CID (6.6L) Diesel	4.134in./105mmX5.000in./127mm	7	3160 636 CID (10.4L) Diesel	4.500in./114.3mmX5.000in./127mm	19
3126 442 CID (7.2L) Diesel	4.330in./110mmX5.000in./127mm	7	3208 636 CID (10.4L) Diesel	4.500in./114.3mmX5.000in./127mm	20
3126B 442 CID (7.2L) Diesel Turbocharged/Intercooled	4.330in./110mmX5.000in./127mm	7	3208T 636 CID (10.4L) Diesel Turbocharged	4.500in./114.3mmX5.000in./127mm	20
3126C 442 CID (7.2L) Diesel Turbocharged/Intercooled	4.330in./110mmX5.000in./127mm	7	3408TA 1099 CID (18.0L) Diesel Turbocharged/Aftercooled	5.400in./137.2mmX6.000in./152.4mm	21
3126E 442 CID (7.2L) Diesel Turbocharged/Intercooled	4.330in./110mmX5.000in./127mm	7	3508 2115 CID (34.7L) Diesel	6.700in./170.2mmX7.500in./190.5mm	25
3306 638 CID (10.5L) Diesel	4.750in./120.7mmX6.000in./152.4mm	8	D346 1191 CID (19.5L) Diesel	5.400in./137.2mmX6.500in./165.1mm	22
3306DIT 638 CID (10.5L) Diesel Turbocharged	4.750in./120.7mmX6.000in./152.4mm	8	D364 1662 CID (27.3L) Diesel	5.750in./146.1mmX8.000in./203.2mm	23
3306T 638 CID (10.5L) Diesel Turbocharged	4.750in./120.7mmX6.000in./152.4mm	8	D375 1662 CID (27.3L) Diesel	5.750in./146.1mmX8.000in./203.2mm	23
3406B 893 CID (14.6L) Diesel Turbocharged	5.400in./137.2mmX6.500in./165.1mm	12	D379 1964 CID (32.2L) Diesel	6.250in./158.8mmX8.000in./203.2mm	24
3406B ATAAC 893 CID (14.6L) Diesel Turbocharged	5.400in./137.2mmX6.500in./165.1mm	12	D379A 1964 CID (32.2L) Diesel	6.250in./158.8mmX8.000in./203.2mm	24
3406B-JWAC 893 CID (14.6L) Diesel Turbocharged	5.400in./137.2mmX6.500in./165.1mm	12	D379B 1964 CID (32.2L) Diesel	6.250in./158.8mmX8.000in./203.2mm	24
3406C 893 CID (14.6L) Diesel Turbocharged	5.400in./137.2mmX6.500in./165.1mm	12	G379 1964 CID (32.2L) CNG	6.250in./158.8mmX8.000in./203.2mm	24
3406E 893 CID (14.6L) Diesel Turbocharged	5.400in./137.2mmX6.500in./165.1mm	13	12 CYL		
3406T 893 CID (14.6L) Diesel Turbocharged	5.400in./137.2mmX6.500in./165.1mm	14	3412 1649 CID/27043CC (27.0L) Diesel	5.400in./137.2mmX6.000in./152.4mm	26
D318 525 CID (8.6L) Diesel Turbocharged	4.500in./114.3mmX5.500in./139.7mm	9	3412T 1649 CID/27043CC (27.0L) Diesel Turbocharged	5.400in./137.2mmX6.000in./152.4mm	26
D318G 525 CID (8.6L) Diesel	4.500in./114.3mmX5.500in./139.7mm	9	3512 3173 CID (52.0L) Diesel	6.700in./170.2mmX7.500in./190.5mm	30
D333 525 CID (8.6L) Diesel	4.500in./114.3mmX5.500in./139.7mm	10	D348 1786 CID (29.3L) Diesel	5.400in./137.2mmX6.500in./165.1mm	27
D333A 525 CID (8.6L) Diesel	4.500in./114.3mmX5.500in./139.7mm	8	D386 2493 CID (40.9L) Diesel	5.750in./146.1mmXin./mm	28
D333B 525 CID (8.6L) Diesel	4.500in./114.3mmX5.500in./139.7mm	8	D397 2493 CID (40.9L) Diesel	5.750in./146.1mmXin./mm	28
D333C 638 CID (10.5L) Diesel	4.750in./120.7mmX6.000in./152.4mm	8	D398 2946 CID (48.3L) Diesel	6.250in./158.8mmX8.000in./203.2mm	29
D334 638 CID (10.5L) Diesel	4.750in./120.7mmX6.000in./152.4mm	8	D398A 2946 CID (48.3L) Diesel	6.250in./158.8mmX8.000in./203.2mm	29
D342 1246 CID (20.4L) Diesel	5.750in./146.1mmX8.000in./203.2mm	15	D398B 2946 CID (48.3L) Diesel	6.250in./158.8mmX8.000in./203.2mm	29
D342C 1246 CID (20.4L) Diesel	5.750in./146.1mmX8.000in./203.2mm	15	G398 2946 CID (48.3L) CNG	6.250in./158.8mmX8.000in./203.2mm	29
D342T 1246 CID (20.4L) Diesel Turbocharged	5.750in./146.1mmX8.000in./203.2mm	16	16 CYL		
			3516NA 4210 CID (69L) Diesel	6.700in./170.2mmX7.500in./190.5mm	33
			D349 2382 CID (39.1L) Diesel	5.400in./137.2mmX6.500in./165.1mm	31
			D399 3928 CID (64.4L) Diesel	6.250in./158.8mmX8.000in./203.2mm	32
			D399B 3928 CID (64.4L) Diesel	6.250in./158.8mmX8.000in./203.2mm	32
			G399 3928 CID (64.4L) CNG	6.250in./158.8mmX8.000in./203.2mm	32



CATERPILLAR (Cont.)											
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
4F-2884	5.500in./139.7mm	3	4F-2884	6.000in./152.4mm	8	7B-6225	8.000in./203.2mm	6	8N-3753	5.000in./127mm	2
4F-2884	5.500in./139.7mm	4	4F-2884	5.500in./139.7mm	9	7B-6225	8.000in./203.2mm	15			
4F-2884	6.000in./152.4mm	3	4N-389	6.000in./152.4mm	21	7B-6225	8.000in./203.2mm	16			
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1W-5008	6.000in./152.4mm	21	3F-5020	5.500in./139.7mm	9	4M-9960	5.500in./139.7mm	3	7B-9578	8.000in./203.2mm	6
1W-6208	6.000in./152.4mm	21	3F-5020	5.500in./139.7mm	10	4M-9960	6.000in./152.4mm	3	7B-9620	8.000in./203.2mm	15
1W-6209	6.000in./152.4mm	21	3F-5026	5.500in./139.7mm	4	4N-0008	6.000in./152.4mm	21	7B-9620	8.000in./203.2mm	16
1W-9771	5.000in./127mm	2	3F-6777	5.500in./139.7mm	4	5F-5020	5.500in./139.7mm	9	7B-9654	5.500in./139.7mm	4
2B-6488	8.000in./203.2mm	15	4F-8510	8.000in./203.2mm	6	5H-7375	5.500in./139.7mm	8	7F-8511	8.000in./203.2mm	6
2B-6488	8.000in./203.2mm	16	4F-8511	8.000in./203.2mm	15	5H-7375	5.500in./139.7mm	9	7M-4400	5.500in./139.7mm	8
2H-862	8.000in./203.2mm	6	4F-8511	8.000in./203.2mm	16	5H-7375	5.500in./139.7mm	10	7M-4400	5.500in./139.7mm	10
2M-5170	5.500in./139.7mm	3	4F-9623	8.000in./203.2mm	6	6F-1913	8.000in./203.2mm	15	7N-3408	6.000in./152.4mm	21
2M-5170	6.000in./152.4mm	3	4H-7032	8.000in./203.2mm	15	6F-1913	8.000in./203.2mm	16	8F-6777	5.500in./139.7mm	4
3B-7934	8.000in./203.2mm	15	4H-7032	8.000in./203.2mm	16	6F-1914	8.000in./203.2mm	6	8H-5320	8.000in./203.2mm	15
3B-7934	8.000in./203.2mm	16	4H-9591	8.000in./203.2mm	17	6H-5840	8.000in./203.2mm	17	8H-5320	8.000in./203.2mm	16
3B-7937	8.000in./203.2mm	15	4M-447	8.000in./203.2mm	15	7B-7452	8.000in./203.2mm	6	8M-4500	5.500in./139.7mm	8
3B-7937	8.000in./203.2mm	16	4M-447	8.000in./203.2mm	16	7B-7937	8.000in./203.2mm	15	8M-4500	5.500in./139.7mm	10
3B-9511	8.000in./203.2mm	15	4M-9352	8.000in./203.2mm	6	7B-7937	8.000in./203.2mm	16	8M-4502	5.500in./139.7mm	8
3B-9511	8.000in./203.2mm	16	4M-9950	5.500in./139.7mm	3	7B-9511	8.000in./203.2mm	15	8M-4502	5.500in./139.7mm	10
3F-5020	5.500in./139.7mm	8	4M-9950	6.000in./152.4mm	3	7B-9511	8.000in./203.2mm	16	9N-8013	4.500in./114.3mm	18
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	4 CYL		
1	268 CID (4.4L) 3114 Diesel 4 Cyl					4.134in./105mm x 5.000in./127mm			1		
Rod Bearing(4)	TM-77	CB-1620P	STD,.25mm,.50mm	2.7551/2.7567	0.0016/0.0052	0.0970	2.9523/2.9533	1.3300			
Main Bearing Set	TM-77	MS-2064P	STD,.25mm,.50mm								
1-3-5		MB-3455P		3.5425/3.5441	0.0020/0.0056	0.0968	3.7397/3.7407	1.2550			
2		MB-3454P		3.5425/3.5441	0.0020/0.0056	0.0968	3.7397/3.7407	1.2550			
4		MB-3456P(F)		3.5425/3.5441	0.0020/0.0056	0.0968	3.7397/3.7407	1.4890			
2	318 CID (5.2L) 3204 Diesel 4 Cyl					4.500in./114.3mm x 5.000in./127mm			2		
Rod Bearing(4)	TM-112	CB-1599P	STD,10,20	2.7489/2.7505	0.0021/0.0055	0.0948	2.9413/2.9423	1.2550			
Main Bearing Set	TM-112	MS-2000P	STD,10								
1-3-5		MB-3415P		3.4990/3.5000	0.0030/0.0066	0.1022	3.7075/3.7085	1.1700			
2-4		MB-3414P		3.4990/3.5000	0.0030/0.0066	0.1022	3.7075/3.7085	1.1730			
3		MB-3451W		4.0500/4.0700			5.0500/5.0700	0.2150			
NOTE: Contains 2 Piece Thrust Washer Set, Use In Number 3 Position											
Main Bearing Set	TM-112	MS-2020P	STD,10,20,30								
1-3-5		MB-2733P		3.4990/3.5000	0.0023/0.0053	0.1025	3.7070/3.7080	1.0000			
2-4		MB-2734P		3.4990/3.5000	0.0018/0.0048	0.1025	3.7070/3.7080	1.0000			
3		MB-2580W		4.0500/4.0700			5.0500/5.0700	0.1860			
NOTE: From Engine Serial No. 45V1 , Contains 2 Piece Thrust Washer Set, Use In Number 3 Position											
Thrust Washer Set		TW-252S	STD								
		MB-2580W		4.0500/4.0700			5.0500/5.0700	0.1860			
NOTE: From Engine Serial No. 45V1 , Contains 2 Pieces, Position Number 3											
Thrust Washer(2)		MB-3451W	STD	4.0500/4.0700			5.0500/5.0700	0.2150			
NOTE: Contains 1 Piece, Position Number 3											
Cam Bearing Set	AL-3	SH-1762S	STD								
1		SH-1762		2.4995/2.5005	0.0004/0.0010	0.0750	2.6520/2.6530	1.8900			
2-3		SH-1245		2.4995/2.5005	0.0004/0.0010	0.0750	2.6520/2.6530	0.7600			
Rod Forging	8N-3753										
C/S Forging	1W-9771										
Connecting Rod	30 Lbs.Ft. Plus 60 Degrees										
Main Bearing	45 Lbs.Ft. Plus 60 Degrees										
3	350 CID (5.7L) 1670 Turbocharged Diesel 4 Cyl					4.500in./114.3mm x 5.500in./139.7mm			3		
	350 CID (5.7L) D330A,D330B,D330 Diesel 4 Cyl					4.500in./114.3mm x 5.500in./139.7mm					
	425 CID (7.0L) 3304NA,D330C Diesel 4 Cyl					4.750in./120.7mm x 6.000in./152.4mm					
	425 CID (7.0L) G3304 CNG 4 Cyl					4.750in./120.7mm x 6.000in./152.4mm					
Rod Bearing(4)	TM-112	CB-619AL	STD,10,20,30,50	2.9990/3.0000	0.0035/0.0061	0.1230	3.2490/3.2500	1.5050			



CATERPILLAR (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
3 (Cont.)	350 CID (5.7L) 1670 Turbocharged Diesel 4 Cyl 350 CID (5.7L) D330A,D330B,D330 Diesel 4 Cyl 425 CID (7.0L) 3304NA,D330C Diesel 4 Cyl 425 CID (7.0L) G3304 CNG 4 Cyl				4.500in./114.3mm x 5.500in./139.7mm 4.500in./114.3mm x 5.500in./139.7mm 4.750in./120.7mm x 6.000in./152.4mm 4.750in./120.7mm x 6.000in./152.4mm				3 (Cont.)
Main Bearing Set 1-2-3-4 5	TM-112	MS-957AL MB-2580AL MB-2581AL(F)	STD,10,20,30	3.4990/3.5000 3.4990/3.5000	0.0021/0.0051 0.0021/0.0051	0.1566 0.1566	3.8150/3.8160 3.8150/3.8160	1.1300 1.6760	
NOTE: Contains Lower Half Flanged Bearing									
Main Bearing Set 1-2-3-4-5	TM-112	MS-1113AL MB-2580AL	STD,10,20,30,50	3.4990/3.5000	0.0021/0.0051	0.1566	3.8150/3.8160	1.1300	
NOTE: Contains Straight Shell Bearings, Use With Part Number TW-252S									
Thrust Washer Set NOTE: Contains 2 Pieces, Position Number 5, Use With Part Number MS-1113AL		TW-252S MB-2580W	STD	4.0500/4.0700			5.0500/5.0700	0.1860	
Thrust Washer Set NOTE: Contains 2 Pieces, Position Number 5, .232" Oversize Length, Use With Part Number MS-1113AL		TW-409S MB-3057W	STD	4.0500/4.0700			5.0500/5.0700	0.2320	
Thrust Washer(2) NOTE: Contains 1 Piece, Position Number 5, .215" Oversize Length, Use With Part Number MS-1113AL		MB-3451W	STD	4.0500/4.0700			5.0500/5.0700	0.2150	
Piston Pin Bushing(4) NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 8N702, Requires Boring	C-1	223-3572	STD			0.0750	1.6255/1.6260	1.4000	
Piston Pin Bushing(4) NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 9H3984, Requires Boring, 1.633" Outside Diameter	C-1	223-3574	STD			0.0770	1.6295/1.6300	1.4500	
Piston Pin Bushing(4) NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 8N703, Requires Boring, 1.8255" Outside Diameter	C-1	223-3578	STD			0.0750	1.8250/1.8255	1.4200	
Piston Pin Bushing(4) NOTE: Engines With Tapered Pin Bushings,Original Equipment Part Number 8N1849, Requires Boring	C-1	223-3643	STD			0.0750	1.8250/1.8255	1.6110	
Rod Forging C/S Forging	4F-2884 2M-5170, 4M-9950, 4M-9960								
Connecting Rod Main Bearing Main Bearing	85 Lbs.Ft. 155 Lbs.Ft. (Nuts) 75 To 85 Lbs.Ft. (Studs)								
4	350 CID (5.7L) D315,D315G Diesel 4 Cyl				4.500in./114.3mm x 5.500in./139.7mm				4
Rod Bearing(4) NOTE: Contains Full Grooved Bearings,Oil Hole In Both Halves	TM-112	CB-400AL	STD,10,20,30,50	2.9990/3.0000	0.0035/0.0065	0.1625	3.3280/3.3290	1.5000	
Rod Bearing(4) NOTE: Plain Upper and Lower Halves	TM-112	CB-619AL	STD,10,20,30,50	2.9990/3.0000	0.0035/0.0061	0.1230	3.2490/3.2500	1.5050	
Main Bearing Set 1-2-3-4 5 NOTE: 3.8150/3.8160" Housing Bore,Eng. With .156" Wall Bearings, Contains Lower Half Flanged Bearing	TM-112	MS-957AL MB-2580AL MB-2581AL(F)	STD,10,20,30	3.4990/3.5000 3.4990/3.5000	0.0021/0.0051 0.0021/0.0051	0.1566 0.1566	3.8150/3.8160 3.8150/3.8160	1.1300 1.6760	
Main Bearing Set 1-2-3-4-5 NOTE: 3.8150/3.8160" Housing Bore,Eng. With .156" Wall Bearings, Contains Straight Shell Bearings, Use With Part Number TW-252S	TM-112	MS-1113AL MB-2580AL	STD,10,20,30,50	3.4990/3.5000	0.0021/0.0051	0.1566	3.8150/3.8160	1.1300	
Thrust Washer Set NOTE: Contains 2 Pieces, Position Number 5, Use With Part Number MS-1113AL		TW-252S MB-2580W	STD	4.0500/4.0700			5.0500/5.0700	0.1860	
Thrust Washer Set NOTE: Contains 2 Pieces, Position Number 5, .232" Oversize Length, Use With Part Number MS-1113AL		TW-409S MB-3057W	STD	4.0500/4.0700			5.0500/5.0700	0.2320	



CATERPILLAR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
4 (Cont.)	350 CID (5.7L) D315,D315G Diesel 4 Cyl			4.500in./114.3mm x 5.500in./139.7mm				4 (Cont.)
Thrust Washer(2)	MB-3451W	STD		4.0500/4.0700			5.0500/5.0700	0.2150
NOTE: Contains 1 Piece,Optional, Position Number 5, .215" Oversize Length, Use With Part Number MS-1113AL								
Piston Pin Bushing(4)	C-1	223-3571	STD			0.1260	2.0405/2.0410	1.6970
NOTE: Requires Boring, 2.040" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3572	STD			0.0750	1.6255/1.6260	1.4000
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 8N702, Requires Boring								
Piston Pin Bushing(4)	C-1	223-3574	STD			0.0770	1.6295/1.6300	1.4500
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 9H3984, Requires Boring, 1.633" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3578	STD			0.0750	1.8250/1.8255	1.4200
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 8N703, Requires Boring								
Piston Pin Bushing(4)	C-1	223-3643	STD			0.0750	1.8250/1.8255	1.6110
NOTE: Engines With Tapered Pin Bushings,Original Equipment Part Number 8N1849, Requires Boring								
Rod Forging	4F-2884							
C/S Forging	3F-5026, 3F-6777, 7B-9654, 8F-6777							
Connecting Rod	85 Lbs.Ft.							
Main Bearing	155 Lbs.Ft. (Nuts)							
Main Bearing	75 To 85 Lbs.Ft. (Studs)							
5	595 CID/9766CC (9.8L) D340 Diesel 4 Cyl			5.400in./137.2mm x 6.500in./165.1mm				5
Rod Bearing(4)	TM-77	CB-694AL	STD,25,50	3.5395/3.5405	0.0030/0.0060	0.1560	3.8550/3.8560	1.7750
Main Bearing Set 1-2-3-4	TM-77	MS-856AL	STD,25	4.4995/4.5005	0.0038/0.0068	0.1905	4.8850/4.8860	1.5100
5		MB-2279AL		4.4995/4.5005	0.0038/0.0068	0.1905	4.8850/4.8860	2.0880
NOTE: Contains Lower Half Flanged Bearing								
Connecting Rod	17 To 23 Lbs.Ft.							
Main Bearing	350 Lbs.Ft.							
6	831 CID/13628CC (13.6L) D339,D6600,D7700,D8800,D8841 Diesel 4 Cyl			5.750in./146.1mm x 8.000in./203.2mm				6
Rod Bearing(4)	TM-112	CB-817AL	STD,10,25,50,75	3.6240/3.6250	0.0036/0.0066	0.1692	3.9665/3.9675	2.5670
NOTE: Replaces 2.572" Length Bearing,Replaces 2.659" Length Bearing, 2.567" Length								
Rod Bearing(4)	TM-112	CB-964AL	STD,10,25,50	3.6240/3.6250	0.0036/0.0066	0.1692	3.9665/3.9675	2.0000
NOTE: 2.000" Length								
Main Bearing Set 1-2-4-5	TM-112	MS-1049AL	STD,25	4.2600/4.2610	0.0033/0.0063	0.1800	4.6240/4.6250	1.7800
3		MB-2585AL		4.2600/4.2610	0.0033/0.0063	0.1800	4.6240/4.6250	3.8590
NOTE: 4.6240/4.6250" Housing Bore,Engines With .172" Wall Bearings, Contains Flanged Bearing								
Piston Pin Bushing(4)	C-1	223-3580	STD			0.1340	2.6155/2.6160	2.0720
NOTE: Requires Boring								
Rod Forging	7B-6225							
C/S Forging	2H-862, 4F-8510, 4F-9623, 4M-9352, 6F-1914, 7B-7452, 7B-9578, 7F-8511							
Connecting Rod	123 To 127 Lbs.Ft.							
Main Bearing	350 Lbs.Ft. (7/8" Bolts)							
Main Bearing	58 Lbs.Ft. (5/8" Bolts)							
6 CYL								
7	403 CID (6.6L) 3116 Diesel 6 Cyl			4.134in./105mm x 5.000in./127mm				7
	442 CID (7.2L) 3126B,3126C,3126E Turbocharged/Intercooled Diesel 6 Cyl			4.330in./110mm x 5.000in./127mm				
	442 CID (7.2L) 3126 Diesel 6 Cyl			4.330in./110mm x 5.000in./127mm				
Rod Bearing(6)	TM-77	CB-1620P	STD,.25mm,.50mm	2.7551/2.7567	0.0016/0.0052	0.0970	2.9523/2.9533	1.3300



CATERPILLAR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
7 (Cont.)	403 CID (6.6L) 3116 Diesel 6 Cyl				4.134in./105mm x 5.000in./127mm			7 (Cont.)
	442 CID (7.2L) 3126B,3126C,3126E Turbocharged/Intercooled Diesel 6 Cyl				4.330in./110mm x 5.000in./127mm			
	442 CID (7.2L) 3126 Diesel 6 Cyl				4.330in./110mm x 5.000in./127mm			
Main Bearing Set	TM-77	MS-2065P	STD,.25mm,.50mm					
1-4-7		MB-3455P		3.5425/3.5441	0.0020/0.0056	0.0968	3.7397/3.7407	1.2550
2-3-5		MB-3454P		3.5425/3.5441	0.0020/0.0056	0.0968	3.7397/3.7407	1.2550
6		MB-3456P(F)		3.5425/3.5441	0.0020/0.0056	0.0968	3.7397/3.7407	1.4890
NOTE: Blocks With Grooved Main Housing Bore								
Main Bearing Set		MS-2219P	STD,.25mm,.50mm					
1-2-3-4-5-6-7		MB-3454P		3.5425/3.5441	0.0020/0.0056	0.0968	3.7397/3.7407	1.2550
6		MB-3456P(F)		3.5425/3.5441	0.0020/0.0056	0.0968	3.7397/3.7407	1.4890
NOTE: Except Blocks With Grooved Main Housing Bore								
8	525 CID (8.6L) 1673,D333A,D333B Diesel 6 Cyl				4.500in./114.3mm x 5.500in./139.7mm			8
	525 CID (8.6L) G333B,G333C CNG 6 Cyl				4.500in./114.3mm x 5.500in./139.7mm			
	638 CID (10.5L) 1673C,1674,3306DIT,3306T Turbocharged Diesel 6 Cyl				4.750in./120.7mm x 6.000in./152.4mm			
	638 CID (10.5L) 1673,3306,D333C,D334 Diesel 6 Cyl				4.750in./120.7mm x 6.000in./152.4mm			
	638 CID (10.5L) G3306TA Turbocharged/Aftercooled CNG 6 Cyl				4.750in./120.7mm x 6.000in./152.4mm			
Rod Bearing(6)	TM-112	CB-619AL	STD,10,20,30,50	2.9990/3.0000	0.0035/0.0061	0.1230	3.2490/3.2500	1.5050
Main Bearing Set	TM-112	MS-958AL	STD,10,20,30					
1-2-3-4-5-6		MB-2580AL		3.4990/3.5000	0.0021/0.0051	0.1566	3.8150/3.8160	1.1300
7		MB-2581AL(F)		3.4990/3.5000	0.0021/0.0051	0.1566	3.8150/3.8160	1.6760
NOTE: Contains Flanged Bearing								
Main Bearing Set	TM-112	MS-1114AL	STD,10,20,30,50					
1-2-3-4-5-6-7		MB-2580AL		3.4990/3.5000	0.0021/0.0051	0.1566	3.8150/3.8160	1.1300
NOTE: Contains Straight Shell Bearings, Use With Part Number TW-252S								
Thrust Washer Set		TW-252S	STD					
		MB-2580W		4.0500/4.0700			5.0500/5.0700	0.1860
NOTE: Contains 2 Pieces, Position Number 7, Use With Part Number MS-1114AL								
Thrust Washer Set		TW-409S	STD					
		MB-3057W		4.0500/4.0700			5.0500/5.0700	0.2320
NOTE: Contains 2 Pieces, Position Number 7, .232" Oversize Length, Use With Part Number MS-1114AL								
Thrust Washer(2)		MB-3451W	STD	4.0500/4.0700			5.0500/5.0700	0.2150
NOTE: Contains 1 Piece,Optional, Position Number 7, .215" Oversize Length, Use With Part Number MS-1114AL								
Piston Pin Bushing(6)	C-1	223-3572	STD			0.0750	1.6255/1.6260	1.4000
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 8N702,Replaces Original Equipment Number 8N702, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3574	STD			0.0770	1.6295/1.6300	1.4500
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 9H3984,Replaces Original Equipment Number 9H3984, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3578	STD			0.0750	1.8250/1.8255	1.4200
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 8N703,Replaces Original Equipment Number 8N703, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3643	STD			0.0750	1.8250/1.8255	1.6110
NOTE: Engines With Tapered Pin Bushings,Original Equipment Part Number 8N1849,Replaces Original Equipment Number 8N1849, Requires Boring								
Rod Forging	4F-2884							
C/S Forging	3F-5020, 5H-7375, 7M-4400, 8M-4500, 8M-4502							
Connecting Rod	85 Lbs.Ft.							
Main Bearing	155 Lbs.Ft. (Nuts)							
Main Bearing	75 To 85 Lbs.Ft. (Studs)							
9	525 CID (8.6L) D318 Turbocharged Diesel 6 Cyl				4.500in./114.3mm x 5.500in./139.7mm			9
	525 CID (8.6L) D318G Diesel 6 Cyl				4.500in./114.3mm x 5.500in./139.7mm			
Rod Bearing(6)	TM-112	CB-400AL	STD,10,20,30,50	2.9990/3.0000	0.0035/0.0065	0.1625	3.3280/3.3290	1.5000
NOTE: Contains Full Grooved Bearings,Oil Hole In Both Halves								
Rod Bearing(6)	TM-112	CB-619AL	STD,10,20,30,50	2.9990/3.0000	0.0035/0.0061	0.1230	3.2490/3.2500	1.5050
NOTE: Plain Upper and Lower Halves								



CATERPILLAR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
9 (Cont.)	525 CID (8.6L) D318 Turbocharged Diesel 6 Cyl			4.500in./114.3mm x 5.500in./139.7mm				9 (Cont.)
	525 CID (8.6L) D318G Diesel 6 Cyl			4.500in./114.3mm x 5.500in./139.7mm				
Main Bearing Set 1-2-3-4-5-6	TM-112	MS-958AL	STD,10,20,30	3.4990/3.5000	0.0021/0.0051	0.1566	3.8150/3.8160	1.1300
7		MB-2580AL		3.4990/3.5000	0.0021/0.0051	0.1566	3.8150/3.8160	1.6760
NOTE: 3.8150/3.8160" Housing Bore,Eng. With .156" Wall Bearings, Contains Flanged Bearing								
Main Bearing Set 1-2-3-4-5-6-7	TM-112	MS-1114AL	STD,10,20,30,50	3.4990/3.5000	0.0021/0.0051	0.1566	3.8150/3.8160	1.1300
NOTE: 3.8150/3.8160" Housing Bore,Eng. With .156" Wall Bearings, Contains Straight Shell Bearings, Use With Part Number TW-252S								
Thrust Washer Set		TW-252S	STD	4.0500/4.0700			5.0500/5.0700	0.1860
NOTE: Contains 2 Pieces, Position Number 7, Use With Part Number MS-1114AL								
Thrust Washer Set		TW-409S	STD	4.0500/4.0700			5.0500/5.0700	0.2320
NOTE: Contains 2 Pieces,Optional, Position Number 7, .232" Oversize Length, Use With Part Number MS-1114AL								
Thrust Washer(2)		MB-3451W	STD	4.0500/4.0700			5.0500/5.0700	0.2150
NOTE: Contains 1 Piece,Optional, Position Number 7, .215" Oversize Length, Use With Part Number MS-1114AL								
Piston Pin Bushing(6)	C-1	223-3571	STD			0.1260	2.0405/2.0410	1.6970
NOTE: Requires Boring, 2.040" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3572	STD			0.0750	1.6255/1.6260	1.4000
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 8N702, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3574	STD			0.0770	1.6295/1.6300	1.4500
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 9H3984, Requires Boring, 1.633" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3578	STD			0.0750	1.8250/1.8255	1.4200
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 8N703, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3643	STD			0.0750	1.8250/1.8255	1.6110
NOTE: Engines With Tapered Pin Bushings,Original Equipment Part Number 8N1849, Requires Boring								
Rod Forging	4F-2884							
C/S Forging	3F-5020, 5F-5020, 5H-7375							
Connecting Rod	85 Lbs.Ft.							
Main Bearing	155 Lbs.Ft. (Nuts)							
Main Bearing	75 To 85 Lbs.Ft. (Studs)							
10	525 CID (8.6L) D333 Diesel 6 Cyl			4.500in./114.3mm x 5.500in./139.7mm				10
	525 CID (8.6L) G333A,G333 CNG 6 Cyl			4.500in./114.3mm x 5.500in./139.7mm				
Piston Pin Bushing(6)	C-1	223-3572	STD			0.0750	1.6255/1.6260	1.4000
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 8N702, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3574	STD			0.0770	1.6295/1.6300	1.4500
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 9H3984, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3578	STD			0.0750	1.8250/1.8255	1.4200
NOTE: Engines With Cylindrical Pin Bushings,Original Equipment Part Number 8N703, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3643	STD			0.0750	1.8250/1.8255	1.6110
NOTE: Engines With Tapered Pin Bushings,Original Equipment Part Number 8N1849, Requires Boring								
C/S Forging	3F-5020, 5H-7375, 7M-4400, 8M-4500, 8M-4502							



CATERPILLAR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
10 (Cont.)	525 CID (8.6L) D333 Diesel 6 Cyl 525 CID (8.6L) G333A,G333 CNG 6 Cyl				4.500in./114.3mm x 5.500in./139.7mm 4.500in./114.3mm x 5.500in./139.7mm			10 (Cont.)
Connecting Rod	85 Lbs.Ft.							
Main Bearing	155 Lbs.Ft. (Nuts)							
Main Bearing	75 To 85 Lbs.Ft. (Studs)							
11	893 CID (14.6L) 1693,D343 Diesel 6 Cyl 893 CID (14.6L) 1693T Turbocharged Diesel 6 Cyl 893 CID (14.6L) G343 LPG 6 Cyl				5.400in./137.2mm x 6.500in./165.1mm 5.400in./137.2mm x 6.500in./165.1mm 5.400in./137.2mm x 6.500in./165.1mm			11
Rod Bearing(6)	TM-112	CB-694AL	STD,25,50	3.5395/3.5405	0.0030/0.0060	0.1560	3.8550/3.8560	1.7750
Main Bearing Set	TM-112	MS-712AL	STD,25,50					
1-2-3-4-5-6		MB-2279AL		4.4995/4.5005	0.0038/0.0068	0.1905	4.8850/4.8860	1.5100
7		MB-2280AL(F)		4.4995/4.5005	0.0038/0.0068	0.1905	4.8850/4.8860	2.0880
NOTE: Contains Flanged Bearing								
Piston Pin Bushing(6)	C-1	223-3568	STD			0.1110	2.1825/2.1830	1.8900
NOTE: Straight Connecting Rod, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3585	STD			0.1100	2.1845/2.1850	1.5600
NOTE: Straight Connecting Rod, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3586	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 9 Degree, Wide Tapered Connecting Rod, Requires Boring								
Connecting Rod	17 To 23 Lbs.Ft.							
Main Bearing	350 Lbs.Ft.							
12	893 CID (14.6L) 3406B ATAAC,3406B-JWAC,3406B,3406C Turbocharged Diesel 6 Cyl				5.400in./137.2mm x 6.500in./165.1mm			12
Rod Bearing(6)	TM-112	CB-1262AL	STD,10,25,50	3.8189/3.8197	0.0030/0.0060	0.1258	4.0743/4.0753	1.5350
NOTE: 1.535" Bearing Length,From Engine Serial Number 92U2954,Locking Lug on Left Hand Side								
Rod Bearing(6)	TM-112	CB-1372P	STD	3.8195/3.8205	0.0032/0.0064	0.1253	4.0743/4.0753	1.3850
NOTE: 1.385" Bearing Length,Locking Lug on Right Hand Side,Thru Engine Serial No. 92U2954								
Rod Bearing(6)	TM-112	CB-1622P	STD,25,50	3.5425/3.5441	0.0024/0.0063	0.1201	3.7868/3.7882	1.9300
NOTE: Engines With P.E.E.C.,Replaces Original Equipment Number 9Y7735								
Main Bearing(7)	TM-112	MB-2848AL	STD,10,25,50	4.7492/4.7508	0.0022/0.0060	0.1803	5.1133/5.1143	1.6450
NOTE: 1.645" Bearing Length,From Engine Serial Number 90U441,From Engine Serial Number 92U2954, Only Sold Separately, Use With Part Number TW-583S								
Thrust Washer Set		TW-583S	STD					
		MB-3448W		5.2600/5.3000			6.2300/6.2700	0.2270
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MB-2848AL								
Cam Bearing Set	AL-3	SH-1487S	STD					
1		SH-1488		2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.3100
2-3-4-5-6-7		SH-1487		2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.0100
Piston Pin Bushing(6)	C-1	223-3577	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 6 Degree Narrow Tapered Connecting Rod, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3585	STD			0.1100	2.1845/2.1850	1.5600
NOTE: Straight Connecting Rod, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3586	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 9 Degree, Wide Tapered Connecting Rod, Requires Boring								
Connecting Rod	60 Lbs.Ft. Plus 120 Degrees							
Main Bearing	190 Lbs.Ft. Plus 120 Degrees							
13	893 CID (14.6L) 3406E Turbocharged Diesel 6 Cyl				5.400in./137.2mm x 6.500in./165.1mm			13
Rod Bearing(6)	TM-112	CB-1262AL	STD,10,25,50	3.8189/3.8197	0.0030/0.0060	0.1258	4.0743/4.0753	1.5350
NOTE: From Engine Serial Number 92U2954,Locking Lug on Left Hand Side,1.535" Bearing Length								
Rod Bearing(6)	TM-112	CB-1372P	STD	3.8195/3.8205	0.0032/0.0064	0.1253	4.0743/4.0753	1.3850
NOTE: Thru Engine Serial No. 92U2954,Locking Lug on Right Hand Side,1.385" Bearing Length								



CATERPILLAR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
13 (Cont.)	893 CID (14.6L) 3406E Turbocharged Diesel 6 Cyl			5.400in./137.2mm x 6.500in./165.1mm				13 (Cont.)
Rod Bearing(6)	TM-112	CB-1622P	STD,25,50	3.5425/3.5441	0.0024/0.0063	0.1201	3.7868/3.7882	1.9300
NOTE: Replaces Original Equipment Number 9Y7735								
Main Bearing(7)	TM-112	MB-2848AL	STD,10,25,50	4.7492/4.7508	0.0022/0.0060	0.1803	5.1133/5.1143	1.6450
NOTE: 1.645" Bearing Length,From Engine Serial Number 90U441,From Engine Serial Number 92U2954, Only Sold Separately, Use With Part Number TW-583S								
Thrust Washer Set		TW-583S MB-3448W	STD	5.2600/5.3000			6.2300/6.2700	0.2270
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MB-2848AL								
Cam Bearing(7)	AL-5	SH-1979	STD			0.1189	3.5810/3.5830	1.4290
Piston Pin Bushing(6)	C-1	223-3577	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 6 Degree Narrow Tapered Connecting Rod, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3585	STD			0.1100	2.1845/2.1850	1.5600
NOTE: Straight Connecting Rod, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3586	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 9 Degree, Wide Tapered Connecting Rod, Requires Boring								
Connecting Rod	66 Lbs.Ft. Plus 90 Degrees							
Main Bearing	190 Lbs.Ft. Plus 120 Degrees							
14	893 CID (14.6L) 3406T Turbocharged Diesel 6 Cyl			5.400in./137.2mm x 6.500in./165.1mm				14
Rod Bearing(6)	TM-112	CB-1262AL	STD,10,25,50	3.8189/3.8197	0.0030/0.0060	0.1258	4.0743/4.0753	1.5350
NOTE: From Engine Serial Number 92U2954,Locking Lug on Left Hand Side,1.535" Bearing Length								
Rod Bearing(6)	TM-112	CB-1372P	STD	3.8195/3.8205	0.0032/0.0064	0.1253	4.0743/4.0753	1.3850
NOTE: Thru Engine Serial No. 92U2954,Locking Lug on Right Hand Side,1.385" Bearing Length								
Main Bearing(7)	TM-112	MB-2848AL	STD,10,25,50	4.7492/4.7508	0.0022/0.0060	0.1803	5.1133/5.1143	1.6450
NOTE: 1.645" Bearing Length,From Engine Serial Number 90U441,From Engine Serial Number 92U2954, Only Sold Separately, Use With Part Number TW-583S								
Thrust Washer Set		TW-583S MB-3448W	STD	5.2600/5.3000			6.2300/6.2700	0.2270
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MB-2848AL								
Cam Bearing Set 1	AL-3	SH-1487S SH-1488	STD	2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.3100
2-3-4-5-6-7		SH-1487		2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.0100
Piston Pin Bushing(6)	C-1	223-3577	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 6 Degree Narrow Tapered Connecting Rod, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3585	STD			0.1100	2.1845/2.1850	1.5600
NOTE: Straight Connecting Rod, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3586	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 9 Degree, Wide Tapered Connecting Rod, Requires Boring								
Connecting Rod	60 Lbs.Ft. Plus 120 Degrees							
Main Bearing	190 Lbs.Ft. Plus 120 Degrees							
15	1246 CID (20.4L) D13000,D342C,D342 Diesel 6 Cyl			5.750in./146.1mm x 8.000in./203.2mm				15
1246 CID (20.4L) G342 LPG 6 Cyl								
Rod Bearing(6)	TM-112	CB-817AL	STD,10,25,50,75	3.6240/3.6250	0.0036/0.0066	0.1692	3.9665/3.9675	2.5670
NOTE: Replaces 2.572" Length Bearing,Replaces 2.659" Length Bearing, 2.567" Length								
Rod Bearing(6)	TM-112	CB-964AL	STD,10,25,50	3.6240/3.6250	0.0036/0.0066	0.1692	3.9665/3.9675	2.0000
NOTE: 2.000" Length								
Main Bearing Set 1-2-3-5-6-7	TM-112	MS-1048AL MB-2585AL	STD,25	4.2600/4.2610	0.0033/0.0063	0.1800	4.6240/4.6250	1.7800
4		MB-2586AL(F)		4.2600/4.2610	0.0033/0.0063	0.1800	4.6240/4.6250	3.8590
NOTE: 4.6240/4.6250" Housing Bore,Engines With .172" Wall Bearings, Contains Flanged Bearing								



CATERPILLAR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
15 (Cont.)	1246 CID (20.4L)	D13000,D342C,D342 Diesel 6 Cyl			5.750in./146.1mm x 8.000in./203.2mm			15 (Cont.)
	1246 CID (20.4L)	G342 LPG 6 Cyl			5.750in./146.1mm x 8.000in./203.2mm			
Piston Pin Bushing(6)	C-1	223-3580	STD			0.1340	2.6155/2.6160	2.0720
NOTE: Requires Boring								
Rod Forging	7B-6225							
C/S Forging	4M-447, 2B-6488, 3B-7934, 3B-7937, 3B-9511, 4F-8511, 4H-7032, 6F-1913, 7B-7937, 7B-9511, 7B-9620, 8H-5320							
Connecting Rod	123 To 127 Lbs.Ft.							
Main Bearing	350 Lbs.Ft. (7/8" Bolts)							
Main Bearing	58 Lbs.Ft. (5/8" Bolts)							
16	1246 CID (20.4L)	D342T Turbocharged Diesel 6 Cyl			5.750in./146.1mm x 8.000in./203.2mm			16
	1246 CID (20.4L)	G342C CNG 6 Cyl			5.750in./146.1mm x 8.000in./203.2mm			
Piston Pin Bushing(6)	C-1	223-3580	STD			0.1340	2.6155/2.6160	2.0720
NOTE: Requires Boring								
Rod Forging	7B-6225							
C/S Forging	4M-447, 2B-6488, 3B-7934, 3B-7937, 3B-9511, 4F-8511, 4H-7032, 6F-1913, 7B-7937, 7B-9511, 7B-9620, 8H-5320							
Connecting Rod	123 To 127 Lbs.Ft.							
Main Bearing	350 Lbs.Ft. (7/8" Bolts)							
Main Bearing	58 Lbs.Ft. (5/8" Bolts)							
17	1473 CID (24.2L)	D353C Turbocharged Diesel 6 Cyl			6.250in./158.8mm x 8.000in./203.2mm			17
	1473 CID (24.2L)	D353D,D353,D353E Diesel 6 Cyl			6.250in./158.8mm x 8.000in./203.2mm			
	1473 CID (24.2L)	G353 LPG 6 Cyl			6.250in./158.8mm x 8.000in./203.2mm			
Rod Bearing(6)	TM-112	CB-778AL	STD,10,25,50	4.1240/4.1250	0.0041/0.0071	0.1557	4.4395/4.4405	1.9800
Main Bearing Set	TM-112	MS-1062AL	STD,25					
1		MB-2600AL		4.6240/4.6250	0.0033/0.0063	0.1805	4.9890/4.9900	2.3800
2-3-5-6		MB-2601AL		4.6240/4.6250	0.0033/0.0063	0.1805	4.9890/4.9900	2.0050
4		MB-2602AL		4.6240/4.6250	0.0033/0.0063	0.1805	4.9890/4.9900	3.1050
7		MB-2603AL(F)		4.6240/4.6250	0.0033/0.0063	0.1805	4.9890/4.9900	2.8800
NOTE: 4.9890/4.9900" Housing Bore,Engines With .172" Wall Bearings, Contains Flanged Bearing								
Piston Pin Bushing(6)	C-1	223-3570	STD			1.2500	2.6755/2.6760	2.2600
NOTE: Requires Boring								
C/S Forging	4H-9591, 6H-5840							
Connecting Rod	190 Lbs.Ft.							
Main Bearing	445 Lbs.Ft.							
8 CYL								
18	522 CID (8.6L)	1140,1145,3145 Diesel V8 Cyl			4.500in./114.3mm x 4.100in./104.1mm			18
	573 CID (9.4L)	1150,3150 Diesel V8 Cyl			4.500in./114.3mm x 4.500in./114.3mm			
Rod Bearing(8)	TM-112	CB-972P	STD,10,20,30,40	2.7496/2.7504	0.0018/0.0046	0.0948	2.9413/2.9423	0.9550
Main Bearing Set	TM-112	MS-1421P	STD,10,20,30					
1-2-3-5		MB-2734P		3.4990/3.5000	0.0018/0.0048	0.1025	3.7070/3.7080	1.0000
4		MB-2735P(F)		3.4990/3.5000	0.0013/0.0043	0.1028	3.7070/3.7080	1.2530
NOTE: Contains Upper Half Flanged Bearing, 1.253" Lgth. Upr. Half Flanged								
Main Bearing Set	TM-112	MS-1592P	STD,20					
1-2-3-5		MB-2929P		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.0000
4		MB-2930P(F)		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.2530
NOTE: .010" Oversize On Outside Diameter,1.253" Lgth. Upr. Half Flanged								
Cam Bearing Set	AL-3	SH-1245S	STD					
1-2-3-4-5		SH-1245		2.4995/2.5005	0.0004/0.0010	0.0750	2.6520/2.6530	0.7600
C/S Forging	9N-8013							
Connecting Rod	30 Lbs.Ft. Plus 60 Degrees (Lubricant Required)							
19	636 CID (10.4L)	1160,3160 Diesel V8 Cyl			4.500in./114.3mm x 5.000in./127mm			19
Rod Bearing(8)	TM-112	CB-972P	STD,10,20,30,40	2.7496/2.7504	0.0018/0.0046	0.0948	2.9413/2.9423	0.9550
Main Bearing Set	TM-112	MS-1421P	STD,10,20,30					
1-2-3-5		MB-2734P		3.4990/3.5000	0.0018/0.0048	0.1025	3.7070/3.7080	1.0000
4		MB-2735P(F)		3.4990/3.5000	0.0013/0.0043	0.1028	3.7070/3.7080	1.2530
NOTE: Contains Upper Half Flanged Bearing, 1.253" Lgth. Upr. Half Flanged								



CATERPILLAR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
19 (Cont.)	636 CID (10.4L) 1160,3160 Diesel V8 Cyl				4.500in./114.3mm x 5.000in./127mm			19 (Cont.)
Main Bearing Set 1-2-3-5 4	TM-112	MS-1592P MB-2929P MB-2930P(F)	STD,20	3.4990/3.5000 3.4990/3.5000	0.0023/0.0053 0.0023/0.0053	0.1075 0.1075	3.7170/3.7180 3.7170/3.7180	1.0000 1.2530
NOTE: .010" Oversize On Outside Diameter,1.253" Lgth. Upr. Half Flanged								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1245S SH-1245	STD	2.4995/2.5005	0.0004/0.0010	0.0750	2.6520/2.6530	0.7600
Piston Pin Bushing(8)	C-1	223-3569	STD			0.0770	1.6295/1.6300	1.3100
NOTE: Engines With Cylindrical Pin Bushings, Requires Boring								
Connecting Rod Main Bearing	60 To 70 Lbs.Ft. 175 Lbs.Ft.							
20	636 CID (10.4L) 3208 Diesel V8 Cyl				4.500in./114.3mm x 5.000in./127mm			20
636 CID (10.4L) 3208T Turbocharged Diesel V8 Cyl					4.500in./114.3mm x 5.000in./127mm			
Rod Bearing(8) NOTE: .955" Bearing Length,Early Engine	TM-112	CB-972P	STD,10,20,30,40	2.7496/2.7504	0.0018/0.0046	0.0948	2.9413/2.9423	0.9550
Rod Bearing(8) NOTE: 1.010" Bearing Length,Late Engines	TM-112	CB-1215P	STD,10,20,30,40	2.7490/2.7502	0.0020/0.0054	0.0948	2.9413/2.9423	1.0100
Main Bearing Set 1 2-3-5 4	TM-112	MS-1420P MB-2733P MB-2734P MB-2735P(F)	STD,10,20,30	3.4990/3.5000 3.4990/3.5000 3.4990/3.5000	0.0023/0.0053 0.0018/0.0048 0.0013/0.0043	0.1025 0.1025 0.1028	3.7070/3.7080 3.7070/3.7080 3.7070/3.7080	1.0000 1.0000 1.2530
NOTE: Late Engines, Non-Grooved Front Bearing								
Main Bearing Set 1-2-3-5 4	TM-112	MS-1421P MB-2734P MB-2735P(F)	STD,10,20,30	3.4990/3.5000 3.4990/3.5000	0.0018/0.0048 0.0013/0.0043	0.1025 0.1028	3.7070/3.7080 3.7070/3.7080	1.0000 1.2530
NOTE: Early Engine, Contains Upper Half Flanged Bearing, 1.253" Lgth. Upr. Half Flanged								
Main Bearing Set 1 2-3-5 4	TM-112	MS-1422P MB-2736P MB-2734P MB-2735P(F)	STD,10,20,30	3.4990/3.5000 3.4990/3.5000 3.4990/3.5000	0.0023/0.0053 0.0018/0.0048 0.0013/0.0043	0.1025 0.1025 0.1028	3.7070/3.7080 3.7070/3.7080 3.7070/3.7080	1.0000 1.0000 1.2530
NOTE: Late Engines, Grooved Front Bearing								
Main Bearing Set 1-2-3-5 4	TM-112	MS-1592P MB-2929P MB-2930P(F)	STD,20	3.4990/3.5000 3.4990/3.5000	0.0023/0.0053 0.0023/0.0053	0.1075 0.1075	3.7170/3.7180 3.7170/3.7180	1.0000 1.2530
NOTE: Early Engine, Optional, .010" Oversize On Outside Diameter,1.253" Lgth. Upr. Half Flanged								
Main Bearing Set 1 2-3-5 4	TM-112	MS-1593P MB-2927P MB-2929P MB-2930P(F)	STD,20	3.4990/3.5000 3.4990/3.5000 3.4990/3.5000	0.0023/0.0053 0.0023/0.0053 0.0023/0.0053	0.1075 0.1075 0.1075	3.7170/3.7180 3.7170/3.7180 3.7170/3.7180	1.0000 1.0000 1.2530
NOTE: Late Engines, Non-Grooved Front Bearing,Optional, .010" Oversize On Outside Diameter								
Main Bearing Set 1 2-3-5 4	TM-112	MS-1594P MB-2928P MB-2929P MB-2930P(F)	STD,20	3.4990/3.5000 3.4990/3.5000 3.4990/3.5000	0.0023/0.0053 0.0023/0.0053 0.0023/0.0053	0.1075 0.1075 0.1075	3.7170/3.7180 3.7170/3.7180 3.7170/3.7180	1.0000 1.0000 1.2530
NOTE: Late Engines, Grooved Front Bearing,Optional, .010" Oversize On Outside Diameter								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1245S SH-1245	STD	2.4995/2.5005	0.0004/0.0010	0.0750	2.6520/2.6530	0.7600
Piston Pin Bushing(8)	C-1	223-3569	STD			0.0770	1.6295/1.6300	1.3100
NOTE: Engines With Cylindrical Pin Bushings, Requires Boring								
Piston Pin Bushing(8)	C-1	223-3628	STD			0.0775	1.6290/1.6295	1.3020
NOTE: Engines With Tapered Pin Bushings, Requires Boring								
Connecting Rod Main Bearing	30 Lbs.Ft. Plus 60 Degrees (Lubricant Required) 30 Lbs.Ft. Plus 120 Degrees (Lubricant Required)							



CATERPILLAR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
21	1099 CID (18.0L) 3408TA Turbocharged/Aftercooled Diesel V8 Cyl			5.400in./137.2mm x 6.000in./152.4mm				21
Rod Bearing(8)	TM-112	CB-1262AL	STD,10,25,50	3.8189/3.8197	0.0030/0.0060	0.1258	4.0743/4.0753	1.5350
NOTE: Locking Lug on Left Hand Side								
Main Bearing(5)	TM-112	MB-2848AL	STD,10,25,50	4.7492/4.7508	0.0022/0.0060	0.1803	5.1133/5.1143	1.6450
NOTE: Engs. With 1.645" Lgth Bearing, Only Sold Separately								
Thrust Washer Set		TW-583S MB-3448W	STD	5.2600/5.3000			6.2300/6.2700	0.2270
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MB-2848AL								
Cam Bearing(3)	AL-3	SH-1487	STD	2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.0100
NOTE: Only Sold Separately, Positions 2,3, And 4								
Cam Bearing(2)	AL-3	SH-1488	STD	2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.3100
NOTE: Only Sold Separately, Positions 1 And 5								
Piston Pin Bushing(8)	C-1	223-3577	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 6 Degree Narrow Tapered Connecting Rod,Reqs. 4.405" Lgth. Piston Pin, Requires Boring								
Piston Pin Bushing(8)	C-1	223-3585	STD			0.1100	2.1845/2.1850	1.5600
NOTE: Straight Connecting Rod,Reqs. 4.405" Lgth. Piston Pin, Requires Boring								
Piston Pin Bushing(8)	C-1	223-3586	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 9 Degree, Wide Tapered Connecting Rod, Requires Boring								
Rod Forging	4N-389							
C/S Forging	1W-5008, 1W-6208, 1W-6209, 4N-0008, 7N-3408							
Connecting Rod	60 Lbs.Ft. Plus 120 Degrees							
Main Bearing	190 Lbs.Ft. Plus 120 Degrees							
22	1191 CID (19.5L) D346 Diesel V8 Cyl			5.400in./137.2mm x 6.500in./165.1mm				22
Rod Bearing(8)	TM-112	CB-1232AL	STD,25,50	4.3745/4.3755	0.0024/0.0056	0.1713	4.7200/4.7210	1.3730
NOTE: 60 Degree Bank Engine, Slot For Dowel Pin In Rod Bore								
Main Bearing(5)	TM-112	MB-2795AL	STD,25,50	5.2510/5.2520	0.0033/0.0065	0.1895	5.6340/5.6350	1.8910
NOTE: 60 Degree Bank Engine, Only Sold Separately								
Piston Pin Bushing(8)	C-1	223-3568	STD			0.1110	2.1825/2.1830	1.8900
NOTE: Requires Boring, 2.001" Inside Diameter								
Piston Pin Bushing(8)	C-1	223-3586	STD			0.1060	2.1855/2.1860	1.8850
NOTE: Requires Boring,Tapered Bushing, 1.985" Inside Diameter								
Connecting Rod	90 Lbs.Ft. Plus 120 Degrees							
23	1662 CID (27.3L) D364,D375 Diesel 8 Cyl			5.750in./146.1mm x 8.000in./203.2mm				23
Piston Pin Bushing(8)	C-1	223-3580	STD			0.1340	2.6155/2.6160	2.0720
NOTE: Requires Boring								
24	1964 CID (32.2L) D379A,D379B,D379 Diesel V8 Cyl			6.250in./158.8mm x 8.000in./203.2mm				24
1964 CID (32.2L) G379 CNG V8 Cyl			6.250in./158.8mm x 8.000in./203.2mm					
Rod Bearing(8)	TM-112	CB-970AL	STD,10,25,50	4.9990/5.0000	0.0029/0.0061	0.1908	5.3840/5.3850	1.8630
Main Bearing Set 1-2-3-4-5	TM-112	MS-1058AL MB-2597AL	STD,25	5.7490/5.7500	0.0039/0.0071	0.3092	6.3720/6.3730	2.1300
Thrust Washer Set		TW-226S MB-2597W	STD	6.6300/6.6500			7.7400/7.7600	0.2820
NOTE: Contains 2 Pieces, Position Number 5								
Piston Pin Bushing(8)	C-1	223-3570	STD			1.2500	2.6755/2.6760	2.2600
NOTE: Requires Boring								
Connecting Rod	44 Lbs.Ft. Plus 120 Degrees							
Main Bearing	200 Lbs.Ft. Plus 120 Degrees							
25	2115 CID (34.7L) 3508 Diesel V8 Cyl			6.700in./170.2mm x 7.500in./190.5mm				25
Rod Bearing(8)	TM-112	CB-1621P	STD,25	5.3140/5.3160	0.0042/0.0086	0.1550	5.6304/5.6316	2.2440
Main Bearing(5)	TM-112	MB-3466P	STD,25	6.2982/6.3010	0.0048/0.0095	0.1550	6.6820/6.6836	2.2440
NOTE: Only Sold Separately, Use With Part Number MB-3466W								



CATERPILLAR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
25 (Cont.)	2115 CID (34.7L) 3508 Diesel V8 Cyl			6.700in./170.2mm x 7.500in./190.5mm				25 (Cont.)
Thrust Washer(2) MB-3466W STD				9.2200/9.2360				0.3340
NOTE: Only Sold Separately, Position Number 3, Use With Part Number MB-3466P								
Cam Bearing(10) AL-3 SH-1761 STD				3.3800/3.3820	0.0012/0.0060	0.1190	3.6212/3.6228	1.5950
NOTE: Only Sold Separately								
Connecting Rod 65 Lbs.Ft. Plus 90 Degrees								
Main Bearing 90 To 110 Lbs.Ft. Plus 120 Degrees								
12 CYL								
26	1649 CID/27043CC (27.0L) 3412 Diesel V12 Cyl			5.400in./137.2mm x 6.000in./152.4mm				26
1649 CID/27043CC (27.0L) 3412T Turbocharged Diesel V12 Cyl				5.400in./137.2mm x 6.000in./152.4mm				
Rod Bearing(12) TM-112 CB-1262AL STD,10,25,50				3.8189/3.8197	0.0030/0.0060	0.1258	4.0743/4.0753	1.5350
NOTE: Locking Lug on Left Hand Side								
Main Bearing(7) TM-112 MB-2848AL STD,10,25,50				4.7492/4.7508	0.0022/0.0060	0.1803	5.1133/5.1143	1.6450
NOTE: 1.645" Bearing Length, Only Sold Separately								
Thrust Washer Set TW-583S STD								
MB-3448W				5.2600/5.3000	6.2300/6.2700			0.2270
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MB-2848AL								
Cam Bearing(5) AL-3 SH-1487 STD				2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.0100
2-3-4- 5-6								
NOTE: Only Sold Separately								
Cam Bearing(2) AL-3 SH-1488 STD				2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.3100
1-7								
NOTE: Only Sold Separately								
Piston Pin C-1 223-3577 STD								0.1060 2.1855/2.1860 1.8850
Bushing(12)								
NOTE: 6 Degree Narrow Tapered Connecting Rod, Requires Boring								
Piston Pin C-1 223-3585 STD								0.1100 2.1845/2.1850 1.5600
Bushing(12)								
NOTE: Straight Connecting Rod, Requires Boring, 1.550" Length,2.001" Inside Diameter								
Piston Pin C-1 223-3586 STD								0.1060 2.1855/2.1860 1.8850
Bushing(12)								
NOTE: 9 Degree, Wide Tapered Connecting Rod, Requires Boring,Tapered Bushing, 1.875" Length,1.985" Inside Diameter								
Connecting Rod 60 Lbs.Ft. Plus 120 Degrees								
Main Bearing 190 Lbs.Ft. Plus 120 Degrees								
27	1786 CID (29.3L) D348 Diesel V12 Cyl			5.400in./137.2mm x 6.500in./165.1mm				27
Rod Bearing(12) TM-112 CB-1232AL STD,25,50				4.3745/4.3755	0.0024/0.0056	0.1713	4.7200/4.7210	1.3730
NOTE: Slot For Dowel Pin In Rod Bore								
Main Bearing(7) TM-112 MB-2795AL STD,25,50				5.2510/5.2520	0.0033/0.0065	0.1895	5.6340/5.6350	1.8910
NOTE: Only Sold Separately								
Piston Pin C-1 223-3568 STD								0.1110 2.1825/2.1830 1.8900
Bushing(12)								
NOTE: Requires Boring, 2.001" Inside Diameter								
Piston Pin C-1 223-3586 STD								0.1060 2.1855/2.1860 1.8850
Bushing(12)								
NOTE: Requires Boring, 1.985" Inside Diameter								
Connecting Rod 90 Lbs.Ft. Plus 120 Degrees								
28	2493 CID (40.9L) D386,D397 Diesel 12 Cyl			5.750in./146.1mm x				28
Piston Pin C-1 223-3580 STD								0.1340 2.6155/2.6160 2.0720
Bushing(12)								
NOTE: Requires Boring								
29	2946 CID (48.3L) D398A,D398B,D398 Diesel V12 Cyl			6.250in./158.8mm x 8.000in./203.2mm				29
2946 CID (48.3L) G398 CNG V12 Cyl				6.250in./158.8mm x 8.000in./203.2mm				
Rod Bearing(12) TM-112 CB-970AL STD,10,25,50				4.9990/5.0000	0.0029/0.0061	0.1908	5.3840/5.3850	1.8630
Main Bearing Set TM-112 MS-1059AL STD,25								
1-2-3-4-5-6-7 MB-2597AL				5.7490/5.7500	0.0039/0.0071	0.3092	6.3720/6.3730	2.1300
NOTE: Requires Thrust Washer Set, Not Included								



CATERPILLAR (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
12 CYL (Cont.)									
29 (Cont.)	2946 CID (48.3L) D398A,D398B,D398 Diesel V12 Cyl				6.250in./158.8mm x 8.000in./203.2mm				29 (Cont.)
	2946 CID (48.3L) G398 CNG V12 Cyl				6.250in./158.8mm x 8.000in./203.2mm				
Thrust Washer Set TW-226S STD MB-2597W				6.6300/6.6500		7.7400/7.7600		0.2820	
NOTE: Contains 2 Pieces, Position Number 7, Use With Part Number MS-1059AL									
Piston Pin C-1 223-3570 STD						1.2500 2.6755/2.6760		2.2600	
Bushing(12) NOTE: Requires Boring									
Connecting Rod 44 Lbs.Ft. Plus 120 Degrees									
Main Bearing 200 Lbs.Ft. Plus 120 Degrees									
30	3173 CID (52.0L) 3512 Diesel V12 Cyl				6.700in./170.2mm x 7.500in./190.5mm				30
Rod Bearing(12) TM-112 CB-1621P STD,25				5.3140/5.3160		0.0042/0.0086 0.1550		5.6304/5.6316 2.2440	
Main Bearing(7) TM-112 MB-3466P STD,25				6.2982/6.3010		0.0048/0.0095 0.1550		6.6820/6.6836 2.2440	
NOTE: Only Sold Separately									
Thrust Washer(2) MB-3466W STD						9.2200/9.2360		0.3340	
NOTE: Only Sold Separately, Position Number 4, Use With Part Number MB-3466P									
Cam Bearing(14) AL-3 SH-1761 STD				3.3800/3.3820		0.0012/0.0060 0.1190		3.6212/3.6228 1.5950	
NOTE: Only Sold Separately									
Connecting Rod 65 Lbs.Ft. Plus 90 Degrees									
Main Bearing 130 To 150 Lbs.Ft. Plus 180 Degrees (7/8" Bolts)									
Main Bearing 90 To 110 Lbs.Ft. Plus 215 Degrees (3/4" Bolts)									
16 CYL									
31	2382 CID (39.1L) D349 Diesel V16 Cyl				5.400in./137.2mm x 6.500in./165.1mm				31
Rod Bearing(16) TM-112 CB-1232AL STD,25,50				4.3745/4.3755		0.0024/0.0056 0.1713		4.7200/4.7210 1.3730	
NOTE: Slot For Dowel Pin In Rod Bore									
Main Bearing(9) TM-112 MB-2795AL STD,25,50				5.2510/5.2520		0.0033/0.0065 0.1895		5.6340/5.6350 1.8910	
NOTE: Only Sold Separately									
Piston Pin C-1 223-3568 STD						0.1110 2.1825/2.1830		1.8900	
Bushing(16) NOTE: Requires Boring, 2.001" Inside Diameter									
Piston Pin C-1 223-3586 STD						0.1060 2.1855/2.1860		1.8850	
Bushing(16) NOTE: Requires Boring,Tapered Bushing, 1.985" Inside Diameter									
Connecting Rod 90 Lbs.Ft. Plus 120 Degrees									
32	3928 CID (64.4L) D399B,D399 Diesel V16 Cyl				6.250in./158.8mm x 8.000in./203.2mm				32
	3928 CID (64.4L) G399 CNG V16 Cyl				6.250in./158.8mm x 8.000in./203.2mm				
Rod Bearing(16) TM-112 CB-970AL STD,10,25,50				4.9990/5.0000		0.0029/0.0061 0.1908		5.3840/5.3850 1.8630	
Main Bearing Set 1-2-3-4-5-6-7-8-9 TM-112 MS-1069AL STD,25 MB-2597AL				5.7490/5.7500		0.0039/0.0071 0.3092		6.3720/6.3730 2.1300	
Thrust Washer Set TW-226S STD MB-2597W				6.6300/6.6500		7.7400/7.7600		0.2820	
NOTE: Contains 2 Pieces, Position Number 9, Use With Part Number MS-1069AL									
Piston Pin C-1 223-3570 STD						1.2500 2.6755/2.6760		2.2600	
Bushing(16) NOTE: Requires Boring									
Connecting Rod 44 Lbs.Ft. Plus 120 Degrees									
Main Bearing 200 Lbs.Ft. Plus 120 Degrees									
33	4210 CID (69L) 3516NA Diesel V16 Cyl				6.700in./170.2mm x 7.500in./190.5mm				33
Rod Bearing(16) TM-112 CB-1621P STD,25				5.3140/5.3160		0.0042/0.0086 0.1550		5.6304/5.6316 2.2440	
Main Bearing(9) TM-112 MB-3466P STD,25				6.2982/6.3010		0.0048/0.0095 0.1550		6.6820/6.6836 2.2440	
NOTE: Only Sold Separately, Use With Part Number MB-3466W									
Thrust Washer(2) MB-3466W STD						9.2200/9.2360		0.3340	
NOTE: Only Sold Separately, Position Number 5, Use With Part Number MB-3466P									
Cam Bearing(18) AL-3 SH-1761 STD				3.3800/3.3820		0.0012/0.0060 0.1190		3.6212/3.6228 1.5950	
NOTE: Only Sold Separately									
Connecting Rod 65 Lbs.Ft. Plus 90 Degrees									
Main Bearing 90 To 110 Lbs.Ft. Plus 180 Degrees									



CHRYSLER

ENGINE DATA

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				4 CYL (Cont.)			
86 CID (1.4L) SOHC "J" Mitsubishi	1979-1984	2.913in./74mmX3.228in./82mm	1	156 CID (2.6L) SOHC "F" Mitsubishi Turbocharged	1984-1987	3.587in./91.1mmX3.858in./98mm	21
92 CID (1.5L) 12 Valve "Q" Mitsubishi	1991-1996	2.972in./75.5mmX3.228in./82mm	2	156 CID (2.6L) SOHC "F" Mitsubishi Turbocharged/Intercooled	1985-1989	3.587in./91.1mmX3.858in./98mm	21
92 CID (1.5L) SOHC 8 Valve "Q" Fuel Injected Mitsubishi	1987-1990	2.972in./75.5mmX3.228in./82mm	3	156 CID (2.6L) SOHC "W" Mitsubishi	1979-1989	3.590in./91.2mmX3.858in./98mm	21
92 CID (1.5L) SOHC Jet Valve "Q" Carbureted Mitsubishi	1985-1991	2.972in./75.5mmX3.228in./82mm	3	5 CYL			
98 CID (1.6L) DOHC Mitsubishi	1989-1990	3.240in./82.3mmX2.953in./75mm	4	164 CID/2685CC (2.7L) OM612LA Mercedes Benz Turbocharged/Intercooled Diesel	2003	3.465in./88mmX3.480in./88.4mm	22
98 CID (1.6L) DOHC Mitsubishi Turbocharged	1989	3.240in./82.3mmX2.953in./75mm	4	164 CID/2685CC (2.7L) OM647LA Mercedes Benz Turbocharged/Intercooled Diesel	2004-2006	3.465in./88mmX3.480in./88.4mm	22
98 CID (1.6L) SOHC Mitsubishi	1984	3.028in./76.9mmX3.386in./86mm	4	6 CYL			
98 CID (1.6L) SOHC K & Z Mitsubishi	1971-1984	3.028in./76.9mmX3.386in./86mm	4	2497CC (2.5L) EEB Mitsubishi	1995-2000	3.290in./83.5mmX2.992in./76mm	23
98 CID (1.6L) SOHC K & Z Mitsubishi Turbocharged	1984-1990	3.028in./76.9mmX3.386in./86mm	4	167 CID/2736CC (2.7L) DOHC	1998-2006	3.386in./86mmX3.091in./78.5mm	24
105 CID (1.7L) SOHC Volkswagen	1978-1983	3.130in./79.5mmX3.386in./86mm	5	167 CID/2736CC (2.7L) DOHC Flex	2003-2006	3.386in./86mmX3.091in./78.5mm	24
107 CID (1.8L) 8 Valve (4G37) Mitsubishi	1989-1992	3.173in./80.6mmX3.386in./86mm	6	170 CID (2.8L) OHV	1960-1969	3.400in./86.4mmX3.125in./79.4mm	25
112 CID (1.8L) 16 Valve (4G93) Mitsubishi	1992-1996	3.189in./81mmX3.504in./89mm	7	181 CID (3.0L) DOHC Mitsubishi	1991-1996	3.587in./91.1mmX2.992in./76mm	26
122 CID (2.0L) 4G63 DOHC Mitsubishi	1989-1994	3.346in./85mmX3.465in./88mm	8	181 CID (3.0L) DOHC Mitsubishi Turbocharged	1991-1996	3.587in./91.1mmX2.992in./76mm	26
122 CID (2.0L) 4G63T DOHC TURBO Mitsubishi Turbocharged	1990-1998	3.346in./85mmX3.465in./88mm	8	181 CID (3.0L) SOHC Mitsubishi	1987-2000	3.587in./91.1mmX2.992in./76mm	26
122 CID (2.0L) DOHC	1995-1999	3.445in./87.5mmX3.268in./83mm	9	181 CID/2972CC (3.0L) EF7 SOHC Mitsubishi	2001-2003	3.587in./91.1mmX2.992in./76mm	27
122 CID (2.0L) SOHC	1995-2003	3.445in./87.5mmX3.268in./83mm	9	197 CID (3.2L) EGW SOHC	1998-2001	3.622in./92mmX3.307in./84mm	28
122 CID (2.0L) SOHC "A" Mitsubishi	1983-1992	3.346in./85mmX3.465in./88mm	10	198 CID (3.2L) OHV	1970-1974	3.400in./86.4mmX3.641in./92.5mm	25
122 CID/1997CC (2.0L) SOHC "U" Mitsubishi	1974-1982	3.307in./84mmX3.543in./90mm	11	201 CID (3.3L)	1990-2002	3.661in./93mmX3.189in./81mm	29
132 CID (2.2L) J7T Renault	1988-1989	3.465in./88mmX3.504in./89mm	12	201 CID (3.3L) CNG	1994-1996	3.661in./93mmX3.189in./81mm	29
135 CID (2.2L) DOHC Turbocharged	1991-1993	3.445in./87.5mmX3.622in./92mm	13	201 CID (3.3L) Flex	1994-1995	3.661in./93mmX3.189in./81mm	29
135 CID (2.2L) DOHC Maserati Turbocharged	1989-1990	3.445in./87.5mmX3.622in./92mm	13	201 CID (3.3L) EGM Flex	1998-2002	3.661in./93mmX3.189in./81mm	29
135 CID (2.2L) SOHC	1981-1994	3.445in./87.5mmX3.622in./92mm	13	215 CID (3.5L) SOHC	1993-2007	3.780in./96mmX3.189in./81mm	30
135 CID (2.2L) SOHC Turbocharged	1984-1990	3.445in./87.5mmX3.622in./92mm	13	218 CID (3.6L) 5/5A/6/6A/30/31	1942-1954	3.250in./82.6mmX4.375in./111.1mm	31
143 CID (2.3L) SOHC Mitsubishi Turbocharged	1983-1985	3.587in./91.1mmX3.543in./90mm	14	218 CID (3.6L) L-Head	1934-1954	3.250in./82.6mmX4.375in./111.1mm	32
144 CID (2.4L) 4G64 SOHC 16 Valve Mitsubishi	1993-1996	3.405in./86.5mmX3.937in./100mm	15	218 CID (3.6L) L-Head Dodge	1939-1954	3.250in./82.6mmX4.375in./111.1mm	32
144 CID (2.4L) 4G64 SOHC 8 Valve Mitsubishi	1990-1993	3.405in./86.5mmX3.937in./100mm	8	218 CID (3.6L) L-Head (Canadian)	1938-1954	3.375in./85.7mmX4.063in./103.2mm	33
148 CID/2429CC (2.4L) DOHC	1995-2005	3.445in./87.5mmX3.976in./101mm	16	218 CID (3.6L) T112		3.250in./82.6mmX4.375in./111.1mm	34
148 CID/2429CC (2.4L) DOHC Turbocharged/Intercooled	2003-2005	3.445in./87.5mmX3.976in./101mm	17	218 CID (3.6L) T125		3.250in./82.6mmX4.375in./111.1mm	34
150 CID (2.5L) Jeep	1996-2002	3.875in./98.4mmX3.190in./81.03mm	18	218 CID (3.6L) T128		3.250in./82.6mmX4.375in./111.1mm	34
150 CID (2.5L) SOHC Renault	1988-1989	3.875in./98.4mmX3.190in./81.03mm	19	225 CID (3.7L) H225	1961-1987	3.400in./86.4mmX4.125in./104.8mm	35
153 CID (2.5L) SOHC	1986-1995	3.445in./87.5mmX4.094in./104mm	20	225 CID (3.7L) HA225	1961-1987	3.400in./86.4mmX4.125in./104.8mm	35
153 CID (2.5L) SOHC Turbocharged	1989-1992	3.445in./87.5mmX4.094in./104mm	20	225 CID (3.7L) HB225	1961-1987	3.400in./86.4mmX4.125in./104.8mm	35
153 CID (2.5L) SOHC Flex	1993-1994	3.445in./87.5mmX4.094in./104mm	20	225 CID (3.7L) HC225	1961-1987	3.400in./86.4mmX4.125in./104.8mm	35
156 CID (2.6L) SOHC "F" Mitsubishi	1978-1987	3.587in./91.1mmX3.858in./98mm	11	225 CID (3.7L) OHV	1960-1987	3.400in./86.4mmX4.125in./104.8mm	35
				226 CID/3701CC (3.7L) EKG SOHC 12 Valve	2002-2006	3.661in./93mmX3.575in./90.8mm	36
				230 CID (3.8L)	1991-2005	3.780in./96mmX3.425in./87mm	29
				230 CID (3.8L) HT931	1942-1960	3.250in./82.6mmX4.625in./117.5mm	34
				230 CID (3.8L) Ind 30	1942-1960	3.250in./82.6mmX4.625in./117.5mm	34
				230 CID (3.8L) Ind 31	1942-1960	3.250in./82.6mmX4.625in./117.5mm	34
				230 CID (3.8L) Ind 6	1942-1960	3.250in./82.6mmX4.625in./117.5mm	34
				230 CID (3.8L) Ind 6A	1942-1960	3.250in./82.6mmX4.625in./117.5mm	34
				230 CID (3.8L) Ind 931	1942-1960	3.250in./82.6mmX4.625in./117.5mm	34



CHRYSLER (Cont.)

ENGINE DATA (Cont.)

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
6 CYL (Cont.)				8 CYL (Cont.)			
230 CID (3.8L) L-Head	1946-1959	3.250in./82.6mmX4.625in./117.5mm	37	287 CID (4.7L) EVD	2004-2006	3.661in./93mmX3.406in./86.5mm	48
230 CID (3.8L) L-Head	1942-1960	3.250in./82.6mmX4.625in./117.5mm	37	SOHC Flex			
Dodge				287 CID (4.7L) SOHC	2000-2006	3.661in./93mmX3.406in./86.5mm	48
230 CID (3.8L) T116		3.250in./82.6mmX4.625in./117.5mm	34	287 CID (4.7L) SOHC	2005-2006	3.661in./93mmX3.406in./86.5mm	49
237 CID (3.9L) 236		3.438in./87.3mmX4.250in./108mm	38	High Output			
237 CID (3.9L) Ind 7		3.438in./87.33mmX4.250in./108mm	38	301 CID (4.9L)	1955	3.625in./92.1mmX3.625in./92.1mm	50
237 CID (3.9L) Ind 7A		3.438in./87.33mmX4.250in./108mm	38	301 CID (4.9L)	1956-1957	3.910in./99.3mmX3.125in./79.4mm	47
237 CID (3.9L) L-Head	1946-1950	3.438in./87.3mmX4.250in./108mm	33	303 CID (5.0L) OHV	1956	3.813in./96.9mmX3.313in./84.2mm	47
DeSoto				313 CID (5.1L) Dodge	1958-1965	3.875in./98.4mmX3.313in./84.2mm	51
237 CID (3.9L) T118		3.438in./87.33mmX4.250in./108mm	38	315 CID (5.2L)	1956	3.625in./92.1mmX3.800in./96.5mm	52
237 CID (3.9L) T120		3.438in./87.33mmX4.250in./108mm	38	Hemispherical			
239 CID (3.9L) Dodge	1987-2002	3.910in./99.3mmX3.313in./84.2mm	39	318 CID (5.2L)	1957-2003	3.910in./99.3mmX3.313in./84.2mm	53
242 CID (4.0L) L-Head	1938-1941	3.375in./85.7mmX4.500in./114.3mm	33	318 CID (5.2L) CNG	1992-2003	3.910in./99.3mmX3.313in./84.2mm	54
Dodge				318 CID (5.2L) H318		3.910in./99.3mmX3.313in./84.2mm	53
243 CID (4.0L) OHV	1978-1979	3.622in./92mmX3.937in./100mm	40	318 CID (5.2L) HA318		3.910in./99.3mmX3.313in./84.2mm	53
Mitsubishi Diesel				318 CID (5.2L) HB318		3.910in./99.3mmX3.313in./84.2mm	53
251 CID (4.1L) 251		3.438in./87.3mmX4.500in./114.3mm	38	318 CID (5.2L) HC318		3.910in./99.3mmX3.313in./84.2mm	53
251 CID (4.1L) 8-213		3.438in./87.33mmX4.500in./114.3mm	38	318 CID (5.2L) HT318		3.910in./99.3mmX3.313in./84.2mm	53
251 CID (4.1L) 8-231		3.438in./87.33mmX4.500in./114.3mm	38	318 CID (5.2L) LH318		3.910in./99.3mmX3.313in./84.2mm	53
251 CID (4.1L) 908A		3.438in./87.33mmX4.500in./114.3mm	38	318 CID (5.2L) LT318		3.910in./99.3mmX3.313in./84.2mm	53
251 CID (4.1L) Ind 8		3.438in./87.33mmX4.500in./114.3mm	38	324 CID (5.3L) Ind 12		3.250in./82.6mmX4.875in./123.8mm	55
251 CID (4.1L) Ind 8A		3.438in./87.33mmX4.500in./114.3mm	38	324 CID (5.3L) Ind 9		3.250in./82.6mmX4.875in./123.8mm	55
251 CID (4.1L) L-Head	1942-1954	3.438in./87.33mmX4.500in./114.3mm	33	324 CID (5.3L) L-Head	1939-1950	3.250in./82.6mmX4.875in./123.8mm	56
251 CID (4.1L) L-Head	1942-1968	3.438in./87.33mmX4.500in./114.3mm	41	325 CID (5.3L)	1957-1958	3.688in./93.7mmX3.800in./96.5mm	52
Dodge				Hemispherical			
251 CID (4.1L) T42		3.438in./87.3mmX4.500in./114.3mm	38	326 CID (5.3L) OHV	1959	3.953in./100.4mmX3.313in./84.2mm	47
265 CID (4.3L) 265		3.438in./87.3mmX4.750in./120.7mm	38	331 CID (5.4L)	1951-1956	3.813in./96.9mmX3.625in./92.1mm	50
265 CID (4.3L) H908A		3.438in./87.33mmX4.750in./120.7mm	38	Hemispherical			
265 CID (4.3L) Ind 16		3.438in./87.33mmX4.750in./120.7mm	38	331 CID (5.4L) Ind 20		3.813in./96.9mmX3.625in./92.1mm	50
265 CID (4.3L) Ind 16A		3.438in./87.33mmX4.750in./120.7mm	38	331 CID (5.4L) Ind 24		3.813in./96.9mmX3.625in./92.1mm	50
265 CID (4.3L) Ind 32		3.438in./87.33mmX4.750in./120.7mm	38	331 CID (5.4L) Ind 24A		3.813in./96.9mmX3.625in./92.1mm	50
265 CID (4.3L) Ind 33		3.438in./87.33mmX4.750in./120.7mm	38	331 CID (5.4L) OHV	1956	3.813in./96.9mmX3.625in./92.1mm	50
265 CID (4.3L) L-Head	1951-1954	3.438in./87.33mmX4.750in./120.7mm	33	340 CID (5.6L) OHV	1968-1973	4.040in./102.6mmX3.313in./84.2mm	57
265 CID (4.3L) L-Head	1953-1960	3.438in./87.33mmX4.750in./120.7mm	42	345 CID (5.7L) EZA	2003-2005	3.917in./99.5mmX3.580in./90.9mm	58
Dodge				345 CID (5.7L) EZB	2005	3.917in./99.5mmX3.580in./90.9mm	58
354 CID (5.8L) 6-354	1966-1970	3.877in./98.5mmX5.000in./127mm	43	350 CID (5.7L) OHV	1958	4.063in./103.2mmX3.375in./85.7mm	59
Perkins Diesel				354 CID (5.8L)	1956-1958	3.938in./100mmX3.625in./92.1mm	50
359 CID (5.9L) ETA	1989-1993	4.016in./102mmX4.724in./120mm	44	Hemispherical			
Cummins Turbocharged				354 CID (5.8L) OHV	1956-1958	3.938in./100mmX3.625in./92.1mm	50
Diesel				360 CID (5.9L)	1971-2003	4.000in./101.6mmX3.578in./90.8mm	60
359 CID (5.9L) ETB	1990-1998	4.016in./102mmX4.724in./120mm	44	360 CID (5.9L) LPG	1971-1993	4.000in./101.6mmX3.578in./90.8mm	60
Cummins				361 CID (5.9L) H361		4.125in./104.8mmX3.375in./85.7mm	59
Turbocharged/Intercooled				361 CID (5.9L) HB361		4.125in./104.8mmX3.375in./85.7mm	59
Diesel				361 CID (5.9L) HC361		4.125in./104.8mmX3.375in./85.7mm	59
359 CID (5.9L) ETC 24	1998-2004	4.016in./102mmX4.724in./120mm	45	361 CID (5.9L) HT361		4.125in./104.8mmX3.375in./85.7mm	59
Valves Cummins				361 CID (5.9L) OHV	1958-1977	4.125in./104.8mmX3.375in./85.7mm	59
Turbocharged/Intercooled				370 CID (6.1L) ESF	2006-2007	4.055in./103mmX3.580in./90.9mm	58
Diesel				370 CID (6.1L)	2006-2007	4.055in./103mmX3.580in./90.9mm	58
359 CID (5.9L) ETH 24	2001-2002	4.016in./102mmX4.724in./120mm	45	383 CID (6.3L) LPG	1959-1971	4.250in./108mmX3.375in./85.7mm	59
Valves Cummins				383 CID (6.3L) H383		4.250in./108mmX3.375in./85.7mm	59
Turbocharged/Intercooled				383 CID (6.3L) HA383		4.250in./108mmX3.375in./85.7mm	59
Diesel				383 CID (6.3L) HB383		4.250in./108mmX3.375in./85.7mm	59
8 CYL				383 CID (6.3L) OHV	1959-1960	4.031in./102.4mmX3.750in./95.3mm	61
241 CID (3.9L)	1954	3.438in./87.3mmX3.250in./82.6mm	46	383 CID (6.3L) OHV	1959-1971	4.250in./108mmX3.375in./85.7mm	59
Hemispherical				392 CID (6.4L)	1957-1958	4.000in./101.6mmX3.906in./99.2mm	62
241 CID (3.9L) Ind 18		3.438in./87.3mmX3.250in./82.6mm	46	Hemispherical			
241 CID (3.9L) Ind 18A		3.438in./87.3mmX3.250in./82.6mm	46	400 CID (6.6L) H400		4.342in./110.3mmX3.375in./85.7mm	59
259 CID (4.2L) Dodge	1955-1956	3.563in./90.5mmX3.250in./82.6mm	46	400 CID (6.6L) OHV	1972-1980	4.342in./110.3mmX3.375in./85.7mm	59
259 CID (4.2L) Ind 52		3.563in./90.5mmX3.250in./82.6mm	46	413 CID (6.8L) H413		4.188in./106.4mmX3.750in./95.3mm	63
270 CID (4.4L)	1955	3.625in./92.1mmX3.250in./82.6mm	46	413 CID (6.8L) H413 LPG		4.188in./106.4mmX3.750in./95.3mm	63
Hemispherical				413 CID (6.8L) HB413		4.188in./106.4mmX3.750in./95.3mm	63
270 CID (4.4L) OHV	1955-1956	3.625in./92.1mmX3.250in./82.6mm	46	413 CID (6.8L) HB413		4.188in./106.4mmX3.750in./95.3mm	63
270 CID (4.4L) OHV	1955-1956	3.625in./92.1mmX3.250in./82.6mm	46	LPG			
Dodge				413 CID (6.8L) HC413		4.188in./106.4mmX3.750in./95.3mm	63
273 CID (4.5L) OHV	1964-1969	3.625in./92.1mmX3.313in./84.2mm	47	413 CID (6.8L) HT413		4.188in./106.4mmX3.750in./95.3mm	63
277 CID (4.5L) OHV	1956-1957	3.750in./95.3mmX3.125in./79.4mm	47	413 CID (6.8L) OHV	1959-1977	4.188in./106.4mmX3.750in./95.3mm	63



CHRYSLER (Cont.)							
ENGINE DATA (Cont.)							
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
8 CYL (Cont.)				10 CYL			
426 CID (7.0L) Hemispherical	1964-1971	4.250in./108mmX3.750in./95.3mm	64	488 CID (8.0L) Aluminum Block	1994-2002	4.000in./101.6mmX3.882in./98.6mm	65
426 CID (7.0L) Hemispherical LPG	1966-1971	4.250in./108mmX3.750in./95.3mm	64	488 CID (8.0L) Iron Block Dodge	1994-2003	4.000in./101.6mmX3.882in./98.6mm	66
426 CID (7.0L) Wedge	1963-1965	4.250in./108mmX3.750in./95.3mm	61				
440 CID (7.2L) H440		4.320in./109.7mmX3.750in./95.3mm	63				
440 CID (7.2L) OHV	1966-1980	4.320in./109.7mmX3.750in./95.3mm	63				
MODEL DATA							
Model	Engine	Years	Block	Model	Engine	Years	Block
1 Ton	218 CID (3.6L) L-Head Dodge	1940-1941	32	880	413 CID (6.8L) OHV	1965	63
1 Ton	230 CID (3.8L) L-Head Dodge	1942-1956	37	880	426 CID (7.0L) Wedge	1964-1965	61
1 Ton	241 CID (3.9L) Hemispherical	1954	46	880	426 CID (7.0L) Hemispherical	1964	64
1 Ton	259 CID (4.2L) Dodge	1955-1956	46	2000 GTX	122 CID (2.0L) SOHC "A" Mitsubishi	1989-1992	10
1/2 Ton	218 CID (3.6L) L-Head Dodge	1942-1943	32	2000 GTX	122 CID (2.0L) 4G63 DOHC Mitsubishi	1989-1992	8
1/2 Ton	230 CID (3.8L) L-Head Dodge	1955-1956	37		218 CID (3.6L) T112		34
1/2 Ton	241 CID (3.9L) Hemispherical	1954	46		218 CID (3.6L) T125		34
1/2 Ton	259 CID (4.2L) Dodge	1955-1956	46		218 CID (3.6L) T128		34
3/4 Ton	218 CID (3.6L) L-Head Dodge	1940-1954	32		218 CID (3.6L) 5/5A/6/6A/30/31	1942-1954	31
3/4 Ton	230 CID (3.8L) L-Head Dodge	1948-1956	37		225 CID (3.7L) H225	1961-1987	35
3/4 Ton	259 CID (4.2L) Dodge	1955-1956	46		225 CID (3.7L) HA225	1961-1987	35
5th Avenue	225 CID (3.7L) OHV	1983	35		225 CID (3.7L) HB225	1961-1987	35
5th Avenue	318 CID (5.2L)	1983-1989	53		225 CID (3.7L) HC225	1961-1987	35
024	105 CID (1.7L) SOHC Volkswagen	1981	5		230 CID (3.8L) T116		34
024	135 CID (2.2L) SOHC	1981	13		230 CID (3.8L) HT931	1942-1960	34
300	167 CID/2736CC (2.7L) DOHC	2005-2007	24		230 CID (3.8L) Ind 30	1942-1960	34
300	215 CID (3.5L) SOHC	2005-2008	30		230 CID (3.8L) Ind 31	1942-1960	34
300	331 CID (5.4L) Hemispherical	1955	50		230 CID (3.8L) Ind 6	1942-1960	34
300	383 CID (6.3L) OHV	1963-1965	59		230 CID (3.8L) Ind 6A	1942-1960	34
300	413 CID (6.8L) OHV	1962-1965	63		230 CID (3.8L) Ind 931	1942-1960	34
300	440 CID (7.2L) OHV	1966-1971	63		237 CID (3.9L) 236		38
300B	354 CID (5.8L) Hemispherical	1956	50		237 CID (3.9L) Ind 7		38
300C	345 CID (5.7L) EZB	2005-2008	58		237 CID (3.9L) Ind 7A		38
300C	370 CID (6.1L) ESF	2005-2008	58		237 CID (3.9L) T118		38
300C	392 CID (6.4L) Hemispherical	1957	62		237 CID (3.9L) T120		38
300D	392 CID (6.4L) Hemispherical	1958	62		241 CID (3.9L) Ind 18		46
300E	413 CID (6.8L) OHV	1959	63		241 CID (3.9L) Ind 18A		46
300F	413 CID (6.8L) OHV	1960	63		251 CID (4.1L) 251		38
300G	413 CID (6.8L) OHV	1961	63		251 CID (4.1L) 8-213		38
300H	413 CID (6.8L) OHV	1962	63		251 CID (4.1L) 8-231		38
300J	413 CID (6.8L) OHV	1963	63		251 CID (4.1L) 908A		38
300K	413 CID (6.8L) OHV	1964	63		251 CID (4.1L) Ind 8		38
300L	413 CID (6.8L) OHV	1965	63		251 CID (4.1L) Ind 8A		38
300M	215 CID (3.5L) SOHC	1999-2004	30		251 CID (4.1L) T42		38
330	225 CID (3.7L) OHV	1963-1964	35		259 CID (4.2L) Ind 52		46
330	318 CID (5.2L)	1963-1964	53		265 CID (4.3L) 265		38
330	383 CID (6.3L) OHV	1963-1964	59		265 CID (4.3L) H908A		38
330	426 CID (7.0L) Wedge	1963-1964	61		265 CID (4.3L) Ind 16		38
330	426 CID (7.0L) Hemispherical	1964	64		265 CID (4.3L) Ind 16A		38
400	135 CID (2.2L) SOHC	1982	13		265 CID (4.3L) Ind 32		38
400	156 CID (2.6L) SOHC "F" Mitsubishi	1982	11		265 CID (4.3L) Ind 33		38
440	225 CID (3.7L) OHV	1963-1964	35		318 CID (5.2L) H318		53
440	318 CID (5.2L)	1963-1964	53		318 CID (5.2L) HA318		53
440	383 CID (6.3L) OHV	1963-1964	59		318 CID (5.2L) HB318		53
440	426 CID (7.0L) Wedge	1963-1964	61		318 CID (5.2L) HC318		53
440	426 CID (7.0L) Hemispherical	1964	64		318 CID (5.2L) HT318		53
600	135 CID (2.2L) SOHC	1983-1988	13		318 CID (5.2L) LH318		53
600	135 CID (2.2L) SOHC	1984-1988	13		318 CID (5.2L) LT318		53
600	153 CID (2.5L) SOHC	1986-1988	20		324 CID (5.3L) Ind 12		55
600	156 CID (2.6L) SOHC "F" Mitsubishi	1983-1985	11		324 CID (5.3L) Ind 9		55
800	426 CID (7.0L) Wedge	1964	61		331 CID (5.4L) Ind 20		50
800	426 CID (7.0L) Hemispherical	1964	64		331 CID (5.4L) Ind 24		50
880	361 CID (5.9L) OHV	1962-1964	59		331 CID (5.4L) Ind 24A		50
880	383 CID (6.3L) OHV	1962-1965	59		361 CID (5.9L) H361		59



CHRYSLER (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
	361 CID (5.9L) HB361		59	Belvedere	225 CID (3.7L) OHV	1960-1969	35
	361 CID (5.9L) HC361		59	Belvedere	230 CID (3.8L) L-Head	1954-1958	37
	361 CID (5.9L) HT361		59	Belvedere	270 CID (4.4L) OHV	1956	46
	383 CID (6.3L) H383		59	Belvedere	273 CID (4.5L) OHV	1967	47
	383 CID (6.3L) HA383		59	Belvedere	277 CID (4.5L) OHV	1956-1957	47
	383 CID (6.3L) HB383		59	Belvedere	301 CID (4.9L)	1956-1957	47
	400 CID (6.6L) H400		59	Belvedere	303 CID (5.0L) OHV	1956	47
	413 CID (6.8L) H413		63	Belvedere	318 CID (5.2L)	1957-1969	53
	413 CID (6.8L) H413		63	Belvedere	350 CID (5.7L) OHV	1958	59
	413 CID (6.8L) HB413		63	Belvedere	361 CID (5.9L) OHV	1959-1964	59
	413 CID (6.8L) HB413		63	Belvedere	383 CID (6.3L) OHV	1960-1969	59
	413 CID (6.8L) HC413		63	Belvedere	413 CID (6.8L) OHV	1961	63
	413 CID (6.8L) HT413		63	Belvedere	426 CID (7.0L) Wedge	1963-1964	61
	440 CID (7.2L) H440		63	Belvedere	426 CID (7.0L) Hemispherical	1964	64
	218 CID (3.6L) L-Head	1938-1954	33	Belvedere	440 CID (7.2L) OHV	1969	63
	(Canadian)			Belvedere I	225 CID (3.7L) OHV	1965-1967	35
	360 CID (5.9L)	1971-1980	60	Belvedere I	273 CID (4.5L) OHV	1965-1967	47
	383 CID (6.3L)	1959-1971	59	Belvedere I	318 CID (5.2L)	1965	53
	426 CID (7.0L) Hemispherical	1966-1971	64	Belvedere I	361 CID (5.9L) OHV	1965	59
	153 CID (2.5L) SOHC	1992-1995	20	Belvedere I	383 CID (6.3L) OHV	1965-1967	59
	313 CID (5.1L) Dodge	1957-1965	51	Belvedere I	426 CID (7.0L) Wedge	1965	61
	360 CID (5.9L)	1971-1993	60	Belvedere I	426 CID (7.0L) Hemispherical	1965	64
	383 CID (6.3L)	1967-1971	59	Belvedere II	225 CID (3.7L) OHV	1965	35
A100	170 CID (2.8L) OHV	1963-1969	25	Belvedere II	273 CID (4.5L) OHV	1965	47
A100	198 CID (3.2L) OHV	1970	25	Belvedere II	318 CID (5.2L)	1965	53
A100	225 CID (3.7L) OHV	1963-1969	35	Belvedere II	361 CID (5.9L) OHV	1965	59
A100	273 CID (4.5L) OHV	1965-1968	47	Belvedere II	383 CID (6.3L) OHV	1965	59
A100	318 CID (5.2L)	1967-1969	53	Belvedere II	426 CID (7.0L) Wedge	1965	61
Acclaim	153 CID (2.5L) SOHC	1989-1995	20	Belvedere II	426 CID (7.0L) Hemispherical	1965	64
Acclaim	153 CID (2.5L) SOHC	1989-1991	20	Belvedere Satellite	273 CID (4.5L) OHV	1965	47
Acclaim	153 CID (2.5L) SOHC	1993-1994	20	Belvedere Satellite	318 CID (5.2L)	1965	53
Acclaim	181 CID (3.0L) SOHC Mitsubishi	1989-1995	26	Belvedere Satellite	361 CID (5.9L) OHV	1965	59
Adventurer	383 CID (6.3L) OHV	1959	59	Belvedere Satellite	383 CID (6.3L) OHV	1965	59
Aries	135 CID (2.2L) SOHC	1981-1989	13	Belvedere Satellite	426 CID (7.0L) Wedge	1965	61
Aries	153 CID (2.5L) SOHC	1986-1989	20	Belvedere Satellite	426 CID (7.0L) Hemispherical	1966	64
Aries	156 CID (2.6L) SOHC "F"	1981-1985	11	Breeze	122 CID (2.0L) SOHC	1996-2000	9
	Mitsubishi			Breeze	148 CID/2429CC (2.4L) DOHC	1996-2000	16
Arrow	98 CID (1.6L) SOHC K & Z	1976-1980	4	Brougham	360 CID (5.9L)	1977	60
	Mitsubishi			Brougham	400 CID (6.6L) OHV	1977	59
Arrow	122 CID/1997CC (2.0L) SOHC	1976-1982	11	C1-R8 Series	331 CID (5.4L) Hemispherical	1954	50
	"U" Mitsubishi			C1-T8 Series	331 CID (5.4L) Hemispherical	1954	50
Arrow	156 CID (2.6L) SOHC "F"	1979-1980	11	C1-V8 Series	331 CID (5.4L) Hemispherical	1954	50
	Mitsubishi			C1G-6 Series	251 CID (4.1L) L-Head Dodge	1954	41
Arrow	156 CID (2.6L) SOHC "W"	1979-1982	21	C1H-6	251 CID (4.1L) L-Head Dodge	1954	41
	Mitsubishi			C1H-6	265 CID (4.3L) L-Head Dodge	1954	42
Aspen	225 CID (3.7L) OHV	1976-1980	35	C1J-6 Series	265 CID (4.3L) L-Head Dodge	1954	42
Aspen	318 CID (5.2L)	1976-1978	53	C1K-6 Series	265 CID (4.3L) L-Head Dodge	1954	42
Aspen	360 CID (5.9L)	1976-1980	60	C3-R8 Series	331 CID (5.4L) Hemispherical	1955-1956	50
Avenger	122 CID (2.0L) DOHC	1995-1999	9	C3-T8 Series	331 CID (5.4L) Hemispherical	1955-1956	50
Avenger	2497CC (2.5L) EEB Mitsubishi	1995-2000	23	C3-V8 Series	331 CID (5.4L) Hemispherical	1955-1956	50
B1J Series	251 CID (4.1L) L-Head Dodge	1948-1949	41	C3G-6 Series	251 CID (4.1L) L-Head Dodge	1955-1956	41
B1K Series	251 CID (4.1L) L-Head Dodge	1948-1949	41	C3G-6 Series	265 CID (4.3L) L-Head Dodge	1955-1956	42
B2J Series	251 CID (4.1L) L-Head Dodge	1950	41	C3G-8 Series	259 CID (4.2L) Dodge	1955-1956	46
B2K Series	251 CID (4.1L) L-Head Dodge	1950	41	C3G-8 Series	270 CID (4.4L) OHV Dodge	1955-1956	46
B3J Series	251 CID (4.1L) L-Head Dodge	1951-1952	41	C3H-6 Series	251 CID (4.1L) L-Head Dodge	1955-1956	41
B3K Series	251 CID (4.1L) L-Head Dodge	1951-1952	41	C3H-8 Series	259 CID (4.2L) Dodge	1955-1956	46
B4F Series	251 CID (4.1L) L-Head Dodge	1953	41	C3H-8 Series	270 CID (4.4L) OHV Dodge	1955-1956	46
B4G Series	251 CID (4.1L) L-Head Dodge	1953	41	C3J-6 Series	265 CID (4.3L) L-Head Dodge	1955-1956	42
B4H Series	251 CID (4.1L) L-Head Dodge	1953	41	C3J-8 Series	270 CID (4.4L) OHV Dodge	1955-1956	46
B4H Series	265 CID (4.3L) L-Head Dodge	1953	42	C3K-6 Series	265 CID (4.3L) L-Head Dodge	1955-1956	42
Barracuda	225 CID (3.7L) OHV	1967-1972	35	C3K-8 Series	270 CID (4.4L) OHV Dodge	1955-1956	46
Barracuda	273 CID (4.5L) OHV	1967	47	C500	318 CID (5.2L)	1960-1971	53
Barracuda	318 CID (5.2L)	1968-1974	53	C500	361 CID (5.9L) OHV	1961-1971	59
Barracuda	340 CID (5.6L) OHV	1968-1973	57	C600	361 CID (5.9L) OHV	1961-1973	59
Barracuda	360 CID (5.9L)	1974	60	C700	361 CID (5.9L) OHV	1969-1971	59
Barracuda	383 CID (6.3L) OHV	1967-1971	59	C800	361 CID (5.9L) OHV	1963-1968	59
Barracuda	426 CID (7.0L) Hemispherical	1970-1971	64	C800	413 CID (6.8L) OHV	1960-1968	63
Barracuda	440 CID (7.2L) OHV	1970-1971	63				
Belvedere	218 CID (3.6L) L-Head	1954	32				



CHRYSLER (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
C900	413 CID (6.8L) OHV	1960-1968	63	Colt	92 CID (1.5L) 12 Valve "Q"	1991-1995	2
C1000	413 CID (6.8L) OHV	1960-1973	63		Mitsubishi		
CT700	361 CID (5.9L) OHV	1960-1971	59	Colt	98 CID (1.6L) SOHC K & Z	1971-1983	4
CT700	413 CID (6.8L) OHV	1963-1969	63		Mitsubishi		
CT800	361 CID (5.9L) OHV	1960-1975	59	Colt	98 CID (1.6L) SOHC Mitsubishi	1984	4
CT800	413 CID (6.8L) OHV	1960-1975	63	Colt	98 CID (1.6L) SOHC K & Z	1984-1988	4
CT900	413 CID (6.8L) OHV	1960-1973	63		Mitsubishi		
Cambridge	218 CID (3.6L) L-Head	1951-1953	32	Colt	98 CID (1.6L) DOHC Mitsubishi	1989	4
Caravan	135 CID (2.2L) SOHC	1984-1987	13	Colt	98 CID (1.6L) DOHC Mitsubishi	1990	4
Caravan	148 CID/2429CC (2.4L) DOHC	1996-2007	16	Colt	107 CID (1.8L) 8 Valve (4G37)	1989-1990	6
Caravan	153 CID (2.5L) SOHC	1987-1995	20		Mitsubishi		
Caravan	153 CID (2.5L) SOHC	1989-1990	20	Colt	112 CID (1.8L) 16 Valve (4G93)	1993-1994	7
Caravan	156 CID (2.6L) SOHC "F"	1984-1987	11		Mitsubishi		
	Mitsubishi			Colt	122 CID/1997CC (2.0L) SOHC	1974-1981	11
Caravan	181 CID (3.0L) SOHC Mitsubishi	1987-2000	26		"U" Mitsubishi		
Caravan	201 CID (3.3L)	1990-2007	29	Colt	156 CID (2.6L) SOHC "F"	1978-1980	11
Caravan	201 CID (3.3L)	1994-1996	29		Mitsubishi		
Caravan	201 CID (3.3L) EGM	1998-2003	29	Colt 100	92 CID (1.5L) SOHC Jet Valve	1989-1991	3
Caravan	230 CID (3.8L)	1994-2001	29		"Q" Carbureted Mitsubishi		
Caravelle	135 CID (2.2L) SOHC	1983-1988	13	Colt 100	92 CID (1.5L) 12 Valve "Q"	1992	2
Caravelle	135 CID (2.2L) SOHC	1984-1988	13		Mitsubishi		
Caravelle	153 CID (2.5L) SOHC	1986-1988	20	Colt 100	98 CID (1.6L) SOHC K & Z	1989-1990	4
Caravelle	156 CID (2.6L) SOHC "F"	1983-1985	11		Mitsubishi		
	Mitsubishi			Colt 200	92 CID (1.5L) SOHC 8 Valve	1989-1990	3
Caravelle	225 CID (3.7L) OHV	1978-1982	35		"Q" Fuel Injected Mitsubishi		
Caravelle	318 CID (5.2L)	1978-1984	53	Colt 200	92 CID (1.5L) 12 Valve "Q"	1991-1992	2
Caravelle	360 CID (5.9L)	1978-1979	60		Mitsubishi		
Challenger	98 CID (1.6L) SOHC K & Z	1978-1979	4	Colt 200	98 CID (1.6L) DOHC Mitsubishi	1989	4
	Mitsubishi			Colt 200	98 CID (1.6L) DOHC Mitsubishi	1989-1990	4
Challenger	122 CID/1997CC (2.0L) SOHC	1978-1979	11	Colt Premier	92 CID (1.5L) SOHC Jet Valve	1985-1988	3
	"U" Mitsubishi				"Q" Carbureted Mitsubishi		
Challenger	156 CID (2.6L) SOHC "F"	1978-1983	11	Colt Premier	98 CID (1.6L) SOHC K & Z	1985-1988	4
	Mitsubishi				Mitsubishi		
Challenger	198 CID (3.2L) OHV	1970-1971	25	Colt Vista	112 CID (1.8L) 16 Valve (4G93)	1992-1994	7
Challenger	225 CID (3.7L) OHV	1970-1971	35		Mitsubishi		
Challenger	318 CID (5.2L)	1970-1971	53	Colt Vista	122 CID (2.0L) SOHC "A"	1984-1991	10
Challenger	340 CID (5.6L) OHV	1970-1971	57		Mitsubishi		
Challenger	360 CID (5.9L)	1974	60	Colt Vista	144 CID (2.4L) 4G64 SOHC 8	1992	8
Challenger	383 CID (6.3L) OHV	1970-1971	59		Valve Mitsubishi		
Challenger	426 CID (7.0L) Hemispherical	1970-1971	64	Colt Vista	144 CID (2.4L) 4G64 SOHC 16	1993-1994	15
Challenger	440 CID (7.2L) OHV	1970-1971	63		Valve Mitsubishi		
Champ	86 CID (1.4L) SOHC "J"	1979-1982	1	Concorde	218 CID (3.6L) L-Head	1951-1952	32
	Mitsubishi			Concorde	167 CID/2736CC (2.7L) DOHC	1998-2004	24
Champ	98 CID (1.6L) SOHC K & Z	1979-1982	4	Concorde	197 CID (3.2L) EGW SOHC	1998-2001	28
	Mitsubishi			Concorde	201 CID (3.3L)	1993-1996	29
Charger	105 CID (1.7L) SOHC	1983	5	Concorde	201 CID (3.3L)	1994-1995	29
	Volkswagen			Concorde	215 CID (3.5L) SOHC	1993-2004	30
Charger	135 CID (2.2L) SOHC	1983-1987	13	Conquest	156 CID (2.6L) SOHC "F"	1984-1987	21
Charger	135 CID (2.2L) SOHC	1985-1987	13		Mitsubishi		
Charger	167 CID/2736CC (2.7L) DOHC	2006-2008	24	Conquest	156 CID (2.6L) SOHC "F"	1985-1989	21
Charger	215 CID (3.5L) SOHC	2006-2008	30		Mitsubishi		
Charger	225 CID (3.7L) OHV	1969-1974	35	Cordoba	225 CID (3.7L) OHV	1980-1983	35
Charger	273 CID (4.5L) OHV	1966	47	Cordoba	318 CID (5.2L)	1975-1983	53
Charger	318 CID (5.2L)	1966-1974	53	Cordoba	360 CID (5.9L)	1975-1979	60
Charger	340 CID (5.6L) OHV	1972-1973	57	Cordoba	400 CID (6.6L) OHV	1975-1978	59
Charger	360 CID (5.9L)	1974	60	Coronet	225 CID (3.7L) OHV	1965-1973	35
Charger	361 CID (5.9L) OHV	1966	59	Coronet	230 CID (3.8L) L-Head	1949-1959	37
Charger	370 CID (6.1L) ESF	2006-2008	58	Coronet	270 CID (4.4L) OHV	1955-1956	46
Charger	383 CID (6.3L) OHV	1966-1971	59	Coronet	273 CID (4.5L) OHV	1965-1968	47
Charger	400 CID (6.6L) OHV	1972-1973	59	Coronet	315 CID (5.2L) Hemispherical	1956	52
Charger	426 CID (7.0L) Hemispherical	1966-1971	64	Coronet	318 CID (5.2L)	1965-1976	53
Charger	440 CID (7.2L) OHV	1967-1971	63	Coronet	325 CID (5.3L) Hemispherical	1957-1958	52
Cirrus	148 CID/2429CC (2.4L) DOHC	1995-2000	16	Coronet	326 CID (5.3L) OHV	1959	47
Cirrus	2497CC (2.5L) EEB Mitsubishi	1995-2000	23	Coronet	340 CID (5.6L) OHV	1973	57
Colt	86 CID (1.4L) SOHC "J"	1979-1983	1	Coronet	360 CID (5.9L)	1974-1976	60
	Mitsubishi			Coronet	361 CID (5.9L) OHV	1965	59
Colt	92 CID (1.5L) SOHC Jet Valve	1985-1988	3	Coronet	383 CID (6.3L) OHV	1959-1970	59
	"Q" Carbureted Mitsubishi			Coronet	400 CID (6.6L) OHV	1972-1976	59
Colt	92 CID (1.5L) SOHC 8 Valve	1987-1990	3	Coronet	413 CID (6.8L) OHV	1965	63
	"Q" Fuel Injected Mitsubishi			Coronet	426 CID (7.0L) Wedge	1965	61



CHRYSLER (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Coronet	426 CID (7.0L) Hemispherical	1965-1969	64	Dart	361 CID (5.9L) OHV	1961	59
Coronet	440 CID (7.2L) OHV	1967-1976	63	Dart	383 CID (6.3L) OHV	1960-1969	59
Cranbrook	218 CID (3.6L) L-Head	1951-1953	32	Dart	413 CID (6.8L) OHV	1961	63
Crown	392 CID (6.4L) Hemispherical	1957-1958	62	Daytona	135 CID (2.2L) SOHC	1984-1987	13
Crown	413 CID (6.8L) OHV	1959-1965	63	Daytona	135 CID (2.2L) SOHC	1984-1990	13
Crown	440 CID (7.2L) OHV	1966-1970	63	Daytona	135 CID (2.2L) DOHC	1992-1993	13
Crown Imperial	324 CID (5.3L) L-Head	1940-1950	56	Daytona	153 CID (2.5L) SOHC	1986-1993	20
Crown Imperial	331 CID (5.4L) Hemispherical	1951-1953	50	Daytona	153 CID (2.5L) SOHC	1989-1992	20
Crown Imperial	331 CID (5.4L) Hemispherical	1955	50	Daytona	181 CID (3.0L) SOHC Mitsubishi	1990-1993	26
Crown Imperial	354 CID (5.8L) Hemispherical	1956	50	DeSoto	361 CID (5.9L) OHV	1961	59
Crown Imperial	392 CID (6.4L) Hemispherical	1957	62	Deluxe	237 CID (3.9L) L-Head DeSoto	1946-1950	33
Crown Imperial	413 CID (6.8L) OHV	1958-1961	63	Deluxe	251 CID (4.1L) L-Head	1951-1952	33
Custom	413 CID (6.8L) OHV	1959-1963	63	Deluxe	230 CID (3.8L) L-Head	1946-1948	37
Custom	237 CID (3.9L) L-Head DeSoto	1946-1950	33	Deluxe	218 CID (3.6L) L-Head	1942-1950	32
Custom	251 CID (4.1L) L-Head	1951-1952	33	Diplomat	225 CID (3.7L) OHV	1978-1982	35
Custom	218 CID (3.6L) L-Head	1941-1942	32	Diplomat	318 CID (5.2L)	1977-1989	53
Custom	230 CID (3.8L) L-Head	1946-1948	37	Diplomat	360 CID (5.9L)	1978-1979	60
Custom Imperial	324 CID (5.3L) L-Head	1939	56	Durango	226 CID/3701CC (3.7L) EKG SOHC 12 Valve	2004-2008	36
Custom Imperial	331 CID (5.4L) Hemispherical	1953-1954	50	Durango	239 CID (3.9L) Dodge	1998-1999	39
Custom Royal	270 CID (4.4L) Hemispherical	1955	46	Durango	287 CID (4.7L) SOHC	2000-2007	48
Custom Royal	270 CID (4.4L) OHV	1955	46	Durango	287 CID (4.7L) EVD SOHC	2005-2007	48
Custom Royal	315 CID (5.2L) Hemispherical	1956	52	Durango	318 CID (5.2L)	1998-2000	53
Custom Royal	325 CID (5.3L) Hemispherical	1957	52	Durango	345 CID (5.7L) EZA	2004-2005	58
Custom Royal	361 CID (5.9L) OHV	1958	59	Durango	360 CID (5.9L)	1998-2003	60
Custom Sierra	325 CID (5.3L) Hemispherical	1957	52	Duster	198 CID (3.2L) OHV	1970-1973	25
Custom Sierra	326 CID (5.3L) OHV	1959	47	Duster	225 CID (3.7L) OHV	1970-1976	35
Custom Sierra	350 CID (5.7L) OHV	1958	59	Duster	318 CID (5.2L)	1970-1976	53
Custom Sierra	361 CID (5.9L) OHV	1958	59	Duster	340 CID (5.6L) OHV	1970-1973	57
Custom Sierra	383 CID (6.3L) OHV	1958-1959	59	Duster	360 CID (5.9L)	1974-1976	60
D3 Series	218 CID (3.6L) L-Head	1936	32	Dynasty	153 CID (2.5L) SOHC	1988-1993	20
D4 Series	218 CID (3.6L) L-Head	1936	32	Dynasty	181 CID (3.0L) SOHC Mitsubishi	1988-1993	26
D5 Series	218 CID (3.6L) L-Head	1937	32	Dynasty	201 CID (3.3L)	1990-1993	29
D8 Series	218 CID (3.6L) L-Head	1938	32	E-Class	135 CID (2.2L) SOHC	1983-1984	13
D400	225 CID (3.7L) OHV	1963-1971	35	E-Class	135 CID (2.2L) SOHC	1984	13
D400	251 CID (4.1L) L-Head Dodge	1957-1962	41	E-Class	156 CID (2.6L) SOHC "F"	1983-1984	11
D500	251 CID (4.1L) L-Head Dodge	1957-1962	41	Executive Limousine	135 CID (2.2L) SOHC	1986	13
D500	265 CID (4.3L) L-Head Dodge	1957-1960	42	Executive Limousine	156 CID (2.6L) SOHC "F" Mitsubishi	1983-1985	11
D500	318 CID (5.2L)	1969-1971	53	Executive Sedan	156 CID (2.6L) SOHC "F" Mitsubishi	1983-1984	11
D500	354 CID (5.8L) Hemispherical	1957	50	Firedome	361 CID (5.9L) OHV	1958	59
D500	360 CID (5.9L)	1969-1971	60	Firedome	383 CID (6.3L) OHV	1959	59
D600	265 CID (4.3L) L-Head Dodge	1957-1959	42	Fireflite	361 CID (5.9L) OHV	1958	59
D600	318 CID (5.2L)	1960-1971	53	Fireflite	383 CID (6.3L) OHV	1959	59
D600	360 CID (5.9L)	1971-1977	60	Firesweep	325 CID (5.3L) Hemispherical	1957	52
D600	361 CID (5.9L) OHV	1960-1971	59	Firesweep	350 CID (5.7L) OHV	1958	59
D700	361 CID (5.9L) OHV	1960-1971	59	Firesweep	361 CID (5.9L) OHV	1959	59
D700	413 CID (6.8L) OHV	1963-1976	63	Firesweep	225 CID (3.7L) OHV	1960-1978	35
D800	361 CID (5.9L) OHV	1963-1975	59	Fury	318 CID (5.2L)	1959-1978	53
D800	413 CID (6.8L) OHV	1963-1977	63	Fury	360 CID (5.9L)	1975-1978	60
DR	218 CID (3.6L) L-Head	1934	32	Fury	361 CID (5.9L) OHV	1959	59
DS	218 CID (3.6L) L-Head	1934	32	Fury	383 CID (6.3L) OHV	1960-1961	59
DU Series	218 CID (3.6L) L-Head	1935	32	Fury	400 CID (6.6L) OHV	1975-1978	59
Dakota	135 CID (2.2L) SOHC	1987-1988	13	Fury	413 CID (6.8L) OHV	1961	63
Dakota	150 CID (2.5L) Jeep	1996-2002	18	Fury	426 CID (7.0L) Wedge	1963	61
Dakota	153 CID (2.5L) SOHC	1989-1995	20	Fury	426 CID (7.0L) Hemispherical	1964	64
Dakota	226 CID/3701CC (3.7L) EKG SOHC 12 Valve	2004-2008	36	Fury	440 CID (7.2L) OHV	1975-1978	63
Dakota	239 CID (3.9L) Dodge	1987-2003	39	Fury Custom	225 CID (3.7L) OHV	1971	35
Dakota	287 CID (4.7L) SOHC	2000-2007	48	Fury Custom	318 CID (5.2L)	1971	53
Dakota	287 CID (4.7L) SOHC High Output	2005-2007	49	Fury Custom	340 CID (5.6L) OHV	1971	57
Dakota	318 CID (5.2L)	1989-1999	53	Fury Custom	360 CID (5.9L)	1971	60
Dakota	360 CID (5.9L)	1998-2003	60	Fury Custom	383 CID (6.3L) OHV	1971	59
Dart	170 CID (2.8L) OHV	1963-1969	25	Fury Custom	440 CID (7.2L) OHV	1971	63
Dart	198 CID (3.2L) OHV	1970-1974	25	Fury Grand Coupe	318 CID (5.2L)	1970	53
Dart	225 CID (3.7L) OHV	1960-1976	35	Fury Grand Coupe	360 CID (5.9L)	1972	60
Dart	273 CID (4.5L) OHV	1964-1969	47	Fury Grand Coupe	383 CID (6.3L) OHV	1970	59
Dart	318 CID (5.2L)	1960-1976	53	Fury Grand Coupe	400 CID (6.6L) OHV	1972	59
Dart	340 CID (5.6L) OHV	1968-1972	57				
Dart	360 CID (5.9L)	1974	60				



CHRYSLER (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Fury Grand Coupe	440 CID (7.2L) OHV	1970	63	Imperial	392 CID (6.4L) Hemispherical	1957-1958	62
Fury Grand Sedan	318 CID (5.2L)	1972	53	Imperial	440 CID (7.2L) OHV	1967	63
Fury Grand Sedan	360 CID (5.9L)	1972	60	Intrepid	167 CID/2736CC (2.7L) DOHC	1998-2004	24
Fury Grand Sedan	400 CID (6.6L) OHV	1972	59	Intrepid	197 CID (3.2L) EGW SOHC	1998-2001	28
Fury I	225 CID (3.7L) OHV	1965-1971	35	Intrepid	201 CID (3.3L)	1993-1997	29
Fury I	273 CID (4.5L) OHV	1967	47	Intrepid	201 CID (3.3L)	1994-1995	29
Fury I	318 CID (5.2L)	1965-1973	53	Intrepid	215 CID (3.5L) SOHC	1993-2004	30
Fury I	340 CID (5.6L) OHV	1971	57	KINGSWAY	218 CID (3.6L) L-Head	1940-1942	32
Fury I	360 CID (5.9L)	1971-1974	60	L600	225 CID (3.7L) OHV	1966-1970	35
Fury I	361 CID (5.9L) OHV	1965	59	L600	318 CID (5.2L)	1966-1970	53
Fury I	383 CID (6.3L) OHV	1965-1971	59	L600	354 CID (5.8L) 6-354 Perkins Diesel	1966-1970	43
Fury I	400 CID (6.6L) OHV	1972-1973	59				
Fury I	426 CID (7.0L) Wedge	1965	61	L600	361 CID (5.9L) OHV	1966-1970	59
Fury I	440 CID (7.2L) OHV	1966-1974	63	L700	361 CID (5.9L) OHV	1966-1970	59
Fury II	225 CID (3.7L) OHV	1965-1971	35	LHS	215 CID (3.5L) SOHC	1994-2001	30
Fury II	318 CID (5.2L)	1965-1971	53	Lancer	135 CID (2.2L) SOHC	1985-1989	13
Fury II	340 CID (5.6L) OHV	1971	57	Lancer	135 CID (2.2L) SOHC	1985-1988	13
Fury II	360 CID (5.9L)	1971	60	Lancer	153 CID (2.5L) SOHC	1986-1989	20
Fury II	361 CID (5.9L) OHV	1965	59	Lancer	153 CID (2.5L) SOHC	1989	20
Fury II	383 CID (6.3L) OHV	1965-1971	59	Lancer	170 CID (2.8L) OHV	1961-1962	25
Fury II	400 CID (6.6L) OHV	1972	59	Lancer	225 CID (3.7L) OHV	1961-1962	35
Fury II	426 CID (7.0L) Wedge	1965	61	Laser	107 CID (1.8L) 8 Valve (4G37)	1989-1994	6
Fury II	440 CID (7.2L) OHV	1966-1973	63				
Fury III	225 CID (3.7L) OHV	1965-1969	35	Laser	122 CID (2.0L) 4G63 DOHC	1990-1994	8
Fury III	318 CID (5.2L)	1965-1973	53				
Fury III	340 CID (5.6L) OHV	1971	57	Laser	122 CID (2.0L) 4G63T DOHC	1990-1994	8
Fury III	360 CID (5.9L)	1971-1974	60				
Fury III	361 CID (5.9L) OHV	1965	59	Laser	135 CID (2.2L) SOHC	1984-1986	13
Fury III	383 CID (6.3L) OHV	1965-1969	59	Laser	135 CID (2.2L) SOHC	1984-1986	13
Fury III	400 CID (6.6L) OHV	1972-1973	59	Laser	153 CID (2.5L) SOHC	1986	20
Fury III	426 CID (7.0L) Wedge	1965	61	Lebaron	135 CID (2.2L) SOHC	1982-1989	13
Fury III	440 CID (7.2L) OHV	1966-1974	63	Lebaron	135 CID (2.2L) SOHC	1984-1990	13
GTX	426 CID (7.0L) Hemispherical	1968-1971	64	Lebaron	153 CID (2.5L) SOHC	1986-1995	20
GTX	440 CID (7.2L) OHV	1967-1971	63	Lebaron	153 CID (2.5L) SOHC	1989-1992	20
Gran Fury	225 CID (3.7L) OHV	1980-1982	35	Lebaron	156 CID (2.6L) SOHC "F"	1982-1985	11
Gran Fury	318 CID (5.2L)	1973-1989	53				
Gran Fury	360 CID (5.9L)	1973-1976	60	Lebaron	181 CID (3.0L) SOHC Mitsubishi	1990-1995	26
Gran Fury	400 CID (6.6L) OHV	1973-1977	59	Lebaron	225 CID (3.7L) OHV	1978-1980	35
Gran Fury	440 CID (7.2L) OHV	1973-1977	63	Lebaron	318 CID (5.2L)	1977-1981	53
Grand Caravan	135 CID (2.2L) SOHC	1987	13	Lebaron	360 CID (5.9L)	1978-1979	60
Grand Caravan	148 CID/2429CC (2.4L) DOHC	1996-1997	16	Lebaron	392 CID (6.4L) Hemispherical	1957-1958	62
Grand Caravan	153 CID (2.5L) SOHC	1987-1989	20	Lebaron	413 CID (6.8L) OHV	1959-1963	63
Grand Caravan	153 CID (2.5L) SOHC	1989-1990	20	Lebaron	440 CID (7.2L) OHV	1966-1975	63
Grand Caravan	156 CID (2.6L) SOHC "F"	1987	11	M300	318 CID (5.2L)	1963-1972	53
	Mitsubishi			M300	360 CID (5.9L)	1976-1980	60
Grand Caravan	181 CID (3.0L) SOHC Mitsubishi	1987-2000	26	M300	440 CID (7.2L) OHV	1975-1980	63
Grand Caravan	201 CID (3.3L)	1990-2006	29	M400	318 CID (5.2L)	1975	53
Grand Caravan	201 CID (3.3L)	1994-1996	29	M400	360 CID (5.9L)	1976-1980	60
Grand Caravan	201 CID (3.3L) EGM	1998-2003	29	M400	440 CID (7.2L) OHV	1975-1980	63
Grand Caravan	230 CID (3.8L)	1994-2007	29	M500	440 CID (7.2L) OHV	1973-1980	63
Grand Voyager	135 CID (2.2L) SOHC	1987	13	M600	440 CID (7.2L) OHV	1976-1980	63
Grand Voyager	148 CID/2429CC (2.4L) DOHC	1996-1997	16	MBH300	318 CID (5.2L)	1974-1978	53
Grand Voyager	153 CID (2.5L) SOHC	1987-1989	20	MBH300	360 CID (5.9L)	1974-1980	60
Grand Voyager	153 CID (2.5L) SOHC	1989	20	MBH300	440 CID (7.2L) OHV	1974-1980	63
Grand Voyager	181 CID (3.0L) SOHC Mitsubishi	1987-2000	26	MBH350	360 CID (5.9L)	1981	60
Grand Voyager	201 CID (3.3L)	1990-2000	29	MBH400	360 CID (5.9L)	1977-1980	60
Grand Voyager	201 CID (3.3L)	1994-1996	29	MBH400	440 CID (7.2L) OHV	1979-1980	63
Grand Voyager	201 CID (3.3L) EGM	1998-2000	29	MBH450	360 CID (5.9L)	1981	60
Grand Voyager	230 CID (3.8L)	1994-1999	29	MBL300	318 CID (5.2L)	1974-1978	53
Horizon	105 CID (1.7L) SOHC	1978-1982	5	MBL300	360 CID (5.9L)	1974-1980	60
	Volkswagen			MBL300	440 CID (7.2L) OHV	1974-1980	63
Horizon	135 CID (2.2L) SOHC	1981-1990	13	MBL350	360 CID (5.9L)	1981	60
Imperial	201 CID (3.3L)	1990-1991	29	Magnum	167 CID/2736CC (2.7L) DOHC	2005-2008	24
Imperial	230 CID (3.8L)	1991-1993	29	Magnum	215 CID (3.5L) SOHC	2005-2008	30
Imperial	318 CID (5.2L)	1981-1982	53	Magnum	318 CID (5.2L)	1978	53
Imperial	324 CID (5.3L) L-Head	1939-1950	56	Magnum	345 CID (5.7L) EZB	2005-2008	58
Imperial	331 CID (5.4L) Hemispherical	1951-1952	50	Magnum	360 CID (5.9L)	1978	60
Imperial	331 CID (5.4L) Hemispherical	1955	50	Magnum	370 CID (6.1L)	2006-2008	58
Imperial	354 CID (5.8L) Hemispherical	1956	50	Magnum	400 CID (6.6L) OHV	1978	59



CHRYSLER (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Matador	361 CID (5.9L) OHV	1960	59	Plaza	270 CID (4.4L) OHV	1956	46
Matador	383 CID (6.3L) OHV	1960	59	Plaza	277 CID (4.5L) OHV	1956-1957	47
Meadowbrook	230 CID (3.8L) L-Head	1949-1954	37	Plaza	301 CID (4.9L)	1957	47
Medallion	132 CID (2.2L) J7T Renault	1988-1989	12	Plaza	318 CID (5.2L)	1958	53
Mini Ram	135 CID (2.2L) SOHC	1984-1987	13	Polara	225 CID (3.7L) OHV	1963-1964	35
Mini Ram	153 CID (2.5L) SOHC	1987-1988	20	Polara	318 CID (5.2L)	1963-1973	53
Mini Ram	156 CID (2.6L) SOHC "F"	1984-1987	11	Polara	360 CID (5.9L)	1971-1973	60
	Mitsubishi			Polara	361 CID (5.9L) OHV	1961	59
Mini Ram	181 CID (3.0L) SOHC Mitsubishi	1987-1988	26	Polara	383 CID (6.3L) OHV	1960-1971	59
Mirada	225 CID (3.7L) OHV	1980-1982	35	Polara	400 CID (6.6L) OHV	1972-1973	59
Mirada	318 CID (5.2L)	1980-1982	53	Polara	413 CID (6.8L) OHV	1962	63
Mirada	360 CID (5.9L)	1980	60	Polara	426 CID (7.0L) Wedge	1963-1964	61
Monaco	225 CID (3.7L) OHV	1977-1978	35	Polara	426 CID (7.0L) Hemispherical	1964	64
Monaco	318 CID (5.2L)	1975-1978	53	Polara	440 CID (7.2L) OHV	1966-1973	63
Monaco	360 CID (5.9L)	1972-1978	60	Power Ram 50	122 CID (2.0L) SOHC "A"	1983	10
Monaco	383 CID (6.3L) OHV	1965-1971	59		Mitsubishi		
Monaco	400 CID (6.6L) OHV	1972-1978	59	Power Ram 50	143 CID (2.3L) SOHC Mitsubishi	1983	14
Monaco	413 CID (6.8L) OHV	1965	63		Diesel		
Monaco	426 CID (7.0L) Wedge	1965	61	Power Ram 50	144 CID (2.4L) 4G64 SOHC 8	1993	8
Monaco	440 CID (7.2L) OHV	1966-1978	63		Valve Mitsubishi		
Neon	122 CID (2.0L) DOHC	1995-1999	9	Power Ram 50	156 CID (2.6L) SOHC "W"	1982-1989	21
Neon	122 CID (2.0L) SOHC	1995-2005	9		Mitsubishi		
New Yorker	135 CID (2.2L) SOHC	1983	13	Power Ram 50	181 CID (3.0L) SOHC Mitsubishi	1990	26
New Yorker	135 CID (2.2L) SOHC	1984-1988	13	Power Ram W250	318 CID (5.2L)	1981-1987	53
New Yorker	153 CID (2.5L) SOHC	1986-1987	20	Power Ram W250	360 CID (5.9L)	1981-1988	60
New Yorker	156 CID (2.6L) SOHC "F"	1983-1985	11	Power Ram W350	318 CID (5.2L)	1982	53
	Mitsubishi			Power Ram W350	360 CID (5.9L)	1981-1988	60
New Yorker	181 CID (3.0L) SOHC Mitsubishi	1988-1990	26	Power Ram W450	360 CID (5.9L)	1981	60
New Yorker	201 CID (3.3L)	1990-1993	29	Power Wagon	230 CID (3.8L) L-Head Dodge	1947-1957	37
New Yorker	215 CID (3.5L) SOHC	1994-1996	30	Powermaster	251 CID (4.1L) L-Head	1953-1954	33
New Yorker	225 CID (3.7L) OHV	1982	35	Premier	150 CID (2.5L) SOHC Renault	1988	19
New Yorker	230 CID (3.8L)	1991-1993	29	Prowler	215 CID (3.5L) SOHC	1997-2002	30
New Yorker	318 CID (5.2L)	1979-1982	53	RM300	318 CID (5.2L)	1973-1974	53
New Yorker	324 CID (5.3L) L-Head	1939-1950	56	RM300	413 CID (6.8L) OHV	1973-1974	63
New Yorker	331 CID (5.4L) Hemispherical	1951-1955	50	RM300	440 CID (7.2L) OHV	1973-1974	63
New Yorker	354 CID (5.8L) Hemispherical	1956	50	RM350	318 CID (5.2L)	1973-1974	53
New Yorker	360 CID (5.9L)	1977-1980	60	RM350	400 CID (6.6L) OHV	1973-1974	59
New Yorker	392 CID (6.4L) Hemispherical	1957-1958	62	RM350	413 CID (6.8L) OHV	1973-1974	63
New Yorker	400 CID (6.6L) OHV	1975-1978	59	RM400	413 CID (6.8L) OHV	1973-1974	63
New Yorker	413 CID (6.8L) OHV	1959-1965	63	RM400	440 CID (7.2L) OHV	1973-1974	63
New Yorker	440 CID (7.2L) OHV	1966-1978	63	Raider	156 CID (2.6L) SOHC "W"	1987-1989	21
Newport	225 CID (3.7L) OHV	1979	35		Mitsubishi		
Newport	318 CID (5.2L)	1979-1980	53	Raider	181 CID (3.0L) SOHC Mitsubishi	1989	26
Newport	360 CID (5.9L)	1971-1980	60	Ram 50	122 CID (2.0L) SOHC "A"	1983-1989	10
Newport	361 CID (5.9L) OHV	1961-1964	59		Mitsubishi		
Newport	383 CID (6.3L) OHV	1965-1971	59	Ram 50	122 CID/1997CC (2.0L) SOHC	1982	11
Newport	400 CID (6.6L) OHV	1972-1978	59		"U" Mitsubishi		
Newport	440 CID (7.2L) OHV	1966-1978	63	Ram 50	143 CID (2.3L) SOHC Mitsubishi	1983-1985	14
Omni	105 CID (1.7L) SOHC	1978-1982	5		Diesel		
	Volkswagen			Ram 50	144 CID (2.4L) 4G64 SOHC 8	1990-1992	8
Omni	135 CID (2.2L) SOHC	1981-1990	13		Valve Mitsubishi		
Omni	135 CID (2.2L) SOHC	1985-1986	13	Ram 50	156 CID (2.6L) SOHC "W"	1982-1989	21
P100	225 CID (3.7L) OHV	1962-1965	35		Mitsubishi		
P200	170 CID (2.8L) OHV	1961	25	Ram 50	181 CID (3.0L) SOHC Mitsubishi	1990-1992	26
P200	225 CID (3.7L) OHV	1961-1974	35	Ram 1500	226 CID/3701CC (3.7L) EKG	2002-2008	36
P300	170 CID (2.8L) OHV	1961	25		SOHC 12 Valve		
P300	225 CID (3.7L) OHV	1961-1977	35	Ram 1500	239 CID (3.9L) Dodge	1994-2001	39
P300	230 CID (3.8L) L-Head Dodge	1957-1960	37	Ram 1500	287 CID (4.7L) SOHC	2002-2007	48
P300	318 CID (5.2L)	1959-1960	53	Ram 1500	287 CID (4.7L) EVD SOHC	2004-2007	48
P400	225 CID (3.7L) OHV	1961-1974	35	Ram 1500	318 CID (5.2L)	1994-2001	53
P400	230 CID (3.8L) L-Head Dodge	1957-1960	37	Ram 1500	318 CID (5.2L)	1994-1996	54
P400	251 CID (4.1L) L-Head Dodge	1961-1962	41	Ram 1500	345 CID (5.7L) EZA	2003-2005	58
P400	318 CID (5.2L)	1959-1960	53	Ram 1500	360 CID (5.9L)	1994-2003	60
PT Cruiser	148 CID/2429CC (2.4L) DOHC	2001-2008	16	Ram 2500	318 CID (5.2L)	1994-1996	53
PT Cruiser	148 CID/2429CC (2.4L) DOHC	2003-2008	17	Ram 2500	318 CID (5.2L)	1995-1996	54
Pacifica	215 CID (3.5L) SOHC	2004-2006	30	Ram 2500	359 CID (5.9L) ETB Cummins	1994-1996	44
Pacifica	230 CID (3.8L)	2005-2007	29		Diesel		
Plaza	218 CID (3.6L) L-Head	1954	32	Ram 2500	360 CID (5.9L)	1994-1996	60
Plaza	230 CID (3.8L) L-Head	1954-1958	37	Ram 2500	488 CID (8.0L) Iron Block Dodge	1994-1996	66



CHRYSLER (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Ram 2500 Heavy Duty	345 CID (5.7L) EZA	2003-2008	58	Ram D300	225 CID (3.7L) OHV	1961-1978	35
Ram 2500 Heavy Duty	359 CID (5.9L) ETC 24 Valves Cummins Diesel	2003-2004	45	Ram D300	230 CID (3.8L) L-Head Dodge	1957-1960	37
Ram 2500 Heavy Duty	488 CID (8.0L) Iron Block Dodge	2003	66	Ram D300	318 CID (5.2L)	1959-1979	53
Ram 2500HD	359 CID (5.9L) ETB Cummins Diesel	1994-1998	44	Ram D300	360 CID (5.9L)	1972-1980	60
Ram 2500HD	359 CID (5.9L) ETC 24 Valves Cummins Diesel	1998-2002	45	Ram D300	383 CID (6.3L) OHV	1967-1971	59
Ram 2500HD	359 CID (5.9L) ETH 24 Valves Cummins Diesel	2001-2002	45	Ram D300	400 CID (6.6L) OHV	1972-1978	59
Ram 2500HD	360 CID (5.9L)	1994-2002	60	Ram D300	440 CID (7.2L) OHV	1974-1978	63
Ram 2500HD	488 CID (8.0L) Iron Block Dodge	1994-2002	66	Ram D350	239 CID (3.9L) Dodge	1990-1993	39
Ram 3500	359 CID (5.9L) ETB Cummins Diesel	1994-1998	44	Ram D350	318 CID (5.2L)	1981-1993	53
Ram 3500	359 CID (5.9L) ETC 24 Valves Cummins Diesel	1998-2002	45	Ram D350	359 CID (5.9L) ETA Cummins Diesel	1989-1993	44
Ram 3500	359 CID (5.9L) ETH 24 Valves Cummins Diesel	2001-2002	45	Ram D350	359 CID (5.9L) ETB Cummins Diesel	1990-1993	44
Ram 3500	360 CID (5.9L)	1994-2002	60	Ram D350	360 CID (5.9L)	1981-1992	60
Ram 3500	488 CID (8.0L) Iron Block Dodge	1994-2002	66	Ram D400	360 CID (5.9L)	1979-1980	60
Ram 3500 Heavy Duty	345 CID (5.7L) EZA	2003-2007	58	Ram RD200	318 CID (5.2L)	1974-1978	53
Ram 3500 Heavy Duty	359 CID (5.9L) ETC 24 Valves Cummins Diesel	2003-2004	45	Ram RD200	360 CID (5.9L)	1974-1978	60
Ram 3500 Heavy Duty	488 CID (8.0L) Iron Block Dodge	2003	66	Ram Van 1500	239 CID (3.9L) Dodge	1994-2003	39
Ram CB300	225 CID (3.7L) OHV	1972-1978	35	Ram Van 1500	318 CID (5.2L)	1994-2003	53
Ram CB300	318 CID (5.2L)	1972-1980	53	Ram Van 1500	360 CID (5.9L)	1997-2003	60
Ram CB300	360 CID (5.9L)	1972-1980	60	Ram Van 2500	239 CID (3.9L) Dodge	1994-1997	39
Ram CB350	360 CID (5.9L)	1981	60	Ram Van 2500	318 CID (5.2L)	1994-2003	53
Ram CB400	360 CID (5.9L)	1979	60	Ram Van 2500	318 CID (5.2L)	1994-2003	54
Ram CB450	360 CID (5.9L)	1981	60	Ram Van 2500	360 CID (5.9L)	1994-2003	60
Ram D50	122 CID/1997CC (2.0L) SOHC "U" Mitsubishi	1979-1980	11	Ram Van 3500	318 CID (5.2L)	1994-2003	53
Ram D50	156 CID (2.6L) SOHC "W" Mitsubishi	1979-1980	21	Ram Van 3500	318 CID (5.2L)	1994-2003	54
Ram D100	198 CID (3.2L) OHV	1970-1971	25	Ram Van 3500	360 CID (5.9L)	1994-2003	60
Ram D100	225 CID (3.7L) OHV	1961-1987	35	Ram Van B100	225 CID (3.7L) OHV	1971-1980	35
Ram D100	230 CID (3.8L) L-Head Dodge	1957-1960	37	Ram Van B100	243 CID (4.0L) OHV Mitsubishi Diesel	1979	40
Ram D100	239 CID (3.9L) Dodge	1988-1989	39	Ram Van B100	318 CID (5.2L)	1972-1980	53
Ram D100	243 CID (4.0L) OHV Mitsubishi Diesel	1974-1978	40	Ram Van B100	360 CID (5.9L)	1972-1978	60
Ram D100	318 CID (5.2L)	1959-1989	53	Ram Van B150	225 CID (3.7L) OHV	1981-1987	35
Ram D100	360 CID (5.9L)	1972-1988	60	Ram Van B150	239 CID (3.9L) Dodge	1988-1993	39
Ram D100	383 CID (6.3L) OHV	1967-1971	59	Ram Van B150	318 CID (5.2L)	1981-1993	53
Ram D100	400 CID (6.6L) OHV	1972-1980	59	Ram Van B150	360 CID (5.9L)	1988	60
Ram D100	440 CID (7.2L) OHV	1974-1978	63	Ram Van B200	198 CID (3.2L) OHV	1971	25
Ram D150	225 CID (3.7L) OHV	1974-1987	35	Ram Van B200	225 CID (3.7L) OHV	1971-1980	35
Ram D150	239 CID (3.9L) Dodge	1988-1993	39	Ram Van B200	243 CID (4.0L) OHV Mitsubishi Diesel	1979	40
Ram D150	243 CID (4.0L) OHV Mitsubishi Diesel	1974-1980	40	Ram Van B200	318 CID (5.2L)	1971-1980	53
Ram D150	318 CID (5.2L)	1974-1993	53	Ram Van B200	360 CID (5.9L)	1971-1979	60
Ram D150	360 CID (5.9L)	1974-1992	60	Ram Van B200	400 CID (6.6L) OHV	1974-1980	59
Ram D150	400 CID (6.6L) OHV	1974-1978	59	Ram Van B200	440 CID (7.2L) OHV	1974-1978	63
Ram D150	440 CID (7.2L) OHV	1974-1978	63	Ram Van B250	225 CID (3.7L) OHV	1981-1987	35
Ram D200	225 CID (3.7L) OHV	1961-1979	35	Ram Van B250	239 CID (3.9L) Dodge	1988-1993	39
Ram D200	230 CID (3.8L) L-Head Dodge	1957-1960	37	Ram Van B250	318 CID (5.2L)	1981-1993	53
Ram D200	243 CID (4.0L) OHV Mitsubishi Diesel	1974-1979	40	Ram Van B250	318 CID (5.2L)	1992-1993	54
Ram D200	318 CID (5.2L)	1959-1980	53	Ram Van B250	360 CID (5.9L)	1981-1992	60
Ram D200	360 CID (5.9L)	1972-1980	60	Ram Van B300	225 CID (3.7L) OHV	1971-1978	35
Ram D200	383 CID (6.3L) OHV	1967-1971	59	Ram Van B300	243 CID (4.0L) OHV Mitsubishi Diesel	1979	40
Ram D200	400 CID (6.6L) OHV	1972-1978	59	Ram Van B300	318 CID (5.2L)	1971-1980	53
Ram D200	440 CID (7.2L) OHV	1974-1978	63	Ram Van B300	360 CID (5.9L)	1971-1979	60
Ram D250	225 CID (3.7L) OHV	1981-1987	35	Ram Van B300	400 CID (6.6L) OHV	1974-1978	59
Ram D250	239 CID (3.9L) Dodge	1988-1993	39	Ram Van B300	440 CID (7.2L) OHV	1974-1978	63
Ram D250	318 CID (5.2L)	1981-1993	53	Ram Van B350	318 CID (5.2L)	1981-1993	53
Ram D250	359 CID (5.9L) ETA Cummins Diesel	1989-1993	44	Ram Van B350	318 CID (5.2L)	1992-1993	54
Ram D250	359 CID (5.9L) ETB Cummins Diesel	1990-1993	44	Ram Van B350	360 CID (5.9L)	1983-1992	60
Ram D250	360 CID (5.9L)	1981-1992	60	Ram W100	225 CID (3.7L) OHV	1961-1987	35
				Ram W100	230 CID (3.8L) L-Head Dodge	1957-1960	37
				Ram W100	239 CID (3.9L) Dodge	1989	39
				Ram W100	318 CID (5.2L)	1959-1989	53
				Ram W100	360 CID (5.9L)	1972-1988	60
				Ram W100	383 CID (6.3L) OHV	1967-1971	59
				Ram W100	400 CID (6.6L) OHV	1972-1977	59
				Ram W100	440 CID (7.2L) OHV	1974-1977	63
				Ram W150	225 CID (3.7L) OHV	1977-1987	35
				Ram W150	239 CID (3.9L) Dodge	1989-1993	39



CHRYSLER (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Ram W150	243 CID (4.0L) OHV Mitsubishi Diesel	1977-1979	40	Ram Wagon B350	318 CID (5.2L)	1982-1993	53
Ram W150	318 CID (5.2L)	1977-1993	53	Ram Wagon B350	318 CID (5.2L)	1992-1993	54
Ram W150	360 CID (5.9L)	1977-1992	60	Ram Wagon B350	360 CID (5.9L)	1982-1992	60
Ram W150	400 CID (6.6L) OHV	1977-1978	59	Ramcharger	225 CID (3.7L) OHV	1974-1979	35
Ram W150	440 CID (7.2L) OHV	1977-1978	63	Ramcharger	318 CID (5.2L)	1974-1993	53
Ram W200	225 CID (3.7L) OHV	1961-1978	35	Ramcharger	360 CID (5.9L)	1974-1992	60
Ram W200	230 CID (3.8L) L-Head Dodge	1957-1960	37	Ramcharger	400 CID (6.6L) OHV	1974-1978	59
Ram W200	243 CID (4.0L) OHV Mitsubishi Diesel	1974-1979	40	Ramcharger	440 CID (7.2L) OHV	1974-1978	63
Ram W200	318 CID (5.2L)	1959-1980	53	Rampage	105 CID (1.7L) SOHC Volkswagen	1982-1983	5
Ram W200	360 CID (5.9L)	1972-1980	60	Rampage	135 CID (2.2L) SOHC	1982-1984	13
Ram W200	383 CID (6.3L) OHV	1967-1971	59	Reliant	135 CID (2.2L) SOHC	1981-1989	13
Ram W200	400 CID (6.6L) OHV	1972-1978	59	Reliant	153 CID (2.5L) SOHC	1986-1989	20
Ram W200	440 CID (7.2L) OHV	1974-1978	63	Reliant	156 CID (2.6L) SOHC "F"	1981-1985	11
Ram W250	318 CID (5.2L)	1981-1993	53	Road Runner	318 CID (5.2L)	1972-1975	53
Ram W250	359 CID (5.9L) ETA Cummins Diesel	1989-1993	44	Road Runner	340 CID (5.6L) OHV	1971-1973	57
Ram W250	359 CID (5.9L) ETB Cummins Diesel	1990-1993	44	Road Runner	360 CID (5.9L)	1974-1975	60
Ram W250	360 CID (5.9L)	1981-1992	60	Road Runner	383 CID (6.3L) OHV	1968-1971	59
Ram W300	225 CID (3.7L) OHV	1961-1978	35	Road Runner	400 CID (6.6L) OHV	1972-1975	59
Ram W300	251 CID (4.1L) L-Head Dodge	1957-1968	41	Road Runner	426 CID (7.0L) Hemispherical	1968-1971	64
Ram W300	318 CID (5.2L)	1959-1978	53	Road Runner	440 CID (7.2L) OHV	1970-1974	63
Ram W300	360 CID (5.9L)	1972-1978	60	Royal	251 CID (4.1L) L-Head	1942	33
Ram W300	383 CID (6.3L) OHV	1967-1969	59	Royal	270 CID (4.4L) Hemispherical	1955	46
Ram W300	400 CID (6.6L) OHV	1972-1978	59	Royal	270 CID (4.4L) OHV	1955-1956	46
Ram W300	440 CID (7.2L) OHV	1974-1978	63	Royal	315 CID (5.2L) Hemispherical	1956	52
Ram W350	318 CID (5.2L)	1983-1993	53	Royal	325 CID (5.3L) Hemispherical	1957-1958	52
Ram W350	359 CID (5.9L) ETA Cummins Diesel	1989-1993	44	Royal	350 CID (5.7L) OHV	1958	59
Ram W350	359 CID (5.9L) ETB Cummins Diesel	1990-1993	44	Royal	361 CID (5.9L) OHV	1958	59
Ram W350	360 CID (5.9L)	1983-1992	60	Royal	383 CID (6.3L) OHV	1958-1959	59
Ram W400	360 CID (5.9L)	1974-1977	60	Royal Monaco	318 CID (5.2L)	1975	53
Ram W400	400 CID (6.6L) OHV	1974-1977	59	Royal Monaco	360 CID (5.9L)	1975-1977	60
Ram W400	440 CID (7.2L) OHV	1974-1977	63	Royal Monaco	400 CID (6.6L) OHV	1975-1976	59
Ram Wagon 1500	239 CID (3.9L) Dodge	1994-2002	39	Royal Monaco	440 CID (7.2L) OHV	1975-1978	63
Ram Wagon 1500	318 CID (5.2L)	1994-2002	53	S400	225 CID (3.7L) OHV	1963-1971	35
Ram Wagon 2500	239 CID (3.9L) Dodge	1994-1996	39	S400	251 CID (4.1L) L-Head Dodge	1957-1962	41
Ram Wagon 2500	318 CID (5.2L)	1994-2002	53	S500	225 CID (3.7L) OHV	1963-1968	35
Ram Wagon 2500	318 CID (5.2L)	1994-2002	54	S500	251 CID (4.1L) L-Head Dodge	1957-1968	41
Ram Wagon 2500	360 CID (5.9L)	1994-2002	60	S500	265 CID (4.3L) L-Head Dodge	1957-1960	42
Ram Wagon 3500	318 CID (5.2L)	1994-2002	53	S500	318 CID (5.2L)	1958-1971	53
Ram Wagon 3500	318 CID (5.2L)	1994-2002	54	S600	265 CID (4.3L) L-Head Dodge	1957-1959	42
Ram Wagon 3500	360 CID (5.9L)	1994-2002	60	S600	318 CID (5.2L)	1960-1977	53
Ram Wagon B100	198 CID (3.2L) OHV	1971	25	S600	361 CID (5.9L) OHV	1960-1977	59
Ram Wagon B100	225 CID (3.7L) OHV	1971-1980	35	S700	413 CID (6.8L) OHV	1976	63
Ram Wagon B100	318 CID (5.2L)	1971-1980	53	SRT-4	148 CID/2429CC (2.4L) DOHC	2003-2005	17
Ram Wagon B100	360 CID (5.9L)	1971-1978	60	SX 2.0	122 CID (2.0L) SOHC	2003-2005	9
Ram Wagon B150	225 CID (3.7L) OHV	1983-1987	35	Sapporo	98 CID (1.6L) SOHC K & Z Mitsubishi	1978-1979	4
Ram Wagon B150	239 CID (3.9L) Dodge	1988-1993	39	Sapporo	156 CID (2.6L) SOHC "F" Mitsubishi	1978-1983	11
Ram Wagon B150	318 CID (5.2L)	1983-1993	53	Saratoga	324 CID (5.3L) L-Head	1939-1942	56
Ram Wagon B200	198 CID (3.2L) OHV	1971	25	Saratoga	331 CID (5.4L) Hemispherical	1951-1952	50
Ram Wagon B200	225 CID (3.7L) OHV	1971-1978	35	Saratoga	354 CID (5.8L) Hemispherical	1957-1958	50
Ram Wagon B200	318 CID (5.2L)	1971-1980	53	Saratoga	383 CID (6.3L) OHV	1959-1960	61
Ram Wagon B200	360 CID (5.9L)	1971-1979	60	Satellite	225 CID (3.7L) OHV	1968-1974	35
Ram Wagon B200	400 CID (6.6L) OHV	1974-1978	59	Satellite	273 CID (4.5L) OHV	1967	47
Ram Wagon B200	440 CID (7.2L) OHV	1974-1978	63	Satellite	318 CID (5.2L)	1967-1974	53
Ram Wagon B250	225 CID (3.7L) OHV	1982-1987	35	Satellite	340 CID (5.6L) OHV	1973	57
Ram Wagon B250	239 CID (3.9L) Dodge	1988-1993	39	Satellite	360 CID (5.9L)	1974	60
Ram Wagon B250	318 CID (5.2L)	1982-1993	53	Satellite	383 CID (6.3L) OHV	1967-1969	59
Ram Wagon B250	318 CID (5.2L)	1992-1993	54	Satellite	400 CID (6.6L) OHV	1972-1974	59
Ram Wagon B250	360 CID (5.9L)	1981-1992	60	Satellite	426 CID (7.0L) Hemispherical	1967	64
Ram Wagon B300	225 CID (3.7L) OHV	1971	35	Satellite	440 CID (7.2L) OHV	1969	63
Ram Wagon B300	318 CID (5.2L)	1971-1980	53	Satellite Sport Wagon	318 CID (5.2L)	1968	53
Ram Wagon B300	360 CID (5.9L)	1971-1979	60	Satellite Sport Wagon	383 CID (6.3L) OHV	1968	59
Ram Wagon B300	400 CID (6.6L) OHV	1974-1978	59	Savoy	218 CID (3.6L) L-Head	1954	32
Ram Wagon B300	440 CID (7.2L) OHV	1974-1978	63	Savoy	225 CID (3.7L) OHV	1960-1964	35
				Savoy	230 CID (3.8L) L-Head	1954-1958	37



CHRYSLER (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Savoy	270 CID (4.4L) OHV	1956	46	Stealth	181 CID (3.0L) SOHC Mitsubishi	1991-1996	26
Savoy	277 CID (4.5L) OHV	1956-1957	47	Stealth	181 CID (3.0L) DOHC Mitsubishi	1991-1996	26
Savoy	301 CID (4.9L)	1957	47	Stealth	181 CID (3.0L) DOHC Mitsubishi	1991-1996	26
Savoy	318 CID (5.2L)	1958-1964	53	Stratus	122 CID (2.0L) SOHC	1995-1999	9
Savoy	361 CID (5.9L) OHV	1959-1964	59	Stratus	148 CID/2429CC (2.4L) DOHC	1995-2006	16
Savoy	383 CID (6.3L) OHV	1960-1964	59	Stratus	167 CID/2736CC (2.7L) DOHC	2001-2006	24
Savoy	413 CID (6.8L) OHV	1961	63	Stratus	167 CID/2736CC (2.7L) DOHC	2003-2006	24
Savoy	426 CID (7.0L) Wedge	1964	61	Stratus	181 CID/2972CC (3.0L) EF7	2001-2005	27
Savoy	426 CID (7.0L) Hemispherical	1964	64		SOHC Mitsubishi		
Scamp	135 CID (2.2L) SOHC	1983	13	Stratus	2497CC (2.5L) EEB Mitsubishi	1995-2000	23
Scamp	198 CID (3.2L) OHV	1971-1973	25	Suburban	325 CID (5.3L) Hemispherical	1957	52
Scamp	225 CID (3.7L) OHV	1971-1973	35	Suburban	350 CID (5.7L) OHV	1958	59
Scamp	318 CID (5.2L)	1971-1976	53	Suburban	361 CID (5.9L) OHV	1958	59
Scamp	360 CID (5.9L)	1975	60	Suburbans	318 CID (5.2L)	1972	53
Sebring	122 CID (2.0L) DOHC	1995-1999	9	Suburbans	360 CID (5.9L)	1972-1974	60
Sebring	148 CID/2429CC (2.4L) DOHC	1996-2006	16	Suburbans	400 CID (6.6L) OHV	1972-1973	59
Sebring	167 CID/2736CC (2.7L) DOHC	2001-2008	24	Suburbans	440 CID (7.2L) OHV	1973-1974	63
Sebring	167 CID/2736CC (2.7L) DOHC	2003-2007	24	Summit	92 CID (1.5L) SOHC 8 Valve	1989-1990	3
Sebring	181 CID/2972CC (3.0L) EF7	2001-2004	27		"Q" Fuel Injected Mitsubishi		
	SOHC Mitsubishi			Summit	92 CID (1.5L) 12 Valve "Q"	1991-1996	2
Sebring	2497CC (2.5L) EEB Mitsubishi	1995-2000	23		Mitsubishi		
Shadow	135 CID (2.2L) SOHC	1987-1994	13	Summit	98 CID (1.6L) DOHC Mitsubishi	1989-1990	4
Shadow	135 CID (2.2L) SOHC	1987-1988	13	Summit	112 CID (1.8L) 16 Valve (4G93)	1992-1996	7
Shadow	153 CID (2.5L) SOHC	1988-1995	20		Mitsubishi		
Shadow	153 CID (2.5L) SOHC	1989-1992	20	Summit	144 CID (2.4L) 4G64 SOHC 8	1992	8
Shadow	181 CID (3.0L) SOHC Mitsubishi	1992-1994	26		Valve Mitsubishi		
Sierra	325 CID (5.3L) Hemispherical	1957	52	Summit	144 CID (2.4L) 4G64 SOHC 16	1993-1996	15
Sierra	326 CID (5.3L) OHV	1959	47		Valve Mitsubishi		
Sierra	350 CID (5.7L) OHV	1958	59	Sundance	135 CID (2.2L) SOHC	1987-1994	13
Sierra	361 CID (5.9L) OHV	1958-1959	59	Sundance	135 CID (2.2L) SOHC	1987-1989	13
Sierra	383 CID (6.3L) OHV	1958-1959	59	Sundance	153 CID (2.5L) SOHC	1988-1995	20
Special Deluxe	218 CID (3.6L) L-Head	1942-1950	32	Sundance	153 CID (2.5L) SOHC	1989-1991	20
Spirit	135 CID (2.2L) DOHC	1991-1992	13	Sundance	181 CID (3.0L) SOHC Mitsubishi	1992-1994	26
Spirit	153 CID (2.5L) SOHC	1989-1995	20	TC3	105 CID (1.7L) SOHC	1981-1982	5
Spirit	153 CID (2.5L) SOHC	1989-1992	20		Volkswagen		
Spirit	181 CID (3.0L) SOHC Mitsubishi	1989-1995	26	TC3	135 CID (2.2L) SOHC	1981	13
Sport Fury	225 CID (3.7L) OHV	1976	35	TC	135 CID (2.2L) DOHC Maserati	1989-1990	13
Sport Fury	318 CID (5.2L)	1959-1971	53	TC	181 CID (3.0L) SOHC Mitsubishi	1990-1991	26
Sport Fury	340 CID (5.6L) OHV	1971	57	TE Series	218 CID (3.6L) L-Head Dodge	1939	32
Sport Fury	360 CID (5.9L)	1971	60	Talon	122 CID (2.0L) 4G63 DOHC	1990-1994	8
Sport Fury	361 CID (5.9L) OHV	1959-1965	59		Mitsubishi		
Sport Fury	383 CID (6.3L) OHV	1963-1971	59	Talon	122 CID (2.0L) 4G63T DOHC	1990-1998	8
Sport Fury	400 CID (6.6L) OHV	1976	59		TURBO Mitsubishi		
Sport Fury	426 CID (7.0L) Wedge	1963-1965	61	Talon	122 CID (2.0L) DOHC	1995-1998	9
Sport Fury	426 CID (7.0L) Hemispherical	1964	64	Town & Country	201 CID (3.3L)	1990-2000	29
Sport Fury	440 CID (7.2L) OHV	1966-1971	63	Town & Country	201 CID (3.3L) EGM	1998-2003	29
Sport Fury GT	383 CID (6.3L) OHV	1971	59	Town & Country	230 CID (3.8L)	1994-2007	29
Sport Fury GT	440 CID (7.2L) OHV	1970-1971	63	Town & Country	383 CID (6.3L) OHV	1969-1971	59
Sport Satellite	318 CID (5.2L)	1968-1969	53	Town & Country	400 CID (6.6L) OHV	1976-1977	59
Sport Satellite	383 CID (6.3L) OHV	1968-1969	59	Town & Country	440 CID (7.2L) OHV	1969-1977	63
Sport Satellite	440 CID (7.2L) OHV	1969	63	Trailduster	225 CID (3.7L) OHV	1974-1980	35
Sportsman Wagon B150	225 CID (3.7L) OHV	1981-1982	35	Trailduster	318 CID (5.2L)	1974-1980	53
Sportsman Wagon B150	318 CID (5.2L)	1981-1982	53	Trailduster	360 CID (5.9L)	1974-1980	60
Sportsman Wagon B250	225 CID (3.7L) OHV	1981	35	Trailduster	400 CID (6.6L) OHV	1974-1978	59
Sportsman Wagon B250	318 CID (5.2L)	1981	53	Trailduster	440 CID (7.2L) OHV	1974-1978	63
Sportsman Wagon B250	360 CID (5.9L)	1981-1982	60	Turismo	105 CID (1.7L) SOHC	1983	5
Sportsman Wagon B350	318 CID (5.2L)	1981	53		Volkswagen		
Sportsman Wagon B350	360 CID (5.9L)	1981	60	Turismo	135 CID (2.2L) SOHC	1983-1986	13
Sprinter 2500	164 CID/2685CC (2.7L)	2003	22	VIP	318 CID (5.2L)	1966-1969	53
	OM612LA Mercedes Benz Diesel			VIP	361 CID (5.9L) OHV	1966	59
Sprinter 2500	164 CID/2685CC (2.7L)	2004-2006	22	VIP	383 CID (6.3L) OHV	1966-1969	59
	OM647LA Mercedes Benz Diesel			VIP	440 CID (7.2L) OHV	1966-1969	63
Sprinter 3500	164 CID/2685CC (2.7L)	2003	22	Valiant	170 CID (2.8L) OHV	1960-1969	25
	OM612LA Mercedes Benz Diesel			Valiant	198 CID (3.2L) OHV	1970-1973	25
Sprinter 3500	164 CID/2685CC (2.7L)	2004-2006	22	Valiant	225 CID (3.7L) OHV	1961-1973	35
	OM647LA Mercedes Benz Diesel			Valiant	273 CID (4.5L) OHV	1964-1969	47
St. Regis	225 CID (3.7L) OHV	1979	35	Valiant	318 CID (5.2L)	1968-1976	53
St. Regis	318 CID (5.2L)	1979	53	Valiant	360 CID (5.9L)	1975	60
St. Regis	360 CID (5.9L)	1979	60	Viper	488 CID (8.0L) Aluminum Block	1992-2002	65



CHRYSLER (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Vision	201 CID (3.3L)	1993-1997	29	Voyager PB200	360 CID (5.9L)	1974-1980	60
Vision	215 CID (3.5L) SOHC	1993-1997	30	Voyager PB200	400 CID (6.6L) OHV	1974-1978	59
Vista	92 CID (1.5L) SOHC Jet Valve	1989-1991	3	Voyager PB200	440 CID (7.2L) OHV	1974-1978	63
	"Q" Carbureted Mitsubishi			Voyager PB250	225 CID (3.7L) OHV	1981-1982	35
Vista	92 CID (1.5L) 12 Valve "Q"	1992	2	Voyager PB250	318 CID (5.2L)	1981-1982	53
	Mitsubishi			Voyager PB250	360 CID (5.9L)	1981-1982	60
Vista	98 CID (1.6L) DOHC Mitsubishi	1989-1990	4	Voyager PB300	225 CID (3.7L) OHV	1974-1980	35
Vista	122 CID (2.0L) SOHC "A"	1989-1992	10	Voyager PB300	318 CID (5.2L)	1974-1980	53
	Mitsubishi			Voyager PB300	360 CID (5.9L)	1974-1980	60
Vista	122 CID (2.0L) 4G63 DOHC	1989-1991	8	Voyager PB300	400 CID (6.6L) OHV	1974-1978	59
	Mitsubishi			Voyager PB300	440 CID (7.2L) OHV	1974-1978	63
Volare	225 CID (3.7L) OHV	1976-1980	35	Voyager PB350	318 CID (5.2L)	1981-1982	53
Volare	318 CID (5.2L)	1976-1980	53	Voyager PB350	360 CID (5.9L)	1981-1982	60
Volare	360 CID (5.9L)	1976-1980	60	W300M	230 CID (3.8L) L-Head Dodge	1958-1959	37
Voyager	135 CID (2.2L) SOHC	1984-1987	13	W500	225 CID (3.7L) OHV	1963-1967	35
Voyager	148 CID/2429CC (2.4L) DOHC	1996-2002	16	W500	251 CID (4.1L) L-Head Dodge	1961-1963	41
Voyager	153 CID (2.5L) SOHC	1987-1995	20	W500	265 CID (4.3L) L-Head Dodge	1957-1960	42
Voyager	153 CID (2.5L) SOHC	1989-1990	20	W500	318 CID (5.2L)	1958-1971	53
Voyager	156 CID (2.6L) SOHC "F"	1984-1987	11	WF Series	251 CID (4.1L) L-Head Dodge	1942-1947	41
	Mitsubishi			WG Series	251 CID (4.1L) L-Head Dodge	1942-1947	41
Voyager	181 CID (3.0L) SOHC Mitsubishi	1987-2000	26	WH Series	242 CID (4.0L) L-Head Dodge	1938-1941	33
Voyager	201 CID (3.3L)	1991-2000	29	WH Series	251 CID (4.1L) L-Head Dodge	1942-1947	41
Voyager	201 CID (3.3L)	1994-1996	29	WM300	230 CID (3.8L) L-Head Dodge	1960	37
Voyager	201 CID (3.3L) EGM	1998-2003	29	WM300	251 CID (4.1L) L-Head Dodge	1961-1968	41
Voyager	230 CID (3.8L)	1996-1999	29	Wayfarer	230 CID (3.8L) L-Head	1949-1952	37
Voyager PB100	225 CID (3.7L) OHV	1974-1980	35	Windsor	251 CID (4.1L) L-Head	1946-1952	33
Voyager PB100	318 CID (5.2L)	1974-1980	53	Windsor	265 CID (4.3L) L-Head	1951-1954	33
Voyager PB100	360 CID (5.9L)	1974-1980	60	Windsor	301 CID (4.9L)	1955	50
Voyager PB100	400 CID (6.6L) OHV	1974	59	Windsor	331 CID (5.4L) OHV	1956	50
Voyager PB150	225 CID (3.7L) OHV	1981-1982	35	Windsor	354 CID (5.8L) OHV	1956-1958	50
Voyager PB150	318 CID (5.2L)	1981-1982	53	Windsor	383 CID (6.3L) OHV	1959-1960	61
Voyager PB200	225 CID (3.7L) OHV	1974-1980	35				
Voyager PB200	318 CID (5.2L)	1974-1980	53				

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
31	3.386in./86mm	4	665679	4.500in./114.3mm	33	954408	4.375in./111.1mm	31	1554471	4.625in./117.5mm	37
72G	2.992in./76mm	26	665679	4.500in./114.3mm	41	954418	4.750in./120.7mm	38	1554471	4.375in./111.1mm	31
72W	2.992in./76mm	26	665679	4.250in./108mm	33	954418	4.250in./108mm	38	1554530	4.375in./111.1mm	34
218LW	3.622in./92mm	13	665679	4.063in./103.2mm	33	954418	4.500in./114.3mm	38	1554530	4.625in./117.5mm	34
699	3.313in./84.2mm	53	665679	4.750in./120.7mm	33	954418	4.500in./114.3mm	33	1554530	4.375in./111.1mm	32
699	3.313in./84.2mm	47	666743	4.625in./117.5mm	34	954418	4.500in./114.3mm	41	1554530	4.625in./117.5mm	37
699	3.313in./84.2mm	51	666743	4.625in./117.5mm	37	954418	4.250in./108mm	33	1554530	4.375in./111.1mm	31
782	3.313in./84.2mm	53	666746	4.750in./120.7mm	38	954418	4.063in./103.2mm	33	1618699	3.313in./84.2mm	53
782	3.313in./84.2mm	47	666746	4.250in./108mm	38	954418	4.750in./120.7mm	33	1618699	3.375in./85.7mm	59
782	3.313in./84.2mm	51	666746	4.500in./114.3mm	38	954428	4.750in./120.7mm	38	1618699	3.313in./84.2mm	47
9300	4.375in./111.1mm	34	666746	4.500in./114.3mm	33	954428	4.250in./108mm	38	1618699	3.313in./84.2mm	51
9300	4.375in./111.1mm	32	666746	4.500in./114.3mm	41	954428	4.500in./114.3mm	38	1618699	3.313in./84.2mm	54
9300	4.375in./111.1mm	31	666746	4.250in./108mm	33	954428	4.500in./114.3mm	33	1630398	3.800in./96.5mm	52
9410	4.375in./111.1mm	34	666746	4.063in./103.2mm	33	954428	4.500in./114.3mm	41	1673758	3.906in./99.2mm	62
9410	4.625in./117.5mm	34	666746	4.750in./120.7mm	33	954428	4.250in./108mm	33	1737692	3.375in./85.7mm	59
9410	4.375in./111.1mm	32	868896	4.375in./111.1mm	34	954428	4.063in./103.2mm	33	1821345	3.625in./92.1mm	50
9410	4.625in./117.5mm	37	868896	4.625in./117.5mm	34	954428	4.750in./120.7mm	33	1821345	3.800in./96.5mm	52
9410	4.375in./111.1mm	31	868896	4.375in./111.1mm	32	954448	4.250in./108mm	38	1851535	3.375in./85.7mm	59
9414	4.625in./117.5mm	34	868896	4.625in./117.5mm	37	954448	4.250in./108mm	33	1851535	3.750in./95.3mm	63
9414	4.625in./117.5mm	37	868896	4.375in./111.1mm	31	954448	4.063in./103.2mm	33	1851535	3.625in./92.1mm	50
15134N	3.125in./79.4mm	25	952118	4.375in./111.1mm	34	1324222	3.625in./92.1mm	50	1851535	3.750in./95.3mm	61
15134N	4.125in./104.8mm	35	952118	4.625in./117.5mm	34	1328783	3.250in./82.6mm	46	1851535	3.750in./95.3mm	64
15140	3.125in./79.4mm	25	952118	4.375in./111.1mm	32	1400244	4.750in./120.7mm	38	1947167	3.125in./79.4mm	25
15140	4.125in./104.8mm	35	952118	4.625in./117.5mm	37	1400244	4.250in./108mm	38	1947167	4.125in./104.8mm	35
59554	5.000in./127mm	43	952118	4.375in./111.1mm	31	1400244	4.500in./114.3mm	38	1947952	3.125in./79.4mm	25
617925	4.375in./111.1mm	34	954371	4.375in./111.1mm	34	1400244	4.500in./114.3mm	33	1947952	4.125in./104.8mm	35
617925	4.625in./117.5mm	34	954371	4.625in./117.5mm	34	1400244	4.500in./114.3mm	41	2205554	3.125in./79.4mm	25
617925	4.375in./111.1mm	32	954371	4.625in./117.5mm	37	1400244	4.250in./108mm	33	2205554	4.125in./104.8mm	35
617925	4.625in./117.5mm	37	954371	4.375in./111.1mm	31	1400244	4.063in./103.2mm	33	2406395	3.750in./95.3mm	63
617925	4.375in./111.1mm	31	954408	4.375in./111.1mm	34	1400244	4.750in./120.7mm	33	2406395	3.375in./85.7mm	59
665679	4.750in./120.7mm	38	954408	4.625in./117.5mm	34	1554471	4.375in./111.1mm	34	2406395	3.750in./95.3mm	61
665679	4.250in./108mm	38	954408	4.375in./111.1mm	32	1554471	4.625in./117.5mm	34	2406395	3.750in./95.3mm	64
665679	4.500in./114.3mm	38	954408	4.625in./117.5mm	37	1554471	4.375in./111.1mm	32	2406782	3.313in./84.2mm	53



CHRYSLER (Cont.)

CONNECTING ROD FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
2406782	3.375in./85.7mm	59	2406886	3.750in./95.3mm	64	2951908	3.750in./95.3mm	61	4448903	3.189in./81mm	29
2406782	3.313in./84.2mm	47	2468000	3.750in./95.3mm	64	3418645	3.313in./84.2mm	53	5203385	3.622in./92mm	13
2406782	3.313in./84.2mm	51	2899496	3.313in./84.2mm	57	3418645	3.313in./84.2mm	57	31337180JGSB	5.000in./127mm	43
2406782	3.313in./84.2mm	54	2951260	3.125in./79.4mm	25	3418645	3.313in./84.2mm	54	31337310	5.000in./127mm	43
2406886	3.750in./95.3mm	63	2951260	4.125in./104.8mm	35	3751142N	4.125in./104.8mm	35	D	3.386in./86mm	4
2406886	3.375in./85.7mm	59	2951908	3.375in./85.7mm	59	3901085	4.724in./120mm	44	F	3.386in./86mm	4
2406886	3.750in./95.3mm	61	2951908	3.750in./95.3mm	63	3901566	4.724in./120mm	44	S	3.386in./86mm	4

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1.9	2.992in./76mm	26	59-PK	3.622in./92mm	13	864719	4.375in./111.1mm	34	1732557	3.125in./79.4mm	47
1.9	3.386in./86mm	6	63-GC	3.465in./88mm	8	864719	4.375in./111.1mm	32	1732557	3.313in./84.2mm	47
2NABC	3.386in./86mm	6	63-GC	3.622in./92mm	13	864719	4.375in./111.1mm	31	1732557	3.313in./84.2mm	51
2Y68-76	3.386in./86mm	6	63GC	3.465in./88mm	8	868929	4.625in./117.5mm	34	1732559	3.313in./84.2mm	53
3A	3.622in./92mm	13	63GC	3.622in./92mm	13	868929	4.625in./117.5mm	37	1732559	3.313in./84.2mm	47
3AC	3.622in./92mm	13	63GU	3.465in./88mm	8	870715	4.250in./108mm	38	1732559	3.313in./84.2mm	51
3AH	3.622in./92mm	13	63GU	3.622in./92mm	13	870715	4.500in./114.3mm	38	1732610	3.313in./84.2mm	53
3B	3.622in./92mm	13	65-RU	3.465in./88mm	8	870715	4.500in./114.3mm	33	1732610	3.313in./84.2mm	47
3E	3.622in./92mm	13	65-RU	3.622in./92mm	13	870715	4.500in./114.3mm	41	1732610	3.313in./84.2mm	51
3H	3.622in./92mm	13	69-GU	3.465in./88mm	8	870715	4.250in./108mm	33	1736044	3.800in./96.5mm	52
003K	2.992in./76mm	26	69-GU	3.622in./92mm	13	870744	4.500in./114.3mm	38	1737641	3.375in./85.7mm	59
003K	3.386in./86mm	6	96TM-AA	2.992in./76mm	26	870744	4.500in./114.3mm	33	1737642	3.375in./85.7mm	59
3KC	3.622in./92mm	13	96TM-AA	3.189in./81mm	30	870744	4.500in./114.3mm	41	1737642	3.750in./95.3mm	64
003N	2.992in./76mm	26	97TM-	2.992in./76mm	26	952068	4.375in./111.1mm	34	1737642	3.750in./95.3mm	62
003N	3.386in./86mm	6	97TM-	3.189in./81mm	30	952068	4.375in./111.1mm	32	1739538	3.800in./96.5mm	52
3SF	3.622in./92mm	13	407N	3.937in./100mm	8	952068	4.375in./111.1mm	31	1739589	4.625in./117.5mm	34
3YA	3.937in./100mm	8	1174N	2.992in./76mm	26	1185539	4.625in./117.5mm	34	1739589	4.625in./117.5mm	37
4A	3.937in./100mm	8	1174N	3.386in./86mm	6	1185539	4.625in./117.5mm	37	1821436	3.750in./95.3mm	63
4AC	3.937in./100mm	8	3281N	3.386in./86mm	6	1316540	4.375in./111.1mm	34	1821436	3.375in./85.7mm	59
4AL	3.937in./100mm	8	3294	3.750in./95.3mm	63	1316540	4.375in./111.1mm	32	1821436	3.750in./95.3mm	61
4G1	2.953in./75mm	4	3294	3.375in./85.7mm	59	1316540	4.375in./111.1mm	31	1826123	3.313in./84.2mm	53
4G1	3.386in./86mm	6	3294	3.750in./95.3mm	61	1335001	3.625in./92.1mm	50	1826123	3.313in./84.2mm	47
4G1	3.268in./83mm	9	3654	3.189in./81mm	29	1400188	4.750in./120.7mm	38	1826123	3.313in./84.2mm	51
4G61	2.953in./75mm	4	4196N	3.937in./100mm	8	1400188	4.750in./120.7mm	33	1826129	3.313in./84.2mm	53
4G61	3.386in./86mm	6	020201A1	2.992in./76mm	26	1400718	4.750in./120.7mm	38	1826129	3.313in./84.2mm	47
4G61	3.268in./83mm	9	020201A1	3.386in./86mm	6	1400718	4.750in./120.7mm	33	1826129	3.313in./84.2mm	51
4G-3	2.953in./75mm	4	329880N	3.386in./86mm	6	1402538	3.250in./82.6mm	46	1830276	3.313in./84.2mm	53
4G-3	3.386in./86mm	6	620035	4.375in./111.1mm	34	1402625	3.250in./82.6mm	46	1830276	3.313in./84.2mm	47
4G-3	3.268in./83mm	9	620035	4.375in./111.1mm	32	1409421	3.625in./92.1mm	50	1830276	3.313in./84.2mm	51
4K05	2.953in./75mm	4	620035	4.375in./111.1mm	31	1419421	3.625in./92.1mm	50	1851436	3.750in./95.3mm	63
4K05	3.386in./86mm	6	665792	4.250in./108mm	38	1483338	3.250in./82.6mm	46	1851436	3.750in./95.3mm	59
4K05	3.268in./83mm	9	665792	4.500in./114.3mm	38	1491421	3.625in./92.1mm	50	1851436	3.750in./95.3mm	61
4K	2.953in./75mm	4	665792	4.500in./114.3mm	33	1523335	3.625in./92.1mm	50	1851527	3.375in./85.7mm	59
4K	3.386in./86mm	6	665792	4.500in./114.3mm	41	1557708	4.625in./117.5mm	34	1851527	3.750in./95.3mm	63
4K	3.268in./83mm	9	665792	4.250in./108mm	33	1557708	4.625in./117.5mm	37	1851527	3.750in./95.3mm	61
4XC1-U	2.953in./75mm	4	666739	4.500in./114.3mm	38	1617184	3.625in./92.1mm	50	1851527	3.750in./95.3mm	64
4XC1-U	3.386in./86mm	6	666739	4.500in./114.3mm	33	1619647	3.625in./92.1mm	50	1855127	3.750in./95.3mm	63
4XC1-U	3.268in./83mm	9	666739	4.500in./114.3mm	41	1626123	3.313in./84.2mm	53	1855127	3.375in./85.7mm	59
4XC1U	2.953in./75mm	4	666739	4.063in./103.2mm	33	1626123	3.313in./84.2mm	47	1855127	3.750in./95.3mm	61
4XC1U	3.386in./86mm	6	673498	4.500in./114.3mm	38	1626123	3.313in./84.2mm	51	1855127	3.750in./95.3mm	64
4XC1U	3.268in./83mm	9	673498	4.500in./114.3mm	33	1630270	3.313in./84.2mm	53	1932610	3.250in./82.6mm	46
5A	3.622in./92mm	13	673498	4.500in./114.3mm	41	1630270	3.313in./84.2mm	47	1978698	3.750in./95.3mm	63
5AK	3.622in./92mm	13	762706	4.500in./114.3mm	38	1630270	3.313in./84.2mm	51	1978698	3.375in./85.7mm	59
5G9-37	3.622in./92mm	13	762706	4.500in./114.3mm	33	1630276	3.313in./84.2mm	53	1978698	3.750in./95.3mm	61
6AM	3.465in./88mm	8	762706	4.500in./114.3mm	41	1630276	3.313in./84.2mm	47	2006157	3.750in./95.3mm	64
6AM	3.622in./92mm	13	856080	4.375in./111.1mm	34	1630276	3.313in./84.2mm	51	2121654	3.125in./79.4mm	25
09N	2.992in./76mm	26	856080	4.375in./111.1mm	32	1630432	3.800in./96.5mm	52	2128278	3.313in./84.2mm	53
09N	3.386in./86mm	6	856080	4.375in./111.1mm	31	1630937	3.125in./79.4mm	47	2128278	3.313in./84.2mm	47
10-B	2.992in./76mm	26	863706	4.500in./114.3mm	38	1632077	3.125in./79.4mm	47	2128278	3.313in./84.2mm	51
10-B	3.386in./86mm	6	863706	4.500in./114.3mm	33	1635690	3.625in./92.1mm	50	2128492	4.125in./104.8mm	35
11M	2.992in./76mm	26	863706	4.500in./114.3mm	41	1635690	3.800in./96.5mm	52	2128869	3.313in./84.2mm	53
11M	3.386in./86mm	6	864718	4.625in./117.5mm	34	1650270	3.313in./84.2mm	53	2128869	3.313in./84.2mm	47
19N	2.992in./76mm	26	864718	4.250in./108mm	38	1650270	3.313in./84.2mm	47	2128869	3.313in./84.2mm	51
30R	3.386in./86mm	6	864718	4.500in./114.3mm	38	1650270	3.313in./84.2mm	51	2203155	3.375in./85.7mm	59
31-87	3.386in./86mm	6	864718	4.500in./114.3mm	33	1671108	3.250in./82.6mm	46	2203157	3.375in./85.7mm	59
31M	3.386in./86mm	6	864718	4.500in./114.3mm	41	1673755	3.906in./99.2mm	62	2205554	4.125in./104.8mm	35
40F	3.937in./100mm	8	864718	4.625in./117.5mm	37	1731658	3.250in./82.6mm	46	2205700	3.313in./84.2mm	53
45-T	3.937in./100mm	8	864718	4.250in./108mm	33	1732557	3.313in./84.2mm	53	2205700	3.313in./84.2mm	47



CHRYSLER (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
2205700	3.313in./84.2mm	51	2465747	3.313in./84.2mm	47	3418995	3.578in./90.8mm	60	5214738	3.622in./92mm	13
2205700	3.313in./84.2mm	57	2465747	3.313in./84.2mm	51	3462387	3.313in./84.2mm	53	7501366	4.125in./104.8mm	35
2205702	3.313in./84.2mm	53	2482923	3.375in./85.7mm	59	3462387	3.313in./84.2mm	57	8698461	3.750in./95.3mm	63
2205702	3.313in./84.2mm	47	2532457	3.313in./84.2mm	53	3462387	3.313in./84.2mm	54	8698461	3.375in./85.7mm	59
2205702	3.313in./84.2mm	51	2532457	3.313in./84.2mm	57	3462923	3.375in./85.7mm	59	8698461	3.750in./95.3mm	61
2205702	3.313in./84.2mm	57	2532457	3.313in./84.2mm	54	3482387	3.313in./84.2mm	53	8698461	3.750in./95.3mm	64
2206157	3.375in./85.7mm	59	2543935	4.125in./104.8mm	35	3482387	3.313in./84.2mm	47	31322302	5.000in./127mm	43
2206157	3.750in./95.3mm	63	2558393	3.313in./84.2mm	53	3482387	3.313in./84.2mm	51	A1D	2.992in./76mm	26
2206157	3.750in./95.3mm	61	2558393	3.313in./84.2mm	54	3482387	3.313in./84.2mm	54	A1D	3.189in./81mm	30
2206158	3.750in./85.7mm	63	2656278	3.313in./84.2mm	53	3698641	3.750in./95.3mm	63	A301	2.992in./76mm	26
2206158	3.375in./85.7mm	59	2656278	3.313in./84.2mm	54	3698641	3.375in./85.7mm	59	A301	3.189in./81mm	30
2206158	3.750in./95.3mm	61	2658268	3.313in./84.2mm	53	3698641	3.750in./95.3mm	61	A-6303	2.992in./76mm	26
2206158	3.750in./95.3mm	64	2658268	3.313in./84.2mm	47	3698966	4.125in./104.8mm	35	A-6303	3.189in./81mm	30
2206159	3.375in./85.7mm	59	2658268	3.313in./84.2mm	51	3751841	3.313in./84.2mm	53	A-6303-A	2.992in./76mm	26
2206160	3.750in./95.3mm	63	2658278	3.313in./84.2mm	53	3751841	3.313in./84.2mm	47	A-6303-A	3.189in./81mm	30
2206160	3.375in./85.7mm	59	2658278	3.313in./84.2mm	47	3751841	3.313in./84.2mm	51	AD	2.992in./76mm	26
2206160	3.750in./95.3mm	61	2658278	3.313in./84.2mm	51	3751841	3.313in./84.2mm	54	AD	3.189in./81mm	30
2206160	3.750in./95.3mm	64	2658393	3.313in./84.2mm	53	3751877	3.375in./85.7mm	59	AY	2.992in./76mm	26
2258393	3.313in./84.2mm	53	2658393	3.313in./84.2mm	54	3751888	3.750in./95.3mm	63	AY	3.189in./81mm	30
2258393	3.313in./84.2mm	47	2658998	4.125in./104.8mm	35	3751888	3.375in./85.7mm	59	B301	2.992in./76mm	26
2258393	3.313in./84.2mm	51	2780513	3.750in./95.3mm	64	3751888	3.750in./95.3mm	61	B301	3.189in./81mm	30
2258613	4.125in./104.8mm	35	2780533	3.750in./95.3mm	64	3751888-5	3.750in./95.3mm	63	G1	3.228in./82mm	1
2263611	3.125in./79.4mm	25	2843868	3.313in./84.2mm	53	3751888-5	3.375in./85.7mm	59	G1	3.228in./82mm	3
2264182	3.313in./84.2mm	53	2843868	3.313in./84.2mm	47	3751888-5	3.750in./95.3mm	61	G52	3.543in./90mm	11
2264182	3.313in./84.2mm	47	2843868	3.313in./84.2mm	51	3769307	4.125in./104.8mm	35	G52	3.858in./98mm	11
2264182	3.313in./84.2mm	51	2843935	4.125in./104.8mm	35	3907804	4.724in./120mm	44	G52	3.858in./98mm	21
2264478	3.125in./79.4mm	25	2843939	3.125in./79.4mm	25	4027169	3.578in./90.8mm	60	G54	3.543in./90mm	11
2264478	4.125in./104.8mm	35	2843963	4.125in./104.8mm	35	4027172	3.375in./85.7mm	59	G54	3.858in./98mm	11
2264479	4.125in./104.8mm	35	3132302	5.000in./127mm	43	4027175	3.750in./95.3mm	63	G54	3.858in./98mm	21
2268613	4.125in./104.8mm	35	3239611	3.190in./81.03mm	18	4027175	3.375in./85.7mm	59	GE	3.465in./88mm	8
2463548	3.750in./95.3mm	64	3418640	3.578in./90.8mm	60	4027175	3.750in./95.3mm	61	T3A	2.992in./76mm	26
2465747	3.313in./84.2mm	53	3418840-2	3.578in./90.8mm	60	4095246	4.125in./104.8mm	35			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	86 CID (1.4L) SOHC "J" Mitsubishi 4 Cyl (1979-1984)						2.913in./74mm x 3.228in./82mm	1

Rod Bearing(4)	AL-3	CB-1278AL	STD.,.25mm,.50mm,.75mm	1.6527/1.6535	0.0011/0.0035	0.0588	1.7717/1.7725	0.6940

Main Bearing Set 1-2-4-5 3	TM-1	MS-1668P MB-3049P MB-3050P(F)	STD.,.25mm,.50mm	1.8890/1.8898 1.8890/1.8898	0.0011/0.0034 0.0011/0.0034	0.0783 0.0793	2.0472/2.0480 2.0472/2.0480	0.7520 0.9430

NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,Partial Grooved Main Bearings

Main Bearing Set 1-2-4-5 3	TM-1	MS-2075P-.25mm MB-3049P MB-3571P(F)		1.8890/1.8898 1.8890/1.8898	0.0011/0.0034 0.0011/0.0034	0.0783 0.0783	2.0472/2.0480 2.0472/2.0480	0.7520 0.9430

NOTE: All Sizes Contain Standard Length Flanged Bearing,Partial Grooved Main Bearings

C/S Forging G1

Connecting Rod 24 To 25 Lbs.Ft.
Main Bearing 37 To 39 Lbs.Ft.

2	92 CID (1.5L) 12 Valve "Q" Mitsubishi 4 Cyl (1991-1996)						2.972in./75.5mm x 3.228in./82mm	2

Rod Bearing(4)	AL-3	CB-1588AL	STD.,.25mm,.50mm	1.6527/1.6535	0.0011/0.0035	0.0588	1.7717/1.7725	0.6100

Main Bearing Set 1-2-4-5 3	TM-1	MS-1668P MB-3049P MB-3050P(F)	STD.,.25mm,.50mm	1.8890/1.8898 1.8890/1.8898	0.0011/0.0034 0.0011/0.0034	0.0783 0.0793	2.0472/2.0480 2.0472/2.0480	0.7520 0.9430

NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,Partial Grooved Main Bearings

Main Bearing Set 1-2-4-5 3	TM-1	MS-2075P-.25mm MB-3049P MB-3571P(F)		1.8890/1.8898 1.8890/1.8898	0.0011/0.0034 0.0011/0.0034	0.0783 0.0783	2.0472/2.0480 2.0472/2.0480	0.7520 0.9430

NOTE: All Sizes Contain Standard Length Flanged Bearing,Partial Grooved Main Bearings

Connecting Rod 24 To 25 Lbs.Ft.
Main Bearing 37 To 39 Lbs.Ft.



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
3	92 CID (1.5L) SOHC 8 Valve "Q" Fuel Injected Mitsubishi 4 Cyl (1987-1990) 92 CID (1.5L) SOHC Jet Valve "Q" Carbureted Mitsubishi 4 Cyl (1985-1991)				2.972in./75.5mm x 3.228in./82mm 2.972in./75.5mm x 3.228in./82mm			3
Rod Bearing(4) NOTE: Thru 8/88	AL-3	CB-1278AL	STD,.25mm,.50mm,.75mm	1.6527/1.6535	0.0011/0.0035	0.0588	1.7717/1.7725	0.6940
Rod Bearing(4) NOTE: From 8/88	AL-3	CB-1588AL	STD,.25mm,.50mm	1.6527/1.6535	0.0011/0.0035	0.0588	1.7717/1.7725	0.6100
Main Bearing Set 1-2-4-5 3 NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,Partial Grooved Main Bearings	TM-1	MS-1668P MB-3049P MB-3050P(F)	STD,.25mm,.50mm	1.8890/1.8898 1.8890/1.8898	0.0011/0.0034 0.0011/0.0034	0.0783 0.0793	2.0472/2.0480 2.0472/2.0480	0.7520 0.9430
Main Bearing Set 1-2-4-5 3 NOTE: All Sizes Contain Standard Length Flanged Bearing,Partial Grooved Main Bearings	TM-1	MS-2075P-.25mm MB-3049P MB-3571P(F)		1.8890/1.8898 1.8890/1.8898	0.0011/0.0034 0.0011/0.0034	0.0783 0.0783	2.0472/2.0480 2.0472/2.0480	0.7520 0.9430
C/S Forging G1								
Connecting Rod 24 To 25 Lbs.Ft. Main Bearing 37 To 39 Lbs.Ft.								
4	98 CID (1.6L) DOHC Mitsubishi 4 Cyl (1989-1990) 98 CID (1.6L) DOHC Mitsubishi Turbocharged 4 Cyl (1989) 98 CID (1.6L) SOHC Mitsubishi 4 Cyl (1984) 98 CID (1.6L) SOHC K & Z Mitsubishi 4 Cyl (1971-1984) 98 CID (1.6L) SOHC K & Z Mitsubishi Turbocharged 4 Cyl (1984-1990)				3.240in./82.3mm x 2.953in./75mm 3.240in./82.3mm x 2.953in./75mm 3.028in./76.9mm x 3.386in./86mm 3.028in./76.9mm x 3.386in./86mm 3.028in./76.9mm x 3.386in./86mm			4
Rod Bearing(4)	AL-3	CB-1120AL	STD,.25mm,.50mm,.75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250
Main Bearing Set 1-2-4-5 3 NOTE: All Sizes Contain Standard Length Flanged Bearing	TM-1	MS-2076P MB-2869P MB-3572P(F)	STD,.25mm,.50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.9060 1.1400
Balance Shaft Bearing Set RH; Front RH; LH Rear	AL-3	SH-1465S SH-1465 SH-1466	STD	1.5344 1.4164	0.0008/0.0030 0.0017/0.0039	0.0593 0.0589	1.6545 1.5364	0.7580 0.6300
Rod Forging D, F, S, 31 C/S Forging 4K, 4G1, 4G-3, 4G61, 4K05, 4XCIU, 4XC1-U								
Connecting Rod 23 To 25 Lbs.Ft. Main Bearing 36 To 39 Lbs.Ft.								
5	105 CID (1.7L) SOHC Volkswagen 4 Cyl (1978-1983)				3.130in./79.5mm x 3.386in./86mm			5
Rod Bearing(4)	TM-77	CB-1017P	STD,.25mm,.50mm,.75mm	1.8087/1.8094	0.0016/0.0040	0.0593	1.9291/1.9298	0.7480
Main Bearing Set 1-2-4-5 3 NOTE: Engines Requiring Full Annular Oil Groove In The Number 4 Position, Undersize Sets Contain .10mm Oversize Length Flanged Bearing	AL-3	MS-1659P MB-692AL MB-693AL(F)	STD,.25mm,.50mm	2.1236/2.1244 2.1236/2.1244	0.0016/0.0041 0.0016/0.0041	0.0985 0.0985	2.3228/2.3236 2.3228/2.3236	0.7280 0.9820
Main Bearing Set 1-2-4-5 3 NOTE: Engines Requiring Full Annular Oil Groove In The Number 4 Position, All Sizes Contain Standard Length Flanged Bearing	AL-3	MS-2070P-.25mm MB-692AL MB-3567P(F)		2.1236/2.1244 2.1236/2.1244	0.0016/0.0041 0.0016/0.0041	0.0985 0.0985	2.3228/2.3236 2.3228/2.3236	0.7280 0.9820
Aux. Shaft Bearing Set 1 2	B-1	SH-1209S SH-1209 SH-1210	STD	1.6913/1.6919 1.6519/1.6525	0.0011/0.0039 0.0011/0.0033	0.0590 0.0590	1.8110/1.8120 1.7716/1.7726	0.5900 0.5900
6	107 CID (1.8L) 8 Valve (4G37) Mitsubishi 4 Cyl (1989-1992)				3.173in./80.6mm x 3.386in./86mm			6
Rod Bearing(4)	AL-6	CB-1120AL	STD,.25mm,.50mm,.75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250
Main Bearing Set 1-2-4-5 3 NOTE: All Sizes Contain Standard Length Flanged Bearing	TM-1	MS-2076P MB-2869P MB-3572P(F)	STD,.25mm,.50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.9060 1.1400
C/S Forging 4K, 09N, 1.9, 11M, 30R, 31M, 4G1, 003K, 003N, 10-B, 4G-3, 4G61, 4K05, 1174N, 2NABC, 31-87, 3281N, 4XCIU, 4XC1-U, 2Y68-76, 329880N, 020201A1								



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
6 (Cont.)	107 CID (1.8L) 8 Valve (4G37) Mitsubishi 4 Cyl (1989-1992)				3.173in./80.6mm x 3.386in./86mm			6 (Cont.)
Connecting Rod	23 To 25 Lbs.Ft.							
Main Bearing	36 To 39 Lbs.Ft.							
7	112 CID (1.8L) 16 Valve (4G93) Mitsubishi 4 Cyl (1992-1996)				3.189in./81mm x 3.504in./89mm			7
Rod Bearing(4)	AL-3	CB-1782AL	STD.,.25mm,.50mm	1.7709/1.7717	0.0008/0.0034	0.0588	1.8896/1.8904	0.6614
Main Bearing Set 1-2-3-4-5	AL-3	MS-2213AL MB-3767AL	STD.,.25mm,.50mm	1.9679/1.9685	0.0008/0.0031	0.0785	2.1260/2.1267	0.7531
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-605S								
Thrust Washer Set		TW-605S MB-3763W	STD	2.2047/2.2146			2.9665/2.9764	0.0778
NOTE: Contains 2 Pieces, Position Number 1, Use With Part Number MS-2213AL								
8	122 CID (2.0L) 4G63 DOHC Mitsubishi 4 Cyl (1989-1994) 122 CID (2.0L) 4G63T DOHC TURBO Mitsubishi Turbocharged 4 Cyl (1990-1998) 144 CID (2.4L) 4G64 SOHC 8 Valve Mitsubishi 4 Cyl (1990-1993)				3.346in./85mm x 3.465in./88mm 3.346in./85mm x 3.465in./88mm 3.405in./86.5mm x 3.937in./100mm			8
Rod Bearing(4)	AL-6	CB-1120AL	STD.,.25mm,.50mm,.75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250
NOTE: Thru 3/92								
Rod Bearing(4)	TM-77	CB-1643P	STD.,.25mm,.50mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.8010
NOTE: From 4/92								
Main Bearing Set 1-2-4-5	TM-1	MS-2039P MB-3504P	STD.,.25mm,.50mm	2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	0.8050
3		MB-3505P(F)		2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	1.0040
NOTE: From 4/92, All Sizes Contain Standard Length Flanged Bearing								
Main Bearing Set 1-2-4-5	TM-1	MS-2076P MB-2869P	STD.,.25mm,.50mm	2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	0.9060
3		MB-3572P(F)		2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	1.1400
NOTE: Thru 3/92, All Sizes Contain Standard Length Flanged Bearing								
Balance Shaft Bearing Set	AL-3	SH-1469S	STD					
LH; Rear		SH-1468		1.6129	0.0010/0.0031	0.0589	1.7333	0.8268
RH; Front		SH-1467		1.6526	0.0010/0.0031	0.0593	1.7726	0.7480
RH; Rear		SH-1469		1.6129	0.0010/0.0031	0.0589	1.7333	0.8268
C/S Forging 4A, GE, 3YA, 40F, 4AC, 4AL, 6AM, 407N, 45-T, 63GC, 63GU, 4196N, 63-GC, 65-RU, 69-GU								
Connecting Rod	23 To 25 Lbs.Ft.							
Main Bearing	36 To 39 Lbs.Ft.							
9	122 CID (2.0L) DOHC 4 Cyl (1995-1999) 122 CID (2.0L) SOHC 4 Cyl (1995-2003)				3.445in./87.5mm x 3.268in./83mm 3.445in./87.5mm x 3.268in./83mm			9
Rod Bearing(4)	TM-77	CB-1635P	STD.,.25mm,.50mm	1.8894/1.8900	0.0010/0.0023	0.0584	2.0075/2.0081	0.8060
Rod Bearing(4)	TM-77	CB-1788P-.25mm	.50mm	1.8894/1.8900	0.0006/0.0028	0.0594	2.0095/2.0101	0.8060
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	TM-77	MS-2028P MB-4001P	STD.,.25mm,.50mm	2.0469/2.0475	0.0008/0.0024	0.0782	2.2046/2.2050	0.7860
3		MB-4000P(F)		2.0469/2.0475	0.0008/0.0024	0.0784	2.2046/2.2050	1.0340
NOTE: Bearing Caps May Require Notching, Grooved Upper Halves Plain Lower Halves								
Main Bearing Set 1-2-4-5	TM-77	MS-2257P MB-4001P	STD.,.25mm,.50mm	2.0469/2.0475	0.0008/0.0024	0.0782	2.2046/2.2050	0.7860
3		MB-4000P(F)		2.0469/2.0475	0.0008/0.0024	0.0784	2.2046/2.2050	1.0340
NOTE: Bearing Caps May Require Notching, Full Grooved Main Bearings								
C/S Forging 4K, 4G1, 4G-3, 4G61, 4K05, 4XC1U, 4XC1-U								
Connecting Rod	20 Lbs.Ft. Plus 90 Degrees							
10	122 CID (2.0L) SOHC "A" Mitsubishi 4 Cyl (1983-1992)				3.346in./85mm x 3.465in./88mm			10
Rod Bearing(4)	AL-6	CB-1120AL	STD.,.25mm,.50mm,.75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250
NOTE: Thru 3/92								
Rod Bearing(4)	TM-77	CB-1643P	STD.,.25mm,.50mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.8010
NOTE: From 4/92								
Main Bearing Set 1-2-4-5	TM-1	MS-2039P MB-3504P	STD.,.25mm,.50mm	2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	0.8050
3		MB-3505P(F)		2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	1.0040
NOTE: From 4/92, All Sizes Contain Standard Length Flanged Bearing								



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
10 (Cont.)	122 CID (2.0L) SOHC "A" Mitsubishi 4 Cyl (1983-1992)			3.346in./85mm x 3.465in./88mm				10 (Cont.)
Main Bearing Set 1-2-4-5 3	TM-1	MS-2076P MB-2869P MB-3572P(F)	STD, .25mm, .50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.9060 1.1400
NOTE: Thru 3/92, All Sizes Contain Standard Length Flanged Bearing								
Balance Shaft Bearing Set RH; Front RH; LH Rear NOTE: Thru 7/85	AL-3	SH-1467S SH-1467 SH-1468	STD	1.6526 1.6129	0.0010/0.0031 0.0010/0.0031	0.0593 0.0589	1.7726 1.7333	0.7480 0.8268
Balance Shaft Bearing Set LH; Rear RH; Front RH; Rear NOTE: From 8/85	AL-3	SH-1469S SH-1468 SH-1467 SH-1469	STD	1.6129 1.6526 1.6129	0.0010/0.0031 0.0010/0.0031 0.0010/0.0031	0.0589 0.0593 0.0589	1.7333 1.7726 1.7333	0.8268 0.7480 0.8268
Connecting Rod Main Bearing	23 To 25 Lbs.Ft. 36 To 39 Lbs.Ft.							
11	122 CID/1997CC (2.0L) SOHC "U" Mitsubishi 4 Cyl (1974-1982) 156 CID (2.6L) SOHC "F" Mitsubishi 4 Cyl (1978-1987)			3.307in./84mm x 3.543in./90mm 3.587in./91.1mm x 3.858in./98mm				11
Rod Bearing(4)	AL-3	CB-1220P	STD, .25mm, .50mm, .75mm, 1.00mm	2.0858/2.0866	0.0005/0.0028	0.0590	2.2047/2.2055	0.9840
Main Bearing Set 1-2-4-5 3	TM-1	MS-1430P MB-2751P MB-2752P(F)	STD, .50mm, .75mm	2.5976/2.5984 2.5976/2.5984	0.0010/0.0037 0.0010/0.0037	0.0782 0.0782	2.7559/2.7567 2.7559/2.7567	0.9840 1.2190
NOTE: Thru 7/78, .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing, .75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing								
Main Bearing Set 1-2-4-5 3	AL-3	MS-1945AL MB-3053AL MB-3339AL(F)	STD, .25mm, .50mm, .75mm	2.3614/2.3622 2.3614/2.3622	0.0011/0.0037 0.0011/0.0037	0.0783 0.0783	2.5197/2.5205 2.5197/2.5205	0.9890 1.2190
NOTE: From 8/78, All Sizes Contain Standard Length Flanged Bearing								
Aux. Shaft Bearing Set Left Front Left/Right Rear NOTE: Left Front Bushing Only Available In Std Size Even In Undersize Set Due To Small Shaft Diameter, Requires Boring The Left Front Balance Shaft Housing To 1.0236"/1.0244" Outside Diameter	AL-3	SH-1429S SH-1760 SH-1429	STD, .25mm	0.9039/0.9047 1.6933/1.6939	0.0008/0.0034 0.0013/0.0037	0.0593 0.0585	1.0236/1.0244 1.8122/1.8130	0.7090 0.7950
C/S Forging	G52, G54							
Connecting Rod Main Bearing	33 To 34 Lbs.Ft. 55 To 61 Lbs.Ft.							
12	132 CID (2.2L) J7T Renault 4 Cyl (1988-1989)			3.465in./88mm x 3.504in./89mm				12
Rod Bearing(4)	AL-3	CB-1311AL	STD, .25mm	2.2152/2.2160	0.0017/0.0043	0.0725	2.3622/2.3630	0.8170
Main Bearing Set 1-2-3-4-5	AL-3	MS-1604AL MB-2948AL	STD, .25mm	2.4753/2.4761	0.0005/0.0031	0.0742	2.6247/2.6255	0.9250
Connecting Rod Main Bearing	46 Lbs.Ft. 69 Lbs.Ft.							
13	135 CID (2.2L) DOHC Turbocharged 4 Cyl (1991-1993) 135 CID (2.2L) DOHC Maserati Turbocharged 4 Cyl (1989-1990) 135 CID (2.2L) SOHC 4 Cyl (1981-1994) 135 CID (2.2L) SOHC Turbocharged 4 Cyl (1984-1990)			3.445in./87.5mm x 3.622in./92mm 3.445in./87.5mm x 3.622in./92mm 3.445in./87.5mm x 3.622in./92mm 3.445in./87.5mm x 3.622in./92mm				13
Rod Bearing(4)	TM-77	CB-1269P	STD, .026mm, .25mm, .50mm, .75mm, 1.00mm	1.9677/1.9687	0.0008/0.0034	0.0584	2.0863/2.0869	0.7930
Main Bearing Set 1-2-4-5 3	TM-77	MS-1533P MB-2863P MB-2864P(F)	STD, .026mm, .25mm, .50mm, .75mm	2.3617/2.3627 2.3617/2.3627	0.0008/0.0033 0.0008/0.0033	0.0781 0.0781	2.5194/2.5202 2.5194/2.5202	0.8510 1.0970
Aux. Shaft Bearing Set Front Rear	AL-3	SH-1326S SH-1326 SH-1256	STD	1.6799/1.6809 0.7744/0.7753	0.0013/0.0031 0.0013/0.0031	0.0640 0.0640	1.8098/1.8122 0.9045/0.9065	0.7680 0.8740



CHRYSLER (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
13 (Cont.)	135 CID (2.2L) DOHC Turbocharged 4 Cyl (1991-1993)				3.445in./87.5mm x 3.622in./92mm				13 (Cont.)
	135 CID (2.2L) DOHC Maserati Turbocharged 4 Cyl (1989-1990)				3.445in./87.5mm x 3.622in./92mm				
	135 CID (2.2L) SOHC 4 Cyl (1981-1994)				3.445in./87.5mm x 3.622in./92mm				
	135 CID (2.2L) SOHC Turbocharged 4 Cyl (1984-1990)				3.445in./87.5mm x 3.622in./92mm				
Rod Forging	218LW, 5203385								
C/S Forging	3A, 3B, 3E, 3H, 5A, 3AC, 3AH, 3KC, 3SF, 5AK, 6AM, 63GC, 63GU, 59-PK, 63-GC, 65-RU, 69-GU, 5G9-37, 5214738								
Connecting Rod	40 Lbs.Ft. Plus 90 Degrees								
Main Bearing	30 Lbs.Ft. Plus 90 Degrees								
14	143 CID (2.3L) SOHC Mitsubishi Turbocharged Diesel 4 Cyl (1983-1985)				3.587in./91.1mm x 3.543in./90mm				14
Rod Bearing(4)	AL-3	CB-1220P	STD,.25mm,.50mm,.75mm,1.00mm	2.0858/2.0866	0.0005/0.0028	0.0590	2.2047/2.2055	0.9840	
NOTE: Turbocharged									
Main Bearing Set	TM-1	MS-1430P	STD,.50mm,.75mm	2.5976/2.5984	0.0010/0.0037	0.0782	2.7559/2.7567	0.9840	1.2190
1-2-4-5		MB-2751P							
3		MB-2752P(F)							
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing									
Connecting Rod	33 To 34 Lbs.Ft.								
Main Bearing	55 To 61 Lbs.Ft.								
15	144 CID (2.4L) 4G64 SOHC 16 Valve Mitsubishi 4 Cyl (1993-1996)				3.405in./86.5mm x 3.937in./100mm				15
Rod Bearing(4)	TM-77	CB-1643P	STD,.25mm,.50mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.8010	
Main Bearing Set	TM-1	MS-2039P	STD,.25mm,.50mm	2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	0.8050	1.0040
1-2-4-5		MB-3504P							
3		MB-3505P(F)							
Balance Shaft Bearing Set	AL-3	SH-1469S	STD	1.6129	0.0010/0.0031	0.0589	1.7333	0.8268	0.7480
LH; Rear		SH-1468							
RH; Front		SH-1467							
RH; Rear		SH-1469							
Connecting Rod	23 To 25 Lbs.Ft.								
Main Bearing	36 To 39 Lbs.Ft.								
16	148 CID/2429CC (2.4L) DOHC 4 Cyl (1995-2005)				3.445in./87.5mm x 3.976in./101mm				16
Rod Bearing(4)	TM-77	CB-1668P	.25mm,.50mm	1.9677/1.9687	0.0008/0.0034	0.0584	2.0863/2.0869	0.7930	
To Be Replaced By CB-1813P									
Rod Bearing(4)	TM-77	CB-1813P	STD,.25mm,.50mm	1.9677/1.9687	0.0008/0.0034	0.0584	2.0863/2.0869	0.7930	
Rod Bearing(4)	TM-77	CB-1817P-.25mm	.50mm	1.9677/1.9687	0.0008/0.0034	0.0594	2.0883/2.0889	0.7930	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	TM-77	MS-2201P	STD,.25mm,.50mm	2.3617/2.3627	0.0005/0.0029	0.0781	2.5194/2.5202	0.8510	1.0970
1-2-4-5		MB-3594P							
3		MB-3595P(F)							
17	148 CID/2429CC (2.4L) DOHC Turbocharged/Intercooled 4 Cyl (2003-2005)				3.445in./87.5mm x 3.976in./101mm				17
Rod Bearing(4)	TM-77	CB-1813P	STD,.25mm,.50mm	1.9677/1.9687	0.0008/0.0034	0.0584	2.0863/2.0869	0.7930	
Rod Bearing(4)	TM-77	CB-1817P-.25mm	.50mm	1.9677/1.9687	0.0008/0.0034	0.0594	2.0883/2.0889	0.7930	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	TM-77	MS-2246P	STD,.25mm,.50mm	2.3617/2.3627	0.0005/0.0029	0.0781	2.5194/2.5202	0.8510	1.0970
1-2-4-5		MB-3594P							
3		MB-3828P(F)							
18	150 CID (2.5L) Jeep 4 Cyl (1996-2002)				3.875in./98.4mm x 3.190in./81.03mm				18
Rod Bearing(4)	TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370	
Main Bearing Set	TM-77	MS-1948P	STD,10,20,30	2.4996/2.5001	0.0006/0.0031	0.0953	2.6910/2.6920	0.9860	1.2700
1-3-4-5		MB-3337P							
2		MB-3338P(F)							
Cam Bearing Set	B-1	SH-1980S	STD	2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6950	0.7050
1		SH-1980							
2		SH-550							
3		SH-551							
4		SH-552							
C/S Forging	3239611								
Connecting Rod	33 Lbs.Ft.								
Main Bearing	80 Lbs.Ft.								



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
19	150 CID (2.5L) SOHC Renault 4 Cyl (1988-1989)			3.875in./98.4mm x 3.190in./81.03mm				19
Rod Bearing(4)	TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set 1-3-4-5 2	TM-77	MS-1568P MB-2263P MB-2264P(F)	STD,10,20,30,40	2.4996/2.5001 2.4996/2.5001	0.0006/0.0031 0.0006/0.0031	0.0953 0.0953	2.6910/2.6920 2.6910/2.6920	0.9860 1.2700
Cam Bearing Set 1 2 3 4	B-1	SH-1980S SH-1980 SH-550 SH-551 SH-552	STD	2.0295/2.0305 2.0195/2.0205 2.0095/2.0105 1.9995/2.0005	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0620 0.0620 0.0620 0.0620	2.1555/2.1565 2.1455/2.1465 2.1355/2.1365 2.1255/2.1265	0.6950 0.7050 0.7050 0.7050
20	153 CID (2.5L) SOHC 4 Cyl (1986-1995) 153 CID (2.5L) SOHC Turbocharged 4 Cyl (1989-1992) 153 CID (2.5L) SOHC Flex 4 Cyl (1993-1994)			3.445in./87.5mm x 4.094in./104mm 3.445in./87.5mm x 4.094in./104mm 3.445in./87.5mm x 4.094in./104mm				20
Rod Bearing(4)	TM-77	CB-1269P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	1.9677/1.9687	0.0008/0.0034	0.0584	2.0863/2.0869	0.7930
Main Bearing Set 1-2-4-5 3	TM-77	MS-1533P MB-2863P MB-2864P(F)	STD,.026mm,.25mm,.50mm,.75mm	2.3617/2.3627 2.3617/2.3627	0.0008/0.0033 0.0008/0.0033	0.0781 0.0781	2.5194/2.5202 2.5194/2.5202	0.8510 1.0970
Aux. Shaft Bearing Set Front Rear	AL-3	SH-1326S SH-1326 SH-1256	STD	1.6799/1.6809 0.7744/0.7753	0.0013/0.0031 0.0013/0.0031	0.0640 0.0640	1.8098/1.8122 0.9045/0.9065	0.7680 0.8740
Balance Shaft Bearing(2)	AL-3	SH-1403-SEMI SH-1403		1.6560/1.6570	0.0018/0.0025	0.0790	1.7860/1.7870	0.8860
Connecting Rod Main Bearing	40 Lbs.Ft. Plus 90 Degrees 30 Lbs.Ft. Plus 90 Degrees							
21	156 CID (2.6L) SOHC "F" Mitsubishi Turbocharged 4 Cyl (1984-1987) 156 CID (2.6L) SOHC "F" Mitsubishi Turbocharged/Intercooled 4 Cyl (1985-1989) 156 CID (2.6L) SOHC "W" Mitsubishi 4 Cyl (1979-1989)			3.587in./91.1mm x 3.858in./98mm 3.587in./91.1mm x 3.858in./98mm 3.590in./91.2mm x 3.858in./98mm				21
Rod Bearing(4)	AL-3	CB-1220P	STD,.25mm,.50mm,.75mm,1.00mm	2.0858/2.0866	0.0005/0.0028	0.0590	2.2047/2.2055	0.9840
Main Bearing Set 1-2-4-5 3	AL-3	MS-1945AL MB-3053AL MB-3339AL(F)	STD,.25mm,.50mm,.75mm	2.3614/2.3622 2.3614/2.3622	0.0011/0.0037 0.0011/0.0037	0.0783 0.0783	2.5197/2.5205 2.5197/2.5205	0.9890 1.2190
Aux. Shaft Bearing Set Left Front Left/Right Rear	AL-3	SH-1429S SH-1760 SH-1429	STD,.25mm	0.9039/0.9047 1.6933/1.6939	0.0008/0.0034 0.0013/0.0037	0.0593 0.0585	1.0236/1.0244 1.8122/1.8130	0.7090 0.7950
NOTE: Left Front Bushing Only Available In Std Size Even In Undersize Set Due To Small Shaft Diameter,Requires Boring The Left Front Balance Shaft Housing To 1.0236"/1.0244" Outside Diameter								
C/S Forging	G52, G54							
Connecting Rod Main Bearing	33 To 34 Lbs.Ft. 55 To 61 Lbs.Ft.							
5 CYL								
22	164 CID/2685CC (2.7L) OM612LA Mercedes Benz Turbocharged/Intercooled Diesel 5 Cyl (2003) 164 CID/2685CC (2.7L) OM647LA Mercedes Benz Turbocharged/Intercooled Diesel 5 Cyl (2004-2006)			3.465in./88mm x 3.480in./88.4mm 3.465in./88mm x 3.480in./88.4mm				22
Rod Bearing(5)	TM-77	CB-1842P	STD,.25mm,.50mm	1.8880/1.8883	0.0006/0.0024	0.0713	2.0315/2.0320	0.8560
Rod Bearing(5)	TM-77	CB-1843P-.25mm	.50mm	1.8880/1.8883	0.0006/0.0024	0.0723	2.0335/2.0340	0.8560
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4-5-6	TM-77	MS-2248P MB-3826P	STD,.25mm,.50mm	2.2817/2.2820	0.0005/0.0023	0.0890	2.4605/2.4610	0.6900
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-620S								
Thrust Washer Set		TW-620S MB-3826W	STD	2.5905			3.1890	0.0866
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2248P								



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
5 CYL (Cont.)								
22 (Cont.)	164 CID/2685CC (2.7L) OM612LA Mercedes Benz Turbocharged/Intercooled Diesel 5 Cyl (2003)				3.465in./88mm x 3.480in./88.4mm			22 (Cont.)
	164 CID/2685CC (2.7L) OM647LA Mercedes Benz Turbocharged/Intercooled Diesel 5 Cyl (2004-2006)				3.465in./88mm x 3.480in./88.4mm			
Piston Pin Bushing(5)	C-1	223-3665	STD				1.2795/1.2803	0.8622
NOTE: Finish In Place								
6 CYL								
23	2497CC (2.5L) EEB Mitsubishi V6 Cyl (1995-2000)				3.290in./83.5mm x 2.992in./76mm			23
Rod Bearing(6)	TM-77	CB-1411P	STD,.25mm,.50mm,.75mm	1.9677/1.9685	0.0009/0.0027	0.0587	2.0866/2.0868	0.6120
Main Bearing Set 1-2-3-4	TM-1	MS-2239P MB-3813P	STD,.25mm,.50mm	2.3614/2.3622	0.0008/0.0034	0.0783	2.5197/2.5205	0.7140
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-458S								
Thrust Washer Set		TW-458S MB-3108W(L) MB-3108W(U)	STD	2.5984/2.6083 2.5984/2.6083			3.0492/3.0594 3.0492/3.0594	0.0778 0.0778
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2239P								
Connecting Rod Main Bearing	37 Lbs.Ft. 69 Lbs.Ft.							
24	167 CID/2736CC (2.7L) DOHC V6 Cyl (1998-2006) 167 CID/2736CC (2.7L) DOHC Flex V6 Cyl (2003-2006)				3.386in./86mm x 3.091in./78.5mm 3.386in./86mm x 3.091in./78.5mm			24
Rod Bearing(6)	TM-77	CB-1670P	STD,.25mm,.50mm,.75mm	2.1059/2.1067	0.0006/0.0030	0.0584	2.2241/2.2247	0.6870
Rod Bearing(6)	TM-77	CB-1787P-.25mm	.50mm	2.1059/2.1067	0.0006/0.0030	0.0594	2.2261/2.2267	0.6870
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4	TM-77	MS-2209P MB-3596P	STD,.25mm,.50mm,.75mm	2.4997/2.5004	0.0004/0.0029	0.1078	2.7161/2.7169	0.7370
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-606S								
Thrust Washer Set		TW-606S MB-3768W	STD	0.2816			3.5700	0.0806
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-2209P								
Piston Pin Bushing(6)	C-1	223-3654	STD				0.0533 0.9432/0.9451	0.8750
NOTE: Requires Light Reaming								
Connecting Rod Main Bearing Main Bearing	20 Lbs.Ft. Plus 90 Degrees 15 Lbs.Ft. Plus 90 Degrees (Inner Bolts) 20 Lbs.Ft. Plus 90 Degrees (Outer Bolts)							
25	170 CID (2.8L) OHV 6 Cyl (1960-1969) 198 CID (3.2L) OHV 6 Cyl (1970-1974)				3.400in./86.4mm x 3.125in./79.4mm 3.400in./86.4mm x 3.641in./92.5mm			25
Rod Bearing(6)	TM-77	CB-606G	STD,1,10,20,30,40,60	2.1865/2.1875	0.0007/0.0028	0.0624	2.3125/2.3130	0.9900
NOTE: Forged Crankshaft								
Main Bearing Set 1	TM-77	MS-517P MB-1999P	STD,10,20,30,40	2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.0390
2-4		MB-2001P		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.0390
3		MB-2000P(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.2550
NOTE: Forged Crankshaft								
Cam Bearing Set 1	B-1	SH-874S SH-874	STD	1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.9300
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-424		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.7600
4		SH-425		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
Piston Pin Bushing(6)	B	223-3484	STD				0.0320 1.0370/1.0390	1.1400
NOTE: Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3607	STD				0.0430 1.0370/1.0390	1.1400
NOTE: Requires Boring								
Rod Forging C/S Forging	15140, 15134N, 1947167, 1947952, 2205554, 2951260 2121654, 2263611, 2264478, 2843939							
Connecting Rod Main Bearing	45 Lbs.Ft. 85 Lbs.Ft.							



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
26	181 CID (3.0L) DOHC Mitsubishi V6 Cyl (1991-1996)			3.587in./91.1mm x 2.992in./76mm				26
	181 CID (3.0L) DOHC Mitsubishi Turbocharged V6 Cyl (1991-1996)			3.587in./91.1mm x 2.992in./76mm				
	181 CID (3.0L) SOHC Mitsubishi V6 Cyl (1987-2000)			3.587in./91.1mm x 2.992in./76mm				
Rod Bearing(6)	TM-77	CB-1411P	STD,.25mm,.50mm,.75mm	1.9677/1.9685	0.0009/0.0027	0.0587	2.0866/2.0868	0.6120
Main Bearing Set 1-2-3-4	TM-77	MS-1720P MB-3108P	STD	2.3614/2.3622	0.0007/0.0034	0.0784	2.5197/2.5204	0.7120
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-458S To Be Replaced By MS-2226P								
Main Bearing Set 1-2-3-4	TM-77	MS-2226P MB-3791P	STD,.25mm,.50mm,.75mm	2.3614/2.3622	0.0007/0.0034	0.0784	2.5197/2.5204	0.7120
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-458S								
Thrust Washer Set		TW-458S	STD					
		MB-3108W(L)		2.5984/2.6083			3.0492/3.0594	0.0778
		MB-3108W(U)		2.5984/2.6083			3.0492/3.0594	0.0778
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1720P,MS-2226P								
Rod Forging	72G, 72W							
C/S Forging	AD, AY, 09N, 1.9, 11M, 19N, A1D, T3A, 003K, 003N, 10-B, A301, B301, 1174N, 97TM-, A-6303, 96TM-AA, 020201A1, A-6303-A							
Connecting Rod	38 Lbs.Ft.							
Main Bearing	60 Lbs.Ft.							
27	181 CID/2972CC (3.0L) EF7 SOHC Mitsubishi V6 Cyl (2001-2003)			3.587in./91.1mm x 2.992in./76mm				27
	Rod Bearing(6)	TM-77	CB-1411P	STD,.25mm,.50mm,.75mm	1.9677/1.9685	0.0009/0.0027	0.0587	
28	197 CID (3.2L) EGW SOHC V6 Cyl (1998-2001)			3.622in./92mm x 3.307in./84mm				28
	Rod Bearing(6)	TM-77	CB-1669P	STD,.25mm,.50mm	2.2826/2.2837	0.0008/0.0034	0.0584	
Main Bearing Set 1-2-3-4	TM-77	MS-2210P MB-3597P	STD,.25mm,.50mm	2.5190/2.5200	0.0003/0.0033	0.0980	2.7160/2.7170	0.6900
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-606S								
Thrust Washer Set		TW-606S	STD					
		MB-3768W		0.2816			3.5700	0.0806
NOTE: Contains 2 Pieces, Position Number 2, Use With Part Number MS-2210P								
29	201 CID (3.3L) V6 Cyl (1990-2002)			3.661in./93mm x 3.189in./81mm				29
	201 CID (3.3L) CNG V6 Cyl (1994-1996)			3.661in./93mm x 3.189in./81mm				
	201 CID (3.3L) Flex V6 Cyl (1994-1995)			3.661in./93mm x 3.189in./81mm				
	201 CID (3.3L) EGM Flex V6 Cyl (1998-2002)			3.661in./93mm x 3.189in./81mm				
	230 CID (3.8L) V6 Cyl (1991-2005)			3.780in./96mm x 3.425in./87mm				
Rod Bearing(6)	TM-77	CB-1410P	STD,.25mm,.50mm,.75mm	2.2830/2.2840	0.0005/0.0022	0.0584	2.4013/2.4018	0.6510
Main Bearing Set 1-3-4	TM-77	MS-1946P	STD,.25mm,.50mm	2.5192/2.5202	0.0005/0.0020	0.0781	2.6769/2.6777	0.6940
2		MB-3340P MB-3107P(F)		2.5192/2.5202	0.0005/0.0020	0.0781	2.6769/2.6777	0.9400
Cam Bearing Set 1	AL-3	SH-1405S	STD	1.9970/1.9990	0.0010/0.0040	0.0645	2.1295/2.1305	0.9400
2		SH-1406		1.9800/1.9820	0.0010/0.0040	0.0648	2.1135/2.1145	0.6200
3		SH-1407		1.9650/1.9670	0.0010/0.0040	0.0658	2.0985/2.0995	0.6200
4		SH-1408		1.9500/1.9520	0.0010/0.0040	0.0648	2.0825/2.0835	0.6200
Rod Forging	4448903							
C/S Forging	3654							
Connecting Rod	40 Lbs.Ft. Plus 90 Degrees							
Main Bearing	30 Lbs.Ft. Plus 90 Degrees							
30	215 CID (3.5L) SOHC V6 Cyl (1993-2007)			3.780in./96mm x 3.189in./81mm				30
	Rod Bearing(6)	TM-77	CB-1410P	STD,.25mm,.50mm,.75mm	2.2830/2.2840	0.0005/0.0022	0.0584	
NOTE: 1993-1997								
Rod Bearing(6)	TM-77	CB-1669P	STD,.25mm,.50mm	2.2826/2.2837	0.0008/0.0034	0.0584	2.4013/2.4018	0.6840
NOTE: 1998-2007								
Main Bearing Set 1-3-4	TM-77	MS-2010P	STD,.25mm,.50mm,.75mm	2.5192/2.5202	0.0005/0.0020	0.0781	2.6769/2.6777	0.6940
2		MB-3340P MB-3471P(F)		2.5192/2.5202	0.0005/0.0020	0.0781	2.6769/2.6777	0.9410
NOTE: 1993-1997								
Main Bearing Set 1-2-3-4	TM-77	MS-2210P	STD,.25mm,.50mm	2.5190/2.5200	0.0003/0.0033	0.0980	2.7160/2.7170	0.6900
NOTE: 1998-2007, Requires Thrust Washer Set, Not Included, Use With Part Number TW-606S								



CHRYSLER (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
30 (Cont.)	215 CID (3.5L) SOHC V6 Cyl (1993-2007)			3.780in./96mm x 3.189in./81mm					30 (Cont.)
Thrust Washer Set		TW-606S MB-3768W	STD	0.2816			3.5700	0.0806	
NOTE: 1998-2007, Contains 2 Pieces, Position Number 2, Use With Part Number MS-2210P									
Piston Pin Bushing(6)	C-1	223-3618	STD			0.0490	1.0140/1.0150	0.8500	
NOTE: 1993-1997, Requires Boring									
C/S Forging	AD, AY, A1D, A301, B301, 97TM-, A-6303, 96TM-AA, A-6303-A								
Connecting Rod Main Bearing	40 Lbs.Ft. Plus 90 Degrees 30 Lbs.Ft. Plus 90 Degrees								
31	218 CID (3.6L) 5/5A/6/6A/30/31 6 Cyl (1942-1954)			3.250in./82.6mm x 4.375in./111.1mm					31
Rod Bearing(6)	TM-77	CB-60G	STD,10,20,30,40,50,60	2.0615/2.0625	0.0006/0.0027	0.0525	2.1675/2.1680	1.0050	
Main Bearing Set	TM-77	MS-523P-10	20,30						
1		MB-2011P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.2400	
2-3		MB-2012P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.0360	
4		MB-122P(F)		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.8710	
Cam Bearing Set	B-1	SH-23S	STD						
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010	
2		SH-24		1.9665/1.9675	0.0010/0.0050	0.0650	2.0985/2.0995	0.8820	
3		SH-25		1.9350/1.9360	0.0010/0.0050	0.0650	2.0670/2.0680	0.8820	
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250	
NOTE: Requires Light Reaming, .919" Outside Diameter									
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250	
NOTE: Requires Boring, 1.066" Outside Diameter									
Piston Pin Bushing(6)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250	
NOTE: Requires Boring									
Rod Forging	9300, 9410, 617925, 868896, 952118, 954371, 954408, 1554471, 1554530								
C/S Forging	620035, 856080, 864719, 952068, 1316540								
Connecting Rod	45 To 50 Lbs.Ft. (3/8" Bolts)								
Connecting Rod	50 To 75 Lbs.Ft. (7/16" Bolts)								
Main Bearing	80 To 85 Lbs.Ft.								
32	218 CID (3.6L) L-Head 6 Cyl (1934-1954)			3.250in./82.6mm x 4.375in./111.1mm					32
218 CID (3.6L) L-Head Dodge 6 Cyl (1939-1954)				3.250in./82.6mm x 4.375in./111.1mm					
Rod Bearing(6)	TM-77	CB-60G	STD,10,20,30,40,50,60	2.0615/2.0625	0.0006/0.0027	0.0525	2.1675/2.1680	1.0050	
Main Bearing Set	TM-77	MS-523P-10	20,30						
1		MB-2011P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.2400	
2-3		MB-2012P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.0360	
4		MB-122P(F)		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.8710	
Cam Bearing Set	B-1	SH-23S	STD						
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010	
2		SH-24		1.9665/1.9675	0.0010/0.0050	0.0650	2.0985/2.0995	0.8820	
3		SH-25		1.9350/1.9360	0.0010/0.0050	0.0650	2.0670/2.0680	0.8820	
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250	
NOTE: Requires Light Reaming, .919" Outside Diameter									
Piston Pin Bushing(6)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250	
NOTE: Requires Boring									
Rod Forging	9300, 9410, 617925, 868896, 952118, 954408, 1554471, 1554530								
C/S Forging	620035, 856080, 864719, 952068, 1316540								
Connecting Rod	45 To 50 Lbs.Ft. (3/8" Bolts)								
Connecting Rod	50 To 75 Lbs.Ft. (7/16" Bolts)								
Main Bearing	80 To 85 Lbs.Ft.								



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
33	218 CID (3.6L) L-Head (Canadian) 6 Cyl (1938-1954)			3.375in./85.7mm x 4.063in./103.2mm				33
	237 CID (3.9L) L-Head DeSoto 6 Cyl (1946-1950)			3.438in./87.3mm x 4.250in./108mm				
	242 CID (4.0L) L-Head Dodge 6 Cyl (1938-1941)			3.375in./85.7mm x 4.500in./114.3mm				
	251 CID (4.1L) L-Head 6 Cyl (1942-1954)			3.438in./87.33mm x 4.500in./114.3mm				
	265 CID (4.3L) L-Head 6 Cyl (1951-1954)			3.438in./87.33mm x 4.750in./120.7mm				
Rod Bearing(6)	TM-77	CB-90P	STD,1,10,20,30,40,C60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	1.0850
Main Bearing Set	TM-77	MS-107P	STD,10,20					
1-2-3		MB-327P		2.4995/2.5005	0.0011/0.0036	0.0776	2.6565/2.6570	1.1810
4		MB-328P(F)		2.4995/2.5005	0.0017/0.0042	0.0774	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-37S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-37		1.9665/1.9675	0.0005/0.0045	0.0652	2.0985/2.0995	1.0700
3		SH-38		1.9350/1.9360	0.0005/0.0044	0.0653	2.0670/2.0680	1.0690
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	665679, 666746, 954418, 954428, 954448, 1400244							
C/S Forging	665792, 666739, 673498, 762706, 863706, 864718, 870715, 870744, 1400188, 1400718							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
34	218 CID (3.6L) T112,T125,T128 6 Cyl			3.250in./82.6mm x 4.375in./111.1mm				34
	230 CID (3.8L) HT931,Ind 30,Ind 31,Ind 6,Ind 6A,Ind 931 6 Cyl (1942-1960)			3.250in./82.6mm x 4.625in./117.5mm				
	230 CID (3.8L) T116 6 Cyl			3.250in./82.6mm x 4.625in./117.5mm				
Rod Bearing(6)	TM-77	CB-60G	STD,10,20,30,40,50,60	2.0615/2.0625	0.0006/0.0027	0.0525	2.1675/2.1680	1.0050
Main Bearing Set	TM-77	MS-523P-10	20,30					
1		MB-2011P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.2400
2-3		MB-2012P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.0360
4		MB-122P(F)		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-23S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-24		1.9665/1.9675	0.0010/0.0050	0.0650	2.0985/2.0995	0.8820
3		SH-25		1.9350/1.9360	0.0010/0.0050	0.0650	2.0670/2.0680	0.8820
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	9300, 9410, 9414, 617925, 666743, 868896, 952118, 954371, 954408, 1554471, 1554530							
C/S Forging	620035, 856080, 864718, 864719, 868929, 952068, 1185539, 1316540, 1557708, 1739589							
Connecting Rod	45 To 50 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	50 To 75 Lbs.Ft. (7/16" Bolts)							
Main Bearing	80 To 85 Lbs.Ft.							
35	225 CID (3.7L) H225,HA225,HB225,HC225 6 Cyl (1961-1987)			3.400in./86.4mm x 4.125in./104.8mm				35
	225 CID (3.7L) OHV 6 Cyl (1960-1987)			3.400in./86.4mm x 4.125in./104.8mm				
Rod Bearing(6)	TM-77	CB-606G	STD,1,10,20,30,40,60	2.1865/2.1875	0.0007/0.0028	0.0624	2.3125/2.3130	0.9900
NOTE: 1960-1976, Forged Crankshaft								
Rod Bearing(6)	TM-77	CB-1214AL	STD,2,10,20,30,40	2.1865/2.1875	0.0004/0.0029	0.0623	2.3125/2.3130	0.7200
NOTE: 1976-1987, Cast Iron Crankshaft								
Main Bearing Set	TM-77	MS-517P	STD,10,20,30,40					
1		MB-1999P		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.0390
2-4		MB-2001P		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.0390
3		MB-2000P(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.2550
NOTE: 1960-1976, Forged Crankshaft								
Main Bearing Set	TM-77	MS-1419AL	STD,10,20,30					
1-2-4		MB-2731AL		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	0.8820
3		MB-2732AL(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.1080
NOTE: 1976-1987, Cast Iron Crankshaft								



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
35 (Cont.)	225 CID (3.7L) H225,HA225,HB225,HC225 6 Cyl (1961-1987)				3.400in./86.4mm x 4.125in./104.8mm			35 (Cont.)
	225 CID (3.7L) OHV 6 Cyl (1960-1987)				3.400in./86.4mm x 4.125in./104.8mm			
Cam Bearing Set	B-1	SH-874S	STD					
1		SH-874		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.9300
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-424		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.7600
4		SH-425		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
NOTE: 1960-1978								
Cam Bearing Set	B-1	SH-1115S	STD					
1		SH-1115		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.7900
2		SH-1116		1.9820/1.9830	0.0025/0.0065	0.0640	2.1135/2.1145	0.6300
3		SH-1117		1.9670/1.9680	0.0025/0.0065	0.0640	2.0985/2.0995	0.6300
4		SH-425		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
NOTE: 1979-1987								
Piston Pin Bushing(6)	B	223-3484	STD			0.0320	1.0370/1.0390	1.1400
NOTE: Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400
NOTE: Requires Boring								
Rod Forging	15140, 15134N, 1947167, 1947952, 2205554, 2951260, 3751142N							
C/S Forging	2128492, 2205554, 2258613, 2264478, 2264479, 2268613, 2543935, 2658998, 2843935, 2843963, 3698966, 3769307, 4095246, 7501366							
Connecting Rod Main Bearing	45 Lbs.Ft. 85 Lbs.Ft.							
36	226 CID/3701CC (3.7L) EKG SOHC 12 Valve V6 Cyl (2002-2006)				3.661in./93mm x 3.575in./90.8mm			36
Rod Bearing(6)	TM-77	CB-1818P	STD,.25mm,.50mm	2.2794/2.2797	0.0010/0.0027	0.0645	2.4092/2.4096	0.6547
Rod Bearing(6)	TM-77	CB-1819P-.25mm	.50mm	2.2794/2.2797	0.0010/0.0027	0.0655	2.4112/2.4116	0.6547
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-2244P	STD,.25mm,.50mm					
1-2-3-4		MB-3790P		2.4998/2.5002	0.0002/0.0013	0.0962	2.6927/2.6931	0.8120
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-608S								
Thrust Washer Set		TW-608S	STD					
		MB-3771W						0.0980
NOTE: Contains 2 Piece Thrust Washer Set, Use In Number 3 Position, Use With Part Number MS-2244P								
Aux. Shaft Bearing Set	AL-3	SH-1997S	STD					
Front		SH-1997		2.2042/2.2052	0.0026/0.0067	0.0725	2.3528/2.3539	0.7150
Rear		SH-1998		1.1412/1.1422	0.0016/0.0057	0.0730	1.2898/1.2909	0.7100
37	230 CID (3.8L) L-Head 6 Cyl (1946-1959)				3.250in./82.6mm x 4.625in./117.5mm			37
	230 CID (3.8L) L-Head Dodge 6 Cyl (1942-1960)				3.250in./82.6mm x 4.625in./117.5mm			
Rod Bearing(6)	TM-77	CB-60G	STD,10,20,30,40,50,60	2.0615/2.0625	0.0006/0.0027	0.0525	2.1675/2.1680	1.0050
Main Bearing Set	TM-77	MS-523P-10	20,30					
1		MB-2011P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.2400
2-3		MB-2012P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.0360
4		MB-122P(F)		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.8710
NOTE: Manual Transmission								
Cam Bearing Set	B-1	SH-23S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-24		1.9665/1.9675	0.0010/0.0050	0.0650	2.0985/2.0995	0.8820
3		SH-25		1.9350/1.9360	0.0010/0.0050	0.0650	2.0670/2.0680	0.8820
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3474	STD			0.0320	0.9065/0.9105	1.1250
NOTE: Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	9410, 9414, 617925, 666743, 868896, 952118, 954371, 954408, 1554471, 1554530							
C/S Forging	864718, 868929, 1185539, 1557708, 1739589							



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
37 (Cont.)	230 CID (3.8L) L-Head 6 Cyl (1946-1959)				3.250in./82.6mm x 4.625in./117.5mm			37 (Cont.)
	230 CID (3.8L) L-Head Dodge 6 Cyl (1942-1960)				3.250in./82.6mm x 4.625in./117.5mm			
Connecting Rod	45 To 50 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	50 To 75 Lbs.Ft. (7/16" Bolts)							
Main Bearing	80 To 85 Lbs.Ft.							
38	237 CID (3.9L) 236 6 Cyl				3.438in./87.3mm x 4.250in./108mm			38
	237 CID (3.9L) Ind 7,Ind 7A,T118,T120 6 Cyl				3.438in./87.3mm x 4.250in./108mm			
	251 CID (4.1L) 251,T42 6 Cyl				3.438in./87.3mm x 4.500in./114.3mm			
	251 CID (4.1L) 8-213,8-231,908A,Ind 8,Ind 8A 6 Cyl				3.438in./87.3mm x 4.500in./114.3mm			
	265 CID (4.3L) 265 6 Cyl				3.438in./87.3mm x 4.750in./120.7mm			
	265 CID (4.3L) Ind 32,Ind 33,H908A,Ind 16,Ind 16A 6 Cyl				3.438in./87.3mm x 4.750in./120.7mm			
Rod Bearing(6)	TM-77	CB-90P	STD,1,10,20,30,40,C60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	1.0850
Main Bearing Set	TM-77	MS-107P	STD,10,20					
1-2-3		MB-327P		2.4995/2.5005	0.0011/0.0036	0.0776	2.6565/2.6570	1.1810
4		MB-328P(F)		2.4995/2.5005	0.0017/0.0042	0.0774	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-37S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-37		1.9665/1.9675	0.0005/0.0045	0.0652	2.0985/2.0995	1.0700
3		SH-38		1.9350/1.9360	0.0005/0.0044	0.0653	2.0670/2.0680	1.0690
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	665679, 666746, 954418, 954428, 954448, 1400244							
C/S Forging	665792, 666739, 673498, 762706, 863706, 864718, 870715, 870744, 1400188, 1400718							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
39	239 CID (3.9L) Dodge V6 Cyl (1987-2002)				3.910in./99.3mm x 3.313in./84.2mm			39
Rod Bearing(6)	TM-77	CB-1387P	STD,10,20,30	2.1240/2.1250	0.0005/0.0022	0.0624	2.2500/2.2507	0.7350
Main Bearing Set	TM-77	MS-1701P	STD,10,20,30					
1-3		MB-2283P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
2		MB-2620P(F)		2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	1.1520
4		MB-2559P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.3270
Cam Bearing Set	B-1	SH-1114S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-1112		1.9820/1.9830	0.0015/0.0055	0.0645	2.1135/2.1145	0.6300
3		SH-1114		1.9510/1.9520	0.0015/0.0055	0.0645	2.0825/2.0835	0.6300
4		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
40	243 CID (4.0L) OHV Mitsubishi Diesel 6 Cyl (1978-1979)				3.622in./92mm x 3.937in./100mm			40
Rod Bearing(6)	TM-1	CB-1261P	STD,.25mm	2.2813/2.2821	0.0014/0.0032	0.0787	2.4409/2.4417	1.1020
41	251 CID (4.1L) L-Head Dodge 6 Cyl (1942-1968)				3.438in./87.3mm x 4.500in./114.3mm			41
Rod Bearing(6)	TM-77	CB-90P	STD,1,10,20,30,40,C60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	1.0850
Main Bearing Set	TM-77	MS-107P	STD,10,20					
1-2-3		MB-327P		2.4995/2.5005	0.0011/0.0036	0.0776	2.6565/2.6570	1.1810
4		MB-328P(F)		2.4995/2.5005	0.0017/0.0042	0.0774	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-37S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-37		1.9665/1.9675	0.0005/0.0045	0.0652	2.0985/2.0995	1.0700
3		SH-38		1.9350/1.9360	0.0005/0.0044	0.0653	2.0670/2.0680	1.0690
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, .919" Outside Diameter								
Piston Pin Bushing(6)	B	223-3474	STD			0.0320	0.9065/0.9105	1.1250
NOTE: 1958-1968, Requires Light Reaming								



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
41 (Cont.)	251 CID (4.1L) L-Head Dodge 6 Cyl (1942-1968)				3.438in./87.33mm x 4.500in./114.3mm			41 (Cont.)
Piston Pin Bushing(6)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	665679, 666746, 954418, 954428, 1400244							
C/S Forging	665792, 666739, 673498, 762706, 863706, 864718, 870715, 870744							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
42	265 CID (4.3L) L-Head Dodge 6 Cyl (1953-1960)				3.438in./87.33mm x 4.750in./120.7mm			42
Rod Bearing(6)	TM-77	CB-90P	STD,1,10,20,30,40,C60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	1.0850
Main Bearing Set 1-2-3	TM-77	MS-107P	STD,10,20	2.4995/2.5005	0.0011/0.0036	0.0776	2.6565/2.6570	1.1810
4		MB-327P MB-328P(F)		2.4995/2.5005	0.0017/0.0042	0.0774	2.6565/2.6570	1.8710
Cam Bearing Set 1	B-1	SH-37S	STD	1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-23		1.9665/1.9675	0.0005/0.0045	0.0652	2.0985/2.0995	1.0700
3		SH-37 SH-38		1.9350/1.9360	0.0005/0.0044	0.0653	2.0670/2.0680	1.0690
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: 1953-1959, Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3474	STD			0.0320	0.9065/0.9105	1.1250
NOTE: 1960, Requires Light Reaming								
43	354 CID (5.8L) 6-354 Perkins Diesel 6 Cyl (1966-1970)				3.877in./98.5mm x 5.000in./127mm			43
Rod Bearing(6)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set 1-2-3-5-6-7	AL-3	MS-757AL	STD,10,20,30	2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2550
4		MB-2221AL MB-2222AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set		TW-121S	STD	3.4200/3.4300			4.0880/4.0980	0.0910
		MB-2222W(L) MB-2222W(U)		3.4200/3.4300			4.0880/4.0980	0.0910
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4, Use With Part Number MS-757AL								
Thrust Washer Set		TW-316S	STD	3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(L) MB-2636W(U)		3.4200/3.4300			4.0880/4.0980	0.0900
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4, Use With Part Number MS-757AL								
Rod Forging	59554, 31337310, 31337180JGSB							
C/S Forging	3132302, 31322302							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	145 To 150 Lbs.Ft.							
44	359 CID (5.9L) ETA Cummins Turbocharged Diesel 6 Cyl (1989-1993)				4.016in./102mm x 4.724in./120mm			44
	359 CID (5.9L) ETB Cummins Turbocharged/Intercooled Diesel 6 Cyl (1990-1998)				4.016in./102mm x 4.724in./120mm			
Rod Bearing(6)	TM-112	CB-1413P	STD,.25mm,.50mm,.75mm	2.7160/2.7170	0.0015/0.0045	0.0775	2.8735/2.8745	1.2250
NOTE: Turbocharged								
Rod Bearing(6)		CB-1846P-.25mm	.50mm	2.7160/2.7170	0.0015/0.0045	0.0874	2.8835/2.8845	1.2250
NOTE: Connecting Rods With Housing Bore Resized .010" Larger Than Stock								
Main Bearing Set 1-2-3-4-5-7	TM-112	MS-1717P	STD,.25mm,.50mm,.75mm	3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.1430
6		MB-3110P MB-3109P(F)		3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.4700
NOTE: Turbocharged								
Cam Bearing	AL-3	SH-1404	STD	2.1245/2.1265			2.2528/2.2542	1.0100
NOTE: Position Number 1								
Piston Pin Bushing(6)	C-1	223-3644	STD			0.0690	1.6924/1.6934	1.5100
NOTE: Requires Boring								



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
44 (Cont.)	359 CID (5.9L) ETA Cummins Turbocharged Diesel 6 Cyl (1989-1993)			4.016in./102mm x 4.724in./120mm				44 (Cont.)
	359 CID (5.9L) ETB Cummins Turbocharged/Intercooled Diesel 6 Cyl (1990-1998)			4.016in./102mm x 4.724in./120mm				
Rod Forging	3901085, 3901566							
C/S Forging	3907804							
Connecting Rod	Step A 26 Lbs.Ft.; Step B 51 Lbs.Ft.; Step C 73 Lbs.Ft.							
Main Bearing	Step A 44 Lbs.Ft.; Step B 88 Lbs.Ft.; Step C 129 Lbs.Ft.							
45	359 CID (5.9L) ETC 24 Valves Cummins Turbocharged/Intercooled Diesel 6 Cyl (1998-2002)			4.016in./102mm x 4.724in./120mm				45
	359 CID (5.9L) ETH 24 Valves Cummins Turbocharged/Intercooled Diesel 6 Cyl (2001-2002)			4.016in./102mm x 4.724in./120mm				
Rod Bearing(6)	TM-112	CB-1413P	STD,.25mm,.50mm,.75mm	2.7160/2.7170	0.0015/0.0045	0.0775	2.8735/2.8745	1.2250
Rod Bearing(6)		CB-1846P-.25mm	.50mm	2.7160/2.7170	0.0015/0.0045	0.0874	2.8835/2.8845	1.2250
NOTE: Connecting Rods With Housing Bore Resized .010" Larger Than Stock								
Main Bearing Set	TM-112	MS-1717P	STD,.25mm,.50mm,.75mm					
1-2-3-4-5-7		MB-3110P		3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.1430
6		MB-3109P(F)		3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.4700
Cam Bearing Set	C-1	SH-1981	STD	2.1255/2.1265		0.1010	2.3315/2.3330	1.0100
		SH1981		2.1255/2.1265		0.1010	2.3315/2.3330	1.0100
NOTE: 1998-2005, Position Number 1								
8 CYL								
46	241 CID (3.9L) Hemispherical V8 Cyl (1954)			3.438in./87.3mm x 3.250in./82.6mm				46
	241 CID (3.9L) Ind 18, Ind 18A V8 Cyl			3.438in./87.3mm x 3.250in./82.6mm				
	259 CID (4.2L) Dodge V8 Cyl (1955-1956)			3.563in./90.5mm x 3.250in./82.6mm				
	259 CID (4.2L) Ind 52 V8 Cyl			3.563in./90.5mm x 3.250in./82.6mm				
	270 CID (4.4L) Hemispherical V8 Cyl (1955)			3.625in./92.1mm x 3.250in./82.6mm				
	270 CID (4.4L) OHV V8 Cyl (1955-1956)			3.625in./92.1mm x 3.250in./82.6mm				
	270 CID (4.4L) OHV Dodge V8 Cyl (1955-1956)			3.625in./92.1mm x 3.250in./82.6mm				
Piston Pin Bushing(8)	B	223-3474	STD			0.0320	0.9065/0.9105	1.1250
NOTE: Requires Light Reaming								
Rod Forging	1328783							
C/S Forging	1402538, 1402625, 1483338, 1671108, 1731658, 1932610							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
47	273 CID (4.5L) OHV V8 Cyl (1964-1969)			3.625in./92.1mm x 3.313in./84.2mm				47
	277 CID (4.5L) OHV V8 Cyl (1956-1957)			3.750in./95.3mm x 3.125in./79.4mm				
	301 CID (4.9L) V8 Cyl (1956-1957)			3.910in./99.3mm x 3.125in./79.4mm				
	303 CID (5.0L) OHV V8 Cyl (1956)			3.813in./96.9mm x 3.313in./84.2mm				
	326 CID (5.3L) OHV V8 Cyl (1959)			3.953in./100.4mm x 3.313in./84.2mm				
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0007/0.0032	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-540P	STD,10,20,30,40					
1-2-4		MB-2035P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
3		MB-2036P(F)		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.1520
5		MB-2559P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.3270
Cam Bearing Set	B-1	SH-875S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-326		1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700
3		SH-327		1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570
4		SH-328		1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
Piston Pin Bushing(8)	B	223-3484	STD			0.0320	1.0370/1.0390	1.1400
NOTE: Requires Light Reaming								
Piston Pin Bushing(8)	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400
NOTE: Requires Boring								



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
47 (Cont.)	273 CID (4.5L) OHV V8 Cyl (1964-1969)				3.625in./92.1mm x 3.313in./84.2mm			47 (Cont.)
	277 CID (4.5L) OHV V8 Cyl (1956-1957)				3.750in./95.3mm x 3.125in./79.4mm			
	301 CID (4.9L) V8 Cyl (1956-1957)				3.910in./99.3mm x 3.125in./79.4mm			
	303 CID (5.0L) OHV V8 Cyl (1956)				3.813in./96.9mm x 3.313in./84.2mm			
	326 CID (5.3L) OHV V8 Cyl (1959)				3.953in./100.4mm x 3.313in./84.2mm			
Rod Forging	699, 782, 1618699, 2406782							
C/S Forging	1626123, 1630270, 1630276, 1630937, 1632077, 1650270, 1732557, 1732559, 1732610, 1826123, 1826129, 1830276, 2128278, 2128869, 2205700, 2205702, 2258393, 2264182, 2465747, 2658268, 2658278, 2843868, 3482387, 3751841							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
48	287 CID (4.7L) EVD SOHC Flex V8 Cyl (2004-2006)				3.661in./93mm x 3.406in./86.5mm			48
	287 CID (4.7L) SOHC V8 Cyl (2000-2006)				3.661in./93mm x 3.406in./86.5mm			
Rod Bearing(8)	TM-77	CB-1784P	STD,.25mm,.50mm	2.0075/2.0082	0.0008/0.0025	0.0586	2.1257/2.1262	0.6547
Rod Bearing(8)	TM-77	CB-1804P-.25mm	.50mm	2.0075/2.0082	0.0004/0.0018	0.0596	2.1277/2.1282	0.6547
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1854P	STD,.25mm,.50mm	2.0075/2.0082	0.0008/0.0025	0.0586	2.1257/2.1262	0.6547
NOTE: Bearings Are Lug Less								
Rod Bearing(8)	TM-77	CB-1855P-.25mm	.50mm	2.0075/2.0082	0.0004/0.0018	0.0596	2.1277/2.1282	0.6547
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock, Bearings Are Lug Less								
Main Bearing Set 1-2-3-4-5	TM-77	MS-2216P MB-3771P	STD,.25mm,.50mm	2.4998/2.5002	0.0002/0.0013	0.0962	2.6927/2.6931	0.8120
NOTE: VIN N,P, Requires Thrust Washer Set, Not Included, Use With Part Number TW-608S								
Thrust Washer Set		TW-608S MB-3771W	STD					0.0980
NOTE: Contains 2 Piece Thrust Washer Set, Use In Number 3 Position, Use With Part Number MS-2216P								
Cam Bearing Set(2)	B-1	SH-2020S SH-2020	STD	1.0227/1.0235		0.4180	1.1080/1.1090	0.5900
NOTE: Contains 5 Upper Halves And 5 Lower Halves, Each Set Will Service One Cylinder Head,Notching Of The Head And Cap For Locating Lug Will Be Required, Housing Bores Will Need To Be Resized								
49	287 CID (4.7L) SOHC High Output V8 Cyl (2005-2006)				3.661in./93mm x 3.406in./86.5mm			49
Rod Bearing(8)	TM-77	CB-1784P	STD,.25mm,.50mm	2.0075/2.0082	0.0008/0.0025	0.0586	2.1257/2.1262	0.6547
Rod Bearing(8)	TM-77	CB-1804P-.25mm	.50mm	2.0075/2.0082	0.0004/0.0018	0.0596	2.1277/2.1282	0.6547
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1854P	STD,.25mm,.50mm	2.0075/2.0082	0.0008/0.0025	0.0586	2.1257/2.1262	0.6547
NOTE: 2005, Bearings Are Lug Less								
Rod Bearing(8)	TM-77	CB-1855P-.25mm	.50mm	2.0075/2.0082	0.0004/0.0018	0.0596	2.1277/2.1282	0.6547
NOTE: 2005, Connecting Rods With Housing Bore Resized .002" Larger Than Stock, Bearings Are Lug Less								
Main Bearing Set 1-2-3-4-5	TM-77	MS-2242P MB-3790P	STD,.25mm,.50mm	2.4998/2.5002	0.0002/0.0013	0.0962	2.6927/2.6931	0.8120
NOTE: 2005, VIN J, Requires Thrust Washer Set, Not Included, Use With Part Number TW-608S								
Thrust Washer Set		TW-608S MB-3771W	STD					0.0980
NOTE: 2005, Contains 2 Piece Thrust Washer Set, Use In Number 3 Position, Use With Part Number MS-2242P								
Cam Bearing Set(2)	B-1	SH-2020S SH-2020	STD	1.0227/1.0235		0.4180	1.1080/1.1090	0.5900
NOTE: Contains 5 Upper Halves And 5 Lower Halves, Each Set Will Service One Cylinder Head,Notching Of The Head And Cap For Locating Lug Will Be Required, Housing Bores Will Need To Be Resized								



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
50	301 CID (4.9L) V8 Cyl (1955)			3.625in./92.1mm x 3.625in./92.1mm				50
	331 CID (5.4L)Hemispherical V8 Cyl (1951-1956)			3.813in./96.9mm x 3.625in./92.1mm				
	331 CID (5.4L) Ind 20,Ind 24,Ind 24A V8 Cyl			3.813in./96.9mm x 3.625in./92.1mm				
	331 CID (5.4L) OHV V8 Cyl (1956)			3.813in./96.9mm x 3.625in./92.1mm				
	354 CID (5.8L)Hemispherical,OHV V8 Cyl (1956-1958)			3.938in./100mm x 3.625in./92.1mm				
Cam Bearing Set	B-1	SH-313S	STD					
1		SH-313		1.9980/1.9990	0.0005/0.0045	0.0650	2.1295/2.1305	0.9440
2-3-4		SH-314		1.9980/1.9990	0.0005/0.0045	0.0650	2.1295/2.1305	0.8190
5		SH-315		1.4355/1.4365	0.0005/0.0045	0.0650	1.5670/1.5680	0.8820
Rod Forging	1324222, 1821345, 1851535							
C/S Forging	1335001, 1409421, 1419421, 1491421, 1523335, 1617184, 1619647, 1635690							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
51	313 CID (5.1L) Dodge V8 Cyl (1958-1965)			3.875in./98.4mm x 3.313in./84.2mm				51
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0007/0.0032	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-540P	STD,10,20,30,40					
1-2-4		MB-2035P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
3		MB-2036P(F)		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.1520
5		MB-2559P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.3270
Cam Bearing Set	B-1	SH-875S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-326		1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700
3		SH-327		1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570
4		SH-328		1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
Rod Forging	699, 782, 1618699, 2406782							
C/S Forging	1626123, 1630270, 1630276, 1650270, 1732557, 1732559, 1732610, 1826123, 1826129, 1830276, 2128278, 2128869, 2205700, 2205702, 2258393, 2264182, 2465747, 2658268, 2658278, 2843868, 3482387, 3751841							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
52	315 CID (5.2L)Hemispherical V8 Cyl (1956)			3.625in./92.1mm x 3.800in./96.5mm				52
	325 CID (5.3L)Hemispherical V8 Cyl (1957-1958)			3.688in./93.7mm x 3.800in./96.5mm				
Rod Bearing(8)	TM-77	CB-482P	STD,10	2.2490/2.2500	0.0007/0.0032	0.0624	2.3750/2.3755	0.8160
Rod Forging	1630398, 1821345							
C/S Forging	1630432, 1635690, 1736044, 1739538							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
53	318 CID (5.2L) V8 Cyl (1957-2003)			3.910in./99.3mm x 3.313in./84.2mm				53
	318 CID (5.2L) H318,HA318,HB318,HC318,HT318,LH318,LT318 V8 Cyl			3.910in./99.3mm x 3.313in./84.2mm				
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0007/0.0032	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-540P	STD,10,20,30,40					
1-2-4		MB-2035P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
3		MB-2036P(F)		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.1520
5		MB-2559P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.3270
NOTE: Thru 1973								
Main Bearing Set	TM-77	MS-1344P	STD,10,20,30					
1-2-4		MB-2283P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
3		MB-2620P(F)		2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	1.1520
5		MB-2559P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.3270
NOTE: From 1974								
Cam Bearing Set	B-1	SH-875S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-326		1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700
3		SH-327		1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570
4		SH-328		1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
NOTE: Thru 1978								



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
53 (Cont.)	318 CID (5.2L) V8 Cyl (1957-2003)			3.910in./99.3mm x 3.313in./84.2mm				53 (Cont.)
	318 CID (5.2L) H318,HA318,HB318,HC318,HT318,LH318,LT318 V8 Cyl			3.910in./99.3mm x 3.313in./84.2mm				
Cam Bearing Set	B-1	SH-1112S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-1112		1.9820/1.9830	0.0015/0.0055	0.0645	2.1135/2.1145	0.6300
3		SH-1113		1.9670/1.9680	0.0015/0.0055	0.0645	2.0985/2.0995	0.6300
4		SH-1114		1.9510/1.9520	0.0015/0.0055	0.0645	2.0825/2.0835	0.6300
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
NOTE: From 1979								
Piston Pin Bushing(8)	B	223-3484	STD			0.0320	1.0370/1.0390	1.1400
NOTE: Requires Light Reaming								
Piston Pin Bushing(8)	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400
NOTE: Requires Boring								
Rod Forging	699, 782, 1618699, 2406782, 3418645							
C/S Forging	1626123, 1630270, 1630276, 1650270, 1732557, 1732559, 1732610, 1826123, 1826129, 1830276, 2128278, 2128869, 2205700, 2205702, 2258393, 2264182, 2465747, 2532457, 2558393, 2656278, 2658268, 2658278, 2658393, 2843868, 3462387, 3482387, 3751841							
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 85 Lbs.Ft.							
54	318 CID (5.2L) CNG V8 Cyl (1992-2003)			3.910in./99.3mm x 3.313in./84.2mm				54
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0007/0.0032	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-1344P	STD,10,20,30					
1-2-4		MB-2283P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
3		MB-2620P(F)		2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	1.1520
5		MB-2559P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.3270
Cam Bearing Set	B-1	SH-1112S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-1112		1.9820/1.9830	0.0015/0.0055	0.0645	2.1135/2.1145	0.6300
3		SH-1113		1.9670/1.9680	0.0015/0.0055	0.0645	2.0985/2.0995	0.6300
4		SH-1114		1.9510/1.9520	0.0015/0.0055	0.0645	2.0825/2.0835	0.6300
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
Piston Pin Bushing(8)	B	223-3484	STD			0.0320	1.0370/1.0390	1.1400
NOTE: Requires Light Reaming								
Piston Pin Bushing(8)	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400
NOTE: 1992-1998, Requires Boring								
Rod Forging	1618699, 2406782, 3418645							
C/S Forging	2532457, 2558393, 2656278, 2658393, 3462387, 3482387, 3751841							
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 85 Lbs.Ft.							
55	324 CID (5.3L) Ind 12,Ind 9 8 Cyl			3.250in./82.6mm x 4.875in./123.8mm				55
Piston Pin Bushing(8)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(8)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
56	324 CID (5.3L) L-Head 8 Cyl (1939-1950)			3.250in./82.6mm x 4.875in./123.8mm				56
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, .919" Outside Diameter								
57	340 CID (5.6L) OHV V8 Cyl (1968-1973)			4.040in./102.6mm x 3.313in./84.2mm				57
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0007/0.0032	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
57 (Cont.)	340 CID (5.6L) OHV V8 Cyl (1968-1973)			4.040in./102.6mm x 3.313in./84.2mm				57 (Cont.)
Main Bearing Set 1-2-4 3 5	TM-77	MS-963P MB-2283P MB-2036P(F) MB-2559P	STD,10,20,30	2.4995/2.5005 2.4995/2.5005 2.4995/2.5005	0.0005/0.0026 0.0005/0.0026 0.0005/0.0026	0.0959 0.0959 0.0959	2.6925/2.6930 2.6925/2.6930 2.6925/2.6930	0.8770 1.1520 1.3270
Cam Bearing Set 1 2 3 4 5	B-1	SH-875S SH-875 SH-326 SH-327 SH-328 SH-329	STD	1.9980/1.9990 1.9820/1.9830 1.9670/1.9680 1.9510/1.9520 1.5605/1.5615	0.0015/0.0055 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045	0.0645 0.0650 0.0650 0.0650 0.0650	2.1295/2.1305 2.1135/2.1145 2.0985/2.0995 2.0825/2.0835 1.6920/1.6930	0.9000 0.7700 0.7570 0.7700 0.9500
Piston Pin Bushing(8) NOTE: Requires Light Reaming	B	223-3484	STD			0.0320	1.0370/1.0390	1.1400
Piston Pin Bushing(8) NOTE: Requires Boring	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400
Rod Forging C/S Forging	2899496, 3418645 2205700, 2205702, 2532457, 3462387							
Connecting Rod Main Bearing	45 Lbs.Ft. 85 Lbs.Ft.							
58	345 CID (5.7L) EZA V8 Cyl (2003-2005) 345 CID (5.7L) EZB V8 Cyl (2005) 370 CID (6.1L) ESF V8 Cyl (2006-2007)			3.917in./99.5mm x 3.580in./90.9mm 3.917in./99.5mm x 3.580in./90.9mm 4.055in./103mm x 3.580in./90.9mm				58
Rod Bearing(8)	TM-77	CB-1808P	STD,.25mm,.50mm	2.1257/2.1263	0.0008/0.0029	0.0626	2.2522/2.2527	0.7910
Rod Bearing(8) NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1809P-.25mm	.50mm	2.1257/2.1263	0.0008/0.0029	0.0636	2.2542/2.2547	0.7910
Main Bearing Set 1-2-3-4-5 NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-611S	TM-77	MS-2220P MB-3780P	STD,.25mm,.50mm	2.5589/2.5592	0.0005/0.0023	0.0962	2.7517/2.7522	0.8510
Thrust Washer Set NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-2220P		TW-611S MB-3780W	STD	2.8600/2.8800			3.6760	0.1018
Cam Bearing Set 1 2 3 4 5		SH-1990S SH-1990 SH-1991 SH-1992 SH-1993 SH-1994	STD	2.2906/2.2913 2.2748/2.2756 2.2591/2.2598 2.2433/2.2441 1.7170/1.7178	0.0013/0.0050 0.0012/0.0050 0.0013/0.0050 0.0012/0.0050 0.0016/0.0054	0.0650 0.0650 0.0650 0.0650 0.0650	2.4226/2.4236 2.4068/2.4078 2.3911/2.3921 2.3753/2.3763 1.8494/1.8504	0.6830 0.6040 0.6040 0.6040 0.6040
59	350 CID (5.7L) OHV V8 Cyl (1958) 361 CID (5.9L) H361,HB361,HC361,HT361 V8 Cyl 361 CID (5.9L) OHV V8 Cyl (1958-1977) 383 CID (6.3L) LPG V8 Cyl (1959-1971) 383 CID (6.3L) H383,HA383,HB383 V8 Cyl 383 CID (6.3L) OHV V8 Cyl (1959-1971) 400 CID (6.6L) H400 V8 Cyl 400 CID (6.6L) OHV V8 Cyl (1972-1980)			4.063in./103.2mm x 3.375in./85.7mm 4.125in./104.8mm x 3.375in./85.7mm 4.125in./104.8mm x 3.375in./85.7mm 4.250in./108mm x 3.375in./85.7mm 4.250in./108mm x 3.375in./85.7mm 4.250in./108mm x 3.375in./85.7mm 4.342in./110.3mm x 3.375in./85.7mm 4.342in./110.3mm x 3.375in./85.7mm				59
Rod Bearing(8)	TM-77	CB-527P	STD,1,10,20,30,40,C50,C60	2.3740/2.3750	0.0009/0.0034	0.0623	2.5000/2.5005	0.9120
Main Bearing Set 1-2-4-5 3 NOTE: Engines With 3.430"/3.500" Main Bearing Flange Outside Diameter, .060" Undersize Set Contains .010" Oversize Length Flanged Bearing,Contains Full Grooved Bearings	TM-77	MS-876P MB-2065P MB-2456P(F)	STD,10,20,30,40,C60	2.6245/2.6255 2.6245/2.6255	0.0011/0.0036 0.0011/0.0036	0.0956 0.0956	2.8175/2.8180 2.8175/2.8180	0.9490 1.2240
Cam Bearing Set 1 2 3 4 5	B-1	SH-876S SH-876 SH-403 SH-404 SH-405 SH-406	STD	1.9980/1.9990 1.9820/1.9830 1.9670/1.9680 1.9510/1.9520 1.7480/1.7490	0.0025/0.0065 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045	0.0640 0.0645 0.0645 0.0645 0.0645	2.1295/2.1305 2.1135/2.1145 2.0985/2.0995 2.0825/2.0835 1.8795/1.8805	0.7600 0.7600 0.6800 0.7600 0.7600



CHRYSLER (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
59 (Cont.)	350 CID (5.7L) OHV V8 Cyl (1958)				4.063in./103.2mm x 3.375in./85.7mm				59 (Cont.)
	361 CID (5.9L) H361,HB361,HC361,HT361 V8 Cyl				4.125in./104.8mm x 3.375in./85.7mm				
	361 CID (5.9L) OHV V8 Cyl (1958-1977)				4.125in./104.8mm x 3.375in./85.7mm				
	383 CID (6.3L) LPG V8 Cyl (1959-1971)				4.250in./108mm x 3.375in./85.7mm				
	383 CID (6.3L) H383,HA383,HB383 V8 Cyl				4.250in./108mm x 3.375in./85.7mm				
	383 CID (6.3L) OHV V8 Cyl (1959-1971)				4.250in./108mm x 3.375in./85.7mm				
	400 CID (6.6L) H400 V8 Cyl				4.342in./110.3mm x 3.375in./85.7mm				
	400 CID (6.6L) OHV V8 Cyl (1972-1980)				4.342in./110.3mm x 3.375in./85.7mm				
Rod Forging	1618699, 1737692, 1851535, 2406395, 2406782, 2406886, 2951908								
C/S Forging	3294, 1737641, 1737642, 1821436, 1851436, 1851527, 1855127, 1978698, 2203155, 2203157, 2206157, 2206158, 2206159, 2206160, 2482923, 3462923, 3698641, 3751877, 3751888, 4027172, 4027175, 8698461, 3751888-5								
Connecting Rod	45 Lbs.Ft.								
Main Bearing	85 Lbs.Ft.								
60	360 CID (5.9L) V8 Cyl (1971-2003)				4.000in./101.6mm x 3.578in./90.8mm				60
	360 CID (5.9L) LPG V8 Cyl (1971-1993)				4.000in./101.6mm x 3.578in./90.8mm				
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480	
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0007/0.0032	0.0634	2.2520/2.2525	0.8480	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	TM-77	MS-1051P	STD,10,20,30						
1-2-4		MB-2590P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	0.8770	
3		MB-2591P(F)		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.1520	
5		MB-2592P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.2590	
NOTE: 1971-1973									
Main Bearing Set	TM-77	MS-1266P	STD,10,20,30						
1-2-4		MB-2622P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	0.8770	
3		MB-2623P(F)		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.1520	
5		MB-2624P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.2590	
NOTE: 1974-2003									
Cam Bearing Set	B-1	SH-875S	STD						
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000	
2		SH-326		1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700	
3		SH-327		1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570	
4		SH-328		1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700	
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500	
NOTE: 1971-1978									
Cam Bearing Set	B-1	SH-1112S	STD						
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000	
2		SH-1112		1.9820/1.9830	0.0015/0.0055	0.0645	2.1135/2.1145	0.6300	
3		SH-1113		1.9670/1.9680	0.0015/0.0055	0.0645	2.0985/2.0995	0.6300	
4		SH-1114		1.9510/1.9520	0.0015/0.0055	0.0645	2.0825/2.0835	0.6300	
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500	
NOTE: 1979-2003									
C/S Forging	3418640, 3418995, 4027169, 3418840-2								
Connecting Rod	45 Lbs.Ft.								
Main Bearing	85 Lbs.Ft.								
61	383 CID (6.3L) OHV V8 Cyl (1959-1960)				4.031in./102.4mm x 3.750in./95.3mm				61
	426 CID (7.0L) Wedge V8 Cyl (1963-1965)				4.250in./108mm x 3.750in./95.3mm				
Rod Bearing(8)	TM-77	CB-527P	STD,1,10,20,30,40,C50,C60	2.3740/2.3750	0.0009/0.0034	0.0623	2.5000/2.5005	0.9120	
Main Bearing Set	B-2	MS-481M	STD,10,20						
1-2-4-5		MB-1883M		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	0.9490	
3		MB-1884M(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.2240	
NOTE: Partial Grooved Main Bearings									
Main Bearing Set	TM-77	MS-877P	STD,10,20,30						
1-2-4-5		MB-2067P		2.7495/2.7505	0.0008/0.0033	0.0956	2.9425/2.9430	0.9490	
3		MB-2457P(F)		2.7495/2.7505	0.0011/0.0036	0.0956	2.9425/2.9430	1.2240	
NOTE: Full Grooved Main Bearings									
Cam Bearing Set	B-1	SH-876S	STD						
1		SH-876		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.7600	
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600	
3		SH-404		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.6800	
4		SH-405		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600	
5		SH-406		1.7480/1.7490	0.0005/0.0045	0.0645	1.8795/1.8805	0.7600	



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
61 (Cont.)	383 CID (6.3L) OHV V8 Cyl (1959-1960)			4.031in./102.4mm x 3.750in./95.3mm				61 (Cont.)
	426 CID (7.0L) Wedge V8 Cyl (1963-1965)			4.250in./108mm x 3.750in./95.3mm				
Rod Forging	1851535, 2406395, 2406886, 2951908							
C/S Forging	3294, 1737642, 1821436, 1851436, 1851527, 1855127, 1978698, 2206157, 2206158, 2206160, 3698641, 3751888, 4027175, 8698461, 3751888-5							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
62	392 CID (6.4L) Hemispherical V8 Cyl (1957-1958)			4.000in./101.6mm x 3.906in./99.2mm				62
Rod Bearing(8)	B-2	CB-1213M	STD,10	2.3740/2.3750	0.0007/0.0028	0.0624	2.5000/2.5005	0.8570
Main Bearing Set	B-2	MS-426M	STD					
1-2-4		MB-1802M		2.6870/2.6880	0.0005/0.0026	0.0959	2.8800/2.8805	0.9100
3		MB-1803M(F)		2.6870/2.6880	0.0005/0.0026	0.0959	2.8800/2.8805	1.2020
5		MB-1804M		2.6870/2.6880	0.0005/0.0026	0.0959	2.8800/2.8805	1.6300
Cam Bearing Set	B-1	SH-313S	STD					
1		SH-313		1.9980/1.9990	0.0005/0.0045	0.0650	2.1295/2.1305	0.9440
2-3-4		SH-314		1.9980/1.9990	0.0005/0.0045	0.0650	2.1295/2.1305	0.8190
5		SH-315		1.4355/1.4365	0.0005/0.0045	0.0650	1.5670/1.5680	0.8820
Rod Forging	1673758							
C/S Forging	1673755							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	85 To 90 Lbs.Ft.							
63	413 CID (6.8L) H413,HB413,HC413,HT413 V8 Cyl			4.188in./106.4mm x 3.750in./95.3mm				63
	413 CID (6.8L) H413,HB413 LPG V8 Cyl			4.188in./106.4mm x 3.750in./95.3mm				
	413 CID (6.8L) OHV V8 Cyl (1959-1977)			4.188in./106.4mm x 3.750in./95.3mm				
	440 CID (7.2L) H440 V8 Cyl			4.320in./109.7mm x 3.750in./95.3mm				
	440 CID (7.2L) OHV V8 Cyl (1966-1980)			4.320in./109.7mm x 3.750in./95.3mm				
Rod Bearing(8)	TM-77	CB-527P	STD,1,10,20,30,40,C50,C60	2.3740/2.3750	0.0009/0.0034	0.0623	2.5000/2.5005	0.9120
Main Bearing Set	B-2	MS-481M	STD,10,20					
1-2-4-5		MB-1883M		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	0.9490
3		MB-1884M(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.2240
NOTE: Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter, Partial Grooved Main Bearings								
Main Bearing Set	TM-77	MS-877P	STD,10,20,30					
1-2-4-5		MB-2067P		2.7495/2.7505	0.0008/0.0033	0.0956	2.9425/2.9430	0.9490
3		MB-2457P(F)		2.7495/2.7505	0.0011/0.0036	0.0956	2.9425/2.9430	1.2240
NOTE: Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter, Full Grooved Main Bearings								
Main Bearing Set	TM-77	MS-1277P	STD,10,20,30					
1-2-4-5		MB-2067P		2.7495/2.7505	0.0008/0.0033	0.0956	2.9425/2.9430	0.9490
3		MB-2625P(F)		2.7495/2.7505	0.0011/0.0036	0.0959	2.9425/2.9430	1.2240
NOTE: Except Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter								
Cam Bearing Set	B-1	SH-876S	STD					
1		SH-876		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.7600
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-404		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.6800
4		SH-405		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
5		SH-406		1.7480/1.7490	0.0005/0.0045	0.0645	1.8795/1.8805	0.7600
Rod Forging	1851535, 2406395, 2406886, 2951908							
C/S Forging	3294, 1737642, 1821436, 1851436, 1851527, 1855127, 1978698, 2206157, 2206158, 2206160, 3698641, 3751888, 4027175, 8698461, 3751888-5							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
64	426 CID (7.0L) Hemispherical V8 Cyl (1964-1971)			4.250in./108mm x 3.750in./95.3mm				64
	426 CID (7.0L) Hemispherical LPG V8 Cyl (1966-1971)			4.250in./108mm x 3.750in./95.3mm				
Rod Bearing(8)	TM-77	CB-527P	STD,1,10,20,30,40,C50,C60	2.3740/2.3750	0.0009/0.0034	0.0623	2.5000/2.5005	0.9120
Main Bearing Set	TM-77	MS-896P	STD,10					
1-2-4-5		MB-2219P		2.7495/2.7505	0.0011/0.0036	0.0956	2.9425/2.9430	0.9490
3		MB-2495P(F)		2.7495/2.7505	0.0011/0.0036	0.0956	2.9425/2.9430	1.2240



CHRYSLER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
64 (Cont.)	426 CID (7.0L) Hemispherical V8 Cyl (1964-1971)				4.250in./108mm x 3.750in./95.3mm			64 (Cont.)
	426 CID (7.0L) Hemispherical LPG V8 Cyl (1966-1971)				4.250in./108mm x 3.750in./95.3mm			
Cam Bearing Set	B-1	SH-876S	STD					
1		SH-876		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.7600
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-404		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.6800
4		SH-405		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
5		SH-406		1.7480/1.7490	0.0005/0.0045	0.0645	1.8795/1.8805	0.7600
Rod Forging	1851535, 2406395, 2406886, 2468000							
C/S Forging	1851527, 1855127, 2006157, 2206158, 2206160, 2463548, 2780513, 2780533, 8698461							
Connecting Rod	75 Lbs.Ft.							
Main Bearing	100 Lbs.Ft.							
10 CYL								
65	488 CID (8.0L) Aluminum Block V10 Cyl (1994-2002)				4.000in./101.6mm x 3.882in./98.6mm			65
Rod Bearing(10)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(10)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0007/0.0032	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
66	488 CID (8.0L) Iron Block Dodge V10 Cyl (1994-2003)				4.000in./101.6mm x 3.882in./98.6mm			66
Rod Bearing(10)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(10)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0007/0.0032	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-2200P	STD,10,20,30					
1-6		MB-3506P		2.9995/3.0005	0.0002/0.0023	0.0959	3.1925/3.1930	1.0000
2-4-5		MB-3507P		2.9995/3.0005	0.0002/0.0023	0.0959	3.1925/3.1930	0.9600
3		MB-3508P(F)		2.9995/3.0005	0.0002/0.0023	0.0959	3.1925/3.1930	1.0860
Cam Bearing Set	C-1	SH-1818S	STD					
1		SH-1822		2.0910/2.0920	0.0010/0.0045	0.0650	2.2220/2.2235	0.8900
2		SH-1818		2.0740/2.0750	0.0010/0.0045	0.0650	2.2060/2.2075	0.6300
3		SH-1823		2.0590/2.0600	0.0010/0.0045	0.0650	2.1900/2.1915	0.6300
4		SH-1821		2.0430/2.0440	0.0010/0.0045	0.0650	2.1740/2.1755	0.6300
5		SH-1819		2.0270/2.0280	0.0010/0.0045	0.0650	2.1580/2.1595	0.6300
6		SH-1820		1.9170/1.9180	0.0010/0.0045	0.0650	2.0480/2.0495	0.8900
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
CLARK								
ENGINE DATA								
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block	
3 CYL				6 CYL (Cont.)				
3-53 Detroit Diesel 159 CID (2.6L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm		1	F209 Continental 209 CID (3.4L)	3.188in./80.98mmX4.375in./111.1mm		6	
				F226 Continental 226 CID (3.7L) Flex	3.313in./84.1mmX4.375in./111.1mm		8	
				JXD Hercules 320 CID (5.2L)	4.000in./101.6mmX4.250in./108mm		10	
				JXLD Hercules 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm		10	
				QXLD3 Hercules 237 CID (3.9L)	3.438in./87.33mmX4.250in./108mm		9	
4 CYL				8 CYL				
4-53 Detroit Diesel 212 CID (3.5L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm		5	8V-71 Detroit Diesel 568 CID (9.3L) Diesel	4.250in./108mmX5.000in./127mm		11	
F4162 Continental 162 CID (2.7L)	3.438in./87.33mmX4.375in./111.1mm		4					
Y69 Continental 69 CID (1.1L)	2.500in./63.5mmX3.500in./88.9mm		2					
Y91 Continental 91 CID (1.5L)	2.875in./73mmX3.500in./88.9mm		2					
Y112 Continental 112 CID (1.8L)	3.187in./80.95mmX3.500in./88.9mm		3					
6 CYL								
5/5A/6/6A/30/31 Chrysler 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm		7					
MODEL DATA								
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block	
24 Rosscarrier Base Model	Fork Lift	237 CID (3.9L) QXLD3 Hercules	9	Base Model	Fork Lift	159 CID (2.6L) 3-53 Detroit Diesel Diesel	1	
Base Model	Fork Lift	69 CID (1.1L) Y69 Continental	2	Base Model	Fork Lift	162 CID (2.7L) F4162 Continental	4	



CLARK (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
Base Model	Fork Lift	209 CID (3.4L) F209 Continental	6	CT30 Base Model	Fork Lift	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler	7
Base Model	Fork Lift	212 CID (3.5L) 4-53 Detroit Diesel Diesel	5	CT40 Base Model	Fork Lift	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler	7
Base Model	Fork Lift	226 CID (3.7L) F226 Continental	8	CT46 Base Model	Fork Lift	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler	7
Base Model	Fork Lift	320 CID (5.2L) JXD Hercules	10	Clarkat CK26	Fork Lift	112 CID (1.8L) Y112 Continental	3
Base Model	Fork Lift	339 CID (5.6L) JXLD Hercules	10	Clipper and C Base Model	Fork Lift	112 CID (1.8L) Y112 Continental	3
Base Model	Fork Lift	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	11	Trucktractor Dump-Tip 40	Fork Lift	112 CID (1.8L) Y112 Continental	3
CE2024 Base Model	Fork Lift	91 CID (1.5L) Y91 Continental	2	Y150 Base Model	Fork Lift	237 CID (3.9L) QXLD3 Hercules	9
CT21 Base Model	Fork Lift	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler	7	Yardlift Y20	Fork Lift	91 CID (1.5L) Y91 Continental	2

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
9300	4.375in./111.1mm	7	868896	4.375in./111.1mm	7	D600D-500	4.375in./111.1mm	6	F600D-500	4.375in./111.1mm	6
9410	4.375in./111.1mm	7	952118	4.375in./111.1mm	7	F218D-3020	4.375in./111.1mm	4	F600D-502	4.375in./111.1mm	6
40090C	4.250in./108mm	10	954371	4.375in./111.1mm	7	F218D-3022	4.375in./111.1mm	6	Y400D-400	3.500in./88.9mm	3
40090C	4.500in./114.3mm	10	954408	4.375in./111.1mm	7	F218D-3032	4.375in./111.1mm	6	Y400D-400	3.500in./88.9mm	2
40390C	4.250in./108mm	10	1554471	4.375in./111.1mm	7	F400D-500	4.375in./111.1mm	4	Y400D-401	3.500in./88.9mm	3
40390C	4.500in./114.3mm	10	1554530	4.375in./111.1mm	7	F400D-502	4.375in./111.1mm	4	Y400D-402	3.500in./88.9mm	3
43102C	4.250in./108mm	10	5121248	4.500in./114.3mm	1	F400D-502	4.375in./111.1mm	6	Y400D-403	3.500in./88.9mm	3
43102C	4.500in./114.3mm	10	5121248	4.500in./114.3mm	5	F600D-310	4.375in./111.1mm	8			
44119C	4.500in./114.3mm	10	5135051	5.000in./127mm	11	F600D-402	4.375in./111.1mm	8			
617925	4.375in./111.1mm	7	5144384	5.000in./127mm	11	F600D-405	4.375in./111.1mm	8			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
400C-209	4.375in./111.1mm	4	46024E	4.250in./108mm	10	5181377	4.500in./114.3mm	5	F600C-344	4.375in./111.1mm	8
400C-213	3.500in./88.9mm	3	50024E	4.250in./108mm	10	6116028	4.500in./114.3mm	1	F600C-368	4.375in./111.1mm	8
400C-226	3.500in./88.9mm	3	140025D	4.250in./108mm	10	7325596	4.375in./111.1mm	6	F600C-500A	4.375in./111.1mm	8
400C-500	4.375in./111.1mm	4	140025D	4.500in./114.3mm	10	B600C-601	4.375in./111.1mm	6	F600C-502	4.375in./111.1mm	8
40091E	4.250in./108mm	10	140026D	4.250in./108mm	10	C-5145	4.250in./108mm	10	F600C-502A	4.375in./111.1mm	8
40094D	4.250in./108mm	10	155025E	4.250in./108mm	10	D186C-300	4.375in./111.1mm	6	F600C-504	4.375in./111.1mm	8
40094E	4.250in./108mm	10	209229	4.375in./111.1mm	6	D600C-218	4.375in./111.1mm	6	F600C-506A	4.375in./111.1mm	8
40950E	4.250in./108mm	10	220426C	4.500in./114.3mm	10	D600C-368	4.375in./111.1mm	6	F600C-536	4.375in./111.1mm	8
40991E	4.250in./108mm	10	511706	5.000in./127mm	11	D600C-601	4.375in./111.1mm	6	F600C-601	4.375in./111.1mm	8
42947E	4.500in./114.3mm	10	620035	4.375in./111.1mm	7	D600C-602	4.375in./111.1mm	6	F600C-606A	4.375in./111.1mm	8
42974E	4.500in./114.3mm	10	732596	4.375in./111.1mm	6	D600C-603	4.375in./111.1mm	6	F600C-606C	4.375in./111.1mm	8
42979E	4.250in./108mm	10	733536	4.375in./111.1mm	6	F140C-303	4.375in./111.1mm	4	Y112C-300	3.500in./88.9mm	3
43526D	4.500in./114.3mm	10	733863	4.375in./111.1mm	6	F162C-319	4.375in./111.1mm	4	Y400C-213	3.500in./88.9mm	3
43526E	4.250in./108mm	10	734452	4.375in./111.1mm	6	F186C-300	4.375in./111.1mm	6	Y400C-216	3.500in./88.9mm	3
43528B	4.500in./114.3mm	10	734542	4.375in./111.1mm	6	F400C-209	4.375in./111.1mm	4	Y400C-225	3.500in./88.9mm	3
43528E	4.500in./114.3mm	10	856080	4.375in./111.1mm	7	F400C-209	4.375in./111.1mm	6	Y400C-225	3.500in./88.9mm	2
43531E	4.250in./108mm	10	864719	4.375in./111.1mm	7	F400C-222	4.375in./111.1mm	4	Y400C-226	3.500in./88.9mm	3
43532	4.250in./108mm	10	928928	4.375in./111.1mm	6	F400C-228	4.375in./111.1mm	4	Y400C-334	3.500in./88.9mm	2
44025E	4.250in./108mm	10	952068	4.375in./111.1mm	7	F400C-314	4.375in./111.1mm	4	Y400C-335	3.500in./88.9mm	2
45853D	4.250in./108mm	10	1316540	4.375in./111.1mm	7	F400C-321	4.375in./111.1mm	4	Y400C-338	3.500in./88.9mm	2
45853E	4.250in./108mm	10	5103281	5.000in./127mm	11	F400C-324	4.375in./111.1mm	4	Y400C-508	3.500in./88.9mm	3
45855E	4.250in./108mm	10	5103318	4.500in./114.3mm	5	F400C-359	4.375in./111.1mm	4	Y400C-508	3.500in./88.9mm	2
45857E	4.250in./108mm	10	5116022	4.500in./114.3mm	1	F400C-368	4.375in./111.1mm	4	Y400C-511	3.500in./88.9mm	3
45859B	4.250in./108mm	10	5116022	4.500in./114.3mm	5	F400C-500	4.375in./111.1mm	4	Y400C-511D	3.500in./88.9mm	2
45859D	4.250in./108mm	10	5116029	4.500in./114.3mm	1	F400C-501	4.375in./111.1mm	4			
45859E	4.250in./108mm	10	5116029	4.500in./114.3mm	5	F400C-503	4.375in./111.1mm	4			
45868G	4.250in./108mm	10	5144867	5.000in./127mm	11	F600C-217	4.375in./111.1mm	8			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL								
1	159 CID (2.6L) 3-53 Detroit Diesel Supercharged Diesel 3 Cyl			3.875in./98.4mm x 4.500in./114.3mm				1
Rod Bearing(3)	TM-112	CB-1265P	STD,10,20,30,40	2.4990/2.5000	0.0020/0.0050	0.1250	2.7515/2.7525	1.3200
Main Bearing(4)	TM-112	MB-1897P	STD,10,20,30	2.9990/3.0000	0.0013/0.0043	0.1250	3.2510/3.2520	1.1850



CLARK (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL (Cont.)								
1 (Cont.)	159 CID (2.6L) 3-53 Detroit Diesel Supercharged Diesel 3 Cyl			3.875in./98.4mm x 4.500in./114.3mm				1 (Cont.)
Thrust Washer Set		TW-412S MB-2522W	STD	3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MB-1897P								
Cam Bearing Set	C-1	SH-699S	STD					
1-3		SH-686		2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100
2		SH-687		2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings								
Piston Pin Bushing(3)	C-1	223-3622	STD			0.1225	1.6005/1.6010	0.7550
NOTE: Requires Boring								
Rod Forging	5121248							
C/S Forging	5116022, 5116029, 6116028							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	120 To 130 Lbs.Ft.							
4 CYL								
2	69 CID (1.1L) Y69 Continental 4 Cyl			2.500in./63.5mm x 3.500in./88.9mm				2
	91 CID (1.5L) Y91 Continental 4 Cyl			2.875in./73mm x 3.500in./88.9mm				
Rod Bearing(2)	TM-112	CB-278P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050
NOTE: Positions 1 And 3								
Rod Bearing(2)	TM-112	CB-279P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050
NOTE: Positions 2 And 4								
Main Bearing Set	TM-77	MS-1627P	STD,10,30					
1		MB-2982P(F)		1.7475/1.7485	0.0005/0.0023	0.0623	1.8740/1.8747	1.3930
2		MB-1651P		1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470
3		MB-1652P		1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470
NOTE: Contains Half Flanged Bearing								
Thrust Washer Set		TW-143S MB-1653W	STD	1.7812			2.6250	0.0950
NOTE: Contains 2 Pieces, Position Number 1								
Cam Bearing Set	AL-3	SH-191S	STD					
1		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3503	STD			0.0320	0.7622/0.7632	1.0630
NOTE: Requires Light Reaming								
Rod Forging	Y400D-400							
C/S Forging	Y400C-225, Y400C-334, Y400C-335, Y400C-338, Y400C-508, Y400C-511D							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
3	112 CID (1.8L) Y112 Continental 4 Cyl			3.187in./80.95mm x 3.500in./88.9mm				3
Rod Bearing(2)	TM-112	CB-278P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050
NOTE: Positions 1 And 3								
Rod Bearing(2)	TM-112	CB-279P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050
NOTE: Positions 2 And 4								
Thrust Washer Set		TW-143S MB-1653W	STD	1.7812			2.6250	0.0950
NOTE: Contains 1 Piece, Position Number 1								
Cam Bearing Set	AL-3	SH-191S	STD					
1		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3503	STD			0.0320	0.7622/0.7632	1.0630
NOTE: Requires Light Reaming								
Rod Forging	Y400D-400, Y400D-401, Y400D-402, Y400D-403							
C/S Forging	400C-213, 400C-226, Y112C-300, Y400C-213, Y400C-216, Y400C-225, Y400C-226, Y400C-508, Y400C-511							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							



CLARK (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
4	162 CID (2.7L) F4162 Continental 4 Cyl			3.438in./87.33mm x 4.375in./111.1mm				4
Rod Bearing(2) NOTE: Positions 2 And 4	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
Rod Bearing(2) NOTE: Positions 1 And 3	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
Main Bearing Set 1 2 3 NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings	TM-77	MS-176P-10 MB-1403P MB-1406P MB-1405P	20	2.2490/2.2500 2.2490/2.2500 2.2490/2.2500	0.0005/0.0027 0.0005/0.0027 0.0001/0.0028	0.0932 0.0932 0.0932	2.4365/2.4372 2.4365/2.4372 2.4365/2.4372	1.1300 1.6300 1.6300
Thrust Washer Set(2) NOTE: Contains 1 Piece, Position Number 1, Use With Part Number MS-176P-10		TW-424S MB-1403W	STD	2.2812			3.0625	0.0960
Cam Bearing Set 1 2 3	AL-3	SH-56S SH-1211 SH-56 SH-57	STD	1.8715/1.8725 1.7457/1.7465 1.2465/1.2475	0.0020/0.0050 0.0024/0.0057 0.0010/0.0050	0.0628 0.0628 0.0628	1.9995/2.0000 1.8745/1.8750 1.3745/1.3750	0.8850 1.6350 1.1660
Piston Pin Bushing(4) NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
Piston Pin Bushing(4) NOTE: Requires Light Reaming, 1.066" Outside Diameter	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
Rod Forging C/S Forging	F400D-500, F400D-502, F218D-3020 400C-209, 400C-500, F140C-303, F162C-319, F400C-209, F400C-222, F400C-228, F400C-314, F400C-321, F400C-324, F400C-359, F400C-368, F400C-500, F400C-501, F400C-503							
Connecting Rod Main Bearing	20 To 25 Lbs.Ft. 35 To 40 Lbs.Ft.							
5	212 CID (3.5L) 4-53 Detroit Diesel Supercharged Diesel 4 Cyl			3.875in./98.4mm x 4.500in./114.3mm				5
Rod Bearing(4)	TM-112	CB-1265P	STD,10,20,30,40	2.4990/2.5000	0.0020/0.0050	0.1250	2.7515/2.7525	1.3200
Main Bearing Set 1-2-3-4-5 5 NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position	TM-112	MS-502P MB-1897P MB-2522W	STD,10,20,30	2.9990/3.0000 3.3380/3.3480	0.0013/0.0043	0.1250	3.2510/3.2520 4.2700/4.2800	1.1850 0.1220
Thrust Washer Set NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-502P		TW-412S MB-2522W	STD	3.3380/3.3480			4.2700/4.2800	0.1220
Cam Bearing Set 1-5 2-4 3 NOTE: Contains Camshaft And Balance Shaft Bearings	C-1	SH-700S SH-686 SH-687 SH-688	STD	2.1820/2.1825 2.1820/2.1825 2.1820/2.1825	0.0039/0.0065 0.0040/0.0065 0.0039/0.0065	0.0943 0.0893 0.0843	2.3750/2.3760 2.3650/2.3660 2.3550/2.3560	1.5100 1.5100 1.5100
Piston Pin Bushing(4) NOTE: Requires Boring	C-1	223-3622	STD			0.1225	1.6005/1.6010	0.7550
Rod Forging C/S Forging	5121248 5103318, 5116022, 5116029, 5181377							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 120 To 130 Lbs.Ft.							
6 CYL								
6	209 CID (3.4L) F209 Continental 6 Cyl			3.188in./80.98mm x 4.375in./111.1mm				6
Rod Bearing(3) NOTE: Positions 2,4, And 6	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
Rod Bearing(3) NOTE: Positions 1,3, And 5	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300



CLARK (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
6 (Cont.)	209 CID (3.4L) F209 Continental 6 Cyl				3.188in./80.98mm x 4.375in./111.1mm			6 (Cont.)
Main Bearing Set	TM-77	MS-194P-10	20,30					
1		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
2-3		MB-1404P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.3170
4		MB-1405P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1, Contains Straight Shell Bearings								
Thrust Washer Set(2)		TW-424S MB-1403W	STD	2.2812			3.0625	0.0960
NOTE: Contains 1 Piece, Position Number 1								
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Rod Forging	D600D-500, F400D-502, F600D-500, F600D-502, F218D-3022, F218D-3032							
C/S Forging	209229, 732596, 733536, 733863, 734452, 734542, 928928, 7325596, B600C-601, D186C-300, D600C-218, D600C-368, D600C-601, D600C-602, D600C-603, F186C-300, F400C-209							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	100 To 110 Lbs.Ft.							
7	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler 6 Cyl (1942-1954)				3.250in./82.6mm x 4.375in./111.1mm			7
Rod Bearing(6)	TM-77	CB-60G	STD,10,20,30,40,50,60	2.0615/2.0625	0.0006/0.0027	0.0525	2.1675/2.1680	1.0050
Main Bearing Set	TM-77	MS-523P-10	20,30					
1		MB-2011P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.2400
2-3		MB-2012P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.0360
4		MB-122P(F)		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-23S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-24		1.9665/1.9675	0.0010/0.0050	0.0650	2.0985/2.0995	0.8820
3		SH-25		1.9350/1.9360	0.0010/0.0050	0.0650	2.0670/2.0680	0.8820
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	9300, 9410, 617925, 868896, 952118, 954371, 954408, 1554471, 1554530							
C/S Forging	620035, 856080, 864719, 952068, 1316540							
Connecting Rod	45 To 50 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	50 To 75 Lbs.Ft. (7/16" Bolts)							
Main Bearing	80 To 85 Lbs.Ft.							
8	226 CID (3.7L) F226 Continental Flex 6 Cyl				3.313in./84.1mm x 4.375in./111.1mm			8
Rod Bearing(6)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402, Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								



CLARK (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
8 (Cont.)	226 CID (3.7L) F226 Continental Flex 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				8 (Cont.)
Rod Forging	F600D-310, F600D-402, F600D-405							
C/S Forging	F600C-217, F600C-344, F600C-368, F600C-502, F600C-504, F600C-536, F600C-601, F600C-500A, F600C-502A, F600C-506A, F600C-606A, F600C-606C							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
9	237 CID (3.9L) QXLD3 Hercules 6 Cyl			3.438in./87.33mm x 4.250in./108mm				9
Rod Bearing(6)	TM-112	CB-341P	STD,10,20	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.0280
Cam Bearing Set	B-1	SH-322S	STD					
1-4		SH-322		1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	1.0340
2-3		SH-323		1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	0.5650
10	320 CID (5.2L) JXD Hercules 6 Cyl			4.000in./101.6mm x 4.250in./108mm				10
	339 CID (5.6L) JXLD Hercules 6 Cyl			4.000in./101.6mm x 4.500in./114.3mm				
Rod Bearing(6)	TM-112	CB-340P	STD,10,20,30,40	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640
NOTE: Contains 2 Shims								
Cam Bearing Set	B-1	SH-198S	STD					
1-4		SH-197		2.0530/2.0540	0.0005/0.0040	0.0668	2.1870/2.1880	1.1350
2-3		SH-198		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230
NOTE: From Engine Serial Number 501088								
Rod Forging	40090C, 40390C, 43102C, 44119C							
C/S Forging	43532, 40091E, 40094D, 40094E, 40950E, 40991E, 42947E, 42974E, 42979E, 43526D, 43526E, 43528B, 43528E, 43531E, 44025E, 45853D, 45853E, 45855E, 45857E, 45859B, 45859D, 45859E, 45868G, 46024E, 50024E, C-5145, 140025D, 140026D, 155025E, 220426C							
Connecting Rod	53 To 56 Lbs.Ft.							
8 CYL								
11	568 CID (9.3L) 8V-71 Detroit Diesel Diesel V8 Cyl			4.250in./108mm x 5.000in./127mm				11
Rod Bearing(8)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing Set	TM-112	MS-1386P	STD,10,20,30					
1-2-3-4-5		MB-2687P		4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130	1.2450
5		MB-2523W		4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-402S	STD					
		MB-2523W		4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 5								
Cam Bearing Set	C-1	SH-476RS	STD,20					
		SH-476R		1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(6)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(6)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS	STD					
		SH-477W		1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(16)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Rod Forging	5135051, 5144384							
C/S Forging	511706, 5103281, 5144867							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	155 To 185 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							



COCKSHUTT

ENGINE DATA

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL			6 CYL (Cont.)		
4-53 Detroit Diesel 212 CID (3.5L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	5	185GA Waukesha 194 CID (3.2L)	3.313in./84.2mmX3.750in./95.3mm	6
DD198 Hercules 198 CID (3.2L)	3.750in./95.3mmX4.500in./114.3mm	4	190DKB Waukesha 265 CID (4.3L) Diesel	3.750in./95.3mmX4.000in./101.6mm	12
F140 Continental 140 CID (2.3L)	3.188in./80.98mmX4.375in./111.1mm	3	190DLB Waukesha 265 CID (4.3L) Diesel	3.750in./95.3mmX4.000in./101.6mm	12
VF4 Wisconsin 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	1	190GLB Waukesha 265 CID (4.3L) Flex	3.750in./95.3mmX4.000in./101.6mm	12
VH4D Wisconsin 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	2	F226 Continental 226 CID (3.7L) Flex	3.313in./84.1mmX4.375in./111.1mm	8
6 CYL			FA226 Continental 226 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	8
5/5A/6/6A/30/31 Chrysler 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	7	Ind 7 Chrysler 237 CID (3.9L)	3.438in./87.33mmX4.250in./108mm	11
6B230 Buda 230 CID (3.8L)	3.438in./87.33mmX4.125in./104.8mm	9	Ind 7A Chrysler 237 CID (3.9L)	3.438in./87.33mmX4.250in./108mm	11
6B230 Buda 230 CID (3.8L) LPG	3.438in./87.33mmX4.125in./104.8mm	10	Ind 8 Chrysler 251 CID (4.1L)	3.438in./87.33mmX4.500in./114.3mm	11
185DAC Waukesha 194 CID (3.2L) Diesel	3.313in./84.2mmX3.750in./95.3mm	6	Ind 8A Chrysler 251 CID (4.1L)	3.438in./87.33mmX4.500in./114.3mm	11

MODEL DATA

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
18 Base Model	Combine	108 CID (1.8L) VH4D Wisconsin	2	1900 Diesel	Wheel Tractor	212 CID (3.5L) 4-53 Detroit Diesel Diesel	5
20 Base Model	Wheel Tractor	140 CID (2.3L) F140 Continental	3	1950 Diesel	Wheel Tractor	212 CID (3.5L) 4-53 Detroit Diesel Diesel	5
25 Base Model	Combine	226 CID (3.7L) FA226 Continental	8	SP110 Base Model	Combine	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler	7
40 Gas	Wheel Tractor	230 CID (3.8L) 6B230 Buda	10	SP110 Base Model	Combine	237 CID (3.9L) Ind 7A Chrysler	11
62 W	Baler	108 CID (1.8L) VH4D Wisconsin	2	SP112 Base Model	Combine	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler	7
325 Base Model	Combine	108 CID (1.8L) VF4 Wisconsin	1	SP112 Base Model	Combine	237 CID (3.9L) Ind 7A Chrysler	11
422 Base Model	Combine	108 CID (1.8L) VF4 Wisconsin	1	SP115 Base Model	Combine	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler	7
422 Base Model	Combine	140 CID (2.3L) F140 Continental	3	SP115 Base Model	Combine	237 CID (3.9L) Ind 7A Chrysler	11
525 Base Model	Combine	251 CID (4.1L) Ind 8A Chrysler	11	SP115 Base Model	Combine	251 CID (4.1L) Ind 8A Chrysler	11
550 Diesel	Wheel Tractor	198 CID (3.2L) DD198 Hercules	4	SP132 Base Model	Combine	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler	7
620 Base Model	Baler	108 CID (1.8L) VH4D Wisconsin	2	SP137 Base Model	Combine	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler	7
770 Gas	Wheel Tractor	194 CID (3.2L) 185GA Waukesha	6	SP137 Base Model	Combine	237 CID (3.9L) Ind 7A Chrysler	11
880 Gas	Wheel Tractor	265 CID (4.3L) 190GLB Waukesha	12	SP137 Base Model	Combine	251 CID (4.1L) Ind 8A Chrysler	11
1600 Diesel	Wheel Tractor	265 CID (4.3L) 190DLB Waukesha Diesel	12	SP428 Base Model	Combine	251 CID (4.1L) Ind 8A Chrysler	11
1650 Diesel	Wheel Tractor	265 CID (4.3L) 190DKB Waukesha Diesel	12	SP429 Base Model	Combine	251 CID (4.1L) Ind 8A Chrysler	11

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
9300	4.375in./111.1mm	7	666746	4.250in./108mm	11	954428	4.250in./108mm	11	4500141	4.125in./104.8mm	10
9410	4.375in./111.1mm	7	666746	4.500in./114.3mm	11	954428	4.500in./114.3mm	11	5121248	4.500in./114.3mm	5
180000-C	3.750in./95.3mm	6	868896	4.375in./111.1mm	7	954448	4.250in./108mm	11	F218D-3020	4.375in./111.1mm	3
180007-B	3.750in./95.3mm	6	952118	4.375in./111.1mm	7	1400244	4.250in./108mm	11	F400D-500	4.375in./111.1mm	3
288090D	4.500in./114.3mm	4	954371	4.375in./111.1mm	7	1400244	4.500in./114.3mm	11	F400D-502	4.375in./111.1mm	3
617925	4.375in./111.1mm	7	954408	4.375in./111.1mm	7	1554471	4.375in./111.1mm	7	F600D-310	4.375in./111.1mm	8
665679	4.250in./108mm	11	954418	4.250in./108mm	11	1554530	4.375in./111.1mm	7	F600D-402	4.375in./111.1mm	8
665679	4.500in./114.3mm	11	954418	4.500in./114.3mm	11	4500141	4.125in./104.8mm	9	F600D-405	4.375in./111.1mm	8

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
400C-209	4.375in./111.1mm	3	195311	4.000in./101.6mm	12	665792	4.500in./114.3mm	11	864718	4.500in./114.3mm	11
400C-500	4.375in./111.1mm	3	250026F	4.500in./114.3mm	4	666739	4.500in./114.3mm	11	864719	4.375in./111.1mm	7
185111	3.750in./95.3mm	6	256025E	4.500in./114.3mm	4	673498	4.500in./114.3mm	11	870715	4.250in./108mm	11
186211	3.750in./95.3mm	6	256026E	4.500in./114.3mm	4	762706	4.500in./114.3mm	11	870715	4.500in./114.3mm	11
186211-A	3.750in./95.3mm	6	285360F	4.500in./114.3mm	4	856080	4.375in./111.1mm	7	870744	4.500in./114.3mm	11
186311	3.750in./95.3mm	6	620035	4.375in./111.1mm	7	863706	4.500in./114.3mm	11	952068	4.375in./111.1mm	7
192211B	4.000in./101.6mm	12	665792	4.250in./108mm	11	864718	4.250in./108mm	11	1316540	4.375in./111.1mm	7



COCKSHUTT (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
4502106	4.125in./104.8mm	9	5103318	4.500in./114.3mm	5	F400C-222	4.375in./111.1mm	3	F600C-368	4.375in./111.1mm	8
4502106	4.125in./104.8mm	10	5116022	4.500in./114.3mm	5	F400C-228	4.375in./111.1mm	3	F600C-500A	4.375in./111.1mm	8
4502107	4.125in./104.8mm	9	5116029	4.500in./114.3mm	5	F400C-314	4.375in./111.1mm	3	F600C-502	4.375in./111.1mm	8
4502107	4.125in./104.8mm	10	5181377	4.500in./114.3mm	5	F400C-321	4.375in./111.1mm	3	F600C-502A	4.375in./111.1mm	8
4505959	4.125in./104.8mm	9	B-2106	4.125in./104.8mm	9	F400C-324	4.375in./111.1mm	3	F600C-504	4.375in./111.1mm	8
4505959	4.125in./104.8mm	10	B-2106	4.125in./104.8mm	10	F400C-359	4.375in./111.1mm	3	F600C-506A	4.375in./111.1mm	8
4507700	4.125in./104.8mm	9	B-2107	4.125in./104.8mm	9	F400C-368	4.375in./111.1mm	3	F600C-536	4.375in./111.1mm	8
4507700	4.125in./104.8mm	10	B-2107	4.125in./104.8mm	10	F400C-500	4.375in./111.1mm	3	F600C-601	4.375in./111.1mm	8
4514465	4.125in./104.8mm	9	CA-55	3.250in./82.6mm	1	F400C-501	4.375in./111.1mm	3	F600C-606A	4.375in./111.1mm	8
4514465	4.125in./104.8mm	10	F140C-303	4.375in./111.1mm	3	F400C-503	4.375in./111.1mm	3	F600C-606C	4.375in./111.1mm	8
4514467	4.125in./104.8mm	9	F162C-319	4.375in./111.1mm	3	F600C-217	4.375in./111.1mm	8			
4514467	4.125in./104.8mm	10	F400C-209	4.375in./111.1mm	3	F600C-344	4.375in./111.1mm	8			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1 108 CID (1.8L) VF4 Wisconsin V4 Cyl 3.250in./82.6mm x 3.250in./82.6mm 1

Rod Bearing(4)	B-2	CB-983M	STD,10	1.7500/1.7510	0.0014/0.0035	0.0613	1.8745/1.8750	0.8640
Piston Pin Bushing(4)	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100

NOTE: Requires Light Reaming

C/S Forging CA-55

Connecting Rod 24 Lbs.Ft.

2 108 CID (1.8L) VH4D Wisconsin V4 Cyl 3.250in./82.6mm x 3.250in./82.6mm 2

Rod Bearing(4)	B-2	CB-979M	STD,10,20	1.8750/1.8760	0.0014/0.0035	0.0613	1.9995/2.0000	0.8640
Piston Pin Bushing(4)	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100

NOTE: Requires Light Reaming

Connecting Rod 24 Lbs.Ft.

3 140 CID (2.3L) F140 Continental 4 Cyl 3.188in./80.98mm x 4.375in./111.1mm 3

Rod Bearing(2)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 2 And 4								
Rod Bearing(2)	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 1 And 3								

Main Bearing Set	TM-77	MS-176P-10	20					
1		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
2		MB-1406P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.6300
3		MB-1405P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300

NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1, Contains Straight Shell Bearings

Thrust Washer Set(2)		TW-424S	STD					
		MB-1403W		2.2812			3.0625	0.0960

NOTE: Contains 1 Piece, Position Number 1, Use With Part Number MS-176P-10

Cam Bearing Set	AL-3	SH-56S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660

Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250

NOTE: Requires Light Reaming, Thin Wall, .919" Outside Diameter

Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250

NOTE: Requires Light Reaming, 1.066" Outside Diameter

Rod Forging F400D-500, F400D-502, F218D-3020
C/S Forging 400C-209, 400C-500, F140C-303, F162C-319, F400C-209, F400C-222, F400C-228, F400C-314, F400C-321, F400C-324, F400C-359, F400C-368, F400C-500, F400C-501, F400C-503

Connecting Rod 20 To 25 Lbs.Ft.

Main Bearing 35 To 40 Lbs.Ft.

4 198 CID (3.2L) DD198 Hercules 4 Cyl 3.750in./95.3mm x 4.500in./114.3mm 4

Rod Bearing(4)	TM-112	CB-340P	STD,10,20,30,40	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640

NOTE: Engines with 2.00" Crankpins and 2.500" Main Journals, Contains 2 Shims



COCKSHUTT (Cont.)																	
COUNTER DATA				SHOP DATA													
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length									
4 CYL (Cont.)																	
4 (Cont.)	198 CID (3.2L) DD198 Hercules 4 Cyl			3.750in./95.3mm x 4.500in./114.3mm				4 (Cont.)									
Rod Bearing(4)	TM-112	CB-704P	STD,10,20,30	2.3730/2.3740	0.0013/0.0043	0.0756	2.5260/2.5270	1.1640									
NOTE: Engines with 2.375" Crankpins and 2.875" Main Journals																	
Main Bearing Set	TM-112	MS-1681P	STD,10	2.8734/2.8744	0.0012/0.0037	0.0956	3.0665/3.0670	1.0360									
1-2-4-5		MB-2185P															
3		MB-2092P(F)															
NOTE: Engines with 2.875" Main Journals, Upper And Lower Bearing Halves Have Locating Lug In The Same Position																	
Cam Bearing Set	B-1	SH-562S	STD	2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	1.0720									
1-4		SH-561															
2-3		SH-198															
Rod Forging	288090D																
C/S Forging	250026F, 256025E, 256026E, 285360F																
Connecting Rod	56 Lbs.Ft.																
Main Bearing	70 To 80 Lbs.Ft.																
5	212 CID (3.5L) 4-53 Detroit Diesel Supercharged Diesel 4 Cyl			3.875in./98.4mm x 4.500in./114.3mm				5									
Rod Bearing(4)	TM-112	CB-1265P	STD,10,20,30,40	2.4990/2.5000	0.0020/0.0050	0.1250	2.7515/2.7525	1.3200									
Main Bearing Set	TM-112	MS-502P	STD,10,20,30	2.9990/3.0000	0.0013/0.0043	0.1250	3.2510/3.2520	1.1850									
1-2-3-4-5		MB-1897P															
5		MB-2522W															
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position																	
Thrust Washer Set		TW-412S	STD	3.3380/3.3480			4.2700/4.2800	0.1220									
		MB-2522W															
NOTE: Contains 4 Pieces, Position Number 5																	
Cam Bearing Set	C-1	SH-700S	STD	2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100									
1-5		SH-686															
2-4		SH-687															
3		SH-688															
NOTE: Contains Camshaft And Balance Shaft Bearings																	
Piston Pin	C-1	223-3622	STD				1.6005/1.6010	0.7550									
Bushing(4)																	
NOTE: Requires Boring																	
Rod Forging	5121248																
C/S Forging	5103318, 5116022, 5116029, 5181377																
Connecting Rod	40 To 45 Lbs.Ft.																
Main Bearing	120 To 130 Lbs.Ft.																
6 CYL																	
6	194 CID (3.2L) 185DAC Waukesha Diesel 6 Cyl			3.313in./84.2mm x 3.750in./95.3mm				6									
	194 CID (3.2L) 185GA Waukesha 6 Cyl			3.313in./84.2mm x 3.750in./95.3mm													
Rod Bearing(6)	TM-112	CB-446P	STD,10,20	1.9990/2.0000	0.0005/0.0030	0.0617	2.1235/2.1240	1.1190									
NOTE: Engines With 2.000" Crankpins																	
Main Bearing Set	TM-112	MS-406P	STD,10,20,30	2.2490/2.2500	0.0002/0.0032	0.0854	2.4210/2.4220	1.3800									
1-2-4		MB-1629P															
3		MB-1786P(F)															
Cam Bearing Set	B-1	SH-330S	STD	1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050									
1		SH-330															
Piston Pin	C-1	223-3514	STD				1.3125/1.3130	0.5570									
Bushing(12)																	
NOTE: 2 Per Rod,Requires Boring																	
Rod Forging	180000-C, 180007-B																
C/S Forging	185111, 186211, 186311, 186211-A																
Connecting Rod	44 To 45 Lbs.Ft. (Lubricated Bolts)																
Connecting Rod	46 To 50 Lbs.Ft. (Dry Bolts)																
Main Bearing	87 To 92 Lbs.Ft.																
7	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler 6 Cyl (1942-1954)			3.250in./82.6mm x 4.375in./111.1mm				7									
Rod Bearing(6)	TM-77	CB-60G	STD,10,20,30,40,50,60	2.0615/2.0625	0.0006/0.0027	0.0525	2.1675/2.1680	1.0050									
Main Bearing Set	TM-77	MS-523P-10	20,30	2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.2400									
1		MB-2011P															
2-3		MB-2012P															
4		MB-122P(F)															



COCKSHUTT (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
7 (Cont.)	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler 6 Cyl (1942-1954)				3.250in./82.6mm x 4.375in./111.1mm			7 (Cont.)
Cam Bearing Set	B-1	SH-23S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-24		1.9665/1.9675	0.0010/0.0050	0.0650	2.0985/2.0995	0.8820
3		SH-25		1.9350/1.9360	0.0010/0.0050	0.0650	2.0670/2.0680	0.8820
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	9300, 9410, 617925, 868896, 952118, 954371, 954408, 1554471, 1554530							
C/S Forging	620035, 856080, 864719, 952068, 1316540							
Connecting Rod	45 To 50 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	50 To 75 Lbs.Ft. (7/16" Bolts)							
Main Bearing	80 To 85 Lbs.Ft.							
8	226 CID (3.7L) F226 Continental Flex 6 Cyl				3.313in./84.1mm x 4.375in./111.1mm			8
226 CID (3.7L) FA226 Continental 6 Cyl					3.313in./84.1mm x 4.375in./111.1mm			
Rod Bearing(6)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402, Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	F600D-310, F600D-402, F600D-405							
C/S Forging	F600C-217, F600C-344, F600C-368, F600C-502, F600C-504, F600C-536, F600C-601, F600C-500A, F600C-502A, F600C-506A, F600C-606A, F600C-606C							
Connecting Rod	40 To 45 Lbs.Ft.							
9	230 CID (3.8L) 6B230 Buda 6 Cyl				3.438in./87.33mm x 4.125in./104.8mm			9
Piston Pin Bushing(6)	C-1	223-3507	STD			0.0730	1.1270/1.1275	1.2560
NOTE: Requires Boring								
Rod Forging	4500141							
C/S Forging	B-2106, B-2107, 4502106, 4502107, 4505959, 4507700, 4514465, 4514467							
10	230 CID (3.8L) 6B230 Buda LPG 6 Cyl				3.438in./87.33mm x 4.125in./104.8mm			10
Rod Bearing(6)	TM-112	CB-458P	STD,2,10,20,30,40	1.9975/1.9985	0.0016/0.0041	0.0802	2.1600/2.1605	1.2500
Main Bearing Set	TM-112	MS-227P	STD,10,20,30					
1		MB-1669P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.2550
2-3-5-6		MB-1670P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.1300
4		MB-1671P(F)		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.8720
7		MB-1681P		2.4970/2.4980	0.0016/0.0043	0.1000	2.6993/2.7000	1.7550
Cam Bearing Set	B-1	SH-386S	STD					
1		SH-386		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	1.1300
2-3		SH-387		1.9980/1.9990	0.0020/0.0050	0.0615	2.1240/2.1250	0.8800
4		SH-388		1.2480/1.2490	0.0020/0.0050	0.0615	1.3740/1.3750	1.0100
Piston Pin Bushing(6)	C-1	223-3507	STD			0.0730	1.1270/1.1275	1.2560
NOTE: Requires Boring								
Rod Forging	4500141							
C/S Forging	B-2106, B-2107, 4502106, 4502107, 4505959, 4507700, 4514465, 4514467							



COCKSHUTT (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
10 (Cont.)	230 CID (3.8L) 6B230 Buda LPG 6 Cyl				3.438in./87.33mm x 4.125in./104.8mm				10 (Cont.)
Connecting Rod	50 To 60 Lbs.Ft.								
Main Bearing	125 To 135 Lbs.Ft.								
11	237 CID (3.9L) Ind 7,Ind 7A Chrysler 6 Cyl				3.438in./87.33mm x 4.250in./108mm				11
	251 CID (4.1L) Ind 8,Ind 8A Chrysler 6 Cyl				3.438in./87.33mm x 4.500in./114.3mm				
Rod Bearing(6)	TM-77	CB-90P	STD,1,10,20,30,40,C60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	1.0850	
Main Bearing Set 1-2-3	TM-77	MS-107P	STD,10,20	2.4995/2.5005	0.0011/0.0036	0.0776	2.6565/2.6570	1.1810	
4		MB-327P		2.4995/2.5005	0.0017/0.0042	0.0774	2.6565/2.6570	1.8710	
		MB-328P(F)							
Cam Bearing Set 1	B-1	SH-37S	STD	1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010	
2		SH-23		1.9665/1.9675	0.0005/0.0045	0.0652	2.0985/2.0995	1.0700	
3		SH-37		1.9350/1.9360	0.0005/0.0044	0.0653	2.0670/2.0680	1.0690	
		SH-38							
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250	
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter									
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250	
NOTE: Requires Light Reaming, 1.066" Outside Diameter									
Rod Forging	665679, 666746, 954418, 954428, 954448, 1400244								
C/S Forging	665792, 666739, 673498, 762706, 863706, 864718, 870715, 870744								
Connecting Rod	40 To 45 Lbs.Ft.								
12	265 CID (4.3L) 190DKB,190DLB Waukesha Diesel 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm				12
	265 CID (4.3L) 190GLB Waukesha Flex 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm				
Piston Pin Bushing(12)	C-1	223-3514	STD			0.0450	1.3125/1.3130	0.5570	
NOTE: 2 Per Rod,Requires Boring									
C/S Forging	195311, 192211B								

CONTINENTAL									
ENGINE DATA									
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block		
2 CYL				4 CYL (Cont.)					
TM13 1342CC (1.3L)	3.583in./91mm	X4.063in./103.2mm	1	EB242 242 CID (4.0L) LPG	3.813in./96.9mm	X5.125in./130.2mm	20		
TMD13 1342CC (1.3L) Diesel	3.583in./91mm	X4.063in./103.2mm	1	ED201 201 CID (3.3L)	3.625in./92.1mm	X4.875in./123.8mm	20		
TMDT13 1342CC (1.3L) Diesel Turbocharged	3.583in./91mm	X4.063in./103.2mm	2	ED208 208 CID (3.4L) Diesel	3.687in./93.7mm	X4.875in./123.8mm	20		
				ED242 242 CID (4.0L) Diesel	3.875in./98.4mm	X5.125in./130.2mm	20		
				ED243 243 CID (4.0L)	3.813in./96.9mm	X4.875in./123.8mm	20		
				F124 124 CID (2.0L)	3.000in./76.2mm	X4.375in./111.1mm	9		
				F135 135 CID (2.2L)	3.125in./79.4mm	X4.375in./111.1mm	11		
				F140 140 CID (2.3L)	3.188in./80.98mm	X4.375in./111.1mm	9		
				F162 162 CID (2.7L)	3.438in./87.33mm	X4.375in./111.1mm	9		
				F163 163 CID (2.7L)	3.438in./87.33mm	X4.375in./111.1mm	11		
				F198 198 CID (3.2L)	3.437in./87.3mm	X4.375in./111.1mm	15		
				F4124 124 CID (2.0L)	3.000in./76.2mm	X4.375in./111.1mm	9		
				F4140 140 CID (2.3L)	3.188in./80.98mm	X4.375in./111.1mm	9		
				F4162 162 CID (2.7L)	3.438in./87.33mm	X4.375in./111.1mm	14		
				F4162A 162 CID (2.7L)	3.438in./87.33mm	X4.375in./111.1mm	9		
				F4163 163 CID (2.7L)	3.438in./87.3mm	X4.375in./111.1mm	15		
				G157 157 CID (2.6L)	3.375in./85.7mm	X4.375in./111.1mm	13		
				G176 176 CID (2.9L)	3.578in./90.8mm	X4.375in./111.1mm	18		
				G193 193 CID (3.2L)	3.750in./95.3mm	X4.375in./111.1mm	19		
				G206 206 CID (3.4L)	3.813in./96.9mm	X4.375in./111.1mm	19		
				G4193 193 CID (3.2L)	3.750in./95.3mm	X4.375in./111.1mm	19		
				GF193 193 CID (3.2L)	3.750in./95.3mm	X4.375in./111.1mm	19		
				H227 227 CID (3.7L)	3.625in./92.1mm	X5.500in./139.7mm	21		
				H243 243 CID (4.0L)	3.750in./95.3mm	X5.500in./139.7mm	21		
				H260 260 CID (4.3L)	3.875in./98.4mm	X5.500in./139.7mm	21		
				H260A 260 CID (4.3L)	3.875in./98.4mm	X5.500in./139.7mm	21		
				H277 277 CID (4.5L)	4.000in./101.6mm	X5.500in./139.7mm	21		
A4124 124 CID (2.0L)	3.000in./76.2mm	X4.375in./111.1mm	9						
BY112 112 CID (1.8L)	3.188in./80.98mm	X3.500in./88.9mm	7						
BY4112 112 CID (1.8L)	3.187in./80.95mm	X3.500in./88.9mm	7						
E201 201 CID (3.3L)	3.625in./92.1mm	X4.875in./123.8mm	20						
E208 208 CID (3.4L) Flex	3.687in./93.7mm	X4.875in./123.8mm	20						
E223 223 CID (3.7L)	3.813in./96.9mm	X4.875in./123.8mm	20						
E223 223 CID (3.7L) LPG	3.813in./96.9mm	X4.875in./123.8mm	20						
E242 242 CID (4.0L) Flex	3.813in./96.9mm	X5.125in./130.2mm	20						
E243 243 CID (4.0L)	3.813in./96.9mm	X4.875in./123.8mm	20						
E400 208 CID (3.4L)	3.687in./93.7mm	X4.875in./123.8mm	20						
EB223 223 CID (3.7L)	3.875in./98.4mm	X4.875in./123.8mm	20						
EB223 223 CID (3.7L) LPG	3.875in./98.4mm	X4.875in./123.8mm	20						
EB242 242 CID (4.0L)	3.813in./96.9mm	X5.125in./130.2mm	20						



CONTINENTAL (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL (Cont.)			6 CYL (Cont.)		
HD243 243 CID (4.0L) Diesel	3.875in./98.4mmX4.875in./123.8mm	22	F186 186 CID (3.0L)	3.000in./76.2mmX4.375in./111.1mm	23
HD260 260 CID (4.3L) Diesel	3.875in./98.4mmX5.500in./139.7mm	22	F199 199 CID (3.3L)	3.250in./82.6mmX4.000in./101.6mm	23
HD277 277 CID (4.5L) Diesel	4.000in./101.6mmX5.500in./139.7mm	22	F206 206 CID (3.4L)	3.250in./82.6mmX4.000in./101.6mm	23
LF124 124 CID (2.0L)	3.000in./76.2mmX4.375in./111.1mm	9	F209 209 CID (3.4L)	3.188in./80.98mmX4.375in./111.1mm	23
LF140 140 CID (2.3L)	3.188in./80.98mmX4.375in./111.1mm	9	F214 214 CID (3.5L)	3.250in./82.6mmX4.375in./111.1mm	23
LF162 162 CID (2.7L)	3.438in./87.33mmX4.375in./111.1mm	9	F218 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	23
LY69 69 CID (1.1L)	2.500in./63.5mmX3.500in./88.9mm	6	F226 226 CID (3.7L) Flex	3.313in./84.1mmX4.375in./111.1mm	27
LY91 91 CID (1.5L)	2.875in./73mmX3.500in./88.9mm	6	F227 227 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	29
N50 50 CID (0.8L)	2.125in./54mmX3.500in./88.9mm	5	F242 242 CID (4.0L)	3.425in./87mmX4.375in./111.1mm	29
N56 56 CID (0.9L)	2.250in./57.2mmX3.500in./88.9mm	5	F244 244 CID (4.0L)	3.438in./87.33mmX4.375in./111.1mm	30
N62 62 CID (1.0L)	2.375in./60.3mmX3.500in./88.9mm	5	F245 245 CID (4.0L)	3.438in./87.33mmX4.375in./111.1mm	31
N4062 62 CID (1.0L)	2.375in./60.3mmX3.500in./88.9mm	5	F6170 170 CID (2.8L)	3.000in./76.2mmX4.375in./111.1mm	23
P410 91 CID (1.5L)	2.875in./73mmX3.500in./88.9mm	6	F6186 186 CID (3.0L)	3.000in./76.2mmX4.375in./111.1mm	23
PF124 124 CID (2.0L)	3.000in./76.2mmX4.375in./111.1mm	9	F6199 199 CID (3.3L)	3.250in./82.6mmX4.000in./101.6mm	23
PF140 140 CID (2.3L)	3.188in./80.98mmX4.375in./111.1mm	9	F6209 209 CID (3.4L)	3.188in./80.98mmX4.375in./111.1mm	26
PF162 162 CID (2.7L)	3.438in./87.33mmX4.375in./111.1mm	9	F6218 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	23
PF163 163 CID (2.7L)	3.438in./87.33mmX4.375in./111.1mm	15	F6226 226 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	27
PY69 69 CID (1.1L)	2.500in./63.5mmX3.500in./88.9mm	6	F6227 227 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	29
PY91 91 CID (1.5L)	2.875in./73mmX3.500in./88.9mm	6	F6242 242 CID (4.0L)	3.425in./87mmX4.375in./111.1mm	29
PY112 112 CID (1.8L)	3.188in./80.98mmX3.500in./88.9mm	7	F6244 244 CID (4.0L)	3.438in./87.33mmX4.375in./111.1mm	30
PY4112 112 CID (1.8L)	3.188in./80.98mmX3.500in./88.9mm	7	F6245 245 CID (4.0L)	3.438in./87.33mmX4.375in./111.1mm	29
TM27 164 CID/2685CC (2.7L)	3.583in./91mmX4.063in./103.2mm	16	FO6226 226 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	28
TM27 164 CID/2685CC (2.7L) CNG	3.583in./91mmX4.063in./103.2mm	16	K6271 271 CID (4.4L)	3.625in./92.1mmX4.375in./111.1mm	33
TM27 164 CID/2685CC (2.7L) LPG	3.583in./91mmX4.063in./103.2mm	16	K6290 290 CID (4.8L)	3.750in./95.3mmX4.375in./111.1mm	33
TMD27 164 CID/2685CC (2.7L) Diesel	3.583in./91mmX4.063in./103.2mm	16	K6330 330 CID (5.4L)	4.000in./101.6mmX4.375in./111.1mm	33
TMDT27 164 CID/2685CC (2.7L) Diesel	3.583in./91mmX4.063in./103.2mm	17	K6363 363 CID (5.9L)	4.000in./101.6mmX4.813in./122.3mm	33
Turbocharged			K6427 427 CID (7.0L)	4.313in./109.6mmX4.875in./123.8mm	33
Y69 69 CID (1.1L)	2.500in./63.5mmX3.500in./88.9mm	6	L478 478 CID (7.8L)	3.563in./90.5mmX4.875in./123.8mm	34
Y91 91 CID (1.5L)	2.875in./73mmX3.500in./88.9mm	6	L6478 478 CID (7.8L)	3.563in./90.5mmX4.875in./123.8mm	34
Y112 112 CID (1.8L)	3.187in./80.95mmX3.500in./88.9mm	6	LD465 465 CID Diesel	4.500in./114.3mmX4.875in./123.8mm	34
Y4069 69 CID (1.1L)	2.500in./63.5mmX3.500in./88.9mm	6	LD478 478 CID (7.8L) Diesel	4.500in./114.3mmX4.875in./123.8mm	34
Y4091 91 CID (1.5L)	2.875in./73mmX3.500in./88.9mm	6	LDS427 427 CID (7.0L) Diesel	4.313in./109.6mmX4.875in./123.8mm	34
Y4112 112 CID (1.8L)	3.187in./80.95mmX3.500in./88.9mm	7	LDS465 465 CID Diesel	4.500in./114.3mmX4.875in./123.8mm	34
Z120 120 CID (2.0L)	3.188in./80.98mmX3.750in./95.3mm	8	LDS478 478 CID (7.8L) Diesel	4.563in./115.9mmX4.875in./123.8mm	34
Z129 129 CID (2.1L)	3.250in./82.6mmX3.875in./98.4mm	8	M271 271 CID (4.4L)	3.625in./92.1mmX4.375in./111.1mm	33
Z134 134 CID (2.2L)	3.313in./84.1mmX3.875in./98.4mm	10	M290 290 CID (4.8L)	3.750in./95.3mmX4.625in./117.5mm	33
Z145 145 CID (2.4L)	3.375in./85.7mmX4.063in./103.2mm	12	M330 330 CID (5.4L)	4.000in./101.6mmX4.375in./111.1mm	33
6 CYL			M363 363 CID (5.9L)	4.000in./101.6mmX4.813in./122.3mm	33
24B 209 CID (3.4L)	3.188in./80.98mmX4.375in./111.1mm	25	M6253 253 CID (4.2L)	3.500in./88.9mmX4.375in./111.1mm	33
38B 290 CID (4.8L)	3.750in./95.3mmX3.750in./95.3mm	33	M6271 271 CID (4.4L)	3.625in./92.1mmX4.375in./111.1mm	33
38B 290 CID (4.8L)	3.750in./95.3mmX3.750in./95.3mm	33	M6290 290 CID (4.8L)	3.750in./95.3mmX4.375in./111.1mm	33
40B 330 CID (5.4L)	4.000in./101.6mmX3.750in./95.3mm	33	M6300 330 CID (5.4L)	4.000in./101.6mmX4.375in./111.1mm	33
40B 330 CID (5.4L)	4.000in./101.6mmX3.750in./95.3mm	33	M6330 330 CID (5.4L)	4.000in./101.6mmX4.375in./111.1mm	33
6226 226 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	25	M6338 338 CID (5.6L)	4.000in./101.6mmX4.375in./111.1mm	33
A244 244 CID (4.0L)	3.438in./87.33mmX4.375in./111.1mm	30	M6363 363 CID (5.9L)	4.000in./101.6mmX4.813in./122.3mm	33
A6244 244 CID (4.0L)	3.438in./87.33mmX4.375in./111.1mm	30	PD170 170 CID (2.8L)	3.000in./76.2mmX4.375in./111.1mm	23
CF6226 226 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	27	PD199 199 CID (3.3L)	3.250in./82.6mmX4.375in./111.1mm	23
D202 202 CID (3.3L)	3.125in./79.4mmX4.375in./111.1mm	23	PD202 202 CID (3.3L)	3.125in./79.4mmX4.375in./111.1mm	23
D6170 170 CID (2.8L)	3.000in./76.2mmX4.375in./111.1mm	23	PD218 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	23
D6184 184 CID (3.0L)	3.125in./79.4mmX3.980in./101.1mm	23	PF170 170 CID (2.8L)	3.000in./76.2mmX4.375in./111.1mm	23
D6199 199 CID (3.3L)	3.250in./82.6mmX4.375in./111.1mm	23	PF186 186 CID (3.0L)	3.000in./76.2mmX4.375in./111.1mm	23
D6202 202 CID (3.3L)	3.125in./79.4mmX4.375in./111.1mm	24	PF199 199 CID (3.3L)	3.250in./82.6mmX4.000in./101.6mm	23
D6218 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	23	PF209 209 CID (3.4L)	3.188in./80.98mmX4.375in./111.1mm	23
DS202 202 CID (3.3L)	3.125in./79.4mmX4.375in./111.1mm	23	PF218 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	23
DS6170 170 CID (2.8L)	3.000in./76.2mmX4.375in./111.1mm	23	PF226 226 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	25
DS6184 184 CID (3.0L)	3.125in./79.4mmX4.000in./101.6mm	23	TM40 4019CC (4.0L)	3.583in./91mmX4.055in./103mm	32
DS6202 202 CID (3.3L)	3.125in./79.4mmX4.375in./111.1mm	23	TMD40 4019CC (4.0L) Diesel	3.583in./91mmX4.055in./103mm	32
DS6218 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	24	Turbocharged		
F170 170 CID (2.8L)	3.000in./76.2mmX4.375in./111.1mm	23			

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
731057	4.375in./111.1mm	11	731057	4.375in./111.1mm	31	D600D-500	4.375in./111.1mm	24	F218D-3020	4.375in./111.1mm	9
731057	4.375in./111.1mm	15	D600D-500	3.980in./101.1mm	23	D600D-500	4.000in./101.6mm	23	F218D-3020	4.375in./111.1mm	14
731057	4.375in./111.1mm	29	D600D-500	4.375in./111.1mm	23	D600D-500	4.375in./111.1mm	26	F218D-3022	3.980in./101.1mm	23



CONTINENTAL (Cont.)

CONNECTING ROD FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
F218D-3022	4.375in./111.1mm	23	F400D-502	3.980in./101.1mm	23	F600D-405	4.375in./111.1mm	25	N560-400-0	3.500in./88.9mm	5
F218D-3022	4.375in./111.1mm	24	F400D-502	4.375in./111.1mm	23	F600D-500	3.980in./101.1mm	23	Y400D-400	3.500in./88.9mm	7
F218D-3022	4.375in./111.1mm	26	F400D-502	4.375in./111.1mm	24	F600D-500	4.375in./111.1mm	23	Y400D-400	3.500in./88.9mm	6
F218D-3032	3.980in./101.1mm	23	F400D-502	4.000in./101.6mm	23	F600D-500	4.375in./111.1mm	24	Y400D-401	3.500in./88.9mm	7
F218D-3032	4.375in./111.1mm	23	F400D-502	4.375in./111.1mm	14	F600D-500	4.000in./101.6mm	23	Y400D-401	3.500in./88.9mm	6
F218D-3032	4.375in./111.1mm	24	F400D-502	4.375in./111.1mm	26	F600D-500	4.375in./111.1mm	26	Y400D-402	3.500in./88.9mm	7
F218D-3032	4.375in./111.1mm	26	F600D-310	4.375in./111.1mm	27	F600D-502	3.980in./101.1mm	23	Y400D-402	3.500in./88.9mm	6
F226-400	4.375in./111.1mm	11	F600D-310	4.375in./111.1mm	30	F600D-502	4.375in./111.1mm	23	Y400D-403	3.500in./88.9mm	7
F226-400	4.375in./111.1mm	15	F600D-310	4.375in./111.1mm	25	F600D-502	4.375in./111.1mm	24	Y400D-403	3.500in./88.9mm	6
F226-400	4.375in./111.1mm	28	F600D-402	4.375in./111.1mm	27	F600D-502	4.375in./111.1mm	26	Z120D-500	3.750in./95.3mm	8
F226D-500	4.375in./111.1mm	28	F600D-402	4.375in./111.1mm	30	G181-501M	4.375in./111.1mm	19	Z120D-500	3.875in./98.4mm	10
F400D-500	4.375in./111.1mm	9	F600D-402	4.375in./111.1mm	25	L478C-400	4.875in./123.8mm	34			
F400D-500	4.375in./111.1mm	14	F600D-405	4.375in./111.1mm	27	N56D-400	3.500in./88.9mm	5			
F400D-502	4.375in./111.1mm	9	F600D-405	4.375in./111.1mm	30	N62D-400	3.500in./88.9mm	5			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
162C-500	3.500in./88.9mm	5	7325596	3.980in./101.1mm	23	F400C-228	4.375in./111.1mm	14	F600C-536	4.375in./111.1mm	25
400C-209	4.375in./111.1mm	9	7325596	4.375in./111.1mm	23	F400C-314	4.375in./111.1mm	9	F0600C-600	4.375in./111.1mm	28
400C-209	4.375in./111.1mm	14	7325596	4.375in./111.1mm	24	F400C-314	4.375in./111.1mm	14	F600C-601	4.375in./111.1mm	27
400C-213	3.500in./88.9mm	7	7325596	4.375in./111.1mm	29	F400C-321	4.375in./111.1mm	9	F600C-601	4.375in./111.1mm	30
400C-213	3.500in./88.9mm	6	7325596	4.375in./111.1mm	31	F400C-321	4.375in./111.1mm	14	F600C-601	4.375in./111.1mm	25
400C-226	3.500in./88.9mm	7	7325596	4.375in./111.1mm	26	F400C-324	4.375in./111.1mm	9	F600C-606A	4.375in./111.1mm	27
400C-226	3.500in./88.9mm	6	B600C-601	3.980in./101.1mm	23	F400C-324	4.375in./111.1mm	14	F600C-606A	4.375in./111.1mm	30
400C-500	4.375in./111.1mm	9	B600C-601	4.375in./111.1mm	23	F400C-359	4.375in./111.1mm	9	F600C-606A	4.375in./111.1mm	25
400C-500	4.375in./111.1mm	14	B600C-601	4.375in./111.1mm	24	F400C-359	4.375in./111.1mm	14	F600C-606C	4.375in./111.1mm	27
209229	3.980in./101.1mm	23	B600C-601	4.375in./111.1mm	26	F400C-368	4.375in./111.1mm	9	F600C-606C	4.375in./111.1mm	30
209229	4.375in./111.1mm	23	D186C-300	3.980in./101.1mm	23	F400C-368	4.375in./111.1mm	14	F600C-606C	4.375in./111.1mm	25
209229	4.375in./111.1mm	24	D186C-300	4.375in./111.1mm	23	F400C-500	4.375in./111.1mm	9	G157C-600	4.375in./111.1mm	13
209229	4.375in./111.1mm	29	D186C-300	4.375in./111.1mm	24	F400C-500	4.375in./111.1mm	14	G176C-300	4.375in./111.1mm	18
209229	4.375in./111.1mm	31	D186C-300	4.375in./111.1mm	26	F400C-501	4.375in./111.1mm	9	G193C-202	4.375in./111.1mm	19
209229	4.375in./111.1mm	26	D600C-218	3.980in./101.1mm	23	F400C-501	4.375in./111.1mm	14	H260C-602	5.500in./139.7mm	21
732596	3.980in./101.1mm	23	D600C-218	4.375in./111.1mm	23	F400C-503	4.375in./111.1mm	9	H260C-603	5.500in./139.7mm	21
732596	4.375in./111.1mm	23	D600C-218	4.375in./111.1mm	24	F400C-503	4.375in./111.1mm	14	HD260C-204	4.875in./123.8mm	22
732596	4.375in./111.1mm	24	D600C-218	4.375in./111.1mm	26	F400C-509	4.375in./111.1mm	11	HD260C-204	5.500in./139.7mm	22
732596	4.375in./111.1mm	29	D600C-368	3.980in./101.1mm	23	F400C-509	4.375in./111.1mm	15	HD260C-424	4.875in./123.8mm	22
732596	4.375in./111.1mm	31	D600C-368	4.375in./111.1mm	23	F401C-302	4.375in./111.1mm	11	HD260C-424	5.500in./139.7mm	22
732596	4.375in./111.1mm	26	D600C-368	4.375in./111.1mm	24	F401C-302	4.375in./111.1mm	15	K600C-303	3.750in./95.3mm	33
733536	3.980in./101.1mm	23	D600C-368	4.375in./111.1mm	26	F401C-403	4.375in./111.1mm	11	K600C-303	4.375in./111.1mm	33
733536	4.375in./111.1mm	23	D600C-601	3.980in./101.1mm	23	F401C-403	4.375in./111.1mm	15	K600C-303	4.625in./117.5mm	33
733536	4.375in./111.1mm	24	D600C-601	4.375in./111.1mm	23	F600C-217	4.375in./111.1mm	27	K600C-600	4.813in./122.3mm	33
733536	4.375in./111.1mm	29	D600C-601	4.375in./111.1mm	24	F600C-217	4.375in./111.1mm	30	LD427C-501	4.875in./123.8mm	34
733536	4.375in./111.1mm	31	D600C-601	4.375in./111.1mm	26	F600C-217	4.375in./111.1mm	25	M600C-203	3.750in./95.3mm	33
733536	4.375in./111.1mm	26	D600C-602	3.980in./101.1mm	23	F600C-243	4.375in./111.1mm	29	M600C-203	4.375in./111.1mm	33
733863	3.980in./101.1mm	23	D600C-602	4.375in./111.1mm	23	F600C-243	4.375in./111.1mm	31	M600C-203	4.625in./117.5mm	33
733863	4.375in./111.1mm	23	D600C-602	4.375in./111.1mm	24	F600C-344	4.375in./111.1mm	27	M600C-302	3.750in./95.3mm	33
733863	4.375in./111.1mm	24	D600C-602	4.375in./111.1mm	26	F600C-344	4.375in./111.1mm	30	M600C-302	4.375in./111.1mm	33
733863	4.375in./111.1mm	29	D600C-603	3.980in./101.1mm	23	F600C-344	4.375in./111.1mm	25	M600C-302	4.625in./117.5mm	33
733863	4.375in./111.1mm	31	D600C-603	4.375in./111.1mm	23	F600C-368	4.375in./111.1mm	27	M600C-303	3.750in./95.3mm	33
733863	4.375in./111.1mm	26	D600C-603	4.375in./111.1mm	24	F600C-368	4.375in./111.1mm	30	M600C-303	4.375in./111.1mm	33
734452	3.980in./101.1mm	23	D600C-603	4.375in./111.1mm	26	F600C-368	4.375in./111.1mm	25	M600C-303	4.625in./117.5mm	33
734452	4.375in./111.1mm	23	F140C-303	4.375in./111.1mm	9	F600C-500A	4.375in./111.1mm	27	M600C-335	4.813in./122.3mm	33
734452	4.375in./111.1mm	24	F140C-303	4.375in./111.1mm	14	F600C-500A	4.375in./111.1mm	30	M600C-501	3.750in./95.3mm	33
734452	4.375in./111.1mm	29	F162C-319	4.375in./111.1mm	9	F600C-500A	4.375in./111.1mm	25	M600C-501	4.375in./111.1mm	33
734452	4.375in./111.1mm	31	F162C-319	4.375in./111.1mm	14	F600C-502	4.375in./111.1mm	27	M600C-501	4.625in./117.5mm	33
734452	4.375in./111.1mm	26	F186C-300	3.980in./101.1mm	23	F600C-502	4.375in./111.1mm	30	M600C-503	3.750in./95.3mm	33
734542	3.980in./101.1mm	23	F186C-300	4.375in./111.1mm	23	F600C-502	4.375in./111.1mm	25	M600C-503	4.375in./111.1mm	33
734542	4.375in./111.1mm	23	F186C-300	4.375in./111.1mm	24	F600C-502A	4.375in./111.1mm	27	M600C-503	4.625in./117.5mm	33
734542	4.375in./111.1mm	24	F186C-300	4.375in./111.1mm	26	F600C-502A	4.375in./111.1mm	30	N62C-500	3.500in./88.9mm	5
734542	4.375in./111.1mm	29	F400C-209	4.375in./111.1mm	9	F600C-502A	4.375in./111.1mm	25	Y112C-300	3.500in./88.9mm	7
734542	4.375in./111.1mm	31	F400C-209	3.980in./101.1mm	23	F600C-504	4.375in./111.1mm	27	Y112C-300	3.500in./88.9mm	6
734542	4.375in./111.1mm	26	F400C-209	4.375in./111.1mm	23	F600C-504	4.375in./111.1mm	30	Y400C-213	3.500in./88.9mm	7
928928	3.980in./101.1mm	23	F400C-209	4.375in./111.1mm	24	F600C-504	4.375in./111.1mm	25	Y400C-213	3.500in./88.9mm	6
928928	4.375in./111.1mm	23	F400C-209	4.375in./111.1mm	14	F600C-506A	4.375in./111.1mm	27	Y400C-216	3.500in./88.9mm	7
928928	4.375in./111.1mm	24	F400C-209	4.375in./111.1mm	26	F600C-506A	4.375in./111.1mm	30	Y400C-216	3.500in./88.9mm	6
928928	4.375in./111.1mm	29	F400C-222	4.375in./111.1mm	9	F600C-506A	4.375in./111.1mm	25	Y400C-225	3.500in./88.9mm	7
928928	4.375in./111.1mm	31	F400C-222	4.375in./111.1mm	14	F600C-536	4.375in./111.1mm	27	Y400C-225	3.500in./88.9mm	6
928928	4.375in./111.1mm	26	F400C-228	4.375in./111.1mm	9	F600C-536	4.375in./111.1mm	30	Y400C-226	3.500in./88.9mm	7



CONTINENTAL (Cont.)											
CRANKSHAFT FORGING NUMBERS (Cont.)											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
Y400C-226	3.500in./88.9mm	6	Y400C-508	3.500in./88.9mm	7	Y400C-511D	3.500in./88.9mm	6	Z129C-205	3.875in./98.4mm	10
Y400C-334	3.500in./88.9mm	6	Y400C-508	3.500in./88.9mm	6	Z120C-500	3.750in./95.3mm	8	Z129C-500	3.875in./98.4mm	8
Y400C-335	3.500in./88.9mm	6	Y400C-511	3.500in./88.9mm	7	Z120C-500	3.750in./95.3mm	8	Z134C-500	3.875in./98.4mm	10
Y400C-338	3.500in./88.9mm	6	Y400C-511	3.500in./88.9mm	6	Z129C-205	3.875in./98.4mm	8			
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
2 CYL											
1	1342CC (1.3L) TM13 2 Cyl					3.583in./91mm x 4.063in./103.2mm					1
	1342CC (1.3L) TMD13 Diesel 2 Cyl					3.583in./91mm x 4.063in./103.2mm					
Rod Bearing(2)	TM-77	CB-1378P	STD.,25mm			1.9365/1.9375	0.0006/0.0031	0.0617	2.0615/2.0620	0.9700	
Main Bearing(2)	TM-77	MB-3065P	STD.,25mm			2.8718/2.8730	0.0023/0.0052	0.0978	3.0708/3.0716	0.9420	
NOTE: Only Sold Separately, Position Number 1,Position Number 3											
Main Bearing	TM-77	MB-3066P	STD.,25mm			2.8718/2.8730	0.0023/0.0052	0.0978	3.0708/3.0716	1.2520	
NOTE: Only Sold Separately, Position Number 2											
2	1342CC (1.3L) TMDT13 Turbocharged Diesel 2 Cyl					3.583in./91mm x 4.063in./103.2mm					2
Rod Bearing(2)	TM-77	CB-1378P	STD.,25mm			1.9365/1.9375	0.0006/0.0031	0.0617	2.0615/2.0620	0.9700	
3 CYL											
3	123 CID/2014CC (2.0L) TM20 3 Cyl					3.583in./91mm x 4.063in./103.2mm					3
	123 CID/2014CC (2.0L) TM20 CNG 3 Cyl					3.583in./91mm x 4.063in./103.2mm					
	123 CID/2014CC (2.0L) TM20 LPG 3 Cyl					3.583in./91mm x 4.063in./103.2mm					
	123 CID/2014CC (2.0L) TMD20 Diesel 3 Cyl					3.583in./91mm x 4.063in./103.2mm					
Rod Bearing(3)	TM-77	CB-1378P	STD.,25mm			1.9365/1.9375	0.0006/0.0031	0.0617	2.0615/2.0620	0.9700	
Main Bearing(3)	TM-77	MB-3065P	STD.,25mm			2.8718/2.8730	0.0023/0.0052	0.0978	3.0708/3.0716	0.9420	
NOTE: Only Sold Separately, Position Number 1,Position Number 2,Position Number 4											
Main Bearing	TM-77	MB-3066P	STD.,25mm			2.8718/2.8730	0.0023/0.0052	0.0978	3.0708/3.0716	1.2520	
NOTE: Only Sold Separately, Position Number 3											
4	123 CID/2014CC (2.0L) TMDT20 Turbocharged Diesel 3 Cyl					3.583in./91mm x 4.063in./103.2mm					4
Rod Bearing(3)	TM-77	CB-1378P	STD.,25mm			1.9365/1.9375	0.0006/0.0031	0.0617	2.0615/2.0620	0.9700	
4 CYL											
5	50 CID (0.8L) N50 4 Cyl					2.125in./54mm x 3.500in./88.9mm					5
	56 CID (0.9L) N56 4 Cyl					2.250in./57.2mm x 3.500in./88.9mm					
	62 CID (1.0L) N4062,N62 4 Cyl					2.375in./60.3mm x 3.500in./88.9mm					
Rod Bearing(4)	TM-77	CB-345P	STD,10,20,30			1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	0.7600	
NOTE: Thru Engine Serial Number 42049											
Rod Bearing(4)	TM-77	CB-524P	STD,10,20,30			1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	0.7550	
NOTE: From Engine Serial Number 42049											
Piston Pin Bushing(4)	B	223-3505	STD					0.0365	0.6019/0.6039	0.8230	
NOTE: Requires Boring											
Rod Forging	N56D-400, N62D-400, N560-400-0										
C/S Forging	162C-500, N62C-500										
Connecting Rod	20 To 25 Lbs.Ft.										
Main Bearing	35 To 40 Lbs.Ft.										
6	69 CID (1.1L) LY69,PY69,Y4069,Y69 4 Cyl					2.500in./63.5mm x 3.500in./88.9mm					6
	91 CID (1.5L) LY91,P410,PY91,Y4091,Y91 4 Cyl					2.875in./73mm x 3.500in./88.9mm					
	112 CID (1.8L) Y112 4 Cyl					3.187in./80.95mm x 3.500in./88.9mm					
Rod Bearing(2)	TM-112	CB-278P	STD,10,20,30			1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050	
NOTE: Positions 1 And 3											
Rod Bearing(2)	TM-112	CB-279P	STD,10,20,30			1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050	
NOTE: Positions 2 And 4											
Main Bearing Set	TM-77	MS-1627P	STD,10,30								
1		MB-2982P(F)				1.7475/1.7485	0.0005/0.0023	0.0623	1.8740/1.8747	1.3930	
2		MB-1651P				1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470	
3		MB-1652P				1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470	
NOTE: Contains Flanged Bearing											



CONTINENTAL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
6 (Cont.)	69 CID (1.1L) LY69,PY69,Y4069,Y69 4 Cyl 91 CID (1.5L) LY91,P410,PY91,Y4091,Y91 4 Cyl 112 CID (1.8L) Y112 4 Cyl			2.500in./63.5mm x 3.500in./88.9mm 2.875in./73mm x 3.500in./88.9mm 3.187in./80.95mm x 3.500in./88.9mm				6 (Cont.)
Thrust Washer Set		TW-143S MB-1653W	STD	1.7812			2.6250	0.0950
NOTE: Contains 2 Pieces, Position Number 1								
Cam Bearing Set		AL-3	SH-191S	STD				
1			SH-191	1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2			SH-56	1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3			SH-57	1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)		B	223-3503	STD		0.0320	0.7622/0.7632	1.0630
NOTE: Requires Light Reaming								
Rod Forging		Y400D-400, Y400D-401, Y400D-402, Y400D-403						
C/S Forging		400C-213, 400C-226, Y112C-300, Y400C-213, Y400C-216, Y400C-225, Y400C-226, Y400C-508, Y400C-511						
Connecting Rod		20 To 25 Lbs.Ft.						
Main Bearing		35 To 40 Lbs.Ft.						
7	112 CID (1.8L) BY112,PY112,PY4112 4 Cyl 112 CID (1.8L) BY4112,Y4112 4 Cyl			3.188in./80.98mm x 3.500in./88.9mm 3.187in./80.95mm x 3.500in./88.9mm				7
Rod Bearing(2)		TM-112	CB-278P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245
NOTE: Positions 1 And 3								
Rod Bearing(2)		TM-112	CB-279P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245
NOTE: Positions 2 And 4								
Thrust Washer Set		TW-143S MB-1653W	STD	1.7812			2.6250	0.0950
NOTE: Contains 2 Pieces, Position Number 1								
Cam Bearing Set		AL-3	SH-191S	STD				
1			SH-191	1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2			SH-56	1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3			SH-57	1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)		B	223-3503	STD		0.0320	0.7622/0.7632	1.0630
NOTE: Requires Light Reaming								
Rod Forging		Y400D-400, Y400D-401, Y400D-402, Y400D-403						
C/S Forging		400C-213, 400C-226, Y112C-300, Y400C-213, Y400C-216, Y400C-225, Y400C-226, Y400C-508, Y400C-511						
Connecting Rod		20 To 25 Lbs.Ft.						
Main Bearing		35 To 40 Lbs.Ft.						
8	120 CID (2.0L) Z120 4 Cyl 129 CID (2.1L) Z129 4 Cyl			3.188in./80.98mm x 3.750in./95.3mm 3.250in./82.6mm x 3.875in./98.4mm				8
Rod Bearing(4)		TM-77	CB-362P	STD,2,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0028	0.0619	2.0615/2.0625
Main Bearing Set		TM-77	MS-260P	STD,10,20,30				
1			MB-1636P	2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.2700
2			MB-1637P	2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.2910
3			MB-1370P	2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.5560
NOTE: Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set(2)		TW-424S MB-1403W	STD	2.2812			3.0625	0.0960
NOTE: Contains 1 Piece, Position Number 1								
Cam Bearing Set		B-1	SH-683S	STD				
1			SH-191	1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2			SH-362-10	1.7455/1.7465	0.0010/0.0060	0.0693	1.8855/1.8875	0.7600
3			SH-317	1.6830/1.6840	0.0005/0.0055	0.0645	1.8155/1.8175	0.7600
NOTE: Engines Not Originally Equipped With Cam Bearings Must Be Line Bored To The Proper Housing Bore Dimension								
Piston Pin Bushing(4)		B	223-3349	STD		0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)		C-1	223-3429	STD		0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								



CONTINENTAL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
8 (Cont.)	120 CID (2.0L) Z120 4 Cyl			3.188in./80.98mm x 3.750in./95.3mm				8 (Cont.)
	129 CID (2.1L) Z129 4 Cyl			3.250in./82.6mm x 3.875in./98.4mm				
Piston Pin Bushing(4)	C-1	223-3621	STD			0.0365	0.9134/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	Z120D-500							
C/S Forging	Z120-500, Z120C-500, Z129C-205, Z129C-500							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	70 To 75 Lbs.Ft.							
9	124 CID (2.0L) A4124,F124,F4124,LF124,PF124 4 Cyl			3.000in./76.2mm x 4.375in./111.1mm				9
	140 CID (2.3L) F140,F4140,LF140,PF140 4 Cyl			3.188in./80.98mm x 4.375in./111.1mm				
	162 CID (2.7L) F162,F4162A,LF162,PF162 4 Cyl			3.438in./87.33mm x 4.375in./111.1mm				
Rod Bearing(2)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 2 And 4								
Rod Bearing(2)	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 1 And 3								
Main Bearing Set	TM-77	MS-176P-10	20					
1		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
2		MB-1406P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.6300
3		MB-1405P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set(2)		TW-424S	STD	2.2812			3.0625	0.0960
		MB-1403W						
NOTE: Contains 1 Piece, Position Number 1								
Cam Bearing Set	AL-3	SH-56S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Piston Pin Bushing(4)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	F400D-500, F400D-502, F218D-3020							
C/S Forging	400C-209, 400C-500, F140C-303, F162C-319, F400C-209, F400C-222, F400C-228, F400C-314, F400C-321, F400C-324, F400C-359, F400C-368, F400C-500, F400C-501, F400C-503							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
10	134 CID (2.2L) Z134 4 Cyl			3.313in./84.1mm x 3.875in./98.4mm				10
Rod Bearing(4)	TM-77	CB-362P	STD,2,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0028	0.0619	2.0615/2.0625	1.0720
Main Bearing Set	TM-77	MS-202P	STD,10,20,30					
1		MB-1636P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.2700
2		MB-1768P(F)		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.4970
3		MB-1370P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.5560
Cam Bearing Set	B-1	SH-683S	STD					
1		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2		SH-362-10		1.7455/1.7465	0.0010/0.0060	0.0693	1.8855/1.8875	0.7600
3		SH-317		1.6830/1.6840	0.0005/0.0055	0.0645	1.8155/1.8175	0.7600
NOTE: Engines Not Originally Equipped With Cam Bearings Must Be Line Bored To The Proper Housing Bore Dimension								
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								



CONTINENTAL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
10 (Cont.)	134 CID (2.2L) Z134 4 Cyl			3.313in./84.1mm x 3.875in./98.4mm				10 (Cont.)
Piston Pin Bushing(4)	C-1	223-3621	STD			0.0365	0.9134/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	Z120D-500							
C/S Forging	Z129C-205, Z134C-500							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	70 To 75 Lbs.Ft.							
11	135 CID (2.2L) F135 4 Cyl			3.125in./79.4mm x 4.375in./111.1mm				11
	163 CID (2.7L) F163 4 Cyl			3.438in./87.33mm x 4.375in./111.1mm				
Rod Bearing(2)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402, Use In Positions 1 And 3 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(2)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2 And 4 Except Connecting Rod Forging Number Ending In 402								
Main Bearing Set	TM-77	MS-886P	STD,10,20,30					
1		MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2		MB-1686P(F)		2.3744/2.3752	0.0005/0.0023	0.0932	2.5616/2.5622	1.6320
3		MB-2475P		2.3744/2.3752	0.0008/0.0029	0.0929	2.5615/2.5622	1.4890
Cam Bearing Set	AL-3	SH-56S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	731057, F226-400							
C/S Forging	F400C-509, F401C-302, F401C-403							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	70 To 75 Lbs.Ft.							
12	145 CID (2.4L) Z145 4 Cyl			3.375in./85.7mm x 4.063in./103.2mm				12
Rod Bearing(4)	TM-77	CB-362P	STD,2,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0028	0.0619	2.0615/2.0625	1.0720
Main Bearing Set	TM-77	MS-202P	STD,10,20,30					
1		MB-1636P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.2700
2		MB-1768P(F)		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.4970
3		MB-1370P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.5560
Cam Bearing Set	B-1	SH-683S	STD					
1		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2		SH-362-10		1.7455/1.7465	0.0010/0.0060	0.0693	1.8855/1.8875	0.7600
3		SH-317		1.6830/1.6840	0.0005/0.0055	0.0645	1.8155/1.8175	0.7600
NOTE: Engines Not Originally Equipped With Cam Bearings Must Be Line Bored To The Proper Housing Bore Dimension								
Piston Pin Bushing(4)	C-1	223-3621	STD			0.0365	0.9134/0.9140	1.1250
NOTE: Requires Boring								
13	157 CID (2.6L) G157 4 Cyl			3.375in./85.7mm x 4.375in./111.1mm				13
Main Bearing Set	TM-77	MS-566P-10	30					
1		MB-2083P		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.4430
2		MB-2087P(F)		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.7470
3		MB-2085P		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.5990
C/S Forging	G157C-600							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
14	162 CID (2.7L) F4162 4 Cyl			3.438in./87.33mm x 4.375in./111.1mm				14
Rod Bearing(2)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Engines With 1.937" Diameter Connecting Rod Journals, Positions 2 And 4								



CONTINENTAL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
14 (Cont.)	162 CID (2.7L) F4162 4 Cyl			3.438in./87.33mm x 4.375in./111.1mm				14 (Cont.)
Rod Bearing(2)	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Engines With 1.937" Diameter Connecting Rod Journals, Positions 1 And 3								
Rod Bearing(2)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Engines With 2.062" Diameter Connecting Rod Journals,Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1 And 3 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(2)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Engines With 2.062" Diameter Connecting Rod Journals,Use In Positions 2 And 4 Except Connecting Rod Forging Number Ending In 402								
Main Bearing Set	TM-77	MS-176P-10	20					
1		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
2		MB-1406P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.6300
3		MB-1405P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Engines With 2.250" Diameter Main Bearing Journals,Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set(2)		TW-424S	STD	2.2812			3.0625	0.0960
NOTE: Engines With 2.250" Diameter Main Bearing Journals, Contains 1 Piece, Position Number 1								
Cam Bearing Set	AL-3	SH-56S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Piston Pin Bushing(4)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	F400D-500, F400D-502, F218D-3020							
C/S Forging	400C-209, 400C-500, F140C-303, F162C-319, F400C-209, F400C-222, F400C-228, F400C-314, F400C-321, F400C-324, F400C-359, F400C-368, F400C-500, F400C-501, F400C-503							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
15	163 CID (2.7L) F4163 4 Cyl			3.438in./87.3mm x 4.375in./111.1mm				15
	163 CID (2.7L) PF163 4 Cyl			3.438in./87.33mm x 4.375in./111.1mm				
	198 CID (3.2L) F198 4 Cyl			3.437in./87.3mm x 4.375in./111.1mm				
Rod Bearing(2)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1 And 3 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(2)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2 And 4 Except Connecting Rod Forging Number Ending In 402								
Main Bearing Set	TM-77	MS-886P	STD,10,20,30					
1		MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2		MB-1686P(F)		2.3744/2.3752	0.0005/0.0023	0.0932	2.5616/2.5622	1.6320
3		MB-2475P		2.3744/2.3752	0.0008/0.0029	0.0929	2.5615/2.5622	1.4890
Cam Bearing Set	AL-3	SH-56S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming								
Piston Pin Bushing(4)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring								



CONTINENTAL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
15 (Cont.)	163 CID (2.7L) F4163 4 Cyl				3.438in./87.3mm x 4.375in./111.1mm			15 (Cont.)
	163 CID (2.7L) PF163 4 Cyl				3.438in./87.33mm x 4.375in./111.1mm			
	198 CID (3.2L) F198 4 Cyl				3.437in./87.3mm x 4.375in./111.1mm			
Rod Forging	731057, F226-400							
C/S Forging	F400C-509, F401C-302, F401C-403							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	70 To 75 Lbs.Ft.							
16	164 CID/2685CC (2.7L) TM27 4 Cyl				3.583in./91mm x 4.063in./103.2mm			16
	164 CID/2685CC (2.7L) TM27 CNG 4 Cyl				3.583in./91mm x 4.063in./103.2mm			
	164 CID/2685CC (2.7L) TM27 LPG 4 Cyl				3.583in./91mm x 4.063in./103.2mm			
	164 CID/2685CC (2.7L) TMD27 Diesel 4 Cyl				3.583in./91mm x 4.063in./103.2mm			
Rod Bearing(4)	TM-77	CB-1378P	STD, .25mm	1.9365/1.9375	0.0006/0.0031	0.0617	2.0615/2.0620	0.9700
Main Bearing(4)	TM-77	MB-3065P	STD, .25mm	2.8718/2.8730	0.0023/0.0052	0.0978	3.0708/3.0716	0.9420
NOTE: Only Sold Separately, Position Number 1, Position Number 2, Position Number 3, Position Number 5								
Main Bearing	TM-77	MB-3066P MB-3066P(F)	STD, .25mm	2.8718/2.8730	0.0023/0.0052	0.0978	3.0708/3.0716	1.2520
NOTE: Only Sold Separately, Position Number 4								
17	164 CID/2685CC (2.7L) TMDT27 Turbocharged Diesel 4 Cyl				3.583in./91mm x 4.063in./103.2mm			17
Rod Bearing(4)	TM-77	CB-1378P	STD, .25mm	1.9365/1.9375	0.0006/0.0031	0.0617	2.0615/2.0620	0.9700
18	176 CID (2.9L) G176 4 Cyl				3.578in./90.8mm x 4.375in./111.1mm			18
Rod Bearing(4)	TM-112	CB-616P	STD, 10, 20, 30	2.0615/2.0625	0.0011/0.0036	0.0617	2.1865/2.1870	1.1300
Main Bearing Set	TM-112	MS-566P-10	30					
1		MB-2083P		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.4430
2		MB-2087P(F)		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.7470
3		MB-2085P		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.5990
C/S Forging	G176C-300							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
19	193 CID (3.2L) G193, G4193, GF193 4 Cyl				3.750in./95.3mm x 4.375in./111.1mm			19
	206 CID (3.4L) G206 4 Cyl				3.813in./96.9mm x 4.375in./111.1mm			
Rod Bearing(4)	TM-112	CB-618P	STD, 10, 20, 30	2.2490/2.2500	0.0011/0.0036	0.0617	2.3740/2.3745	1.0800
Main Bearing Set	TM-112	MS-566P-10	30					
1		MB-2083P		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.4430
2		MB-2087P(F)		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.7470
3		MB-2085P		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.5990
Rod Forging	G181-501M							
C/S Forging	G193C-202							
Connecting Rod	75 Lbs.Ft.							
Main Bearing	100 Lbs.Ft.							
20	201 CID (3.3L) E201, ED201 4 Cyl				3.625in./92.1mm x 4.875in./123.8mm			20
	208 CID (3.4L) E208 Flex 4 Cyl				3.687in./93.7mm x 4.875in./123.8mm			
	208 CID (3.4L) E400 4 Cyl				3.687in./93.7mm x 4.875in./123.8mm			
	208 CID (3.4L) ED208 Diesel 4 Cyl				3.687in./93.7mm x 4.875in./123.8mm			
	223 CID (3.7L) E223 4 Cyl				3.813in./96.9mm x 4.875in./123.8mm			
	223 CID (3.7L) E223 LPG 4 Cyl				3.813in./96.9mm x 4.875in./123.8mm			
	223 CID (3.7L) EB223 4 Cyl				3.875in./98.4mm x 4.875in./123.8mm			
	223 CID (3.7L) EB223 LPG 4 Cyl				3.875in./98.4mm x 4.875in./123.8mm			
	242 CID (4.0L) E242 Flex 4 Cyl				3.813in./96.9mm x 5.125in./130.2mm			
	242 CID (4.0L) EB242 4 Cyl				3.813in./96.9mm x 5.125in./130.2mm			
	242 CID (4.0L) EB242 LPG 4 Cyl				3.813in./96.9mm x 5.125in./130.2mm			
	242 CID (4.0L) ED242 Diesel 4 Cyl				3.875in./98.4mm x 5.125in./130.2mm			
	243 CID (4.0L) E243, ED243 4 Cyl				3.813in./96.9mm x 4.875in./123.8mm			
Rod Bearing(4)	TM-77	CB-596P	STD, 10	2.2480/2.2490	0.0013/0.0034	0.0621	2.3740/2.3745	1.3220
Piston Pin Bushing(4)	C-1	223-3516	STD					
NOTE: Requires Light Reaming								
Connecting Rod	70 To 75 Lbs.Ft.							



CONTINENTAL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
21	227 CID (3.7L) H227 4 Cyl			3.625in./92.1mm x 5.500in./139.7mm				21
	243 CID (4.0L) H243 4 Cyl			3.750in./95.3mm x 5.500in./139.7mm				
	260 CID (4.3L) H260,H260A 4 Cyl			3.875in./98.4mm x 5.500in./139.7mm				
	277 CID (4.5L) H277 4 Cyl			4.000in./101.6mm x 5.500in./139.7mm				
Rod Bearing(4)	TM-77	CB-405P	STD,10,20,30	2.4980/2.4990	0.0009/0.0030	0.0623	2.6240/2.6245	1.4780
Piston Pin Bushing(4)	C-1	223-3517	STD			0.0680	1.3698/1.3723	1.2600
NOTE: Requires Light Reaming								
C/S Forging H260C-602, H260C-603								
Connecting Rod 40 To 45 Lbs.Ft. (260 CID (4.3L) H260,277 CID (4.5L) H277)								
Connecting Rod 70 To 75 Lbs.Ft. (227 CID (3.7L) H227,243 CID (4.0L) H243)								
22	243 CID (4.0L) HD243 Diesel 4 Cyl			3.875in./98.4mm x 4.875in./123.8mm				22
	260 CID (4.3L) HD260 Diesel 4 Cyl			3.875in./98.4mm x 5.500in./139.7mm				
	277 CID (4.5L) HD277 Diesel 4 Cyl			4.000in./101.6mm x 5.500in./139.7mm				
Rod Bearing(4)	TM-112	CB-459P	STD	2.4980/2.4990	0.0017/0.0042	0.0619	2.6240/2.6245	1.4780
Piston Pin Bushing(4)	C-1	223-3517	STD			0.0680	1.3698/1.3723	1.2600
NOTE: Requires Light Reaming								
C/S Forging HD260C-204, HD260C-424								
Connecting Rod 40 To 45 Lbs.Ft.								
6 CYL								
23	170 CID (2.8L) D6170,DS6170,F170,F6170,PD170,PF170 6 Cyl			3.000in./76.2mm x 4.375in./111.1mm				23
	184 CID (3.0L) D6184 6 Cyl			3.125in./79.4mm x 3.980in./101.1mm				
	184 CID (3.0L) DS6184 6 Cyl			3.125in./79.4mm x 4.000in./101.6mm				
	186 CID (3.0L) F186,F6186,PF186 6 Cyl			3.000in./76.2mm x 4.375in./111.1mm				
	199 CID (3.3L) D6199,PD199 6 Cyl			3.250in./82.6mm x 4.375in./111.1mm				
	199 CID (3.3L) F199,F6199,PF199 6 Cyl			3.250in./82.6mm x 4.000in./101.6mm				
	202 CID (3.3L) D202,DS202,DS6202,PD202 6 Cyl			3.125in./79.4mm x 4.375in./111.1mm				
	206 CID (3.4L) F206 6 Cyl			3.250in./82.6mm x 4.000in./101.6mm				
	209 CID (3.4L) F209,PF209 6 Cyl			3.188in./80.98mm x 4.375in./111.1mm				
	214 CID (3.5L) F214 6 Cyl			3.250in./82.6mm x 4.375in./111.1mm				
	218 CID (3.6L) D6218,F218,F6218,PD218,PF218 6 Cyl			3.250in./82.6mm x 4.375in./111.1mm				
Rod Bearing(3)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 2,4, And 6								
Rod Bearing(3)	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 1,3, And 5								
Main Bearing Set	TM-77	MS-194P-10	20,30					
1		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
2-3		MB-1404P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.3170
4		MB-1405P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set(2)		TW-424S MB-1403W	STD	2.2812			3.0625	0.0960
NOTE: Contains 1 Piece, Position Number 1								
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Piston Pin Bushing(6)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring								



CONTINENTAL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
23 (Cont.)	170 CID (2.8L)	D6170,DS6170,F170,F6170,PD170,PF170 6 Cyl			3.000in./76.2mm x 4.375in./111.1mm			23 (Cont.)
	184 CID (3.0L)	D6184 6 Cyl			3.125in./79.4mm x 3.980in./101.1mm			
	184 CID (3.0L)	DS6184 6 Cyl			3.125in./79.4mm x 4.000in./101.6mm			
	186 CID (3.0L)	F186,F6186,PF186 6 Cyl			3.000in./76.2mm x 4.375in./111.1mm			
	199 CID (3.3L)	D6199,PD199 6 Cyl			3.250in./82.6mm x 4.375in./111.1mm			
	199 CID (3.3L)	F199,F6199,PF199 6 Cyl			3.250in./82.6mm x 4.000in./101.6mm			
	202 CID (3.3L)	D202,DS202,DS6202,PD202 6 Cyl			3.125in./79.4mm x 4.375in./111.1mm			
	206 CID (3.4L)	F206 6 Cyl			3.250in./82.6mm x 4.000in./101.6mm			
	209 CID (3.4L)	F209,PF209 6 Cyl			3.188in./80.98mm x 4.375in./111.1mm			
214 CID (3.5L)	F214 6 Cyl			3.250in./82.6mm x 4.375in./111.1mm				
218 CID (3.6L)	D6218,F218,F6218,PD218,PF218 6 Cyl			3.250in./82.6mm x 4.375in./111.1mm				
Rod Forging C/S Forging	D600D-500, F400D-502, F600D-500, F600D-502, F218D-3022, F218D-3032 209229, 732596, 733536, 733863, 734452, 734542, 928928, 7325596, B600C-601, D186C-300, D600C-218, D600C-368, D600C-601, D600C-602, D600C-603, F186C-300, F400C-209							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	100 To 110 Lbs.Ft.							
24	202 CID (3.3L)	D6202 6 Cyl			3.125in./79.4mm x 4.375in./111.1mm			24
	218 CID (3.6L)	DS6218 6 Cyl			3.250in./82.6mm x 4.375in./111.1mm			
Rod Bearing(3) NOTE: Positions 2,4, And 6	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
Rod Bearing(3) NOTE: Positions 1,3, And 5	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
Main Bearing Set 1 2-3 4 NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings	TM-77	MS-194P-10 MB-1403P MB-1404P MB-1405P	20,30	2.2490/2.2500 2.2490/2.2500 2.2490/2.2500	0.0005/0.0027 0.0005/0.0027 0.0001/0.0028	0.0932 0.0932 0.0932	2.4365/2.4372 2.4365/2.4372 2.4365/2.4372	1.1300 1.3170 1.6300
Thrust Washer Set(2) NOTE: Contains 1 Piece, Position Number 1		TW-424S MB-1403W	STD	2.2812			3.0625	0.0960
Cam Bearing Set 1 2 3 4	AL-3	SH-190S SH-1211 SH-191 SH-56 SH-57	STD	1.8715/1.8725 1.8085/1.8095 1.7457/1.7465 1.2465/1.2475	0.0020/0.0050 0.0020/0.0050 0.0024/0.0057 0.0010/0.0050	0.0628 0.0630 0.0628 0.0628	1.9995/2.0000 1.9370/1.9380 1.8745/1.8750 1.3745/1.3750	0.8850 0.9480 1.6350 1.1660
Rod Forging C/S Forging	D600D-500, F400D-502, F600D-500, F600D-502, F218D-3022, F218D-3032 209229, 732596, 733536, 733863, 734452, 734542, 928928, 7325596, B600C-601, D186C-300, D600C-218, D600C-368, D600C-601, D600C-602, D600C-603, F186C-300, F400C-209							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	100 To 110 Lbs.Ft.							
25	209 CID (3.4L)	24B 6 Cyl			3.188in./80.98mm x 4.375in./111.1mm			25
	226 CID (3.7L)	6226,PF226 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm			
Rod Bearing(3) NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
Rod Bearing(3) NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
Cam Bearing Set 1 2 3 4	AL-3	SH-190S SH-1211 SH-191 SH-56 SH-57	STD	1.8715/1.8725 1.8085/1.8095 1.7457/1.7465 1.2465/1.2475	0.0020/0.0050 0.0020/0.0050 0.0024/0.0057 0.0010/0.0050	0.0628 0.0630 0.0628 0.0628	1.9995/2.0000 1.9370/1.9380 1.8745/1.8750 1.3745/1.3750	0.8850 0.9480 1.6350 1.1660
Rod Forging C/S Forging	F600D-310, F600D-402, F600D-405 F600C-217, F600C-344, F600C-368, F600C-502, F600C-504, F600C-536, F600C-601, F600C-500A, F600C-502A, F600C-506A, F600C-606A, F600C-606C							
Connecting Rod	40 To 45 Lbs.Ft.							
26	209 CID (3.4L)	F6209 6 Cyl			3.188in./80.98mm x 4.375in./111.1mm			26
Rod Bearing(3) NOTE: Engines With 1.937" Diameter Connecting Rod Journals, Positions 2,4, And 6	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300



CONTINENTAL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
26 (Cont.)	209 CID (3.4L) F6209 6 Cyl			3.188in./80.98mm x 4.375in./111.1mm				26 (Cont.)
Rod Bearing(3)	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Engines With 1.937" Diameter Connecting Rod Journals, Positions 1,3, And 5								
Rod Bearing(3)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Engines With 2.062" Diameter Connecting Rod Journals,Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Engines With 2.062" Diameter Connecting Rod Journals,Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Main Bearing Set	TM-77	MS-194P-10	20,30					
1		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
2-3		MB-1404P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.3170
4		MB-1405P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Engines With 2.250" Diameter Main Bearing Journals,Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set		TW-424S	STD	2.2812			3.0625	0.0960
NOTE: Engines With 2.250" Diameter Main Bearing Journals, Contains 1 Piece, Position Number 1								
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Engines With 1.937" Diameter Connecting Rod Journals, Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Engines With 1.937" Diameter Connecting Rod Journals, Requires Boring								
Rod Forging	D600D-500, F400D-502, F600D-500, F600D-502, F218D-3022, F218D-3032							
C/S Forging	209229, 732596, 733536, 733863, 734452, 734542, 928928, 7325596, B600C-601, D186C-300, D600C-218, D600C-368, D600C-601, D600C-602, D600C-603, F186C-300, F400C-209							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	100 To 110 Lbs.Ft.							
27	226 CID (3.7L) CF6226,F6226 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				27
	226 CID (3.7L) F226 Flex 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				
Rod Bearing(3)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Piston Pin Bushing(6)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	F600D-310, F600D-402, F600D-405							
C/S Forging	F600C-217, F600C-344, F600C-368, F600C-502, F600C-504, F600C-536, F600C-601, F600C-500A, F600C-502A, F600C-506A, F600C-606A, F600C-606C							



CONTINENTAL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
27 (Cont.)	226 CID (3.7L) CF6226,F6226 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				27 (Cont.)
	226 CID (3.7L) F226 Flex 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
28	226 CID (3.7L) FO6226 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				28
Rod Bearing(3)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	F226-400, F226D-500							
C/S Forging	F0600C-600							
Connecting Rod	40 To 45 Lbs.Ft.							
29	227 CID (3.7L) F227,F6227 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				29
	242 CID (4.0L) F242,F6242 6 Cyl			3.425in./87mm x 4.375in./111.1mm				
	245 CID (4.0L) F6245 6 Cyl			3.438in./87.3mm x 4.375in./111.1mm				
Rod Bearing(3)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Main Bearing Set	TM-77	MS-889P	STD,10,20,30					
1		MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2-3		MB-1225P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5615/2.5622	1.3170
4		MB-1686P(F)		2.3744/2.3752	0.0005/0.0023	0.0932	2.5616/2.5622	1.6320
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Piston Pin Bushing(6)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	731057							
C/S Forging	209229, 732596, 733536, 733863, 734452, 734542, 928928, 7325596, F600C-243							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
30	244 CID (4.0L) A244 6 Cyl			3.438in./87.3mm x 4.375in./111.1mm				30
	244 CID (4.0L) A6244,F244,F6244 6 Cyl			3.438in./87.33mm x 4.375in./111.1mm				
Rod Bearing(3)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								



CONTINENTAL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
30 (Cont.)	244 CID (4.0L) A244 6 Cyl			3.438in./87.3mm x 4.375in./111.1mm				30 (Cont.)
	244 CID (4.0L) A6244,F244,F6244 6 Cyl			3.438in./87.33mm x 4.375in./111.1mm				
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
31	245 CID (4.0L) F245 6 Cyl			3.438in./87.33mm x 4.375in./111.1mm				31
Rod Bearing(3)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Main Bearing Set	TM-77	MS-889P	STD,10,20,30					
1		MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2-3		MB-1225P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5615/2.5622	1.3170
4		MB-1686P(F)		2.3744/2.3752	0.0005/0.0023	0.0932	2.5616/2.5622	1.6320
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	731057							
C/S Forging	209229, 732596, 733536, 733863, 734452, 734542, 928928, 7325596, F600C-243							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
32	4019CC (4.0L) TM40 6 Cyl			3.583in./91mm x 4.055in./103mm				32
	4019CC (4.0L) TMD40 Turbocharged Diesel 6 Cyl			3.583in./91mm x 4.055in./103mm				
Rod Bearing(6)	TM-77	CB-1378P	STD,.25mm	1.9365/1.9375	0.0006/0.0031	0.0617	2.0615/2.0620	0.9700
33	253 CID (4.2L) M6253 6 Cyl			3.500in./88.9mm x 4.375in./111.1mm				33
	271 CID (4.4L) K6271,M271,M6271 6 Cyl			3.625in./92.1mm x 4.375in./111.1mm				
	290 CID (4.8L) 38B 6 Cyl			3.750in./95.3mm x 3.750in./95.3mm				
	290 CID (4.8L) K6290,M6290 6 Cyl			3.750in./95.3mm x 4.375in./111.1mm				
	290 CID (4.8L) M290 6 Cyl			3.750in./95.3mm x 4.625in./117.5mm				
	330 CID (5.4L) 40B 6 Cyl			4.000in./101.6mm x 3.750in./95.3mm				
	330 CID (5.4L) K6330,M330,M6300,M6330 6 Cyl			4.000in./101.6mm x 4.375in./111.1mm				
	338 CID (5.6L) M6338 6 Cyl			4.000in./101.6mm x 4.375in./111.1mm				
	363 CID (5.9L) K6363,M363,M6363 6 Cyl			4.000in./101.6mm x 4.813in./122.3mm				
427 CID (7.0L) K6427 6 Cyl			4.313in./109.6mm x 4.875in./123.8mm					
Rod Bearing(6)	TM-112	CB-510P	STD,10,30	2.2480/2.2490	0.0013/0.0038	0.0621	2.3740/2.3745	1.3850
C/S Forging	K600C-303, K600C-600, M600C-203, M600C-302, M600C-303, M600C-335, M600C-501, M600C-503							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							



CONTINENTAL (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
34	427 CID (7.0L) LDS427 Diesel 6 Cyl				4.313in./109.6mm x 4.875in./123.8mm				34
	465 CID LD465,LDS465 Diesel 6 Cyl				4.500in./114.3mm x 4.875in./123.8mm				
	478 CID (7.8L) L478,L6478 6 Cyl				3.563in./90.5mm x 4.875in./123.8mm				
	478 CID (7.8L) LD478 Diesel 6 Cyl				4.500in./114.3mm x 4.875in./123.8mm				
	478 CID (7.8L) LDS478 Diesel 6 Cyl				4.563in./115.9mm x 4.875in./123.8mm				
Rod Bearing(6)	TM-112	CB-954P	STD,10,20	2.9970/2.9980	0.0027/0.0057	0.1254	3.2510/3.2520	1.4530	
Rod Forging	L478C-400								
C/S Forging	LD427C-501								
Connecting Rod	100 Lbs.Ft. (1/2" Bolts)								
Connecting Rod	120 Lbs.Ft. (9/16" Bolts)								
Connecting Rod	25 Lbs.Ft. (5/16" Bolts)								
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)								
Connecting Rod	60 Lbs.Ft. (7/16" Bolts)								
CUMMINS									
ENGINE DATA									
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block		
3 CYL				4 CYL (Cont.)					
3B 180 CID (3.0L) Diesel	4.016in./102mmX4.724in./120mm		1	NT200 495 CID (8.1L) Diesel	5.125in./130.2mmX6.000in./152.4mm		7		
3BT 180 CID (3.0L) Diesel	4.016in./102mmX4.724in./120mm		1	Turbocharged					
4 CYL				6 CYL					
4-390 239 CID (3.9L) Diesel	4.016in./102mmX4.724in./120mm		2	6-590 359 CID (5.9L) Diesel	4.016in./102mmX4.724in./120mm		9		
4B3.9M 239 CID (3.9L) Diesel	4.016in./102mmX4.724in./120mm		2	6B5.9M 359 CID (5.9L) Diesel	4.016in./102mmX4.724in./120mm		9		
4B 239 CID (3.9L) Diesel	4.016in./102mmX4.724in./120mm		2	6B 359 CID (5.9L) Diesel	4.016in./102mmX4.724in./120mm		9		
4BT3.9 239 CID (3.9L) Diesel	4.016in./102mmX4.724in./120mm		2	6BT5.9 359 CID (5.9L) Diesel	4.016in./102mmX4.724in./120mm		9		
Turbocharged				Turbocharged					
4BT3.9M 239 CID (3.9L) Diesel	4.016in./102mmX4.724in./120mm		2	6BT5.9M 359 CID (5.9L) Diesel	4.016in./102mmX4.724in./120mm		9		
Turbocharged				Turbocharged					
4BT 239 CID (3.9L) Diesel	4.016in./102mmX4.724in./120mm		2	6BT 359 CID (5.9L) Diesel	4.016in./102mmX4.724in./120mm		9		
Turbocharged				Turbocharged					
4BTA3.9M 239 CID (3.9L) Diesel	4.016in./102mmX4.724in./120mm		2	6BTA5.9 359 CID (5.9L) Diesel	4.016in./102mmX4.724in./120mm		9		
Turbocharged/Aftercooled				Turbocharged/Aftercooled					
4BTA 239 CID (3.9L) Diesel	4.016in./102mmX4.724in./120mm		2	6BTA5.9M 359 CID (5.9L) Diesel	4.016in./102mmX4.724in./120mm		9		
Turbocharged				Turbocharged/Aftercooled					
4T-390 239 CID (3.9L) Diesel	4.016in./102mmX4.724in./120mm		2	6BTA 359 CID (5.9L) Diesel	4.016in./102mmX4.724in./120mm		9		
Turbocharged				Turbocharged/Aftercooled					
C90 309 CID (5.1L) Diesel	4.438in./112.7mmX5.000in./127mm		4	6CTA 505 CID (8.3L) Diesel	4.488in./114mmX5.320in./135.1mm		12		
C105 309 CID (5.1L) Diesel	4.438in./112.7mmX5.000in./127mm		4	Turbocharged					
C140 309 CID (5.1L) Diesel	4.438in./112.7mmX5.000in./127mm		4	6T-590 359 CID (5.9L) Diesel	4.016in./102mmX4.724in./120mm		9		
Turbocharged				Turbocharged					
C309 309 CID (5.1L) Diesel	4.437in./112.7mmX5.000in./127mm		4	88NT Big Cam IV 855 CID (14.0L)	5.500in./139.7mmX6.000in./152.4mm		18		
H4 448 CID (7.3L) Diesel	4.875in./123.8mmX6.000in./152.4mm		6	Diesel Turbocharged					
H135 448 CID (7.3L) Diesel	4.875in./123.8mmX6.000in./152.4mm		5	C160 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm		10		
HA4 448 CID (7.3L) Diesel	4.875in./123.8mmX6.000in./152.4mm		6	C160M 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm		10		
HB4 448 CID (7.3L) Diesel	4.875in./123.8mmX6.000in./152.4mm		6	C175 (Late) 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm		10		
HR4 495 CID (8.1L) Diesel	5.125in./130.2mmX6.000in./152.4mm		5	Turbocharged					
HR160 495 CID (8.1L) Diesel	5.125in./130.2mmX6.000in./152.4mm		5	C180 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm		10		
HRC4 495 CID (8.1L) Diesel	5.125in./130.2mmX6.000in./152.4mm		5	Supercharged					
J4 267 CID (4.4L) Diesel	4.125in./104.8mmX5.000in./127mm		3	C180M 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm		10		
J70 267 CID (4.4L) Diesel	4.125in./104.8mmX5.000in./127mm		3	Supercharged					
J80 267 CID (4.4L) Diesel	4.125in./104.8mmX5.000in./127mm		3	C190 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm		10		
J120 267 CID (4.4L) Diesel	4.125in./104.8mmX5.000in./127mm		3	Turbocharged					
N495 495 CID (8.1L) Diesel	5.125in./130.2mmX6.000in./152.4mm		7	C195 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm		10		
NH4 495 CID (8.1L) Diesel	5.125in./130.2mmX6.000in./152.4mm		7	Turbocharged					
NHC4 495 CID (8.1L) Diesel	5.125in./130.2mmX6.000in./152.4mm		7	C200 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm		10		
NT4 495 CID (8.1L) Diesel	5.125in./130.2mmX6.000in./152.4mm		7	C240 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm		10		
Turbocharged				C464 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm		10		
NT165 495 CID (8.1L) Diesel	5.125in./130.2mmX3.441in./87.4mm		7	C464B160 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm		10		
Turbocharged				C464C160 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm		10		
NT180 495 CID (8.1L) Diesel	5.125in./130.2mmX6.000in./152.4mm		7	C464P160 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm		10		
Turbocharged				C Series 505 CID (8.3L) Diesel	4.490in./114mmX5.320in./135.1mm		12		
				CF160 464 CID (7.6L) Diesel	4.437in./112.7mmX5.000in./127mm		10		



CUMMINS (Cont.)

ENGINE DATA (Cont.)					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
CR160 464 CID (7.6L) Diesel Supercharged	4.437in./112.7mmX5.000in./127mm	10	Formula C350 Big Cam III 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
CS195 464 CID (7.6L) Diesel Supercharged	4.437in./112.7mmX5.000in./127mm	10	Formula C400 Big Cam III 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
CS464 464 CID (7.6L) Diesel Supercharged	4.437in./112.7mmX5.000in./127mm	10	GNH180 464 CID (7.6L) Diesel	4.438in./112.7mmX5.000in./127mm	11
CS464B180 464 CID (7.6L) Diesel Supercharged	4.437in./112.7mmX5.000in./127mm	10	GNH220 743 CID (12.2L)	5.125in./130.2mmX6.000in./152.4mm	16
CS464C180 464 CID (7.6L) Diesel Supercharged	4.437in./112.7mmX5.000in./127mm	10	GNH220GC 743 CID (12.2L)	5.125in./130.2mmX6.000in./152.4mm	16
CS464C195 464 CID (7.6L) Diesel Supercharged	4.437in./112.7mmX5.000in./127mm	10	GNH220P 743 CID (12.2L)	5.125in./130.2mmX6.000in./152.4mm	16
CS464P180 464 CID (7.6L) Diesel Supercharged	4.437in./112.7mmX5.000in./127mm	10	GNH250GC 855 CID (14.0L)	5.500in./139.7mmX6.000in./152.4mm	18
CT160 464 CID (7.6L) Diesel Turbocharged	4.437in./112.7mmX5.000in./127mm	10	GNH250P 855 CID (14.0L)	5.500in./139.7mmX6.000in./152.4mm	18
CT464 464 CID (7.6L) Diesel Turbocharged	4.437in./112.7mmX5.000in./127mm	10	H6 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15
Fleet 270 Big Cam II 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	H672 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15
Fleet 300 Big Cam III 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	H743 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
Fleet 300 Big Cam IV 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HA6 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15
Formula 230 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	HB6 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15
Formula 240 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HBS6 672 CID (11.0L) Diesel Supercharged	4.875in./123.8mmX6.000in./152.4mm	15
Formula 240 Big Cam III 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HHC4 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15
Formula 250 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HMR6 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15
Formula 270 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HR6 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
Formula 270 Big Cam III 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HR6B1 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
Formula 290 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HR6B 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
Formula 300 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HR16 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
Formula 300 Big Cam III 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HR672 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15
Formula 300 Big Cam IV 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HR743 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
Formula 315 Big Cam IV 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HRB16 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
Formula 350 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HRBB6 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
Formula 350 Big Cam III 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HRBB 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
Formula 350 Big Cam IV 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HRF6 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
Formula 365 Big Cam IV 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HRF 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
Formula 400 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HRM6 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
Formula 400 Big Cam III 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HRP6 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
Formula 400 Big Cam IV 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HS6 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16
Formula 525 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	HRS6B 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16
Formula C290 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HRS 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16
Formula C300 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HS6 672 CID (11.0L) Diesel Supercharged	4.875in./123.8mmX6.000in./152.4mm	15
Formula C300 Big Cam III 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HS672 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15
Formula C350 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	HS743 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
			HS 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15
			J6 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10
			J40 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10
			J401 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10
			J 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10
			JBS6 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10
			JF6 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10
			JN6 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10
			JNF6 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10
			JNS6 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10
			JS6 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10
			JS401 401 CID (6.6L) Diesel Supercharged	4.125in./104.8mmX5.000in./127mm	10
			JT6 401 CID (6.6L) Diesel	4.125in./104.8mmX5.000in./127mm	10
			JT401 401 CID (6.6L) Diesel Turbocharged	4.125in./104.8mmX5.000in./127mm	10
			KT6 1150 CID (18.8L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	21
			KT450 1150 CID (18.8L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	21
			KT1150 1150 CID (18.8L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	21
			KT1150C450 1150 CID (18.8L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	21



CUMMINS (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
KT1150C 1150 CID (18.8L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	21	NFT365 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
KTA600 1150 CID (18.8L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	21	NFT 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	17
L10 611 CID (10.0L) Diesel	4.921in./125mmX5.354in./136mm	14	NH6 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16
LT-10 611 CID (10.0L) Diesel Turbocharged	4.921in./125mmX5.354in./136mm	14	NH180 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15
LTA-10 611 CID (10.0L) Diesel Turbocharged	4.921in./125mmX5.354in./136mm	14	NH195 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15
LV8 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NH200 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
M11 (11HP-Horizontal Shaft) Magnum 661 CID (10.8L) Diesel Turbocharged	4.921in./125mmX5.787in./147mm	14	NH220 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
M11 Plus 661 CID (10.8L) Diesel Turbocharged	4.921in./125mmX5.787in./147mm	14	NH220GC 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
M11CELECT 661 CID (10.8L) Diesel Turbocharged	4.921in./125mmX5.787in./147mm	14	NH220GS 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16
M11E 661 CID (10.8L) Diesel Turbocharged	4.921in./125mmX5.787in./147mm	14	NH220IF 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
M11E CELECT 661 CID (10.8L) Diesel Turbocharged	4.921in./125mmX5.787in./147mm	14	NH230 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
M11E Plus 661 CID (10.8L) Diesel Turbocharged	4.921in./125mmX5.787in./147mm	14	NH230B 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
MVT Big Cam IV 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NH230T 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
N14 Plus 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	19	NH240 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
N14-330E 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19	NH250 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
N14-330ESP 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19	NH250B 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
N14-350E 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19	NH250C 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
N14-370E 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19	NH250M 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
N14-370ESP 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19	NH250P 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
N14-410E 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19	NH270 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
N14-435E 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19	NH672 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15
N14-435ESP 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19	NH743 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
N14-460E 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19	NH855 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
N14-485E 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19	NHB6 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
N14-525E 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	19	NHC5 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
N14CELECT 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	19	NHC250 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
N14E 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	19	NHC270 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
N14E CELECT 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	19	NHC400 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
N14E Plus 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	19	NHCT270 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
N14STC 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	19	NHCT290 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
N672 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15	NHCT Series 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
N743 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	NHD180 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15
N855 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHD230 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
N855-250 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHE180 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
N855C220 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHE195 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
N855C235 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHE220 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
N855C 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHE225 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
N855L3 (235) 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHE225B 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
N855L235 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHF240 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
N855L 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHF265 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
N855M 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHH6 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
N855P190 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHH180 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15
N855P220 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHH195 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15
N855P235 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHH220 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	15
N855P250 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHH250 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
N855R2 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHH260 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
N855R 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18	NHHCT335 855 CID (14.0L) Diesel Turbocharged/Intercooled	5.500in./139.7mmX6.000in./152.4mm	18
N927 927 CID (15.2L) Diesel	5.500in./139.7mmX6.500in./165.1mm	20	NHHE Series 855 CID (14.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	18
NFT295 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NHHR Series 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16
			NHHR5 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16
			NHHR6 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16
			NHHR7 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	16
			NHHR8 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	16



CUMMINS (Cont.)

ENGINE DATA (Cont.)					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
NHHS 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16	NS743P320 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16
NHHT6 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	16	NT6 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	16
NHHT Series 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	16	NT270 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NHHTC290 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NT270GC 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NHHTC290 Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NT270GS 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NHHTC290 Formula 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NT280 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NHHTC290 Formula Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NT280IF 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NHHTC335 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NT290 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NHHTC-B300 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	16	NT300 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NHHTCC290 Formula 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NT310 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NHHTCC335 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NT310GC 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NHHTCC350 855 CID (14.0L) Diesel Turbocharged/Intercooled	5.500in./139.7mmX6.000in./152.4mm	18	NT310GS 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NHHTCC350 Big Cam II 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NT320 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NHHTO 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	16	NT335 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NHR Series 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	16	NT335GC 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NHRS6 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16	NT335GS 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NHRS300 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16	NT335M 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NHRS 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16	NT350 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NHRT6 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	16	NT370 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NHS6 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16	NT380 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NHS275 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16	NT380IF 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NHS Series 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16	NT380M 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NHT Series 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NT400 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NHTF295 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NT400GC 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NRT6 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	16	NT400GS 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NRT20 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	16	NT420 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NRT 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	16	NT743 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	16
NRTO6 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	16	NT855 Big Cam III 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NRTO 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	16	NT855 Series 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NS743 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16	NT855-210 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NS743B290 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16	NT855-310 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NS743B320 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16	NT855B310 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NS743C290 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16	NT855B335 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NS743C320 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16	NT855B380 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NS743P290 743 CID (12.2L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	16			



CUMMINS (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
NT855C250 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NT855R2 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855C250 Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NT855R4 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855C280 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NT855R 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855C280 Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NT 743 CID (12.2L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	16
NT855C310 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA370-370 hp. 855 CID (14.0L) Diesel Turbocharged/Aftercooled	5.500in./139.7mmX6.000in./152.4mm	18
NT855C310 Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA370B 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855C335 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA380 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855C335 Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA400 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855C380 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA420 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855C 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA420 F.F.C. 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855F1 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA420C 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855F2 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855 Big Cam III 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855F3 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855 Series 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855F4 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855-400 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855G 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855-420 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855G Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855-450 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855GC 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855C360 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855GC Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855C360 Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855GCII 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855C380 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855GS 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855C400 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855GS Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855C420 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855L4 (335) 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855C 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855L335 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855F3 Big Cam II 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855L335 Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855F4 Big Cam II 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855L 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855F 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855M 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855F Big Cam II 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855M Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855G 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855P280 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855GC 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855P310 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855G Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855P335 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855GS 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855P335 Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855GS Big Cam I 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855P380 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855L3 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855P 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855L3 (400) 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18
NT855R1 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	NTA855L4 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18



ENGINE DATA (Cont.)

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CUMMINS (Cont.)

ENGINE DATA (Cont.)

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CUMMINS (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			8 CYL (Cont.)		
Power Torque 330D 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	VT555 Small Cam 555 CID (9.1L) Diesel Turbocharged	4.625in./117.5mmX4.125in./104.8mm	24
Power Torque C240 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	VT555C 555 CID (9.1L) Diesel Turbocharged	4.625in./117.5mmX4.125in./104.8mm	24
STC Big Cam IV 855 CID (14.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	18	VT555C Big Cam I 555 CID (9.1L) Diesel Turbocharged	4.625in./117.5mmX4.125in./104.8mm	25
Super 250 927 CID (15.2L) Diesel	5.500in./139.7mmX6.500in./165.1mm	20	VT555M Big Cam I 555 CID (9.1L) Diesel Turbocharged	4.625in./117.5mmX4.125in./104.8mm	25
Super 270 927 CID (15.2L) Diesel	5.500in./139.7mmX6.500in./165.1mm	20	VT785 785 CID (12.9L) Diesel Turbocharged	5.500in./139.7mmX4.125in./104.8mm	27
Super 300 927 CID (15.2L) Diesel	5.500in./139.7mmX6.500in./165.1mm	20	VT903 903 CID (14.8L) Diesel Turbocharged	5.500in./139.7mmX4.750in./120.7mm	28
Super 330 927 CID (15.2L) Diesel	5.500in./139.7mmX6.500in./165.1mm	20	VT903C320 903 CID (14.8L) Diesel Turbocharged	5.500in./139.7mmX4.750in./120.7mm	28
V6-140 352 CID (5.8L) Diesel	4.625in./117.5mmX3.500in./88.9mm	8	VT903C350 903 CID (14.8L) Diesel Turbocharged	5.500in./139.7mmX4.750in./120.7mm	28
V6-140B 352 CID (5.8L) Diesel	4.625in./117.5mmX3.500in./88.9mm	8	VT903C375 903 CID (14.8L) Diesel Turbocharged	5.500in./139.7mmX4.750in./120.7mm	28
V6-155 378 CID (6.2L) Diesel	4.625in./117.5mmX3.500in./88.9mm	8	12 CYL		
V6-200 588 CID (9.6L) Diesel	5.500in./139.7mmX4.125in./104.8mm	13	K38 2301 CID (37.7L) Diesel	6.250in./158.8mmX6.250in./158.8mm	32
V6-215 588 CID (9.6L) Diesel	5.500in./139.7mmX4.125in./104.8mm	13	KT38 2301 CID (37.7L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	32
V6E-195 588 CID (9.6L) Diesel	5.500in./139.7mmX4.125in./104.8mm	13	KTA38 2301 CID (37.7L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	32
V6R-180 588 CID (9.6L) Diesel	5.500in./139.7mmX4.125in./104.8mm	13	KTTA38 2301 CID (37.7L) Diesel Turbocharged	6.250in./158.8mmX6.250in./158.8mm	32
V352 352 CID (5.8L) Diesel	4.625in./117.5mmX3.500in./88.9mm	8	NVH12 1485 CID (24.4L) Diesel	5.125in./130.2mmX6.000in./152.4mm	29
V378 378 CID (6.2L) Diesel	4.625in./117.5mmX3.500in./88.9mm	8	NVH 1485 CID (24.4L) Diesel	5.125in./130.2mmX6.000in./152.4mm	29
V378C Big Cam I 378 CID (6.2L) Diesel	4.625in./117.5mmX3.500in./88.9mm	8	NVHS 1485 CID (24.4L) Diesel Supercharged	5.125in./130.2mmX6.000in./152.4mm	29
V588 588 CID (9.6L) Diesel	5.500in./139.7mmX4.125in./104.8mm	13	V12-500 1710 CID (28.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	30
VT6-200 588 CID (9.6L) Diesel Turbocharged	5.500in./139.7mmX4.125in./104.8mm	13	V12-800 1710 CID (28.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	30
VT6-280 588 CID (9.6L) Diesel Turbocharged	5.500in./139.7mmX4.125in./104.8mm	13	V1710 1710 CID (28.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	31
VT588 588 CID (9.6L) Diesel Turbocharged	5.500in./139.7mmX4.125in./104.8mm	13	V1710C500 1710 CID (28.0L) Diesel	5.500in./139.7mmX6.000in./152.4mm	31
8 CYL			VT12 1485 CID (24.4L) Diesel Turbocharged	5.125in./130.2mmX6.000in./152.4mm	29
Formula 903 903 CID (14.8L) Diesel	5.500in./139.7mmX4.750in./120.7mm	28	VT700 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	30
V8-185 470 CID (7.7L) Diesel	4.625in./117.5mmX3.500in./88.9mm	22	VT900 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	30
V8-210 504 CID (8.3L) Diesel	4.625in./117.5mmX3.750in./95.3mm	22	VT1710 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31
V8-265 785 CID (12.9L) Diesel	5.500in./139.7mmX4.125in./104.8mm	27	VT1710C525 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31
V8-300 785 CID (12.9L) Diesel	5.500in./139.7mmX4.125in./104.8mm	27	VT1710C635 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31
V8E-235 785 CID (12.9L) Diesel	5.500in./139.7mmX4.125in./104.8mm	27	VT1710C635 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31
V8R-240 785 CID (12.9L) Diesel	5.500in./139.7mmX4.125in./104.8mm	27	VT1710C635 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31
V470 470 CID (7.7L) Diesel	4.625in./117.5mmX3.500in./88.9mm	22	VT1710C635 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31
V504 504 CID (8.3L) Diesel	4.625in./117.5mmX3.750in./95.3mm	22	VT1710C635 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31
V504C Big Cam I 504 CID (8.3L) Diesel	4.625in./117.5mmX3.750in./95.3mm	23	VT1710C635 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31
V555 555 CID (9.1L) Diesel	4.625in./117.5mmX4.125in./104.8mm	24	VT1710C635 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31
V555C 555 CID (9.1L) Diesel	4.625in./117.5mmX4.125in./104.8mm	24	VT1710C635 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31
V785 785 CID (12.9L) Diesel	5.500in./139.7mmX4.125in./104.8mm	27	VT1710C635 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31
V903 903 CID (14.8L) Diesel	5.500in./139.7mmX4.750in./120.7mm	28	VT1710C635 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31
V903C 903 CID (14.8L) Diesel	5.500in./139.7mmX4.750in./120.7mm	28	VT1710C635 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31
VT8-370 785 CID (12.9L) Diesel Turbocharged	5.500in./139.7mmX4.125in./104.8mm	27	VT1710C635 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31
VT8-380 785 CID (12.9L) Diesel Turbocharged	5.500in./139.7mmX4.125in./104.8mm	27	VT1710C635 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31
VT225 Big Cam I 555 CID (9.1L) Diesel Turbocharged	4.625in./117.5mmX4.125in./104.8mm	25	VT1710C635 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31
VT225 Small Cam 555 CID (9.1L) Diesel Turbocharged	4.625in./117.5mmX4.125in./104.8mm	24	VT1710C635 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31
VT240 555 CID (9.1L) Diesel Turbocharged	4.625in./117.5mmX4.125in./104.8mm	26	VT1710C635 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31
VT240 Big Cam I 555 CID (9.1L) Diesel Turbocharged	4.625in./117.5mmX4.125in./104.8mm	25	VT1710C635 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31
VT555 555 CID (9.1L) Diesel Turbocharged	4.625in./117.5mmX4.125in./104.8mm	26	VT1710C635 1710 CID (28.0L) Diesel Turbocharged	5.500in./139.7mmX6.000in./152.4mm	31

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
2457-1	6.000in./152.4mm	15	101158	3.441in./87.4mm	7	121579	6.000in./152.4mm	17	127726	5.000in./127mm	3
2457-2	6.000in./152.4mm	16	121430	5.000in./127mm	11	122620	5.000in./127mm	10	127726	5.000in./127mm	10
20840	5.000in./127mm	4	121430	6.000in./152.4mm	16	127725	5.000in./127mm	4	143523	5.000in./127mm	10
20840	5.000in./127mm	3	121430	6.000in./152.4mm	15	127725	5.000in./127mm	3	147036	4.125in./104.8mm	13
20840	5.000in./127mm	10	121430	6.000in./152.4mm	18	127725	5.000in./127mm	10	147036	4.125in./104.8mm	27
101158	6.000in./152.4mm	7	121579	6.000in./152.4mm	18	127726	5.000in./127mm	4	156101	4.125in./104.8mm	13



CUMMINS (Cont.)											
CONNECTING ROD FORGING NUMBERS (Cont.)											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
156101	4.125in./104.8mm	27	180097	6.000in./152.4mm	30	3901085	4.724in./120mm	1	B-390124710	5.320in./135.1mm	12
160043	4.125in./104.8mm	13	180097	6.000in./152.4mm	31	3901085	4.724in./120mm	2	H-2354	6.000in./152.4mm	15
160043	4.125in./104.8mm	27	190128	6.000in./152.4mm	30	3901085	4.724in./120mm	9	H-2457	6.000in./152.4mm	15
166452	3.500in./88.9mm	8	190128	6.000in./152.4mm	31	3901566	4.724in./120mm	1	H-90146	6.000in./152.4mm	7
175635	4.125in./104.8mm	13	218808	6.000in./152.4mm	18	3901566	4.724in./120mm	2	H-90146	6.000in./152.4mm	16
175635	4.125in./104.8mm	27	218808	6.000in./152.4mm	17	3901566	4.724in./120mm	9	H-90146	6.000in./152.4mm	5
175637	4.125in./104.8mm	13	3027104	5.354in./136mm	14	390124715	5.320in./135.1mm	12	U-2354	6.000in./152.4mm	15
175637	4.125in./104.8mm	27	3078328	6.000in./152.4mm	19	A-2551	5.000in./127mm	4			
177378	4.125in./104.8mm	13	3820301	5.354in./136mm	14	A-2551	5.000in./127mm	3			
177378	4.125in./104.8mm	27	3820301R	5.354in./136mm	14	A-2551	5.000in./127mm	10			
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
0-123-1	6.000in./152.4mm	16	101109	6.000in./152.4mm	18	135580	5.000in./127mm	4	162187	6.000in./152.4mm	5
11M	6.000in./152.4mm	18	106071	5.000in./127mm	10	135580	5.000in./127mm	3	179440	4.125in./104.8mm	27
11M-14	6.000in./152.4mm	18	110760	5.000in./127mm	11	135581	5.000in./127mm	4	179450	4.125in./104.8mm	13
17M	6.000in./152.4mm	18	110760	6.000in./152.4mm	16	135581	5.000in./127mm	3	182240	4.125in./104.8mm	27
140N	6.000in./152.4mm	18	110760	6.000in./152.4mm	15	136530	6.000in./152.4mm	18	182250	4.125in./104.8mm	13
176H	6.000in./152.4mm	18	110760	6.000in./152.4mm	18	136530	6.000in./152.4mm	17	390562	5.320in./135.1mm	12
1054-1B	5.000in./127mm	10	111786	5.000in./127mm	11	142690	4.125in./104.8mm	27	1802224C92	6.000in./152.4mm	18
1282-1	6.000in./152.4mm	16	111786	6.000in./152.4mm	16	142770	6.000in./152.4mm	18	1802224C93	6.000in./152.4mm	18
1285-1	6.000in./152.4mm	7	111786	6.000in./152.4mm	15	142770	6.000in./152.4mm	17	1803420C1	6.000in./152.4mm	18
1285-1	6.000in./152.4mm	5	111786	6.000in./152.4mm	18	142960	6.000in./152.4mm	18	1805420C1	6.000in./152.4mm	18
5671-1	6.000in./152.4mm	16	111787	6.000in./152.4mm	7	142960	6.000in./152.4mm	17	3027931	5.354in./136mm	14
5671-2	6.000in./152.4mm	16	111787	3.441in./87.4mm	7	143140	6.000in./152.4mm	30	3064291	6.000in./152.4mm	19
5672	6.000in./152.4mm	7	112330	5.000in./127mm	4	143140	6.000in./152.4mm	31	3819989	5.354in./136mm	14
5672	6.000in./152.4mm	5	112330	5.000in./127mm	3	145480	4.125in./104.8mm	13	3903827	4.724in./120mm	2
5672-1	6.000in./152.4mm	7	121610	6.000in./152.4mm	18	145830	4.125in./104.8mm	27	3903830	4.724in./120mm	2
5672-1	6.000in./152.4mm	5	121610	6.000in./152.4mm	17	145840	4.125in./104.8mm	13	3907803	4.724in./120mm	2
5672-2	6.000in./152.4mm	7	123380	6.000in./152.4mm	7	146450	5.000in./127mm	10	3907804	4.724in./120mm	9
5672-2	6.000in./152.4mm	5	123380	6.000in./152.4mm	5	146460	6.000in./152.4mm	30	E5734-JN	5.000in./127mm	10
10846	6.000in./152.4mm	16	123400	6.000in./152.4mm	7	146460	6.000in./152.4mm	31	H1285	6.000in./152.4mm	7
10974	5.000in./127mm	10	123400	6.000in./152.4mm	6	148350	4.125in./104.8mm	13	H1285	6.000in./152.4mm	5
11054	5.000in./127mm	10	123410	5.000in./127mm	11	156290	5.000in./127mm	10	H1285-1	6.000in./152.4mm	7
11054-1	5.000in./127mm	4	123410	6.000in./152.4mm	16	156920	4.125in./104.8mm	13	H1285-1	6.000in./152.4mm	5
11054-1	5.000in./127mm	3	123410	6.000in./152.4mm	15	158370	4.125in./104.8mm	27	H2907	6.000in./152.4mm	7
11054-1	5.000in./127mm	10	123410	6.000in./152.4mm	18	159620	4.125in./104.8mm	13	H2907	6.000in./152.4mm	5
11054-1B	5.000in./127mm	10	123420	6.000in./152.4mm	16	161360	4.125in./104.8mm	13	H5671	6.000in./152.4mm	7
11054-B	5.000in./127mm	10	130186	5.000in./127mm	11	161960	4.125in./104.8mm	27	H5671	6.000in./152.4mm	5
13111-03010-D	6.000in./152.4mm	18	130186	6.000in./152.4mm	16	162168	6.000in./152.4mm	18	H5671-1	6.000in./152.4mm	16
14401G	6.000in./152.4mm	16	130186	6.000in./152.4mm	15	162168	6.000in./152.4mm	17	NH0123	6.000in./152.4mm	16
101109	5.000in./127mm	11	130186	6.000in./152.4mm	18	162186	6.000in./152.4mm	18			
101109	6.000in./152.4mm	16	135030	6.000in./152.4mm	18	162186	6.000in./152.4mm	17			
101109	6.000in./152.4mm	15	135030	6.000in./152.4mm	17	162187	6.000in./152.4mm	7			
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
3 CYL											
1	180 CID (3.0L) 3B Diesel 3 Cyl					4.016in./102mm x 4.724in./120mm					1
	180 CID (3.0L) 3BT Turbocharged Diesel 3 Cyl					4.016in./102mm x 4.724in./120mm					
Rod Bearing(3)	TM-112	CB-1413P	STD.,.25mm.,.50mm.,.75mm			2.7160/2.7170	0.0015/0.0045	0.0775	2.8735/2.8745	1.2250	
Rod Bearing(3)		CB-1846P-.25mm	.50mm			2.7160/2.7170	0.0015/0.0045	0.0874	2.8835/2.8845	1.2250	
NOTE: Connecting Rods With Housing Bore Resized .010" Larger Than Stock											
Main Bearing Set	TM-112	MS-1719P	STD.,.25mm.,.50mm								
1-3		MB-3110P				3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.1430	
2		MB-3109P(F)				3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.4700	
Cam Bearing	AL-3	SH-1404	STD			2.1245/2.1265			2.2528/2.2542	1.0100	
NOTE: Only Sold Separately, Position Number 1											
Rod Forging	3901085, 3901566										
Connecting Rod	Step A 26 Lbs.Ft.; Step B 51 Lbs.Ft.; Step C 73 Lbs.Ft.										
Main Bearing	Step A 44 Lbs.Ft.; Step B 88 Lbs.Ft.; Step C 129 Lbs.Ft.										



CUMMINS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
2	239 CID (3.9L) 4-390,4B Diesel 4 Cyl				4.016in./102mm x 4.724in./120mm			2
	239 CID (3.9L) 4BTA,4BT,4T-390 Turbocharged Diesel 4 Cyl				4.016in./102mm x 4.724in./120mm			
	239 CID (3.9L) 4B3.9M Diesel 4 Cyl				4.016in./102mm x 4.724in./120mm			
	239 CID (3.9L) 4BT3.9,4BT3.9M Turbocharged Diesel 4 Cyl				4.016in./102mm x 4.724in./120mm			
	239 CID (3.9L) 4BTA3.9M Turbocharged/Aftercooled Diesel 4 Cyl				4.016in./102mm x 4.724in./120mm			
Rod Bearing(4)	TM-112	CB-1413P	STD,.25mm,.50mm,.75mm	2.7160/2.7170	0.0015/0.0045	0.0775	2.8735/2.8745	1.2250
Rod Bearing(4)		CB-1846P-.25mm	.50mm	2.7160/2.7170	0.0015/0.0045	0.0874	2.8835/2.8845	1.2250
NOTE: Connecting Rods With Housing Bore Resized .010" Larger Than Stock								
Main Bearing Set 1-2-3-5	TM-112	MS-1718P	STD,.25mm,.50mm,.75mm	3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.1430
4		MB-3110P		3.2672/3.2682	0.0017/0.0047	0.0970	3.4638/3.4652	1.4700
		MB-3109P(F)						
Cam Bearing	AL-3	SH-1404	STD	2.1245/2.1265			2.2528/2.2542	1.0100
NOTE: Only Sold Separately, Position Number 1								
Rod Forging	3901085, 3901566							
C/S Forging	3903827, 3903830, 3907803							
Connecting Rod	Step A 26 Lbs.Ft.; Step B 51 Lbs.Ft.; Step C 73 Lbs.Ft.							
Main Bearing	Step A 44 Lbs.Ft.; Step B 88 Lbs.Ft.; Step C 129 Lbs.Ft.							
3	267 CID (4.4L) J120,J4,J70,J80 Diesel 4 Cyl				4.125in./104.8mm x 5.000in./127mm			3
Rod Bearing(4)	TM-112	CB-470P	STD,10,20,30	2.6240/2.6250	0.0025/0.0050	0.0728	2.7725/2.7730	1.6700
Rod Forging	20840, 127725, 127726, A-2551							
C/S Forging	112330, 135580, 135581, 11054-1							
4	309 CID (5.1L) C105,C90 Diesel 4 Cyl				4.438in./112.7mm x 5.000in./127mm			4
	309 CID (5.1L) C140 Turbocharged Diesel 4 Cyl				4.438in./112.7mm x 5.000in./127mm			
	309 CID (5.1L) C309 Diesel 4 Cyl				4.437in./112.7mm x 5.000in./127mm			
Rod Bearing(4)	TM-112	CB-470P	STD,10,20,30	2.6240/2.6250	0.0025/0.0050	0.0728	2.7725/2.7730	1.6700
Cam Bearing(7)	AL-3	SH-1402	STD	2.3650/2.3660		0.0773	2.5192/2.5202	0.9940
Rod Forging	20840, 127725, 127726, A-2551							
C/S Forging	112330, 135580, 135581, 11054-1							
5	448 CID (7.3L) H135 Diesel 4 Cyl				4.875in./123.8mm x 6.000in./152.4mm			5
	495 CID (8.1L) HR160,HR4,HRC4 Diesel 4 Cyl				5.125in./130.2mm x 6.000in./152.4mm			
Rod Bearing(4)	TM-112	CB-296P	STD,10,20,30,40	3.1240/3.1250	0.0022/0.0047	0.0729	3.2725/3.2730	1.9800
NOTE: From Engine Serial Number 120911,Top Oiler								
Main Bearing Set 1-3	TM-112	MS-1531P	STD,10,20	4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.0500
2-4		MB-2860P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	1.5500
5		MB-2861P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	1.5500
		MB-2862P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.2500
NOTE: Except Engines Oiling Thru Caps,From Engine Serial Number 120911,Top Oiler, Contains Lockplates,Grooves And Oil Holes In Upper Bearing Halves, Plain Lower Bearing Halves,Ridges In Excess Of .001" Must Be Removed From Crankshaft Journals								
Thrust Washer Set		TW-369S	STD	4.5300/4.5600			5.4220/5.4680	0.2470
		MB-2862W						
NOTE: From Engine Serial Number 120911,Top Oiler, Contains 4 Pieces, Position Number 5, Use With Part Number MS-1531P								
Rod Forging	H-90146							
C/S Forging	5672, H1285, H2907, H5671, 123380, 123400, 1285-1, 162187, 5672-1, 5672-2, H1285-1							
Connecting Rod	50 To 55 Lbs.Ft. Plus 60 Degrees							
Main Bearing	140 Lbs.Ft. Plus 30 Degrees							
6	448 CID (7.3L) H4,HA4,HB4 Diesel 4 Cyl				4.875in./123.8mm x 6.000in./152.4mm			6
Rod Bearing(4)	TM-112	CB-296P	STD,10,20,30,40	3.1240/3.1250	0.0022/0.0047	0.0729	3.2725/3.2730	1.9800
NOTE: Bottom Oiler,Thru Eng. Serial No. 120911								
7	495 CID (8.1L) N495,NH4,NHC4 Diesel 4 Cyl				5.125in./130.2mm x 6.000in./152.4mm			7
	495 CID (8.1L) NT165 Turbocharged Diesel 4 Cyl				5.125in./130.2mm x 3.441in./87.4mm			
	495 CID (8.1L) NT180,NT200,NT4 Turbocharged Diesel 4 Cyl				5.125in./130.2mm x 6.000in./152.4mm			
Rod Bearing(4)	TM-112	CB-296P	STD,10,20,30,40	3.1240/3.1250	0.0022/0.0047	0.0729	3.2725/3.2730	1.9800
Main Bearing Set 1-3	TM-112	MS-1531P	STD,10,20	4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.0500
2-4		MB-2860P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	1.5500
5		MB-2861P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	1.5500
		MB-2862P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.2500
NOTE: Except Engines Oiling Thru Caps. Contains Lockplates								



CUMMINS (Cont.)										
COUNTER DATA					SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length		
4 CYL (Cont.)										
7 (Cont.)	495 CID (8.1L) N495,NH4,NHC4 Diesel 4 Cyl				5.125in./130.2mm x 6.000in./152.4mm				7 (Cont.)	
	495 CID (8.1L) NT165 Turbocharged Diesel 4 Cyl				5.125in./130.2mm x 3.441in./87.4mm					
	495 CID (8.1L) NT180,NT200,NT4 Turbocharged Diesel 4 Cyl				5.125in./130.2mm x 6.000in./152.4mm					
Thrust Washer Set		TW-369S	STD	4.5300/4.5600		5.4220/5.4680		0.2470		
		MB-2862W								
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1531P										
Piston Pin Bushing(8)		C-1	223-3496	STD	0.1400		2.2500/2.2505		1.1040	
NOTE: Late Design, Requires 2 Per Rod,Requires Boring										
Rod Forging		101158								
C/S Forging		111787								
Connecting Rod		50 To 55 Lbs.Ft. Plus 60 Degrees								
Main Bearing		140 Lbs.Ft. Plus 30 Degrees								
6 CYL										
8	352 CID (5.8L) V352,V6-140B,V6-140 Diesel V6 Cyl				4.625in./117.5mm x 3.500in./88.9mm				8	
	378 CID (6.2L) V378C Big Cam I,V378,V6-155 Diesel V6 Cyl				4.625in./117.5mm x 3.500in./88.9mm					
Rod Bearing(6)		TM-112	CB-1631P	STD,10,20,30	2.4990/2.5000	0.0020/0.0050	0.0948	2.6910/2.6920	1.1750	
NOTE: Phase 5 Engine										
Main Bearing Set		TM-112	MS-1060P	STD,10,20,30	3.4990/3.5000		0.0018/0.0048	0.1253	3.7520/3.7530	1.0520
1-4			MB-2598P							
2-3			MB-2599P							
4			MB-2598W							
NOTE: Phase 5 Engine, Contains 4 Piece Thrust Washer Set, Use In Number 4 Position,Contains Dowel Pins										
Thrust Washer Set			TW-448S	STD	3.8050/3.8150		4.4850/4.4950		0.1510	
			MB-2598W							
NOTE: Phase 5 Engine, Contains 4 Pieces, Position Number 4, Use With Part Number MS-1060P										
Cam Bearing Set		B-1	SH-1395S	STD	1.9975/1.9985		0.0010/0.0045	0.0963	2.1865/2.1875	1.9000
1-4			SH-1394							
2-3			SH-1395							
NOTE: Phase 5 Engine										
Piston Pin Bushing(6)		C-1	223-3564	STD	0.1400		1.6250/1.6255		1.5280	
NOTE: Requires Boring										
9	359 CID (5.9L) 6-590,6B Diesel 6 Cyl				4.016in./102mm x 4.724in./120mm				9	
	359 CID (5.9L) 6BTA Turbocharged/Aftercooled Diesel 6 Cyl				4.016in./102mm x 4.724in./120mm					
	359 CID (5.9L) 6BT,6T-590 Turbocharged Diesel 6 Cyl				4.016in./102mm x 4.724in./120mm					
	359 CID (5.9L) 6B5.9M Diesel 6 Cyl				4.016in./102mm x 4.724in./120mm					
	359 CID (5.9L) 6BT5.9,6BT5.9M Turbocharged Diesel 6 Cyl				4.016in./102mm x 4.724in./120mm					
	359 CID (5.9L) 6BTA5.9,6BTA5.9M Turbocharged/Aftercooled Diesel 6 Cyl				4.016in./102mm x 4.724in./120mm					
Rod Bearing(6)		TM-112	CB-1413P	STD,.25mm,.50mm,.75mm	2.7160/2.7170	0.0015/0.0045	0.0775	2.8735/2.8745	1.2250	
Rod Bearing(6)			CB-1846P-.25mm	.50mm	2.7160/2.7170	0.0015/0.0045	0.0874	2.8835/2.8845	1.2250	
NOTE: Connecting Rods With Housing Bore Resized .010" Larger Than Stock										
Main Bearing Set		TM-112	MS-1717P	STD,.25mm,.50mm,.75mm	3.2672/3.2682		0.0017/0.0047	0.0970	3.4638/3.4652	1.1430
1-2-3-4-5-7			MB-3110P							
6			MB-3109P(F)							
Cam Bearing		AL-3	SH-1404	STD	2.1245/2.1265		2.2528/2.2542		1.0100	
NOTE: Only Sold Separately, Position Number 1										
Piston Pin Bushing(6)		C-1	223-3644	STD	0.0690		1.6924/1.6934		1.5100	
NOTE: Requires Boring										
Rod Forging		3901085, 3901566								
C/S Forging		3907804								
Connecting Rod		Step A 26 Lbs.Ft.; Step B 51 Lbs.Ft.; Step C 73 Lbs.Ft.								
Main Bearing		Step A 44 Lbs.Ft.; Step B 88 Lbs.Ft.; Step C 129 Lbs.Ft.								



CUMMINS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
10	401 CID (6.6L) J401,J40,J6,JBS6,J,JF6,JN6,JNF6,JNS6,JS6,JT6 Diesel 6 Cyl				4.125in./104.8mm x 5.000in./127mm			10
	401 CID (6.6L) JS401 Supercharged Diesel 6 Cyl				4.125in./104.8mm x 5.000in./127mm			
	401 CID (6.6L) JT401 Turbocharged Diesel 6 Cyl				4.125in./104.8mm x 5.000in./127mm			
	464 CID (7.6L) C160,C160M,C200,C240,C464B160,C464C160,C464,C464P160, CF160 Diesel 6 Cyl				4.437in./112.7mm x 5.000in./127mm			
	464 CID (7.6L) C175 (Late),C190,C195,CT160,CT464 Turbocharged Diesel 6 Cyl				4.437in./112.7mm x 5.000in./127mm			
	464 CID (7.6L) C180,C180M,CR160,CS195,CS464B180,CS464C180, CS464C195,CS464,CS464P180 Supercharged Diesel 6 Cyl				4.437in./112.7mm x 5.000in./127mm			
Rod Bearing(6)	TM-112	CB-470P	STD,10,20,30	2.6240/2.6250	0.0025/0.0050	0.0728	2.7725/2.7730	1.6700
NOTE: Late Design, Oil Hole In Bearing								
Rod Forging	20840, 122620, 127725, 127726, 143523, A-2551							
C/S Forging	10974, 11054, 106071, 146450, 156290, 1054-1B, 11054-1, 11054-B, 11054-1B, E5734-JN							
11	464 CID (7.6L) GNH180 Diesel 6 Cyl				4.438in./112.7mm x 5.000in./127mm			11
Rod Bearing(6)	TM-112	CB-296P	STD,10,20,30,40	3.1240/3.1250	0.0022/0.0047	0.0729	3.2725/3.2730	1.9800
Main Bearing Set	TM-112	MS-1687P	STD,10,20,30,40					
1-3-5		MB-2860P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.0500
2-4-6		MB-2861P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	1.5500
7		MB-2862P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.2500
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position,Contains Lockplates								
Thrust Washer Set		TW-369S	STD					
		MB-2862W		4.5300/4.5600			5.4220/5.4680	0.2470
NOTE: Contains 4 Pieces, Position Number 7, Use With Part Number MS-1687P								
Cam Bearing Set	C-1	SH-568S	STD					
1		SH-318		1.9970/1.9980	0.0010/0.0050	0.0648	2.1285/2.1295	2.2570
2-3-4-5-6-7		SH-568		1.9970/1.9980	0.0010/0.0050	0.0648	2.1285/2.1295	1.6950
NOTE: Bearings For Positions 2,3,4,5,6, And 7 Have 4 Oil Holes .15625" Diameter								
Rod Forging	121430							
C/S Forging	101109, 110760, 111786, 123410, 130186							
Connecting Rod	50 To 55 Lbs.Ft. Plus 60 Degrees							
Main Bearing	140 To 145 Lbs.Ft. Plus 30 Degrees							
12	505 CID (8.3L) 6CTA Turbocharged Diesel 6 Cyl				4.488in./114mm x 5.320in./135.1mm			12
	505 CID (8.3L) C Series Diesel 6 Cyl				4.490in./114mm x 5.320in./135.1mm			
Rod Bearing(6)	TM-112	CB-1409P	STD,.25mm,.50mm,.75mm,1.00mm	2.9906/2.9926	0.0013/0.0046	0.0972	3.1885/3.1895	1.5010
Main Bearing Set	TM-112	MS-1740P	STD,.25mm,.50mm					
1-2-3-5-6-7		MB-3104P		3.8568/3.8588	0.0024/0.0055	0.1360	4.1333/4.1344	1.3430
4		MB-3105P(F)		3.8568/3.8588	0.0024/0.0055	0.1360	4.1333/4.1344	1.6860
Cam Bearing(7)	AL-3	SH-1402	STD	2.3650/2.3660		0.0773	2.5192/2.5202	0.9940
NOTE: Only Sold Separately								
Piston Pin Bushing(6)	C-1	223-3642	STD					
NOTE: Requires Boring								
Rod Forging	390124715, B-390124710							
C/S Forging	390562							
Connecting Rod	Step A 30 Lbs.Ft.; Step B 60 Lbs.Ft.; Step C 88 Lbs.Ft.							
Main Bearing	Step A 37 Lbs.Ft.; Step B 88 Lbs.Ft.; Step C 129 Lbs.Ft.							
13	588 CID (9.6L) V588,V6-200,V6-215,V6E-195,V6R-180 Diesel V6 Cyl				5.500in./139.7mm x 4.125in./104.8mm			13
	588 CID (9.6L) VT588,VT6-200,VT6-280 Turbocharged Diesel V6 Cyl				5.500in./139.7mm x 4.125in./104.8mm			
Rod Bearing(6)	TM-112	CB-754P	STD	3.1240/3.1250	0.0020/0.0045	0.0948	3.3160/3.3165	1.3120
NOTE: Engines With 3.125" Crank Pins								
Piston Pin Bushing(6)	C-1	223-3545	STD					
NOTE: Requires Boring,Tapered Bushing								
Rod Forging	147036, 156101, 160043, 175635, 175637, 177378							
C/S Forging	145480, 145840, 148350, 156920, 159620, 161360, 179450, 182250							
Connecting Rod	Step A 55 To 60 Lbs.Ft.; Step B 105 To 115 Lbs.Ft.; Step C Loosen All Nuts; Step D 30 To 32 Lbs.Ft.; Step E 60 To 65 Lbs.Ft.; Step F Rotate 30 Degrees; Step G Rotate 30 Degrees; Step H Bend Tangs Of Lockplates to Lock Nut (Lubricated Bolts)							
Main Bearing	Step A 150 To 160 Lbs.Ft.; Step B 340 To 350 Lbs.Ft.; Step C Loosen Bolts; Step D 85 To 90 Lbs.Ft.; Step E 170 To 180 Lbs.Ft.; Step F Rotate 30 Degrees; Step G Rotate 30 Degrees; Step H Tighten Side Bolts 35 To 40 Lbs.Ft.; Step I Tighten Side Bolts 70 To 75 Lbs.Ft. (Lubricated Bolts)							



CUMMINS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
14	611 CID (10.0L) L10 Diesel 6 Cyl			4.921in./125mm x 5.354in./136mm				14
	611 CID (10.0L) LT-10,LTA-10 Turbocharged Diesel 6 Cyl			4.921in./125mm x 5.354in./136mm				
	661 CID (10.8L) M11 (11HP-Horizontal Shaft) Magnum,M11 Plus,M11CELECT,M11E CELECT,M11E Plus,M11E Turbocharged Diesel 6 Cyl			4.921in./125mm x 5.787in./147mm				
Rod Bearing(6)	TM-112	CB-1382P	STD,.25mm,.50mm,.75mm	3.1097/3.1107	0.0011/0.0041	0.0974	3.3066/3.3076	1.6620
NOTE: Thru Eng. Serial No. 3485336								
Main Bearing Set	TM-112	MS-1716P	STD,.25mm,.50mm,.75mm	4.4888/4.4903 4.9314/4.9419	0.0018/0.0051	0.1553	4.8027/4.8035 5.5613/5.5719	1.4420 0.1925
1-2-3-4-5-6-7		MB-3077P						
4		MB-3078W						
NOTE: Thru Eng. Serial No. 3485336, Contains 4 Piece Thrust Washer Set, Use In Number 4 Position,Contains Thrust Washers								
Thrust Washer Set		TW-457S	STD	4.9314/4.9419			5.5613/5.5719	0.1925
		MB-3078W						
NOTE: Thru Eng. Serial No. 3485336, Contains 4 Pieces, Position Number 4, Use With Part Number MS-1716P								
Cam Bearing Set	C-1	SH-1773S	STD	2.8341/2.8352	0.0029/0.0054	0.0965	3.0310/3.0320	1.1910
1-2-3-4-5-6-7		SH-1773						
NOTE: Thru Eng. Serial No. 3485336								
Rod Forging	3027104, 3820301, 3820301R							
C/S Forging	3027931, 3819989							
Connecting Rod	Step A 50 Lbs.Ft.; Step B 105 Lbs.Ft.; Step C 155 Lbs.Ft. Step D Loosen And Repeat Steps A,B And C							
Main Bearing	Step A 50 Lbs.Ft.; Step B 105 Lbs.Ft.; Step C 155 Lbs.Ft. Step D Loosen And Repeat Steps A,B And C							
15	672 CID (11.0L) H672,H6,HA6,HB6,HHC4,HMR6,HR672,HS672,HS,N672,NH180,NH195,NH672,NHD180,NHH180,NHH195,NHH220 Diesel 6 Cyl			4.875in./123.8mm x 6.000in./152.4mm				15
	672 CID (11.0L) HBS6,HS6 Supercharged Diesel 6 Cyl			4.875in./123.8mm x 6.000in./152.4mm				
Rod Bearing(6)	TM-112	CB-296P	STD,10,20,30,40	3.1240/3.1250	0.0022/0.0047	0.0729	3.2725/3.2730	1.9800
Main Bearing Set	TM-112	MS-1687P	STD,10,20,30,40	4.4990/4.5000 4.4990/4.5000 4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500 4.7490/4.7500 4.7490/4.7500	2.0500 1.5500 2.2500
1-3-5		MB-2860P						
2-4-6		MB-2861P						
7		MB-2862P						
NOTE: From Engine Serial Number 120911,Top Oiler, Contains 4 Piece Thrust Washer Set, Use In Number 7 Position,Contains Lockplates								
Thrust Washer Set		TW-369S	STD	4.5300/4.5600			5.4220/5.4680	0.2470
		MB-2862W						
NOTE: From Engine Serial Number 120911,Top Oiler, Contains 4 Pieces, Position Number 7, Use With Part Number MS-1687P								
Cam Bearing Set	C-1	SH-568S	STD	1.9970/1.9980 1.9970/1.9980	0.0010/0.0050	0.0648	2.1285/2.1295	2.2570 1.6950
1		SH-318						
2-3-4-5-6-7		SH-568						
NOTE: Bearings For Positions 2,3,4,5,6, And 7 Have 4 Oil Holes .15625" Diameter								
Piston Pin Bushing(6)	C-1	223-3496	STD			0.1400	2.2500/2.2505	1.1040
NOTE: Requires Boring								
Rod Forging	121430, 2457-1, H-2354, H-2457, U-2354							
C/S Forging	101109, 110760, 111786, 123410, 130186							
Connecting Rod	50 To 55 Lbs.Ft. Plus 60 Degrees							
Main Bearing	140 To 145 Lbs.Ft. Plus 30 Degrees							
16	743 CID (12.2L) GNH220,GNH220GC,GNH220P 6 Cyl			5.125in./130.2mm x 6.000in./152.4mm				16
	743 CID (12.2L) H743,HR16,HR6B1,HR6B,HR6,HR743,HRB16,HRBB6,HRBB,HRF6,HRF,HRM6,HRP6,HS743,N743,NH200,NH220,NH220GC,NH220IF,NH743,NHB6,NHC5,NHE180,NHE195,NHH6,NHHR Series,NHR Series Diesel 6 Cyl			5.125in./130.2mm x 6.000in./152.4mm				
	743 CID (12.2L) HRS6B,HRS6,HRS,NH220GS,NH6,NHHR6,NHHR6,NHHS,NHRS300,NHRS6,NHRS,NHS Series,NHS275,NHS6,NS743B290,NS743B320,NS743C290,NS743C320,NS743,NS743P290,NS743P320 Supercharged Diesel 6 Cyl			5.125in./130.2mm x 6.000in./152.4mm				
	743 CID (12.2L) NHHRT6,NHHRT,NHHT Series,NHHT6,NHHTC-B300,NHHTO,NHRT6,NRT20,NRT6,NRT,NRTO6,NRTO,NT6,NT743,NT,NTO262,NTO280,NTO6,NTO Turbocharged Diesel 6 Cyl			5.125in./130.2mm x 6.000in./152.4mm				
Rod Bearing(6)	TM-112	CB-296P	STD,10,20,30,40	3.1240/3.1250	0.0022/0.0047	0.0729	3.2725/3.2730	1.9800



CUMMINS (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
16 (Cont.)	743 CID (12.2L) GNH220,GNH220GC,GNH220P 6 Cyl			5.125in./130.2mm x 6.000in./152.4mm					16 (Cont.)
	743 CID (12.2L) H743,HR16,HR6B1,HR6B,HR6,HR743,HRB16,HRBB6,HRBB,HRF6,HRF,HRM6,HRP6,HS743,N743,NH200,NH220,NH220GC,NH220IF,NH743,NHB6,NHC5,NHE180,NHE195,NHH6,NHHR Series,NHR Series Diesel 6 Cyl			5.125in./130.2mm x 6.000in./152.4mm					
	743 CID (12.2L) HRS6B,HRS6,HRS,NH220GS,NH6,NHHR6,NHHR6,NHHS,NHRS300,NHRS6,NHRS,NHS Series,NHS275,NHS6,NS743B290,NS743B320,NS743C290,NS743C320,NS743,NS743P290,NS743P320 Supercharged Diesel 6 Cyl			5.125in./130.2mm x 6.000in./152.4mm					
	743 CID (12.2L) NHHRT6,NHHRT,NHHT Series,NHHT6,NHHTC-B300,NHHTO,NHRT6,NRT20,NRT6,NRT,NRTO6,NRTO,NT6,NT743,NT,NT0262,NT0280,NT06,NT0 Turbocharged Diesel 6 Cyl			5.125in./130.2mm x 6.000in./152.4mm					
Main Bearing Set				TM-112	MS-1687P	STD,10,20,30,40			
1-3-5					MB-2860P			4.4990/4.5000	
2-4-6					MB-2861P			0.0019/0.0053	
7					MB-2862P			0.1237	
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position,Contains Lockplates								4.7490/4.7500	
2.0500								1.5500	
2.2500								2.2500	
Thrust Washer Set					TW-369S	STD			
					MB-2862W			4.5300/4.5600	
NOTE: Contains 4 Pieces, Position Number 7, Use With Part Number MS-1687P								5.4220/5.4680	
0.2470									
Cam Bearing Set				C-1	SH-568S	STD			
1					SH-318			1.9970/1.9980	
2-3-4-5-6-7					SH-568			0.0010/0.0050	
NOTE: Bearings For Positions 2,3,4,5,6, And 7 Have 4 Oil Holes .15625" Diameter								0.0648	
2.1285/2.1295								2.2570	
1.6950								1.6950	
Piston Pin Bushing(6)				C-1	223-3496	STD			
NOTE: Late Design, Requires Boring								0.1400	
2.2500/2.2505								1.1040	
Piston Pin Bushing(6)				C-1	223-3545	STD			
NOTE: Requires Boring								0.1400	
2.2500/2.2500								2.2100	
Rod Forging				121430					
C/S Forging				101109, 110760, 111786, 123410, 130186					
Connecting Rod				50 To 55 Lbs.Ft. Plus 60 Degrees					
Main Bearing				140 To 145 Lbs.Ft. Plus 30 Degrees					
17	743 CID (12.2L) NFT,NTE235 Turbocharged Diesel 6 Cyl			5.125in./130.2mm x 6.000in./152.4mm					17
Rod Bearing(6)				TM-112	CB-625P	STD,10,20,30,40		3.1240/3.1250	
NOTE: 3.2725"/3.2730" Connecting Rod Housing Bore								0.0022/0.0047	
								0.0729	
3.2725/3.2730								1.7300	
Rod Bearing(6)				TM-112	CB-1226P	STD,10,20,30,40		3.1240/3.1250	
NOTE: 3.3160"/3.3165" Connecting Rod Housing Bore								0.0020/0.0045	
								0.0947	
3.3160/3.3165								1.7410	
Main Bearing Set				TM-112	MS-1687P	STD,10,20,30,40			
1-3-5					MB-2860P			4.4990/4.5000	
2-4-6					MB-2861P			0.0019/0.0053	
7					MB-2862P			0.1237	
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position,Contains Lockplates								4.7490/4.7500	
2.0500								1.5500	
2.2500								2.2500	
Thrust Washer Set					TW-369S	STD			
					MB-2862W			4.5300/4.5600	
NOTE: Contains 4 Pieces, Position Number 7, Use With Part Number MS-1687P								5.4220/5.4680	
0.2470									
Cam Bearing Set				C-1	SH-568S	STD			
1					SH-318			1.9970/1.9980	
2-3-4-5-6-7					SH-568			0.0010/0.0050	
NOTE: 2.000" Camshaft Bearing Journal Diameter,Small Cam, Bearings For Positions 2,3,4,5,6, And 7 Have 4 Oil Holes .15625" Diameter								0.0648	
2.1285/2.1295								2.2570	
1.6950								1.6950	
Cam Bearing Set				C-1	SH-1529S	STD			
1-2-4-6					SH-1529			2.4960/2.4970	
3-5					SH-1378			0.0013/0.0055	
7					SH-1377			0.0941	
NOTE: 2.500" Camshaft Bearing Journal Diameter,Big Cam, 2.205" Long Bearings For Positions 3 And 5								2.6865/2.6880	
1.7050								2.2050	
2.2050								1.7050	
Piston Pin Bushing(12)				C-1	223-3496	STD			
NOTE: Late Design, Requires 2 Per Rod,Requires Boring								0.1400	
2.2500/2.2505								1.1040	



CUMMINS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
17 (Cont.)	743 CID (12.2L) NFT,NTE235 Turbocharged Diesel 6 Cyl				5.125in./130.2mm x 6.000in./152.4mm			17 (Cont.)
Piston Pin Bushing(6)	C-1	223-3545	STD			0.1400	2.2500/2.2500	2.2100
NOTE: Requires Boring								
Rod Forging	121579, 218808							
C/S Forging	121610, 135030, 136530, 142770, 142960, 162168, 162186							
Connecting Rod	140 To 150 Lbs.Ft. (3.3160"/3.3165" Connecting Rod Housing Bore)							
Connecting Rod	50 To 55 Lbs.Ft. Plus 60 Degrees (3.2725"/3.2730" Connecting Rod Housing Bore)							
Main Bearing	140 To 145 Lbs.Ft. Plus 30 Degrees							
18	855 CID (14.0L) For Specific Engine Descriptions See Index Diesel 6 Cyl				5.500in./139.7mm x 6.000in./152.4mm			18
Rod Bearing(6)	TM-112	CB-625P	STD,10,20,30,40	3.1240/3.1250	0.0022/0.0047	0.0729	3.2725/3.2730	1.7300
NOTE: 3.2725"/3.2730" Connecting Rod Housing Bore								
Rod Bearing(6)	TM-112	CB-1226P	STD,10,20,30,40	3.1240/3.1250	0.0020/0.0045	0.0947	3.3160/3.3165	1.7410
NOTE: 3.3160"/3.3165" Connecting Rod Housing Bore								
Main Bearing Set	TM-112	MS-1687P	STD,10,20,30,40					
1-3-5		MB-2860P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.0500
2-4-6		MB-2861P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	1.5500
7		MB-2862P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.2500
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position,Contains Lockplates								
Thrust Washer Set		TW-369S	STD					
		MB-2862W		4.5300/4.5600			5.4220/5.4680	0.2470
NOTE: Contains 4 Pieces, Position Number 7								
Cam Bearing Set	C-1	SH-568S	STD					
1		SH-318		1.9970/1.9980	0.0010/0.0050	0.0648	2.1285/2.1295	2.2570
2-3-4-5-6-7		SH-568		1.9970/1.9980	0.0010/0.0050	0.0648	2.1285/2.1295	1.6950
NOTE: 2.000" Camshaft Bearing Journal Diameter,Small Cam, Bearings For Positions 2,3,4,5,6, And 7 Have 4 Oil Holes .15625" Diameter								
Cam Bearing Set	C-1	SH-1529S	STD					
1-2-4-6		SH-1529		2.4960/2.4970	0.0013/0.0055	0.0941	2.6865/2.6880	1.7050
3-5		SH-1378		2.4960/2.4970	0.0013/0.0048	0.0941	2.6865/2.6875	2.2050
7		SH-1377		2.4960/2.4970	0.0013/0.0048	0.0941	2.6865/2.6875	1.7050
NOTE: 2.500" Camshaft Bearing Journal Diameter,Big Cam, 2.205" Long Bearings For Positions 3 And 5								
Piston Pin Bushing(6)	C-1	223-3545	STD			0.1400	2.2500/2.2500	2.2100
NOTE: Requires Boring								
Rod Forging	121579, 218808							
C/S Forging	121610, 135030, 136530, 142770, 142960, 162168, 162186							
Connecting Rod	120 Lbs.Ft. (3.2725"/3.2730" Connecting Rod Housing Bore)							
Connecting Rod	140 To 150 Lbs.Ft. (3.3160"/3.3165" Connecting Rod Housing Bore)							
Main Bearing	140 To 145 Lbs.Ft. Plus 30 Degrees							
19	855 CID (14.0L) N14 Plus,N14CELECT,N14E CELECT,N14E Plus,N14E,N14STC Turbocharged Diesel 6 Cyl				5.500in./139.7mm x 6.000in./152.4mm			19
	855 CID (14.0L) N14-330E,N14-330ESP,N14-350E,N14-370E,N14-370ESP, N14-410E,N14-435E,N14-435ESP,N14-460E,N14-485E,N14-525E Diesel 6 Cyl				5.500in./139.7mm x 6.000in./152.4mm			
Rod Bearing(6)	TM-112	CB-1616P	STD,10,20	3.4985/3.5000	0.0022/0.0047	0.0947	3.6910/3.6915	1.9110
Main Bearing Set	TM-112	MS-1687P	STD,10,20,30,40					
1-3-5		MB-2860P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.0500
2-4-6		MB-2861P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	1.5500
7		MB-2862P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.2500
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position,Contains Lockplates								
Thrust Washer Set		TW-369S	STD					
		MB-2862W		4.5300/4.5600			5.4220/5.4680	0.2470
NOTE: Contains 4 Pieces, Position Number 7								
Cam Bearing Set	C-1	SH-1529S	STD					
1-2-4-6		SH-1529		2.4960/2.4970	0.0013/0.0055	0.0941	2.6865/2.6880	1.7050
3-5		SH-1378		2.4960/2.4970	0.0013/0.0048	0.0941	2.6865/2.6875	2.2050
7		SH-1377		2.4960/2.4970	0.0013/0.0048	0.0941	2.6865/2.6875	1.7050
NOTE: 2.500" Camshaft Bearing Journal Diameter,Big Cam, 2.205" Long Bearings For Positions 3 And 5								



CUMMINS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
19 (Cont.)	855 CID (14.0L) N14 Plus,N14CELECT,N14E CELECT,N14E Plus,N14E,N14STC Turbocharged Diesel 6 Cyl				5.500in./139.7mm x 6.000in./152.4mm			19 (Cont.)
	855 CID (14.0L) N14-330E,N14-330ESP,N14-350E,N14-370E,N14-370ESP,N14-410E,N14-435E,N14-435ESP,N14-460E,N14-485E,N14-525E Diesel 6 Cyl				5.500in./139.7mm x 6.000in./152.4mm			
Rod Forging		3078328						
C/S Forging		3064291						
Connecting Rod		Step A 75 Lbs.Ft.; Step B 195 Lbs.Ft.						
Main Bearing		Step A 90 Lbs.Ft; Step B 170 Lbs.Ft.; Step C 255 Lbs.Ft.; Step D Loosen All Main Bearings; Step E Repeat Steps A, B And C (855 CID (14.0L) N14 Plus,855 CID (14.0L) N14-330E)						
20	927 CID (15.2L) N927,Super 250,Super 270,Super 300,Super 330 Diesel 6 Cyl				5.500in./139.7mm x 6.500in./165.1mm			20
Rod Bearing(6)	TM-112	CB-986P	STD,10,20	3.1240/3.1250	0.0020/0.0043	0.0947	3.3160/3.3165	1.7410
Main Bearing Set	TM-112	MS-1687P	STD,10,20,30,40					
1-3-5		MB-2860P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.0500
2-4-6		MB-2861P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	1.5500
7		MB-2862P		4.4990/4.5000	0.0019/0.0053	0.1237	4.7490/4.7500	2.2500
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position,Contains Lockplates								
Thrust Washer Set		TW-369S	STD					
		MB-2862W		4.5300/4.5600			5.4220/5.4680	0.2470
NOTE: Contains 4 Pieces, Position Number 7, Use With Part Number MS-1687P								
Cam Bearing Set	C-1	SH-568S	STD					
1		SH-318		1.9970/1.9980	0.0010/0.0050	0.0648	2.1285/2.1295	2.2570
2-3-4-5-6-7		SH-568		1.9970/1.9980	0.0010/0.0050	0.0648	2.1285/2.1295	1.6950
NOTE: Late Style With 4 Oil Holes, Bearings For Positions 2,3,4,5,6, And 7 Have 4 Oil Holes .15625" Diameter								
Connecting Rod	Step A 10 To 15 Lbs.Ft.; Step B 30 To 35 Lbs.Ft.; Step C Loosen All Nuts; Step D Repeat Steps A And B; Step E 55 To 65 Lbs.Ft. (4 Bolt Rod; Lubricate Bolts And Nuts)							
Main Bearing	Step A 140 To 150 Lbs.Ft.; Step B 300 To 310 Lbs.Ft.; Step C Loosen Cap Screws; Step D 140 To 150; Step E 300 To 310 Lbs.Ft. (Lubricated Bolts)							
21	1150 CID (18.8L) KT1150C450,KT1150C,KT1150,KT450,KT6,KTA600 Turbocharged Diesel 6 Cyl				6.250in./158.8mm x 6.250in./158.8mm			21
Rod Bearing(6)	TM-112	CB-1357P	STD,10,20,30,40	3.9985/4.0000	0.0023/0.0052	0.1250	4.2518/4.2522	2.2100
Main Bearing Set	TM-112	MS-1625P	STD,10,20					
1-7		MB-2976P		5.4985/5.5000	0.0029/0.0068	0.0712	5.8450/5.8460	1.5640
2-3-4-5-6		MB-2977P		5.4985/5.5000	0.0029/0.0068	0.0712	5.8450/5.8460	1.8140
6		MB-2977W		5.9800/6.0000			6.8500/6.8700	0.1540
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 6 Position								
Cam Bearing Set	C-1	SH-1250S	STD					
1-2-3-4-5-6-7		SH-1250		2.9950/2.9970	0.0030/0.0080	0.1268	3.2535/3.2545	1.5200
NOTE: From Engine Serial Number 31103629								
8 CYL								
22	470 CID (7.7L) V470,V8-185 Diesel V8 Cyl				4.625in./117.5mm x 3.500in./88.9mm			22
504 CID (8.3L) V504,V8-210 Diesel V8 Cyl				4.625in./117.5mm x 3.750in./95.3mm				
Rod Bearing(8)	TM-112	CB-1631P	STD,10,20,30	2.4990/2.5000	0.0020/0.0050	0.0948	2.6910/2.6920	1.1750
NOTE: Phase 5 Engine								
Main Bearing Set	TM-112	MS-1061P	STD,10,20,30					
1-5		MB-2598P		3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.0520
2-3-4		MB-2599P		3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.1410
5		MB-2598W		3.8050/3.8150			4.4850/4.4950	0.1510
NOTE: Phase 5 Engine, Contains 4 Piece Thrust Washer Set, Use In Number 5 Position,Contains Dowel Pins								
Thrust Washer Set		TW-448S	STD					
		MB-2598W		3.8050/3.8150			4.4850/4.4950	0.1510
NOTE: Phase 5 Engine, Contains 4 Pieces, Position Number 5, Use With Part Number MS-1061P								
Cam Bearing Set	B-1	SH-1394S	STD					
1-5		SH-1394		1.9975/1.9985	0.0010/0.0045	0.0963	2.1865/2.1875	1.9000
2-3-4		SH-1395		1.9975/1.9985	0.0010/0.0045	0.0963	2.1865/2.1875	0.9000
NOTE: Phase 5 Engine								
Piston Pin Bushing(8)	C-1	223-3564	STD			0.1400	1.6250/1.6255	1.5280
NOTE: Requires Boring								



CUMMINS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
22 (Cont.)	470 CID (7.7L) V470,V8-185 Diesel V8 Cyl			4.625in./117.5mm x 3.500in./88.9mm				22 (Cont.)
	504 CID (8.3L) V504,V8-210 Diesel V8 Cyl			4.625in./117.5mm x 3.750in./95.3mm				
Connecting Rod	20 To 25 Lbs.Ft. Plus 60 Degrees							
Main Bearing	175 To 185 Lbs.Ft.							
23	504 CID (8.3L) V504C Big Cam I Diesel V8 Cyl			4.625in./117.5mm x 3.750in./95.3mm				23
Rod Bearing(8)	TM-112	CB-1631P	STD,10,20,30	2.4990/2.5000	0.0020/0.0050	0.0948	2.6910/2.6920	1.1750
NOTE: Phase 5 Engine								
Main Bearing Set	TM-112	MS-1061P	STD,10,20,30					
1-5		MB-2598P		3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.0520
2-3-4		MB-2599P		3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.1410
5		MB-2598W		3.8050/3.8150			4.4850/4.4950	0.1510
NOTE: Phase 5 Engine, Contains 4 Piece Thrust Washer Set, Use In Number 5 Position,Contains Dowel Pins								
Thrust Washer Set		TW-448S	STD					
		MB-2598W		3.8050/3.8150			4.4850/4.4950	0.1510
NOTE: Phase 5 Engine, Contains 4 Pieces, Position Number 5, Use With Part Number MS-1061P								
24	555 CID (9.1L) V555C,V555 Diesel V8 Cyl			4.625in./117.5mm x 4.125in./104.8mm				24
	555 CID (9.1L) VT225 Small Cam,VT555 Small Cam,VT555C Turbocharged Diesel V8 Cyl			4.625in./117.5mm x 4.125in./104.8mm				
Rod Bearing(8)	TM-112	CB-994P	STD,10,20,30	2.7490/2.7500	0.0020/0.0050	0.0948	2.9410/2.9420	1.1750
Main Bearing Set	TM-112	MS-1061P	STD,10,20,30					
1-5		MB-2598P		3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.0520
2-3-4		MB-2599P		3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.1410
5		MB-2598W		3.8050/3.8150			4.4850/4.4950	0.1510
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position,Contains Dowel Pins								
Thrust Washer Set		TW-448S	STD					
		MB-2598W		3.8050/3.8150			4.4850/4.4950	0.1510
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1061P								
Cam Bearing Set	B-1	SH-1394S	STD					
1-5		SH-1394		1.9975/1.9985	0.0010/0.0045	0.0963	2.1865/2.1875	1.9000
2-3-4		SH-1395		1.9975/1.9985	0.0010/0.0045	0.0963	2.1865/2.1875	0.9000
NOTE: Small Cam								
Piston Pin Bushing(8)	C-1	223-3565	STD			0.1450	1.7500/1.7505	1.5700
NOTE: Requires Boring								
Connecting Rod	Step A 45 Lbs.Ft.; Step B 90 Lbs.Ft.; Step C Loosen All Connecting Rods; Step D 45 Lbs.Ft.; Step E Turn 60 Degrees (555 CID (9.1L) VT225 Small Cam)							
Main Bearing	Step A 65 Lbs.Ft.; Step B 125 Lbs.Ft.; Step C 175 Lbs.Ft.; Step D Loosen All Main Bearing Bolts; Step E Repeat Steps A, B And C (555 CID (9.1L) VT225 Small Cam)							
25	555 CID (9.1L) VT225 Big Cam I,VT240 Big Cam I,VT555C Big Cam I,VT555M Big Cam I Turbocharged Diesel V8 Cyl			4.625in./117.5mm x 4.125in./104.8mm				25
Rod Bearing(8)	TM-112	CB-994P	STD,10,20,30	2.7490/2.7500	0.0020/0.0050	0.0948	2.9410/2.9420	1.1750
Main Bearing Set	TM-112	MS-1061P	STD,10,20,30					
1-5		MB-2598P		3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.0520
2-3-4		MB-2599P		3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.1410
5		MB-2598W		3.8050/3.8150			4.4850/4.4950	0.1510
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position,Contains Dowel Pins								
Thrust Washer Set		TW-448S	STD					
		MB-2598W		3.8050/3.8150			4.4850/4.4950	0.1510
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1061P								
Piston Pin Bushing(8)	C-1	223-3565	STD			0.1450	1.7500/1.7505	1.5700
NOTE: Requires Boring								
26	555 CID (9.1L) VT240,VT555 Turbocharged Diesel V8 Cyl			4.625in./117.5mm x 4.125in./104.8mm				26
Rod Bearing(8)	TM-112	CB-994P	STD,10,20,30	2.7490/2.7500	0.0020/0.0050	0.0948	2.9410/2.9420	1.1750



CUMMINS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
26 (Cont.)	555 CID (9.1L) VT240,VT555 Turbocharged Diesel V8 Cyl				4.625in./117.5mm x 4.125in./104.8mm			26 (Cont.)
Main Bearing Set	TM-112	MS-1061P	STD,10,20,30					
1-5		MB-2598P		3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.0520
2-3-4		MB-2599P		3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.1410
5		MB-2598W		3.8050/3.8150			4.4850/4.4950	0.1510
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position,Contains Dowel Pins								
Thrust Washer Set		TW-448S	STD					
		MB-2598W		3.8050/3.8150			4.4850/4.4950	0.1510
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1061P								
Cam Bearing Set	B-1	SH-1394S	STD					
1-5		SH-1394		1.9975/1.9985	0.0010/0.0045	0.0963	2.1865/2.1875	1.9000
2-3-4		SH-1395		1.9975/1.9985	0.0010/0.0045	0.0963	2.1865/2.1875	0.9000
NOTE: Small Cam								
Connecting Rod	Step A 45 Lbs.Ft.; Step B 90 Lbs.Ft.; Step C Loosen All Connecting Rods; Step D 45 Lbs.Ft.; Step E Turn 60 Degrees							
Main Bearing	Step A 65 Lbs.Ft.; Step B 125 Lbs.Ft.; Step C 175 Lbs.Ft.; Step D Loosen All Main Bearing Bolts; Step E Repeat Steps A, B And C							
27	785 CID (12.9L) V785,V8-265,V8-300,V8E-235,V8R-240 Diesel V8 Cyl				5.500in./139.7mm x 4.125in./104.8mm			27
	785 CID (12.9L) VT785,VT8-370,VT8-380 Turbocharged Diesel V8 Cyl				5.500in./139.7mm x 4.125in./104.8mm			
Rod Bearing(8)	TM-112	CB-754P	STD	3.1240/3.1250	0.0020/0.0045	0.0948	3.3160/3.3165	1.3120
NOTE: Engines With 3.125" Crank Pins								
Piston Pin Bushing(8)	C-1	223-3545	STD			0.1400	2.2500/2.2500	2.2100
NOTE: Requires Boring,Tapered Bushing								
Rod Forging	147036, 156101, 160043, 175635, 175637, 177378							
C/S Forging	142690, 145830, 158370, 161960, 179440, 182240							
Connecting Rod	Step A 55 To 60 Lbs.Ft.; Step B 105 To 115 Lbs.Ft.; Step C Loosen All Nuts; Step D 30 To 32 Lbs.Ft.; Step E 60 To 65 Lbs.Ft.; Step F Rotate 30 Degrees; Step G Rotate 30 Degrees; Step H Bend Tangs Of Lockplates to Lock Nut (Lubricated Bolts)							
Main Bearing	Step A 150 To 160 Lbs.Ft.; Step B 340 To 350 Lbs.Ft.; Step C Loosen Bolts; Step D 85 To 90 Lbs.Ft.; Step E 170 To 180 Lbs.Ft.; Step F Rotate 30 Degrees; Step G Rotate 30 Degrees; Step H Tighten Side Bolts 35 To 40 Lbs.Ft.; Step I Tighten Side Bolts 70 To 75 Lbs.Ft. (Lubricated Bolts)							
28	903 CID (14.8L) Formula 903,V903C,V903 Diesel V8 Cyl				5.500in./139.7mm x 4.750in./120.7mm			28
	903 CID (14.8L) VT903C320,VT903C350,VT903C375,VT903 Turbocharged Diesel V8 Cyl				5.500in./139.7mm x 4.750in./120.7mm			
Rod Bearing(8)	TM-112	CB-1073P	STD,10,20	3.1240/3.1250	0.0020/0.0045	0.0948	3.3160/3.3165	1.3660
Main Bearing Set	TM-112	MS-1265P	STD,10,20,30					
1-2-3-4-5		MB-2621P		3.7490/3.7500	0.0019/0.0053	0.1552	4.0620/4.0630	1.3130
5		MB-2621W		4.1200/4.1400			5.2300/5.2400	0.1510
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position,Contains Dowel Pins								
Thrust Washer Set		TW-449S	STD					
		MB-2621W		4.1200/4.1400			5.2300/5.2400	0.1510
NOTE: Contains 4 Pieces, Position Number 5								
Cam Bearing Set	C-1	SH-1382S	STD					
1-5		SH-1382		2.4960/2.4970	0.0020/0.0060	0.0937	2.6865/2.6875	1.8100
2-3-4		SH-1383		2.4960/2.4970	0.0020/0.0060	0.0937	2.6865/2.6875	1.0700
Piston Pin Bushing(8)	C-1	223-3563	STD			0.1420	2.0015/2.0021	1.7600
NOTE: Requires Boring								
12 CYL								
29	1485 CID (24.4L) NVH12,NVH Diesel V12 Cyl				5.125in./130.2mm x 6.000in./152.4mm			29
	1485 CID (24.4L) NVHS Supercharged Diesel V12 Cyl				5.125in./130.2mm x 6.000in./152.4mm			
	1485 CID (24.4L) VT12 Turbocharged Diesel V12 Cyl				5.125in./130.2mm x 6.000in./152.4mm			
Rod Bearing(12)	TM-112	CB-621P	STD	3.7490/3.7500	0.0025/0.0050	0.1250	4.0020/4.0025	1.6350
NOTE: Late Style Bearings With Oil Hole In Upper And Lower Bearing Halves								
Cam Bearing Set	C-1	SH-1379S	STD					
All (28)		SH-1379		2.1220/2.1230	0.0010/0.0060	0.0645	2.2535/2.2545	0.7600
Piston Pin Bushing(24)	C-1	223-3496	STD			0.1400	2.2500/2.2505	1.1040
NOTE: Late Design, Requires 2 Per Rod,Requires Boring								
Connecting Rod	Step A 47 Lbs.Ft.; Step B 94 Lbs.Ft.; Step C 140 Lbs.Ft.; Step D Loosen All Nuts; Step E Repeat Steps A, B, And C (Lubricated Nuts)							
Main Bearing	Step A 200 To 210 Lbs.Ft.; Step B 410 To 420 Lbs.Ft.; Step C Loosen Nuts Or Capscrews Completely; Step D 60 To 62 Lbs.Ft.; Step E 120 To 125 Lbs.Ft.; Step F Turn 30 Degrees; Step G Turn 30 Degrees (Lubricated Bolts)							



CUMMINS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
12 CYL (Cont.)								
30	1710 CID (28.0L) V12-500,V12-800 Diesel V12 Cyl				5.500in./139.7mm x 6.000in./152.4mm			30
	1710 CID (28.0L) VT700,VT900 Turbocharged Diesel V12 Cyl				5.500in./139.7mm x 6.000in./152.4mm			
Rod Bearing(12)	TM-112	CB-621P	STD	3.7490/3.7500	0.0025/0.0050	0.1250	4.0020/4.0025	1.6350
NOTE: Phase 1 And Phase 2 Engines								
Main Bearing Set	TM-112	MS-1052P	STD,10,20					
1		MB-2593P		5.7485/5.7500	0.0029/0.0068	0.1712	6.0950/6.0960	2.0240
2-3-5-6		MB-2594P		5.7485/5.7500	0.0029/0.0068	0.1712	6.0950/6.0960	1.6400
4		MB-2595P		5.7485/5.7500	0.0029/0.0068	0.1712	6.0950/6.0960	2.1400
7		MB-2596P		5.7485/5.7500	0.0029/0.0068	0.1712	6.0950/6.0960	2.0240
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position,Contains Dowel Pins								
Cam Bearing Set	C-1	SH-1379S	STD					
All (28)		SH-1379		2.1220/2.1230	0.0010/0.0060	0.0645	2.2535/2.2545	0.7600
Rod Forging	180097, 190128							
C/S Forging	143140, 146460							
Connecting Rod	Step A 60 Lbs.Ft.; Step B 100 Lbs.Ft.; Step C 140 Lbs.Ft.; Step D Loosen All; Step E 60 Lbs.Ft.; Step F 100 Lbs.Ft.							
Main Bearing	135 To 145 Lbs.Ft. (Side Bolts)							
Main Bearing	420 To 460 Lbs.Ft. (Except Side Bolts)							
31	1710 CID (28.0L) V1710C500,V1710 Diesel V12 Cyl				5.500in./139.7mm x 6.000in./152.4mm			31
	1710 CID (28.0L) VT1710C525,VT1710C635,VT1710,VTA1710 Turbocharged Diesel V12 Cyl				5.500in./139.7mm x 6.000in./152.4mm			
Rod Bearing(12)	TM-112	CB-621P	STD	3.7490/3.7500	0.0025/0.0050	0.1250	4.0020/4.0025	1.6350
NOTE: Phase 1 And Phase 2 Engines								
Rod Bearing(12)	TM-112	CB-965P	STD,10,20	3.7485/3.7490	0.0035/0.0055	0.1250	4.0020/4.0025	1.8150
NOTE: Phase 3 Engines								
Main Bearing Set	TM-112	MS-1052P	STD,10,20					
1		MB-2593P		5.7485/5.7500	0.0029/0.0068	0.1712	6.0950/6.0960	2.0240
2-3-5-6		MB-2594P		5.7485/5.7500	0.0029/0.0068	0.1712	6.0950/6.0960	1.6400
4		MB-2595P		5.7485/5.7500	0.0029/0.0068	0.1712	6.0950/6.0960	2.1400
7		MB-2596P		5.7485/5.7500	0.0029/0.0068	0.1712	6.0950/6.0960	2.0240
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position,Contains Dowel Pins								
Cam Bearing Set	C-1	SH-1379S	STD					
All (28)		SH-1379		2.1220/2.1230	0.0010/0.0060	0.0645	2.2535/2.2545	0.7600
Rod Forging	180097, 190128							
C/S Forging	143140, 146460							
Connecting Rod	Step A 60 Lbs.Ft.; Step B 100 Lbs.Ft.; Step C 140 Lbs.Ft.; Step D Loosen All; Step E 60 Lbs.Ft.; Step F 100 Lbs.Ft.							
Main Bearing	135 To 145 Lbs.Ft. (Side Bolts)							
Main Bearing	420 To 460 Lbs.Ft. (Except Side Bolts)							
32	2301 CID (37.7L) K38 Diesel V12 Cyl				6.250in./158.8mm x 6.250in./158.8mm			32
	2301 CID (37.7L) KT38,KTA38,KTTA38 Turbocharged Diesel V12 Cyl				6.250in./158.8mm x 6.250in./158.8mm			
Rod Bearing(12)	TM-112	CB-1619P	STD,10,20	4.2485/4.2500	0.0035/0.0065	0.1243	4.5020/4.5025	2.0750
Main Bearing Set	TM-112	MS-2018P	STD,10,20					
1-7		MB-3453P		6.4985/6.5000	0.0036/0.0075	0.1707	6.8450/6.8460	2.0750
2-3-4-5-6		MB-3452P		6.4985/6.5000	0.0036/0.0075	0.1707	6.8450/6.8460	2.2000
7		MB-3453W						0.1950
NOTE: Contains 2 Piece Thrust Washer Set, Use In Number 7 Position								
Thrust Washer(2)		MB-3453W	STD					0.1950
NOTE: Only Sold Separately, Position Number 7, Use With Part Number MS-2018P								
Connecting Rod	Step A 70 To 80 Lbs.Ft.; Step B 140 To 150 Lbs.Ft.; Step C 210 To 220 Lbs.Ft.; Step D Loosen All Bolts; Step E Repeat Steps A, B, And C (Lubricated Bolts)							
Main Bearing	Step A 190 To 200 Lbs.Ft.; Step B 440 To 450 Lbs.Ft.; Step C Loosen all Capscrews; Step D Repeat Steps A And B; Step E Right Bank Side Bolts 150 To 160 Lbs.Ft.; Step F Left Bank Side Bolt 150 To 160 Lbs.Ft.; Step G Right Bank Side Bolts 325 To 335 Lbs.Ft.; Step H Left Bank Side Bolts 325 To 335 Lbs.Ft. (Lubricated Bolts)							
16 CYL								
33	3068 CID (50.3L) K50 Diesel V16 Cyl				6.250in./158.8mm x 6.250in./158.8mm			33
	3068 CID (50.3L) KT50,KTA50,KTTA50 Turbocharged Diesel V16 Cyl				6.250in./158.8mm x 6.250in./158.8mm			
Rod Bearing(16)	TM-112	CB-1619P	STD,10,20	4.2485/4.2500	0.0035/0.0065	0.1243	4.5020/4.5025	2.0750



CUMMINS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
16 CYL (Cont.)								
33 (Cont.)	3068 CID (50.3L) K50 Diesel V16 Cyl			6.250in./158.8mm x 6.250in./158.8mm				33 (Cont.)
	3068 CID (50.3L) KT50,KTA50,KTTA50 Turbocharged Diesel V16 Cyl			6.250in./158.8mm x 6.250in./158.8mm				
Main Bearing Set 1-9	TM-112	MS-2019P	STD,10,20	6.4985/6.5000	0.0036/0.0075	0.1707	6.8450/6.8460	2.0750
2-3-4-5-6-7-8		MB-3453P		6.4985/6.5000	0.0036/0.0075	0.1707	6.8450/6.8460	2.2000
9		MB-3452P						0.1950
		MB-3453W						
NOTE: Contains 2 Piece Thrust Washer Set, Use In Number 9 Position								
Thrust Washer(2)		MB-3453W	STD					0.1950
NOTE: Only Sold Separately, Position Number 9, Use With Part Number MS-2019P								
DAIHATSU								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
2 CYL				4 CYL				
547CC (0.5L) AB	1976-1986	2.819in./71.6mmX2.677in./68mm	1	1295CC (1.3L) HC	1989-1992	2.992in./76mmX2.795in./71mm	3	
617CC (0.6L) AD	1982-1985	2.992in./76mmX2.677in./68mm	1	1296CC (1.3L) HCE	1989-1993	2.992in./76mmX2.795in./71mm	3	
3 CYL				1589CC (1.6L) HD	1990-1992	2.992in./76mmX3.465in./88mm	3	
843CC (0.8L) CD	1982-1990	2.756in./70mmX2.874in./73mm	2	1589CC (1.6L) HDE	1989-1995	2.992in./76mmX3.465in./88mm	3	
993CC (1.0L) CB	1988-1992	2.992in./76mmX2.874in./73mm	2					
993CC (1.0L) CL	1977-1990	2.992in./76mmX2.874in./73mm	2					
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
	547CC (0.5L) AB	1976-1986	1	Charade	1295CC (1.3L) HC	1989-1992	3	
	617CC (0.6L) AD	1982-1985	1	Charade	1296CC (1.3L) HCE	1989-1993	3	
	843CC (0.8L) CD	1982-1990	2	Rocky	1589CC (1.6L) HD	1990-1992	3	
	993CC (1.0L) CL	1977-1990	2	Rocky	1589CC (1.6L) HDE	1989-1995	3	
Charade	993CC (1.0L) CB	1988-1992	2					
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
2 CYL								
1	547CC (0.5L) AB 2 Cyl (1976-1986)			2.819in./71.6mm x 2.677in./68mm				1
	617CC (0.6L) AD 2 Cyl (1982-1985)			2.992in./76mm x 2.677in./68mm				
Rod Bearing(2)	AL-3	CB-1405AL	STD,.25mm,.75mm	1.5740/1.5748	0.0008/0.0021	0.0587	1.6931/1.6939	0.7090
Thrust Washer Set		TW-460S	STD	1.8898			2.4409	0.0780
		MB-3144W						
NOTE: Contains 2 Pieces, Position Number 2								
Connecting Rod	15 To 21 Lbs.Ft.							
Main Bearing	39 To 48 Lbs.Ft.							
3 CYL								
2	843CC (0.8L) CD 3 Cyl (1982-1990)			2.756in./70mm x 2.874in./73mm				2
	993CC (1.0L) CB 3 Cyl (1988-1992)			2.992in./76mm x 2.874in./73mm				
	993CC (1.0L) CL 3 Cyl (1977-1990)			2.992in./76mm x 2.874in./73mm				
Rod Bearing(3)	AL-3	CB-1405AL	STD,.25mm,.75mm	1.5740/1.5748	0.0008/0.0021	0.0587	1.6931/1.6939	0.7090
Thrust Washer Set		TW-460S	STD	1.8898			2.4409	0.0780
		MB-3144W						
NOTE: Contains 2 Pieces, Position Number 3								
Balance Shaft Bearing Set	AL-3	SH-1453S	STD					
1		SH-1452		1.7700/1.7707	0.0012/0.0034	0.0594	1.8900/1.8907	0.6690
2		SH-1453		1.3369/1.3376	0.0012/0.0034	0.0594	1.4570/1.4577	0.7870
Connecting Rod	15 To 21 Lbs.Ft.							
Main Bearing	39 To 48 Lbs.Ft.							



DAIHATSU (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL									
3	1295CC (1.3L) HC 4 Cyl (1989-1992)				2.992in./76mm x 2.795in./71mm				3
	1296CC (1.3L) HCE 4 Cyl (1989-1993)				2.992in./76mm x 2.795in./71mm				
	1589CC (1.6L) HD 4 Cyl (1990-1992)				2.992in./76mm x 3.465in./88mm				
	1589CC (1.6L) HDE 4 Cyl (1989-1995)				2.992in./76mm x 3.465in./88mm				
Rod Bearing(4)	AL-3	CB-1658AL	STD,.25mm	1.7709/1.7717	0.0008/0.0034	0.0587	1.8898/1.8905	0.7090	
Thrust Washer Set		TW-599S	STD	2.2441/2.2539			2.9823/2.9921	0.0980	
		MB-3554W							
NOTE: Contains 2 Pieces, Position Number 3									
Connecting Rod	25 To 32 Lbs.Ft.								
Main Bearing	33 To 40 Lbs.Ft.								
DAVID BROWN TRACTOR									
ENGINE DATA									
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block		
	3 CYL				4 CYL				
AD3/55 164 CID (2.7L) Diesel	3.938in./100mmX4.500in./114.3mm		1	AD4/55 219 CID (3.6L) Diesel	3.938in./100mmX4.500in./114.3mm		2		
MODEL DATA									
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block		
770 Base Model	Wheel Tractor	164 CID (2.7L) AD3/55 Diesel	1	996 Base Model	Wheel Tractor	219 CID (3.6L) AD4/55 Diesel	2		
780 Base Model	Wheel Tractor	164 CID (2.7L) AD3/55 Diesel	1	1200 Base Model	Wheel Tractor	219 CID (3.6L) AD4/55 Diesel	2		
880 Base Model	Wheel Tractor	164 CID (2.7L) AD3/55 Diesel	1	1210 Base Model	Wheel Tractor	219 CID (3.6L) AD4/55 Diesel	2		
885 Base Model	Wheel Tractor	164 CID (2.7L) AD3/55 Diesel	1	1212 Base Model	Wheel Tractor	219 CID (3.6L) AD4/55 Diesel	2		
990 Base Model	Wheel Tractor	219 CID (3.6L) AD4/55 Diesel	2	1410 Base Model	Wheel Tractor	219 CID (3.6L) AD4/55 Diesel	2		
995 Base Model	Wheel Tractor	219 CID (3.6L) AD4/55 Diesel	2	1412 Base Model	Wheel Tractor	219 CID (3.6L) AD4/55 Diesel	2		
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
3 CYL									
1	164 CID (2.7L) AD3/55 Diesel 3 Cyl				3.938in./100mm x 4.500in./114.3mm				1
Rod Bearing(3)	AL-3	CB-1445AL	STD,10	2.3730/2.3735	0.0020	0.0720	2.5195/2.5205	1.1500	
Connecting Rod		50 Lbs.Ft.							
4 CYL									
2	219 CID (3.6L) AD4/55 Diesel 4 Cyl				3.938in./100mm x 4.500in./114.3mm				2
Rod Bearing(4)	AL-3	CB-1445AL	STD,10	2.3730/2.3735	0.0020	0.0720	2.5195/2.5205	1.1500	
Main Bearing Set 1-2-3	AL-3	MS-1792AL	STD,20,30	2.4990/2.4995		0.0025	0.0820	2.6660/2.6670	1.7550
		MB-3212AL							
NOTE: Use With Part Number TW-467S									
Connecting Rod	140 Lbs.Ft.								
Main Bearing	50 Lbs.Ft.								



DETROIT DIESEL					
ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
2 CYL			6 CYL (Cont.)		
2-53 106 CID (1.7L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	1	6V-92TTAC 552 CID (9.0L) Diesel Supercharged	4.840in./122.9mmX5.000in./127mm	16
2-53N 106 CID (1.7L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	1	Series 40 Navistar 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	15
2-71 142 CID (2.3L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	2	Series 40 International 530 CID (8.7L) Diesel Turbocharged	4.587in./116.5mmX5.350in./135.9mm	15
3 CYL			Series 40G International 530 CID (8.7L) CNG Turbocharged	4.587in./116.5mmX5.350in./135.9mm	15
3-53 159 CID (2.6L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	3	Series 60 677 CID (11.1L) Diesel Turbocharged	5.118in./130mmX5.472in./139mm	17
3-53N 159 CID (2.6L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	3	Series 60 778 CID (12.7L) Diesel Turbocharged	5.118in./130mmX6.299in./160mm	17
3-71 213 CID (3.5L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	4	Series 60G 677 CID (11.1L) CNG	5.118in./130mmX5.472in./139mm	17
4 CYL			8 CYL		
4-53 212 CID (3.5L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	6	8V-53 424 CID (6.9L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	18
4-53N 212 CID (3.5L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	6	8V-53N 424 CID (6.9L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	18
4-53T 212 CID (3.5L) Diesel Turbocharged	3.875in./98.4mmX4.500in./114.3mm	7	8V-53T 424 CID (6.9L) Diesel Turbocharged	3.875in./98.4mmX4.500in./114.3mm	19
4-71 284 CID (4.7L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	8	8V-71 568 CID (9.3L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	21
4-71E 284 CID (4.7L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	8	8V-71T 568 CID (9.3L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	22
4-71N 284 CID (4.7L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	8	8V-71NE 568 CID (9.3L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	22
50 Series CID	5.118in./130mmX5.472in./139mm	5	8V-71T 568 CID (9.3L) Diesel Turbocharged	4.250in./108mmX5.000in./127mm	21
6 CYL			8V-71T 568 CID (9.3L) Diesel Turbocharged	4.250in./108mmX5.000in./127mm	23
6-71 426 CID (7.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	11	8V-71TA 568 CID (9.3L) Diesel Turbocharged/Aftercooled	4.250in./108mmX5.000in./127mm	24
6-71E 426 CID (7.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	11	8V-71TT 568 CID (9.3L) Diesel Turbocharged	4.250in./108mmX5.000in./127mm	24
6-71N 426 CID (7.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	11	8V-92 736 CID (12.1L) Diesel Supercharged	4.840in./122.9mmX5.000in./127mm	25
6-71T 426 CID (7.0L) Diesel Turbocharged	4.250in./108mmX5.000in./127mm	11	8V-92T 736 CID (12.1L) Diesel Turbocharged	4.840in./122.9mmX5.000in./127mm	25
6-71TT 426 CID (7.0L) Diesel Turbocharged	4.250in./108mmX5.000in./127mm	12	8V-92TA 736 CID (12.1L) Diesel Turbocharged	4.840in./122.9mmX5.000in./127mm	25
6V-53 318 CID (5.2L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	9	8V-92TAC 736 CID (12.1L) Diesel Turbocharged	4.840in./122.9mmX5.000in./127mm	25
6V-53N 318 CID (5.2L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	9	8V-92TT 736 CID (12.1L) Diesel Turbocharged	4.840in./122.9mmX5.000in./127mm	25
6V-53T 318 CID (5.2L) Diesel Turbocharged	3.875in./98.4mmX4.500in./114.3mm	10	8V-92TTA 736 CID (12.1L) Diesel Turbocharged	4.840in./122.9mmX5.000in./127mm	25
6V-71 426 CID (7.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	13	8V-92TTAC 736 CID (12.1L) Diesel Turbocharged	4.840in./122.9mmX5.000in./127mm	25
6V-71E 426 CID (7.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	13	500 CID (8.2L) Diesel	4.250in./108mmX4.406in./112mm	20
6V-71N 426 CID (7.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	13	500 CID (8.2L) Diesel Turbocharged	4.250in./108mmX4.406in./112mm	20
6V-71NE 426 CID (7.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	13	12 CYL		
6V-71T 426 CID (7.0L) Diesel Turbocharged	4.250in./108mmX5.000in./127mm	14	12V-71 852 CID (14.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	26
6V-92 552 CID (9.0L) Diesel Supercharged	4.840in./122.9mmX5.000in./127mm	16	12V-71N 852 CID (14.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	26
6V-92T 552 CID (9.0L) Diesel Turbocharged	4.840in./122.9mmX5.000in./127mm	16	12V-71NE 852 CID (14.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	27
6V-92TA 552 CID (9.0L) Diesel Turbocharged/Aftercooled	4.840in./122.9mmX5.000in./127mm	16	12V-71T 852 CID (14.0L) Diesel Turbocharged	4.250in./108mmX5.000in./127mm	28
6V-92TAC 552 CID (9.0L) Diesel Supercharged	4.840in./122.9mmX5.000in./127mm	16	12V-92 1104 CID (18.1L) Diesel Supercharged	4.840in./122.9mmX5.000in./127mm	29
6V-92TT 552 CID (9.0L) Diesel Turbocharged	4.840in./122.9mmX5.000in./127mm	16	12V-92T 1104 CID (18.1L) Diesel Turbocharged	4.840in./122.9mmX5.000in./127mm	29
6V-92TTA 552 CID (9.0L) Diesel Turbocharged	4.840in./122.9mmX5.000in./127mm	16	12V-92TT 1104 CID (18.1L) Diesel Turbocharged	4.840in./122.9mmX5.000in./127mm	29



DETROIT DIESEL (Cont.)														
ENGINE DATA (Cont.)														
Engine			Bore & Stroke			Block	Engine			Bore & Stroke			Block	
12 CYL (Cont.)						16 CYL (Cont.)								
12V-92TTA 1104 CID (18.1L) Diesel Turbocharged			4.840in./122.9mmX5.000in./127mm			29	16V-92 1472 CID (24.1L) Diesel Supercharged			4.840in./122.9mmX5.000in./127mm			33	
12V-149 1788 CID (29.3L) Diesel Turbocharged			5.750in./146.1mmX5.750in./146.1mm			30	16V-92T 1472 CID (24.1L) Diesel Turbocharged			4.840in./122.9mmX5.000in./127mm			33	
							16V-92TT 1472 CID (24.1L) Diesel Turbocharged			4.840in./122.9mmX5.000in./127mm			33	
							16V-92TTA 1472 CID (24.1L) Diesel Turbocharged			4.840in./122.9mmX5.000in./127mm			33	
16V-71 1136 CID (18.6L) Diesel Supercharged			4.250in./108mmX5.000in./127mm			31	16V-149 2384 CID (39.1L) Diesel Supercharged			5.750in./146.1mmX5.750in./146.1mm			34	
16V-71N 1136 CID (18.6L) Diesel Supercharged			4.250in./108mmX5.000in./127mm			31								
16V-71T 1136 CID (18.6L) Diesel Supercharged			4.250in./108mmX5.000in./127mm			32								
CONNECTING ROD FORGING NUMBERS														
Forging No.			Stroke	Block	Forging No.			Stroke	Block	Forging No.			Stroke	Block
5117002			5.000in./127mm	13	5133009			4.500in./114.3mm	9	5144384			5.000in./127mm	21
5121248			4.500in./114.3mm	1	5133009			4.500in./114.3mm	10	5144384			5.000in./127mm	22
5121248			4.500in./114.3mm	3	5133009			4.500in./114.3mm	18	5144469			5.000in./127mm	2
5121248			4.500in./114.3mm	6	5133009			4.500in./114.3mm	19	5144469			5.000in./127mm	4
5121248			4.500in./114.3mm	7	5135051			5.000in./127mm	13	5144469			5.000in./127mm	8
5125239			5.000in./127mm	13	5135051			5.000in./127mm	21	5144469			5.000in./127mm	11
5128158			4.500in./114.3mm	9	5135051			5.000in./127mm	22	5150093			5.000in./127mm	2
5128158			4.500in./114.3mm	10	5144384			5.000in./127mm	13	5150093			5.000in./127mm	4
CRANKSHAFT FORGING NUMBERS														
Forging No.			Stroke	Block	Forging No.			Stroke	Block	Forging No.			Stroke	Block
2-71			5.000in./127mm	2	5116022			4.500in./114.3mm	7	5144867			5.000in./127mm	21
3-71			5.000in./127mm	4	5116029			4.500in./114.3mm	1	5144867			5.000in./127mm	22
4-71			5.000in./127mm	8	5116029			4.500in./114.3mm	3	5145942			5.750in./146.1mm	34
6-71			5.000in./127mm	11	5116029			4.500in./114.3mm	6	5146572			5.000in./127mm	13
511706			5.000in./127mm	21	5116029			4.500in./114.3mm	7	5146573			5.000in./127mm	26
511706			5.000in./127mm	22	5116030			4.500in./114.3mm	9	5154184			5.000in./127mm	2
5103281			5.000in./127mm	21	5116030			4.500in./114.3mm	10	5154256			5.000in./127mm	11
5103281			5.000in./127mm	22	5117212			5.000in./127mm	26	5154701			5.000in./127mm	8
5103318			4.500in./114.3mm	6	5117906			5.000in./127mm	13	5154926			5.000in./127mm	4
5103318			4.500in./114.3mm	7	5119906			5.000in./127mm	13	5154929			5.000in./127mm	4
5116022			4.500in./114.3mm	1	5132942			5.000in./127mm	2	5155255			5.000in./127mm	11
5116022			4.500in./114.3mm	3	5136449			4.500in./114.3mm	18	5160034			5.000in./127mm	11
5116022			4.500in./114.3mm	6	5136449			4.500in./114.3mm	19	5173988			5.000in./127mm	11
COUNTER DATA						SHOP DATA								
Bearing or Position		Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter		Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore		Max Length		
2 CYL														
1	106 CID (1.7L) 2-53,2-53N Supercharged Diesel 2 Cyl								3.875in./98.4mm x 4.500in./114.3mm			1		
Rod Bearing(2)		TM-112	CB-1265P	STD,10,20,30,40		2.4990/2.5000		0.0020/0.0050	0.1250	2.7515/2.7525		1.3200		
Main Bearing(3)		TM-112	MB-1897P	STD,10,20,30		2.9990/3.0000		0.0013/0.0043	0.1250	3.2510/3.2520		1.1850		
NOTE: Only Sold Separately														
Thrust Washer Set			TW-412S MB-2522W	STD		3.3380/3.3480				4.2700/4.2800		0.1220		
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MB-1897P														
Balance Shaft Bearing Set		C-1	SH-698S	STD										
1-3			SH-686			2.1820/2.1825		0.0039/0.0065	0.0943	2.3750/2.3760		1.5100		
2			SH-687			2.1820/2.1825		0.0040/0.0065	0.0893	2.3650/2.3660		1.5100		
Piston Pin Bushing(2)		C-1	223-3622	STD										
NOTE: Requires Boring														
Rod Forging		5121248												
C/S Forging		5116022, 5116029												
Connecting Rod		40 To 45 Lbs.Ft.												
Main Bearing		120 To 130 Lbs.Ft.												



DETROIT DIESEL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
2 CYL (Cont.)								
2	142 CID (2.3L) 2-71 Supercharged Diesel 2 Cyl			4.250in./108mm x 5.000in./127mm				2
Rod Bearing(2)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800
Main Bearing(3)	TM-112	MB-1276P	STD,10,20,30,40	3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930
NOTE: Only Sold Separately								
Thrust Washer Set		TW-411S MB-2524W	STD	3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MB-1276P (3)								
Cam Bearing Set 1-2-3-4-5	C-1	SH-527S SH-527	STD	2.0605/2.0610	0.0040/0.0075	0.0925	2.2500/2.2510	1.5500
NOTE: From Engine Serial Number 2A-37623, Contains 5 Bearings, 3 used on the Camshaft and 2 used on the Balance Shaft								
Piston Pin Bushing(4)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod, Requires Boring								
Piston Pin Bushing(2)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston, 1 Per Rod								
Rod Forging	5144469, 5150093, 5154265							
C/S Forging	2-71, 5132942, 5154184							
Connecting Rod	60 To 70 Lbs.Ft. (Lubrite Nuts)							
Connecting Rod	65 To 75 Lbs.Ft. (Castellated Nuts)							
Main Bearing	190 To 200 Lbs.Ft.							
3 CYL								
3	159 CID (2.6L) 3-53,3-53N Supercharged Diesel 3 Cyl			3.875in./98.4mm x 4.500in./114.3mm				3
Rod Bearing(3)	TM-112	CB-1265P	STD,10,20,30,40	2.4990/2.5000	0.0020/0.0050	0.1250	2.7515/2.7525	1.3200
Main Bearing(4)	TM-112	MB-1897P	STD,10,20,30	2.9990/3.0000	0.0013/0.0043	0.1250	3.2510/3.2520	1.1850
Thrust Washer Set		TW-412S MB-2522W	STD	3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MB-1897P								
Cam Bearing Set 1-3 2	C-1	SH-699S SH-686 SH-687	STD	2.1820/2.1825 2.1820/2.1825	0.0039/0.0065 0.0040/0.0065	0.0943 0.0893	2.3750/2.3760 2.3650/2.3660	1.5100 1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings								
Piston Pin Bushing(3)	C-1	223-3622	STD			0.1225	1.6005/1.6010	0.7550
NOTE: Requires Boring								
Rod Forging	5121248							
C/S Forging	5116022, 5116029, 6116028							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	120 To 130 Lbs.Ft.							
4	213 CID (3.5L) 3-71 Supercharged Diesel 3 Cyl			4.250in./108mm x 5.000in./127mm				4
Rod Bearing(3)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800
Main Bearing(4)	TM-112	MB-1276P	STD,10,20,30,40	3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930
Thrust Washer Set		TW-411S MB-2524W	STD	3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MB-1276P (4)								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: From Engine Serial Number 3A-27384, Contains 8 Bushings, Housing Requires 2 Bushings Each, Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(2)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(2)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: From Engine Serial Number 3A-27384, Contains 4 Pieces								



DETROIT DIESEL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL (Cont.)								
4 (Cont.)	213 CID (3.5L) 3-71 Supercharged Diesel 3 Cyl				4.250in./108mm x 5.000in./127mm			4 (Cont.)
Piston Pin Bushing(6)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod, Requires Boring								
Piston Pin Bushing(3)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston, 1 Per Rod								
Rod Forging	5144469, 5150093, 5154265							
C/S Forging	3-71, 5154926, 5154929, 5184214, 5773990							
Connecting Rod	60 To 70 Lbs.Ft.							
Main Bearing	120 To 140 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
4 CYL								
5	50 Series 4 Cyl				5.118in./130mm x 5.472in./139mm			5
Rod Bearing(4)	TM-77	CB-1662P	STD,10,20	3.3450/3.3460	0.0016/0.0046	0.1230	3.5940/3.5950	1.7100
Main Bearing Set	TM-77	MS-2092P	STD,10,20					
1-2-3-5		MB-3561P		4.9200/4.9210	0.0016/0.0050	0.1567	5.2360/5.2370	1.5530
4		MB-3562P		4.9200/4.9210	0.0016/0.0050	0.1567	5.2360/5.2370	1.8040
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-600S								
Thrust Washer Set		TW-600S	STD					
		MB-3562W		5.2000/5.2200			6.2100/6.2300	0.0000
NOTE: Contains 2 Piece Thrust Washer Set, Use In Number 4 Position, Use With Part Number MS-2092P								
6	212 CID (3.5L) 4-53,4-53N Supercharged Diesel 4 Cyl				3.875in./98.4mm x 4.500in./114.3mm			6
Rod Bearing(4)	TM-112	CB-1265P	STD,10,20,30,40	2.4990/2.5000	0.0020/0.0050	0.1250	2.7515/2.7525	1.3200
Main Bearing Set	TM-112	MS-502P	STD,10,20,30					
1-2-3-4-5		MB-1897P		2.9990/3.0000	0.0013/0.0043	0.1250	3.2510/3.2520	1.1850
5		MB-2522W		3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-412S	STD					
		MB-2522W		3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-502P								
Cam Bearing Set	C-1	SH-700S	STD					
1-5		SH-686		2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100
2-4		SH-687		2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100
3		SH-688		2.1820/2.1825	0.0039/0.0065	0.0843	2.3550/2.3560	1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings								
Piston Pin Bushing(4)	C-1	223-3622	STD			0.1225	1.6005/1.6010	0.7550
NOTE: Requires Boring								
Rod Forging	5121248							
C/S Forging	5103318, 5116022, 5116029, 5181377							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	120 To 130 Lbs.Ft.							
7	212 CID (3.5L) 4-53T Turbocharged Diesel 4 Cyl				3.875in./98.4mm x 4.500in./114.3mm			7
Rod Bearing(4)	TM-112	CB-1265P	STD,10,20,30,40	2.4990/2.5000	0.0020/0.0050	0.1250	2.7515/2.7525	1.3200
Main Bearing Set	TM-112	MS-1525P	STD,10,20					
1-2-3-4-5		MB-2857P		2.9990/3.0000	0.0013/0.0043	0.1250	3.2510/3.2520	1.1850
5		MB-2522W		3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-412S	STD					
		MB-2522W		3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1525P								
Cam Bearing Set	C-1	SH-700S	STD					
1-5		SH-686		2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100
2-4		SH-687		2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100
3		SH-688		2.1820/2.1825	0.0039/0.0065	0.0843	2.3550/2.3560	1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings								



DETROIT DIESEL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
7 (Cont.)	212 CID (3.5L) 4-53T Turbocharged Diesel 4 Cyl			3.875in./98.4mm x 4.500in./114.3mm				7 (Cont.)
Piston Pin Bushing(4)	C-1	223-3634	STD			0.1060	1.6850/1.6900	0.7100
NOTE: Requires Boring								
Rod Forging	5121248							
C/S Forging	5103318, 5116022, 5116029, 5181377							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	120 To 130 Lbs.Ft.							
8	284 CID (4.7L) 4-71,4-71E,4-71N Supercharged Diesel 4 Cyl			4.250in./108mm x 5.000in./127mm				8
Rod Bearing(4)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800
Main Bearing(5)	TM-112	MB-1276P	STD,10,20,30,40	3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930
Thrust Washer Set		TW-411S MB-2524W	STD	3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MB-1276P (5)								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: From Engine Serial Number 4A-59280, Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(3)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(3)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: From Engine Serial Number 4A-59280, Contains 4 Pieces								
Piston Pin Bushing(8)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(4)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston, 1 Per Rod								
Rod Forging	5144469, 5150093, 5154265							
C/S Forging	4-71, U-3967, 5154701, 5182942							
Connecting Rod	60 To 70 Lbs.Ft.							
Main Bearing	120 To 140 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
6 CYL								
9	318 CID (5.2L) 6V-53,6V-53N Supercharged Diesel V6 Cyl			3.875in./98.4mm x 4.500in./114.3mm				9
Rod Bearing(6)	TM-112	CB-674P	STD,10,20,30	2.7490/2.7500	0.0016/0.0046	0.1252	3.0015/3.0025	1.1100
Main Bearing Set	TM-112	MS-506P	STD,10,20	3.4990/3.5000	0.0023/0.0053	0.1245	3.7510/3.7520	1.0050
1-2-3-4		MB-1931P		3.8430/3.8435			4.6250/4.6350	0.1220
4		MB-2524W						
NOTE: Thru Engine Serial Number 6D-17960, 1 Oil Hole In Upper Half Bearing,Contains 4 Piece Thrust Washer Set, Use In Number 4 Position								
Main Bearing Set	TM-112	MS-885P	STD,10,20,30	3.4990/3.5000	0.0023/0.0053	0.1245	3.7510/3.7520	1.0050
1-2-3-4		MB-2474P		3.8430/3.8435			4.6250/4.6350	0.1220
4		MB-2524W						
NOTE: From Engine Serial Number 6D-17961, 7 Oil Holes In Upper Half Bearing,Contains 4 Piece Thrust Washer Set, Use In Number 4 Position								
Thrust Washer Set		TW-411S MB-2524W	STD	3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-506P,MS-885P								
Cam Bearing Set	C-1	SH-701S	STD					
1-4		SH-686		2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100
2-3		SH-687		2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings								



DETROIT DIESEL (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
9 (Cont.)	318 CID (5.2L) 6V-53,6V-53N Supercharged Diesel V6 Cyl				3.875in./98.4mm x 4.500in./114.3mm				9 (Cont.)
Piston Pin Bushing(6)	C-1	223-3622	STD			0.1225	1.6005/1.6010	0.7550	
NOTE: Requires Boring									
Rod Forging	5128158, 5133009								
C/S Forging	A-399, 5116030								
Connecting Rod	24 To 28 Lbs.Ft. (5/16" Bolts)								
Connecting Rod	40 To 45 Lbs.Ft. (3/8" Bolts)								
Main Bearing	120 To 130 Lbs.Ft.								
10	318 CID (5.2L) 6V-53T Turbocharged Diesel V6 Cyl				3.875in./98.4mm x 4.500in./114.3mm				10
Rod Bearing(6)	TM-112	CB-674P	STD,10,20,30	2.7490/2.7500	0.0016/0.0046	0.1252	3.0015/3.0025	1.1100	
Main Bearing Set	TM-112	MS-506P	STD,10,20						
1-2-3-4		MB-1931P		3.4990/3.5000	0.0023/0.0053	0.1245	3.7510/3.7520	1.0050	
4		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220	
NOTE: Thru Engine Serial Number 6D-17960, 1 Oil Hole In Upper Half Bearing,Contains 4 Piece Thrust Washer Set, Use In Number 4 Position									
Main Bearing Set	TM-112	MS-885P	STD,10,20,30						
1-2-3-4		MB-2474P		3.4990/3.5000	0.0023/0.0053	0.1245	3.7510/3.7520	1.0050	
4		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220	
NOTE: From Engine Serial Number 6D-17961, 7 Oil Holes In Upper Half Bearing,Contains 4 Piece Thrust Washer Set, Use In Number 4 Position									
Thrust Washer Set		TW-411S	STD						
		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220	
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-506P,MS-885P									
Cam Bearing Set	C-1	SH-701S	STD						
1-4		SH-686		2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100	
2-3		SH-687		2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100	
NOTE: Contains Camshaft And Balance Shaft Bearings									
Piston Pin Bushing(6)	C-1	223-3634	STD			0.1060	1.6850/1.6900	0.7100	
NOTE: Requires Boring									
Rod Forging	5128158, 5133009								
C/S Forging	A-399, 5116030								
Connecting Rod	24 To 28 Lbs.Ft. (5/16" Bolts)								
Connecting Rod	40 To 45 Lbs.Ft. (3/8" Bolts)								
Main Bearing	120 To 130 Lbs.Ft.								
11	426 CID (7.0L) 6-71,6-71E,6-71N Supercharged Diesel 6 Cyl				4.250in./108mm x 5.000in./127mm				11
	426 CID (7.0L) 6-71T Turbocharged Diesel 6 Cyl				4.250in./108mm x 5.000in./127mm				
Rod Bearing(6)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800	
Main Bearing Set	TM-112	MS-271P	STD,10,20,30,40						
1-2-3-4-5-6-7		MB-1276P		3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930	
7		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220	
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position									
Thrust Washer Set		TW-411S	STD						
		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220	
NOTE: Contains 4 Pieces, Position Number 7, Use With Part Number MS-271P									
Cam Bearing Set	C-1	SH-476RS	STD,20						
		SH-476R		1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720	
NOTE: From Engine Serial Number 6A-57745, Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing									
Cam Bearing(5)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230	
NOTE: Contains Steel Bushing In Center Hole									
Cam Bearing(5)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230	
NOTE: Steel Bushing In Center Hole Not Included									
Cam Thrust Washer Set		SH-477WS	STD						
		SH-477W		1.6910			2.1563	0.1220	
NOTE: From Engine Serial Number 6A-57745, Contains 4 Pieces									



DETROIT DIESEL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
11 (Cont.)	426 CID (7.0L) 6-71,6-71E,6-71N Supercharged Diesel 6 Cyl			4.250in./108mm x 5.000in./127mm			11 (Cont.)	
	426 CID (7.0L) 6-71T Turbocharged Diesel 6 Cyl			4.250in./108mm x 5.000in./127mm				
Piston Pin Bushing(12)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(6)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston, 1 Per Rod								
Rod Forging	5144469, 5150093, 5154265							
C/S Forging	6-71, 5154256, 5155255, 5160034, 5173988, 5179067, 5182940							
Connecting Rod	60 To 70 Lbs.Ft.							
Main Bearing	120 To 140 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
12	426 CID (7.0L) 6-71TT Turbocharged Diesel 6 Cyl			4.250in./108mm x 5.000in./127mm			12	
Rod Bearing(6)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800
Cam Thrust Washer Set		SH-477WS	STD					
		SH-477W		1.6910			2.1563	0.1220
NOTE: From Engine Serial Number 6A-57745, Contains 4 Pieces								
Piston Pin Bushing(12)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(6)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston, 1 Per Rod								
13	426 CID (7.0L) 6V-71,6V-71E,6V-71N,6V-71NE Supercharged Diesel V6 Cyl			4.250in./108mm x 5.000in./127mm			13	
Rod Bearing(6)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing Set 1-2-3-4	TM-112	MS-1385P	STD,10,20,30	4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130	1.2450
		MB-2687P		4.7500/4.7600			5.7300/5.7400	0.1220
		MB-2523W						
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 4 Position								
Thrust Washer Set		TW-402S	STD	4.7500/4.7600			5.7300/5.7400	0.1220
		MB-2523W						
NOTE: Contains 4 Pieces, Position Number 4								
Cam Bearing Set	C-1	SH-476RS	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
		SH-476R						
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(4)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(4)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS	STD					
		SH-477W		1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(12)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(6)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston, 1 Per Rod								
Rod Forging	5117002, 5125239, 5135051, 5144384							
C/S Forging	5117906, 5119906, 5146572							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	155 To 185 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
14	426 CID (7.0L) 6V-71T Turbocharged Diesel V6 Cyl			4.250in./108mm x 5.000in./127mm			14	
Rod Bearing(6)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100



DETROIT DIESEL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
14 (Cont.)	426 CID (7.0L) 6V-71T Turbocharged Diesel V6 Cyl				4.250in./108mm x 5.000in./127mm			14 (Cont.)
Main Bearing Set 1-2-3-4 4	TM-112	MS-1385P MB-2687P MB-2523W	STD,10,20,30	4.4990/4.5000 4.7500/4.7600	0.0019/0.0049	0.1552	4.8120/4.8130 5.7300/5.7400	1.2450 0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 4 Position								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1385P								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(4)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(12)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: 2 Per Rod,Requires Boring								
Piston Pin Bushing(6)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston, 1 Per Rod								
Connecting Rod Main Bearing	60 To 70 Lbs.Ft. 165 To 175 Lbs.Ft.							
15	466 CID (7.6L) Series 40 Navistar Turbocharged Diesel 6 Cyl (1995-2001)				4.300in./109.2mm x 5.350in./135.9mm			15
	530 CID (8.7L) Series 40 International Turbocharged Diesel 6 Cyl (1995-2001)				4.587in./116.5mm x 5.350in./135.9mm			
	530 CID (8.7L) Series 40G International Turbocharged CNG 6 Cyl (1995-2001)				4.587in./116.5mm x 5.350in./135.9mm			
Rod Bearing(6)	TM-77	CB-1659P	STD,10,20	3.1493/3.1506	0.0018/0.0051	0.0996	3.3516/3.3526	1.4400
Main Bearing Set 1-2-3-4-5-6 7	TM-77	MS-2096P MB-3555P MB-3556P(F)	STD,10,20	3.5344/3.5356 3.5344/3.5356	0.0018/0.0051 0.0018/0.0051	0.1556 0.1556	3.8486/3.8496 3.8486/3.8496	1.3510 1.7000
16	552 CID (9.0L) 6V-92 Supercharged Diesel V6 Cyl				4.840in./122.9mm x 5.000in./127mm			16
	552 CID (9.0L) 6V-92TAC Supercharged Diesel V6 Cyl (1980-1988)				4.840in./122.9mm x 5.000in./127mm			
	552 CID (9.0L) 6V-92TA Turbocharged/Aftercooled Diesel V6 Cyl (1979-1988)				4.840in./122.9mm x 5.000in./127mm			
	552 CID (9.0L) 6V-92T,6V-92TTA,6V-92TT Turbocharged Diesel V6 Cyl				4.840in./122.9mm x 5.000in./127mm			
	552 CID (9.0L) 6V-92TTAC Supercharged Diesel V6 Cyl (1980-1986)				4.840in./122.9mm x 5.000in./127mm			
Rod Bearing(6)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing Set 1-2-3-4 4	TM-112	MS-1385P MB-2687P MB-2523W	STD,10,20,30	4.4990/4.5000 4.7500/4.7600	0.0019/0.0049	0.1552	4.8120/4.8130 5.7300/5.7400	1.2450 0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 4 Position								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1385P								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(4)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(6)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston								



DETROIT DIESEL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
16 (Cont.)	552 CID (9.0L) 6V-92 Supercharged Diesel V6 Cyl			4.840in./122.9mm x 5.000in./127mm				16 (Cont.)
	552 CID (9.0L) 6V-92TAC Supercharged Diesel V6 Cyl (1980-1988)			4.840in./122.9mm x 5.000in./127mm				
	552 CID (9.0L) 6V-92TA Turbocharged/Aftercooled Diesel V6 Cyl (1979-1988)			4.840in./122.9mm x 5.000in./127mm				
	552 CID (9.0L) 6V-92T,6V-92TTA,6V-92TT Turbocharged Diesel V6 Cyl			4.840in./122.9mm x 5.000in./127mm				
	552 CID (9.0L) 6V-92TTAC Supercharged Diesel V6 Cyl (1980-1986)			4.840in./122.9mm x 5.000in./127mm				
Connecting Rod		60 To 70 Lbs.Ft.						
Main Bearing		165 To 175 Lbs.Ft.						
17	677 CID (11.1L) Series 60 Turbocharged Diesel 6 Cyl			5.118in./130mm x 5.472in./139mm				17
	677 CID (11.1L) Series 60G CNG 6 Cyl			5.118in./130mm x 5.472in./139mm				
	778 CID (12.7L) Series 60 Turbocharged Diesel 6 Cyl			5.118in./130mm x 6.299in./160mm				
Rod Bearing(6)	TM-77	CB-1662P	STD,10,20	3.3450/3.3460	0.0016/0.0046	0.1230	3.5940/3.5950	1.7100
NOTE: Narrow Version								
Rod Bearing(6)	TM-112	CB-1792P	STD,.25mm,.50mm	3.3450/3.3460	0.0016/0.0046	0.1230	3.5940/3.5950	1.8650
NOTE: Grooved Upper Half,Wide Version								
Rod Bearing(6)	TM-112	CB-1836P	STD,.25mm,.50mm	3.3450/3.3460	0.0016/0.0046	0.1230	3.5940/3.5950	1.8650
NOTE: No Groove In Upper Half,Wide Version								
Main Bearing Set	TM-77	MS-2093P	STD,10,20					
1-2-3-4-5-7		MB-3561P		4.9200/4.9210	0.0016/0.0050	0.1567	5.2360/5.2370	1.5530
6		MB-3562P		4.9200/4.9210	0.0016/0.0050	0.1567	5.2360/5.2370	1.8040
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-600S								
Thrust Washer Set		TW-600S	STD					
		MB-3562W		5.2400/5.2600			6.2100/6.2300	0.1400
NOTE: Contains 2 Pieces, Position Number 6, Use With Part Number MS-2093P								
Cam Bearing(7)	TM-77	SH-1986				0.0770	2.7163/2.7178	1.4960
Connecting Rod		118 To 137 Lbs.Ft.						
Main Bearing		347 To 391 Lbs.Ft.						
8 CYL								
18	424 CID (6.9L) 8V-53,8V-53N Supercharged Diesel V8 Cyl			3.875in./98.4mm x 4.500in./114.3mm				18
Rod Bearing(8)	TM-112	CB-674P	STD,10,20,30	2.7490/2.7500	0.0016/0.0046	0.1252	3.0015/3.0025	1.1100
Main Bearing(5)	TM-112	MB-1931P	STD,10,20	3.4990/3.5000	0.0023/0.0053	0.1245	3.7510/3.7520	1.0050
NOTE: Thru Engine Serial Number 6D-17960, 1 Oil Hole In Upper Half Bearing,Requires Thrust Washer Set, Not Included, Use With Part Number TW-411S								
Main Bearing(5)	TM-112	MB-2474P	STD,10,20,30	3.4990/3.5000	0.0023/0.0053	0.1245	3.7510/3.7520	1.0050
NOTE: From Engine Serial Number 6D-17961, 7 Oil Holes In Upper Half Bearing,Requires Thrust Washer Set, Not Included, Use With Part Number TW-411S								
Thrust Washer Set		TW-411S	STD					
		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MB-1931P,MB-2474P								
Cam Bearing Set	C-1	SH-686S	STD					
1-5		SH-686		2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100
2-4		SH-687		2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100
3		SH-688		2.1820/2.1825	0.0039/0.0065	0.0843	2.3550/2.3560	1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings								
Piston Pin	C-1	223-3622	STD			0.1225	1.6005/1.6010	0.7550
Bushing(8)								
NOTE: Requires Boring								
Rod Forging	5133009							
C/S Forging	5136449							
Connecting Rod		24 To 28 Lbs.Ft. (5/16" Bolts)						
Connecting Rod		40 To 45 Lbs.Ft. (3/8" Bolts)						
Main Bearing		120 To 130 Lbs.Ft.						
19	424 CID (6.9L) 8V-53T Turbocharged Diesel V8 Cyl			3.875in./98.4mm x 4.500in./114.3mm				19
Rod Bearing(8)	TM-112	CB-674P	STD,10,20,30	2.7490/2.7500	0.0016/0.0046	0.1252	3.0015/3.0025	1.1100
Main Bearing(5)	TM-112	MB-1931P	STD,10,20	3.4990/3.5000	0.0023/0.0053	0.1245	3.7510/3.7520	1.0050
NOTE: Thru Engine Serial Number 6D-17960, 1 Oil Hole In Upper Half Bearing,Requires Thrust Washer Set, Not Included, Use With Part Number TW-411S								
Main Bearing(5)	TM-112	MB-2474P	STD,10,20,30	3.4990/3.5000	0.0023/0.0053	0.1245	3.7510/3.7520	1.0050
NOTE: From Engine Serial Number 6D-17961, 7 Oil Holes In Upper Half Bearing,Requires Thrust Washer Set, Not Included, Use With Part Number TW-411S								



DETROIT DIESEL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
19 (Cont.)	424 CID (6.9L) 8V-53T Turbocharged Diesel V8 Cyl				3.875in./98.4mm x 4.500in./114.3mm			19 (Cont.)
Thrust Washer Set		TW-411S MB-2524W	STD	3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MB-1931P,MB-2474P								
Cam Bearing Set	C-1	SH-686S	STD	2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100
1-5		SH-686		2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100
2-4		SH-687		2.1820/2.1825	0.0039/0.0065	0.0843	2.3550/2.3560	1.5100
3		SH-688						
NOTE: Contains Camshaft And Balance Shaft Bearings								
Piston Pin Bushing(8)	C-1	223-3634	STD			0.1060	1.6850/1.6900	0.7100
NOTE: Requires Boring								
Rod Forging	5133009							
C/S Forging	5136449							
Connecting Rod	24 To 28 Lbs.Ft. (5/16" Bolts)							
Connecting Rod	40 To 45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	120 To 130 Lbs.Ft.							
20	500 CID (8.2L) Turbocharged Diesel V8 Cyl				4.250in./108mm x 4.406in./112mm			20
Rod Bearing(8)	TM-77	CB-1288P	STD,10,20,30,40	2.7549/2.7559	0.0020/0.0050	0.0955	2.9489/2.9494	0.9220
Main Bearing Set	TM-77	MS-1566P	STD,10,20	3.9360/3.9370	0.0023/0.0053	0.1255	4.1900/4.1910	0.9300
1-2-3-5		MB-2881P		3.9360/3.9370	0.0023/0.0053	0.1255	4.1900/4.1910	1.2510
4		MB-2882P(F)						
Cam Bearing Set	C-1	SH-1208S	STD	2.5638/2.5646	0.0016/0.0046	0.0775	2.7213/2.7220	0.7200
1-2-3-4-5		SH-1208						
Piston Pin Bushing(8)	C-1	223-3579	STD			0.1520	1.6244/1.6256	0.8550
NOTE: Requires Boring, 1.234" Length,1.474" Inside Diameter,1.626" Outside Diameter								
21	568 CID (9.3L) 8V-71 Diesel V8 Cyl				4.250in./108mm x 5.000in./127mm			21
568 CID (9.3L) 8V-71NE Supercharged Diesel V8 Cyl					4.250in./108mm x 5.000in./127mm			
Rod Bearing(8)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing Set	TM-112	MS-1386P	STD,10,20,30	4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130	1.2450
1-2-3-4-5		MB-2687P		4.7500/4.7600			5.7300/5.7400	0.1220
5		MB-2523W						
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 5								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(6)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(6)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(16)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Rod Forging	5135051, 5144384							
C/S Forging	511706, 5103281, 5144867							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	155 To 185 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
22	568 CID (9.3L) 8V-71,8V-71E,8V-71N Supercharged Diesel V8 Cyl				4.250in./108mm x 5.000in./127mm			22
Rod Bearing(8)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100



DETROIT DIESEL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
22 (Cont.)	568 CID (9.3L) 8V-71,8V-71E,8V-71N Supercharged Diesel V8 Cyl				4.250in./108mm x 5.000in./127mm			22 (Cont.)
Main Bearing Set 1-2-3-4-5 5	TM-112	MS-1386P MB-2687P MB-2523W	STD,10,20,30	4.4990/4.5000 4.7500/4.7600	0.0019/0.0049	0.1552	4.8120/4.8130 5.7300/5.7400	1.2450 0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 5								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(6)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(6)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(16)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(8)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston								
Rod Forging	5135051, 5144384							
C/S Forging	511706, 5103281, 5144867							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	155 To 185 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
23	568 CID (9.3L) 8V-71T Turbocharged Diesel V8 Cyl				4.250in./108mm x 5.000in./127mm			23
Rod Bearing(8)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing Set 1-2-3-4-5 5	TM-112	MS-1386P MB-2687P MB-2523W	STD,10,20,30	4.4990/4.5000 4.7500/4.7600	0.0019/0.0049	0.1552	4.8120/4.8130 5.7300/5.7400	1.2450 0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 5								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(6)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(16)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(8)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston								
Connecting Rod	60 To 70 Lbs.Ft.							
Main Bearing	165 To 175 Lbs.Ft.							



DETROIT DIESEL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
24	568 CID (9.3L) 8V-71TA Turbocharged/Aftercooled Diesel V8 Cyl				4.250in./108mm x 5.000in./127mm			24
	568 CID (9.3L) 8V-71TT Turbocharged Diesel V8 Cyl				4.250in./108mm x 5.000in./127mm			
Rod Bearing(8)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing Set 1-2-3-4-5	TM-112	MS-1386P MB-2687P MB-2523W	STD,10,20,30	4.4990/4.5000 4.7500/4.7600	0.0019/0.0049	0.1552	4.8120/4.8130 5.7300/5.7400	1.2450 0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 5								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(6)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(16)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
25	736 CID (12.1L) 8V-92 Supercharged Diesel V8 Cyl				4.840in./122.9mm x 5.000in./127mm			25
	736 CID (12.1L) 8V-92TAC,8V-92TA,8V-92T,8V-92TTAC,8V-92TTA,8V-92TT Turbocharged Diesel V8 Cyl				4.840in./122.9mm x 5.000in./127mm			
Rod Bearing(8)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing Set 1-2-3-4-5	TM-112	MS-1386P MB-2687P MB-2523W	STD,10,20,30	4.4990/4.5000 4.7500/4.7600	0.0019/0.0049	0.1552	4.8120/4.8130 5.7300/5.7400	1.2450 0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1386P								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(6)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(8)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston								
Connecting Rod	60 To 70 Lbs.Ft.							
Main Bearing	165 To 175 Lbs.Ft.							
12 CYL								
26	852 CID (14.0L) 12V-71,12V-71N Supercharged Diesel V12 Cyl				4.250in./108mm x 5.000in./127mm			26
Rod Bearing(12)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing(7)	TM-112	MB-2687P MB-1928P	STD,10,20,30	4.4990/4.5000 4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130 4.8120/4.8130	1.2450 1.2450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-402S								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 7								



DETROIT DIESEL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
12 CYL (Cont.)								
26 (Cont.)	852 CID (14.0L) 12V-71,12V-71N Supercharged Diesel V12 Cyl				4.250in./108mm x 5.000in./127mm			26 (Cont.)
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(10)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(10)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set(2)		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(24)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(12)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston								
C/S Forging 5117212, 5146573								
Connecting Rod 65 To 70 Lbs.Ft. Main Bearing 155 To 185 Lbs.Ft. (Nuts) Main Bearing 180 To 190 Lbs.Ft. (Bolts)								
27	852 CID (14.0L) 12V-71NE Supercharged Diesel V12 Cyl				4.250in./108mm x 5.000in./127mm			27
Rod Bearing(12)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing(7)	TM-112	MB-2687P MB-1928P	STD,10,20,30	4.4990/4.5000 4.4990/4.5000	0.0019/0.0049 0.0019/0.0049	0.1552 0.1552	4.8120/4.8130 4.8120/4.8130	1.2450 1.2450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-402S								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 7								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(10)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(10)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set(2)		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(24)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
28	852 CID (14.0L) 12V-71T Turbocharged Diesel V12 Cyl				4.250in./108mm x 5.000in./127mm			28
Rod Bearing(12)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing(7)	TM-112	MB-2687P MB-1928P	STD,10,20,30	4.4990/4.5000 4.4990/4.5000	0.0019/0.0049 0.0019/0.0049	0.1552 0.1552	4.8120/4.8130 4.8120/4.8130	1.2450 1.2450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-402S								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 7								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								



DETROIT DIESEL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
12 CYL (Cont.)								
28 (Cont.)	852 CID (14.0L) 12V-71T Turbocharged Diesel V12 Cyl			4.250in./108mm x 5.000in./127mm				28 (Cont.)
Cam Bearing(10)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
Cam Thrust Washer Set(2)		SH-477WS	STD	1.6910			2.1563	0.1220
		SH-477W						
NOTE: Contains 4 Pieces								
Piston Pin Bushing(24)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(12)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston								
Connecting Rod Main Bearing	60 To 70 Lbs.Ft. 165 To 175 Lbs.Ft.							
29	1104 CID (18.1L) 12V-92 Supercharged Diesel V12 Cyl 1104 CID (18.1L) 12V-92T,12V-92TTA,12V-92TT Turbocharged Diesel V12 Cyl			4.840in./122.9mm x 5.000in./127mm 4.840in./122.9mm x 5.000in./127mm				29
Rod Bearing(12)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing(7)	TM-112	MB-2687P MB-1928P	STD,10,20,30	4.4990/4.5000 4.4990/4.5000	0.0019/0.0049 0.0019/0.0049	0.1552 0.1552	4.8120/4.8130 4.8120/4.8130	1.2450 1.2450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-402S								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(10)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
Cam Thrust Washer Set(2)		SH-477WS	STD	1.6910			2.1563	0.1220
		SH-477W						
NOTE: Contains 4 Pieces								
Piston Pin Bushing(12)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston								
Connecting Rod Main Bearing	60 To 70 Lbs.Ft. 165 To 175 Lbs.Ft.							
30	1788 CID (29.3L) 12V-149 Turbocharged Diesel V12 Cyl			5.750in./146.1mm x 5.750in./146.1mm				30
Rod Bearing(12)	TM-112	CB-1180P	STD,10	3.8730/3.8740	0.0020/0.0050	0.1555	4.1865/4.1875	1.4850
Connecting Rod Main Bearing	140 To 150 Lbs.Ft. 280 To 290 Lbs.Ft.							
16 CYL								
31	1136 CID (18.6L) 16V-71,16V-71N Supercharged Diesel V16 Cyl			4.250in./108mm x 5.000in./127mm				31
Rod Bearing(16)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing(10)	TM-112	MB-2687P MB-1928P	STD,10,20,30	4.4990/4.5000 4.4990/4.5000	0.0019/0.0049 0.0019/0.0049	0.1552 0.1552	4.8120/4.8130 4.8120/4.8130	1.2450 1.2450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-402S								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 10								
Cam Bearing Set(3)	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(12)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(12)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								



DETROIT DIESEL (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
16 CYL (Cont.)									
31 (Cont.)	1136 CID (18.6L) 16V-71,16V-71N Supercharged Diesel V16 Cyl				4.250in./108mm x 5.000in./127mm				31 (Cont.)
Cam Thrust Washer Set(3)		SH-477WS	STD	1.6910			2.1563	0.1220	
		SH-477W							
NOTE: Contains 4 Pieces									
Piston Pin Bushing(32)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175	
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring									
Piston Pin Bushing(16)		223-3548	STD			0.0880		3.2350	
NOTE: Crosshead Piston									
Connecting Rod	65 To 70 Lbs.Ft.								
Main Bearing	155 To 185 Lbs.Ft. (Nuts)								
Main Bearing	180 To 190 Lbs.Ft. (Bolts)								
32	1136 CID (18.6L) 16V-71T Supercharged Diesel V16 Cyl				4.250in./108mm x 5.000in./127mm				32
Rod Bearing(16)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100	
Main Bearing(10)	TM-112	MB-2687P	STD,10,20,30	4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130	1.2450	
		MB-1928P		4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130	1.2450	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-402S									
Thrust Washer Set		TW-402S	STD	4.7500/4.7600			5.7300/5.7400	0.1220	
		MB-2523W							
NOTE: Contains 4 Pieces, Position Number 10									
Cam Bearing Set(3)	C-1	SH-476RS	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720	
		SH-476R							
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing									
Cam Bearing(12)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230	
Cam Thrust Washer Set(3)		SH-477WS	STD	1.6910			2.1563	0.1220	
		SH-477W							
NOTE: Contains 4 Pieces									
Piston Pin Bushing(32)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175	
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring									
Piston Pin Bushing(16)		223-3548	STD			0.0880		3.2350	
NOTE: Crosshead Piston									
Connecting Rod	60 To 70 Lbs.Ft.								
Main Bearing	165 To 175 Lbs.Ft.								
33	1472 CID (24.1L) 16V-92 Supercharged Diesel V16 Cyl				4.840in./122.9mm x 5.000in./127mm				33
	1472 CID (24.1L) 16V-92T,16V-92TTA,16V-92TT Turbocharged Diesel V16 Cyl				4.840in./122.9mm x 5.000in./127mm				
Rod Bearing(16)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100	
Main Bearing(10)	TM-112	MB-2687P	STD,10,20,30	4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130	1.2450	
		MB-1928P		4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130	1.2450	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-402S									
Thrust Washer Set		TW-402S	STD	4.7500/4.7600			5.7300/5.7400	0.1220	
		MB-2523W							
NOTE: Contains 4 Pieces, Position Number 10									
Cam Bearing Set(3)	C-1	SH-476RS	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720	
		SH-476R							
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing									
Cam Bearing(12)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230	
Cam Thrust Washer Set(3)		SH-477WS	STD	1.6910			2.1563	0.1220	
		SH-477W							
NOTE: Contains 4 Pieces									



DETROIT DIESEL (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
16 CYL (Cont.)									
33 (Cont.)	1472 CID (24.1L) 16V-92 Supercharged Diesel V16 Cyl					4.840in./122.9mm x 5.000in./127mm			33 (Cont.)
	1472 CID (24.1L) 16V-92T,16V-92TTA,16V-92TT Turbocharged Diesel V16 Cyl					4.840in./122.9mm x 5.000in./127mm			
Piston Pin Bushing(16)		223-3548	STD		0.0880			3.2350	
NOTE: Crosshead Piston									
Connecting Rod		60 To 70 Lbs.Ft.							
Main Bearing		165 To 175 Lbs.Ft.							
34	2384 CID (39.1L) 16V-149 Supercharged Diesel V16 Cyl					5.750in./146.1mm x 5.750in./146.1mm			34
Rod Bearing(16)	TM-112	CB-1180P	STD,10		3.8730/3.8740	0.0020/0.0050	0.1555	4.1865/4.1875	1.4850
C/S Forging		5145942							
Connecting Rod		140 To 150 Lbs.Ft.							
Main Bearing		280 To 290 Lbs.Ft.							
DEUTZ									
ENGINE DATA									
Engine	Bore & Stroke		Block		Engine	Bore & Stroke		Block	
2 CYL					4 CYL (Cont.)				
F2L912 1884CC (1.9L) Diesel	3.937in./100mmX4.724in./120mm		1		F4L912D 3768CC (3.8L) Diesel	3.937in./100mmX4.724in./120mm		3	
F2L912D 1884CC (1.9L) Diesel	3.937in./100mmX4.724in./120mm		1						
3 CYL					5 CYL				
F3L912 2826CC (2.8L) Diesel	3.937in./100mmX4.724in./120mm		2		F5L912 4710CC (4.7L) Diesel	3.937in./100mmX4.724in./120mm		4	
F3L912D 2826CC (2.8L) Diesel	3.937in./100mmX4.724in./120mm		2		F5L912D 4710CC (4.7L) Diesel	3.937in./100mmX4.724in./120mm		4	
4 CYL					6 CYL				
F4L912 3768CC (3.8L) Diesel	3.937in./100mmX4.724in./120mm		3		F6L912 5652CC (5.7L) Diesel	3.937in./100mmX4.724in./120mm		5	
					F6L912D 5652CC (5.7L) Diesel	3.937in./100mmX4.724in./120mm		5	
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
2 CYL									
1	1884CC (1.9L) F2L912D,F2L912 Diesel 2 Cyl					3.937in./100mm x 4.724in./120mm			1
Rod Bearing(2)	TM-112	CB-1053P	STD,.25mm		2.3599/2.3606	0.0019/0.0039	0.0783	2.5197/2.5204	0.9840
Connecting Rod 22 Lbs.Ft.; Plus 60 Degrees; Plus 30 Degrees									
3 CYL									
2	2826CC (2.8L) F3L912D,F3L912 Diesel 3 Cyl					3.937in./100mm x 4.724in./120mm			2
Rod Bearing(3)	TM-112	CB-1053P	STD,.25mm		2.3599/2.3606	0.0019/0.0039	0.0783	2.5197/2.5204	0.9840
Main Bearing(4)	TM-112	MB-198P	STD		2.7547/2.7555	0.0023/0.0045	0.0876	2.9330/2.9338	1.0620
NOTE: Only Sold Separately									
Thrust Washer Set		TW-249S	STD						
		MB-198W(U)			3.1102/3.1220			3.7250/3.7387	0.1170
		MB-744W(L)			3.1102/3.1220			4.0006/4.0143	0.1170
NOTE: Dowel Pin Type Thrust Washer, Contains 4 Pieces, Use With Part Number MB-198P									
4 CYL									
3	3768CC (3.8L) F4L912D,F4L912 Diesel 4 Cyl					3.937in./100mm x 4.724in./120mm			3
Rod Bearing(4)	TM-112	CB-1053P	STD,.25mm		2.3599/2.3606	0.0019/0.0039	0.0783	2.5197/2.5204	0.9840
Main Bearing(5)	TM-112	MB-198P	STD		2.7547/2.7555	0.0023/0.0045	0.0876	2.9330/2.9338	1.0620
NOTE: Only Sold Separately									
Thrust Washer Set		TW-249S	STD						
		MB-198W(U)			3.1102/3.1220			3.7250/3.7387	0.1170
		MB-744W(L)			3.1102/3.1220			4.0006/4.0143	0.1170
NOTE: Dowel Pin Type Thrust Washer, Contains 4 Pieces, Use With Part Number MB-198P									



DEUTZ (Cont.)

DEUTZ (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
									5 CYL
4	4710CC (4.7L) F5L912D,F5L912 Diesel 5 Cyl			3.937in./100mm x 4.724in./120mm					4
Rod Bearing(5)	TM-112	CB-1053P	STD,.25mm	2.3599/2.3606	0.0019/0.0039	0.0783	2.5197/2.5204	0.9840	
Main Bearing(6)	TM-112	MB-198P	STD	2.7547/2.7555	0.0023/0.0045	0.0876	2.9330/2.9338	1.0620	
NOTE: Only Sold Separately									
Thrust Washer Set		TW-249S	STD						
		MB-198W(U)		3.1102/3.1220		3.7250/3.7387		0.1170	
		MB-744W(L)		3.1102/3.1220		4.0006/4.0143		0.1170	
NOTE: Dowel Pin Type Thrust Washer, Contains 4 Pieces, Use With Part Number MB-198P									
									6 CYL
5	5652CC (5.7L) F6L912D,F6L912 Diesel 6 Cyl			3.937in./100mm x 4.724in./120mm					5
Rod Bearing(6)	TM-112	CB-1053P	STD,.25mm	2.3599/2.3606	0.0019/0.0039	0.0783	2.5197/2.5204	0.9840	
Main Bearing(7)	TM-112	MB-198P	STD	2.7547/2.7555	0.0023/0.0045	0.0876	2.9330/2.9338	1.0620	
NOTE: Only Sold Separately									
Thrust Washer Set(6)		TW-249S	STD						
		MB-198W(U)		3.1102/3.1220		3.7250/3.7387		0.1170	
		MB-744W(L)		3.1102/3.1220		4.0006/4.0143		0.1170	
NOTE: Dowel Pin Type Thrust Washer, Contains 4 Pieces, Use With Part Number MB-198P									
DIAMOND REO									
ENGINE DATA									
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block		
6-162 Reo 331 CID (5.4L)	4.125in./104.8mmX4.125in./104.8mm		1	6-200 Reo 400 CID (6.6L)	4.250in./108mmX4.703in./119.5mm		1		
6-170 Reo 331 CID (5.4L)	4.125in./104.8mmX4.125in./104.8mm		1	OH170 Reo 331 CID (5.4L)	4.125in./104.8mmX4.125in./104.8mm		1		
6-186 Reo 362 CID (5.9L)	4.250in./108mmXin./mm		1	OH186 Reo 362 CID (5.9L)	4.250in./108mmX4.250in./108mm		1		
6-190 Reo 400 CID (6.6L)	4.250in./108mmX4.703in./119.5mm		1	OH200 Reo 400 CID (6.6L)	4.250in./108mmX4.703in./119.5mm		1		
MODEL DATA									
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block		
Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1	C10144 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) 6-200 Reo	1		
Base Model	Truck Domestic Heavy Duty	362 CID (5.9L) OH186 Reo	1	C10164 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) 6-170 Reo	1		
Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) OH200 Reo	1	C10164 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) 6-200 Reo	1		
AC403 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1	C10166 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) 6-170 Reo	1		
AC503 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1	C10166 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) 6-200 Reo	1		
C330 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1	CF5542 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) 6-200 Reo	1		
C400 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1	CF5942 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) 6-170 Reo	1		
C478 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) OH200 Reo	1	CF5942 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) 6-200 Reo	1		
C500 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1	CF5964 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) 6-170 Reo	1		
C9042 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) 6-170 Reo	1	CF5964 Base Model	Truck Domestic Heavy Duty	362 CID (5.9L) 6-186 Reo	1		
C9042 Base Model	Truck Domestic Heavy Duty	362 CID (5.9L) 6-186 Reo	1	CF5964 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) 6-200 Reo	1		
C9042 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) 6-200 Reo	1	CF6542 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) 6-200 Reo	1		
C10142 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) 6-170 Reo	1	CF6564 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) 6-200 Reo	1		
C10142 Base Model	Truck Domestic Heavy Duty	362 CID (5.9L) 6-186 Reo	1	CF8342 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) 6-170 Reo	1		
C10142 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) 6-200 Reo	1	CF8342 Base Model	Truck Domestic Heavy Duty	362 CID (5.9L) 6-186 Reo	1		
C10144 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) 6-170 Reo	1	CF8342 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) 6-200 Reo	1		
C10144 Base Model	Truck Domestic Heavy Duty	362 CID (5.9L) 6-186 Reo	1	CF8364 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) 6-170 Reo	1		



DIAMOND REO (Cont.)							
MODEL DATA (Cont.)							
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
CF8364 Base Model	Truck Domestic Heavy Duty	362 CID (5.9L) 6-186 Reo	1	DF500 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) OH200 Reo	1
CF8364 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) 6-200 Reo	1	DO430 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1
D403 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1	DO530 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1
D403 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) OH200 Reo	1	E300 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1
D433 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) OH200 Reo	1	E330 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1
D503 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1	E330 Base Model	Truck Domestic Heavy Duty	362 CID (5.9L) OH186 Reo	1
DC403 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1	E330 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) OH200 Reo	1
DC503 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1	E400 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1
DC10142 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) 6-170 Reo	1	E400 Base Model	Truck Domestic Heavy Duty	362 CID (5.9L) OH186 Reo	1
DC10142 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) 6-200 Reo	1	E400 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) OH200 Reo	1
DF300 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1	E500 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1
DF300 Base Model	Truck Domestic Heavy Duty	362 CID (5.9L) OH186 Reo	1	E500 Base Model	Truck Domestic Heavy Duty	362 CID (5.9L) OH186 Reo	1
DF300 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) OH200 Reo	1	E500 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) OH200 Reo	1
DF400 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1	F50 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1
DF400 Base Model	Truck Domestic Heavy Duty	362 CID (5.9L) OH186 Reo	1	F200 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1
DF400 Base Model	Truck Domestic Heavy Duty	400 CID (6.6L) OH200 Reo	1	F236 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1
DF500 Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1	F500R Base Model	Truck Domestic Heavy Duty	331 CID (5.4L) OH170 Reo	1
DF500 Base Model	Truck Domestic Heavy Duty	362 CID (5.9L) OH186 Reo	1				
CONNECTING ROD FORGING NUMBERS							
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke
1609-A3	4.125in./104.8mm	1	1609-A3	4.703in./119.5mm	1	1609-A3	4.250in./108mm
CRANKSHAFT FORGING NUMBERS							
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke
1792-A3	4.125in./104.8mm	1	1792-A3	4.703in./119.5mm	1	1792-A3	4.250in./108mm
COUNTER DATA				SHOP DATA			
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore
6 CYL							
1	331 CID (5.4L) 6-162,6-170,OH170 Reo 6 Cyl			4.125in./104.8mm x 4.125in./104.8mm			1
	362 CID (5.9L) 6-186 Reo 6 Cyl			4.250in./108mm x			
	362 CID (5.9L) OH186 Reo 6 Cyl			4.250in./108mm x 4.250in./108mm			
	400 CID (6.6L) 6-190,6-200,OH200 Reo 6 Cyl			4.250in./108mm x 4.703in./119.5mm			
Rod Bearing(6)	TM-112	CB-659P	STD,10	2.3093/2.3100	0.0019/0.0041	0.0628	2.4370/2.4375
NOTE: From Engine Serial Number 269632							
Rod Forging	1609-A3						
C/S Forging	1792-A3						
Connecting Rod	65 To 70 Lbs.Ft.						
Main Bearing	85 To 90 Lbs.Ft.						



FMC CORPORATION											
ENGINE DATA											
Engine	Bore & Stroke			Block	Engine	Bore & Stroke			Block		
	4 CYL					6 CYL					
4239T John Deere 239 CID (3.9L) Diesel Turbocharged	4.188in./106.4mmX4.328in./109.9mm			1	6466A John Deere 466 CID (7.6L) Diesel Turbocharged/Intercooled	4.563in./115.9mmX4.750in./120.7mm			2		
COUNTER DATA					SHOP DATA						
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length		
4 CYL											
1	239 CID (3.9L) 4239T John Deere Turbocharged Diesel 4 Cyl				4.188in./106.4mm x 4.328in./109.9mm				1		
Rod Bearing(4)	TM-112	CB-759AL	STD,10,20,30		2.7480/2.7490	0.0015/0.0045	0.0750	2.9000/2.9010	1.1860		
Main Bearing Set 1-2-3-4	TM-112	MS-875AL	STD,10,20,30		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.1600		
5		MB-2454AL MB-2455AL(F)			3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.5300		
Connecting Rod	40 To 45 Lbs.Ft.										
Main Bearing	85 Lbs.Ft.										
6 CYL											
2	466 CID (7.6L) 6466A John Deere Turbocharged/Intercooled Diesel 6 Cyl				4.563in./115.9mm x 4.750in./120.7mm				2		
Rod Bearing(6)	TM-112	CB-1267P	STD,10,20,30		2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900		
NOTE: Turbocharged/Intercooled											
Main Bearing Set 1-2-3-4-6-7	TM-112	MS-1529P	STD,10,20,30		3.3715/3.3725	0.0020/0.0050	0.1264	3.6270/3.6280	1.3900		
5		MB-2858P MB-2859P			3.3720/3.3730	0.0015/0.0045	0.1264	3.6270/3.6280	1.6780		
NOTE: Contains 3 Piece Thrust Washer Set, Use In Number 5 Position											
FIAT											
ENGINE DATA											
Engine	Years	Bore & Stroke			Block	Engine	Years	Bore & Stroke			Block
		4 CYL						4 CYL (Cont.)			
1116CC (1.1L) 128A OHC	1971-1973	3.150in./80mmX2.795in./71mm			1	1585CC (1.6L)	1975-1976	3.307in./84mmX2.835in./72mm			2
1197CC (1.2L) 124A OHV	1966-1969	2.874in./73mmX2.835in./72mm			1	1592CC (1.6L) 125B	1973-1974	3.150in./80mmX3.110in./79mm			3
1290CC (1.3L) OHC	1972-1979	3.386in./86mmX2.205in./56mm			1	1592CC (1.6L) 125BC	1973-1974	3.150in./80mmX3.110in./79mm			3
1297CC (1.3L) 131A	1975-1976	3.386in./86mmX2.205in./56mm			1	1592CC (1.6L) 132AB	1973-1974	3.150in./80mmX3.110in./79mm			3
1438CC (1.4L) 124AC DOHC	1968-1971	3.150in./80mmX2.835in./72mm			1	1756CC (1.8L) 132 AB 1 A.O.	1974-1978	3.307in./84mmX3.110in./79mm			4
1438CC (1.4L) 124B2 OHV	1970-1973	3.150in./80mmX2.835in./72mm			1	1756CC (1.8L) DOHC	1978	3.307in./84mmX3.110in./79mm			5
1498CC (1.5L) SOHC	1979-1982	3.402in./86.4mmX2.520in./64mm			1	1995CC (2.0L) DOHC	1979-1982	3.307in./84mmX3.543in./90mm			5
MODEL DATA											
Model	Engine	Years	Block	Model	Engine	Years	Block				
124	1197CC (1.2L) 124A OHV	1966-1969	1	131 Mirafiori	1585CC (1.6L)	1975-1976	2				
124	1438CC (1.4L) 124AC DOHC	1968-1971	1	132	1592CC (1.6L) 132AB	1973-1974	3				
124	1438CC (1.4L) 124B2 OHV	1970-1973	1	132	1756CC (1.8L) 132 AB 1 A.O.	1974-1978	4				
124	1592CC (1.6L) 125B	1973-1974	3	Brava	1756CC (1.8L) DOHC	1978	5				
124	1592CC (1.6L) 125BC	1973-1974	3	Brava	1995CC (2.0L) DOHC	1979-1982	5				
124	1756CC (1.8L) 132 AB 1 A.O.	1974-1978	4	Spider 2000	1995CC (2.0L) DOHC	1979-1982	5				
128	1116CC (1.1L) 128A OHC	1971-1973	1	Strada	1498CC (1.5L) SOHC	1979-1982	1				
128	1290CC (1.3L) OHC	1972-1979	1	X-1/9	1290CC (1.3L) OHC	1972-1979	1				
131	1297CC (1.3L) 131A	1975-1976	1	X-1/9	1498CC (1.5L) SOHC	1979-1982	1				
131	1756CC (1.8L) 132 AB 1 A.O.	1974-1978	4								



FIAT (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	1116CC (1.1L) 128A OHC 4 Cyl (1971-1973)				3.150in./80mm x 2.795in./71mm			1
	1197CC (1.2L) 124A OHV 4 Cyl (1966-1969)				2.874in./73mm x 2.835in./72mm			
	1290CC (1.3L) OHC 4 Cyl (1972-1979)				3.386in./86mm x 2.205in./56mm			
	1297CC (1.3L) 131A 4 Cyl (1975-1976)				3.386in./86mm x 2.205in./56mm			
	1438CC (1.4L) 124AC DOHC 4 Cyl (1968-1971)				3.150in./80mm x 2.835in./72mm			
	1438CC (1.4L) 124B2 OHV 4 Cyl (1970-1973)				3.150in./80mm x 2.835in./72mm			
	1498CC (1.5L) SOHC 4 Cyl (1979-1982)				3.402in./86.4mm x 2.520in./64mm			
Rod Bearing(4)	AL-3	CB-1332AL	STD,10	1.7916/1.7924	0.0012/0.0033	0.0607	1.9145/1.9152	0.7560
Connecting Rod	36 Lbs.Ft. (1116CC (1.1L) 128A OHC,1197CC (1.2L) 124A OHV,1290CC (1.3L) OHC,1297CC (1.3L) 131A,1438CC (1.4L) 124AC DOHC,1438CC (1.4L) 124B2 OHV)							
Connecting Rod	38 Lbs.Ft. (1498CC (1.5L) SOHC)							
Main Bearing	58 Lbs.Ft. (1116CC (1.1L) 128A OHC,1197CC (1.2L) 124A OHV,1290CC (1.3L) OHC,1297CC (1.3L) 131A,1438CC (1.4L) 124AC DOHC,1438CC (1.4L) 124B2 OHV)							
Main Bearing	59 Lbs.Ft. (1498CC (1.5L) SOHC)							
2	1585CC (1.6L) 4 Cyl (1975-1976)				3.307in./84mm x 2.835in./72mm			2
Main Bearing Set	AL-3	MS-1145AL	STD					
1-2-4-5		MB-672AL		2.0860/2.0868	0.0028/0.0040	0.0724	2.2329/2.2335	0.8170
3		MB-673AL		2.0860/2.0868	0.0028/0.0040	0.0724	2.2329/2.2335	0.9550
NOTE: Requires Thrust Washer Set, Not Included								
3	1592CC (1.6L) 125BC,132AB,125B 4 Cyl (1973-1974)				3.150in./80mm x 3.110in./79mm			3
Rod Bearing(4)	AL-3	CB-1009AL	STD	1.9993/2.0000	0.0015/0.0035	0.0602	2.1219/2.1226	0.7680
Main Bearing Set	AL-3	MS-1145AL	STD					
1-2-4-5		MB-672AL		2.0860/2.0868	0.0028/0.0040	0.0724	2.2329/2.2335	0.8170
3		MB-673AL		2.0860/2.0868	0.0028/0.0040	0.0724	2.2329/2.2335	0.9550
NOTE: Requires Thrust Washer Set, Not Included								
Connecting Rod	47 Lbs.Ft.							
Main Bearing	58 Lbs.Ft.							
4	1756CC (1.8L) 132 AB 1 A.O. 4 Cyl (1974-1978)				3.307in./84mm x 3.110in./79mm			4
Rod Bearing(4)	AL-3	CB-1009AL	STD	1.9993/2.0000	0.0015/0.0035	0.0602	2.1219/2.1226	0.7680
NOTE: 1974								
Rod Bearing(4)	AL-3	CB-1138AL	STD,10,20	1.9993/2.0000	0.0015/0.0035	0.0602	2.1219/2.1226	0.7680
NOTE: 1975-1978								
Main Bearing Set	AL-3	MS-1145AL	STD					
1-2-4-5		MB-672AL		2.0860/2.0868	0.0028/0.0040	0.0724	2.2329/2.2335	0.8170
3		MB-673AL		2.0860/2.0868	0.0028/0.0040	0.0724	2.2329/2.2335	0.9550
NOTE: Requires Thrust Washer Set, Not Included								
Connecting Rod	37 Lbs.Ft.							
Main Bearing	58 Lbs.Ft.							
5	1756CC (1.8L) DOHC 4 Cyl (1978)				3.307in./84mm x 3.110in./79mm			5
1995CC (2.0L) DOHC 4 Cyl (1979-1982)				3.307in./84mm x 3.543in./90mm				
Rod Bearing(4)	AL-3	CB-1138AL	STD,10,20	1.9993/2.0000	0.0015/0.0035	0.0602	2.1219/2.1226	0.7680
Main Bearing Set	AL-3	MS-1145AL	STD					
1-2-4-5		MB-672AL		2.0860/2.0868	0.0028/0.0040	0.0724	2.2329/2.2335	0.8170
3		MB-673AL		2.0860/2.0868	0.0028/0.0040	0.0724	2.2329/2.2335	0.9550
NOTE: Requires Thrust Washer Set, Not Included								
Connecting Rod	37 Lbs.Ft. (1756CC (1.8L) DOHC)							
Connecting Rod	54 Lbs.Ft. (1995CC (2.0L) DOHC)							
Main Bearing	58 Lbs.Ft.							



FORD							
ENGINE DATA							
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
3 CYL				4 CYL (Cont.)			
159 CID (2.6L) 3-53N Detroit Diesel	1973-1976	3.875in./98.4mmX4.500in./114.3mm	1	134 CID (2.2L) SOHC Mazda Turbocharged	1989-1992	3.386in./86mmX3.701in./94mm	22
Supercharged Diesel				134 CID (2.2L) SOHC 8 Valve Mazda Diesel	1983-1984	3.500in./88.9mmX3.502in./89mm	23
4 CYL				140 CID (2.3L) High Swirl Combustion	1984-1994	3.680in./93.5mmX3.125in./79.4mm	24
997CC (1.0L) OHV	1959-1967	3.189in./81mmX1.890in./48mm	2	140 CID (2.3L) SOHC	1974-1997	3.780in./96mmX3.125in./79.4mm	25
67 CID (1.1L) I-67	1973-1982	3.188in./80.98mmX2.100in./53.3mm	3	140 CID (2.3L) SOHC Turbocharged	1979-1989	3.780in./96mmX3.125in./79.4mm	16
1098CC (1.1L) German	1968-1980	3.189in./81mmX2.126in./54mm	3	140 CID (2.3L) SOHC	1985-1987	3.587in./91.1mmX3.543in./90mm	26
1100CC (1.1L)	1971-1973	3.188in./80.98mmX2.100in./53.3mm	3	Mitsubishi Turbocharged Diesel			
1198CC (1.2L) British	1961-1968	3.189in./81mmX2.284in./58mm	2	140 CID (2.3L) SOHC	1984-1985	3.780in./96mmX3.125in./79.4mm	16
81 CID/1328CC (1.3L) SOHC Mazda	1988-1997	2.795in./71mmX3.189in./81mm	4	LPG			
1298CC (1.3L) German	1968-1980	3.189in./81mmX2.480in./63mm	3	140 CID (2.3L) Special Vehicle Operation Turbocharged	1984-1986	3.780in./96mmX3.125in./79.4mm	16
1340CC (1.3L) British	1961-1962	3.189in./81mmX2.559in./65mm	2	2261CC (2.3L) Duratec 23 DOHC	2005	3.440in./87.4mmX3.700in./94mm	27
1498CC (1.5L) OHV	1963-1967	3.189in./81mmX2.859in./72.62mm	3	2261CC (2.3L) PZEV DOHC 16 Valve	2003-2005	3.440in./87.4mmX3.700in./94mm	27
1498CC (1.5L) OHV	1968-1970	3.543in./90mmX2.284in./58mm	5	144 CID (2.4L) Diesel	1958-1965	3.563in./90.5mmX3.600in./91.4mm	28
98 CID (1.6L) DOHC Mazda	1991-1994	3.071in./78mmX3.307in./84mm	6	153 CID (2.5L) High Swirl Combustion	1986-1991	3.680in./93.5mmX3.578in./90.8mm	29
98 CID (1.6L) DOHC Mazda Turbocharged	1991-1994	3.071in./78mmX3.307in./84mm	6	153 CID (2.5L) SOHC	1998-2001	3.780in./96mmX3.397in./86.3mm	30
98 CID (1.6L) OHV	1971-1982	3.188in./80.98mmX3.063in./77.8mm	7	172 CID (2.8L)	1955-1978	3.900in./99mmX3.600in./91.4mm	21
98 CID (1.6L) SOHC	1981-1985	3.147in./79.94mmX3.125in./79.4mm	8	172 CID (2.8L) LPG	1955-1978	3.900in./99mmX3.600in./91.4mm	21
98 CID (1.6L) SOHC Mazda	1988-1989	3.071in./78mmX3.307in./84mm	6	172 CID (2.8L) 172D Diesel	1958-1978	3.900in./99mmX3.600in./91.4mm	28
98 CID (1.6L) SOHC Turbocharged	1981-1985	3.147in./79.94mmX3.125in./79.4mm	8	192 CID (3.1L)	1972-1981	4.130in./104.9mmX3.600in./91.4mm	21
98 CID (1.6L) SOHC Meth	1983-1987	3.147in./79.94mmX3.125in./79.4mm	9	192 CID (3.1L) Diesel	1972-1981	4.130in./104.9mmX3.600in./91.4mm	28
98 CID (1.6L) SOHC High Output	1982-1985	3.147in./79.94mmX3.125in./79.4mm	8	192 CID (3.1L) LPG	1972-1981	4.130in./104.9mmX3.600in./91.4mm	21
1593CC (1.6L) British	1970-1982	3.465in./88mmX2.598in./66mm	10	220 CID (3.6L) Diesel	1962-1966	3.937in./100mmX4.527in./115mm	31
1599CC (1.6L) British	1967-1973	3.189in./81mmX3.071in./78mm	3	220 CID (3.6L) Dagenham Diesel	1952-1966	3.937in./100mmX4.527in./115mm	31
1599CC (1.6L) OHV	1978-1980	3.188in./80.98mmX3.063in./77.8mm	11	6 CYL			
1699CC (1.7L) OHV	1963-1975	3.543in./90mmX2.638in./67mm	5	144 CID (2.4L)	1960-1964	3.500in./88.9mmX2.500in./63.5mm	32
110 CID (1.8L) SOHC Mazda	1972-1978	3.071in./78mmX3.701in./94mm	12	153 CID (2.5L) DOHC Mazda	1993-1997	3.327in./84.5mmX2.913in./74mm	33
112 CID (1.8L) DOHC Mazda	1991-1996	3.268in./83mmX3.346in./85mm	6	155 CID (2.5L) Duratec/DOHC/24 Valve	1995-2002	3.240in./82.3mmX3.130in./79.5mm	34
116 CID (1.9L) High Output	1994-1995	3.226in./81.94mmX3.460in./87.9mm	13	159 CID (2.6L)	1972-1973	3.543in./90mmX2.625in./66.7mm	35
116 CID (1.9L) SOHC	1985-1996	3.226in./81.94mmX3.460in./87.9mm	14	2551CC (2.6L) German	1970-1976	3.543in./90mmX2.638in./67mm	36
120 CID (2.0L) 40 Horsepower	1941-1942	3.187in./80.95mmX3.750in./95.3mm	15	170 CID (2.8L)	1961-1972	3.500in./88.9mmX2.938in./74.6mm	37
120 CID (2.0L) L-Head	1941-1942	3.187in./80.95mmX3.750in./95.3mm	15	171 CID (2.8L) German	1974-1986	3.661in./93mmX2.701in./68.6mm	38
121 CID (2.0L)	1983-1988	3.516in./89.3mmX3.125in./79.4mm	16	177 CID (2.9L) OHV	1986-1992	3.661in./93mmX2.831in./71.9mm	39
121 CID (2.0L) Duratec 20 DOHC	2004-2005	3.339in./84.8mmX3.461in./87.9mm	17	2900CC (2.9L) Merkur	1988-1990	3.661in./93mmX2.831in./71.9mm	40
121 CID (2.0L) Duratec 20E PZEV	2005	3.339in./84.8mmX3.461in./87.9mm	17	181 CID/2967CC (3.0L) DOHC 24 Valve Lincoln	2000-2005	3.504in./89mmX3.130in./79.5mm	34
122 CID (2.0L) DOHC Mazda	1993-1997	3.268in./83mmX3.622in./92mm	18	181 CID/2967CC (3.0L) Duratec/DOHC/24 Valve	1996-2005	3.504in./89mmX3.130in./79.5mm	34
122 CID (2.0L) SOHC	1997-2004	3.339in./84.8mmX3.461in./87.9mm	13	183 CID (3.0L) FFV/OHV Flex	1999-2003	3.504in./89mmX3.150in./80mm	41
122 CID (2.0L) SOHC	1971-1974	3.578in./90.8mmX3.031in./77mm	10	183 CID (3.0L) OHV	1986-2004	3.504in./89mmX3.150in./80mm	41
122 CID (2.0L) SOHC Mazda	1979-1982	3.150in./80mmX3.858in./98mm	12	183 CID (3.0L) OHV Flex	1993-2003	3.504in./89mmX3.150in./80mm	41
122 CID (2.0L) SOHC Mazda Diesel	1984-1987	3.386in./86mmX3.386in./86mm	19	183 CID (3.0L) SHO DOHC Yamaha	1989-1995	3.504in./89mmX3.150in./80mm	42
1989CC (2.0L) Zetec/DOHC/16 Valve	1995-2003	3.339in./84.8mmX3.461in./87.9mm	20	2960CC (3.0L) VG30E SOHC Nissan	1993-1998	3.425in./87mmX3.268in./83mm	43
1989CC (2.0L) Zetec/DOHC/16 Valve CNG	1996-2000	3.339in./84.8mmX3.461in./87.9mm	20	195 CID (3.2L) SHO DOHC Yamaha	1993-1995	3.600in./91.4mmX3.150in./80mm	42
1993CC (2.0L) OHC	1970-1976	3.578in./90.8mmX3.031in./77mm	10	200 CID (3.3L) OHV	1963-1983	3.680in./93.5mmX3.125in./79.4mm	44
134 CID (2.2L)	1953-1976	3.437in./87.3mmX3.600in./91.4mm	21	3275CC (3.3L) SOHC Nissan	1999-2002	3.602in./91.5mmX3.268in./83mm	43
134 CID (2.2L) LPG	1953-1976	3.437in./87.3mmX3.600in./91.4mm	21	215 CID (3.5L)	1952-1953	3.563in./90.5mmX3.609in./91.7mm	45
134 CID (2.2L) JE Flex	1953-1976	3.438in./87.3mmX3.600in./91.4mm	21	215 CID (3.5L) JA	1952-1953	3.563in./90.5mmX3.609in./91.7mm	45
134 CID (2.2L) SOHC Mazda	1989-1992	3.386in./86mmX3.701in./94mm	22				



FORD (Cont.)

ENGINE DATA (Cont.)

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
6 CYL (Cont.)				8 CYL (Cont.)			
223 CID (3.7L)	1954-1964	3.625in./92.1mmX3.609in./91.7mm	46	302 CID (5.0L) OHV	1956-1963	3.625in./92.1mmX3.656in./92.9mm	76
223 CID (3.7L) JF	1954-1964	3.625in./92.1mmX3.609in./91.7mm	47	312 CID (5.1L)	1956-1960	3.800in./96.5mmX3.438in./87.3mm	77
226 CID (3.7L) L-Head	1947-1951	3.300in./83.8mmX4.400in./111.8mm	48	312 CID (5.1L)	1957	3.800in./96.5mmX3.438in./87.3mm	77
232 CID (3.8L)	1982-2004	3.811in./96.8mmX3.386in./86mm	49	Supercharged			
232 CID (3.8L)	1989-1995	3.811in./96.8mmX3.386in./86mm	50	317 CID (5.2L)	1952-1955	3.800in./96.5mmX3.500in./88.9mm	67
Supercharged				330 CID (5.4L)	1964-1978	3.875in./98.4mmX3.500in./88.9mm	78
238 CID (3.9L) OHV	2004-2005	3.811in./96.8mmX3.465in./88mm	51	330 CID (5.4L) OHV	1964-1978	3.875in./98.4mmX3.500in./88.9mm	78
240 CID (4.0L)	1965-1974	4.000in./101.6mmX3.188in./80.98mm	52	330 CID (5.4L) Triton	1999-2002	3.550in./90.1mmX4.165in./105.8mm	71
240 CID (4.0L) OHV	1965-1974	4.000in./101.6mmX3.188in./80.98mm	52	DOHC Ford Windsor			
244 CID (4.0L) OHV	1990-2000	3.953in./100.4mmX3.307in./84mm	53	330 CID (5.4L) Triton	1997-2003	3.551in./90.2mmX4.161in./105.7mm	71
244 CID (4.0L) SOHC	1997-2005	3.953in./100.4mmX3.307in./84mm	54	SOHC 16 Valve Ford			
244 CID (4.0L) SOHC	2000-2005	3.953in./100.4mmX3.307in./84mm	54	Windsor			
Flex				330 CID (5.4L) Triton	1999-2003	3.551in./90.2mmX4.165in./105.8mm	71
250 CID (4.1L)	1969-1980	3.680in./93.5mmX3.906in./99.2mm	55	SOHC 16 Valve Ford			
256 CID (4.2L) OHV	1997-2005	3.811in./96.8mmX3.740in./95mm	51	Windsor Supercharged			
262 CID (4.3L)	1961-1964	3.719in./94.5mmX4.031in./102.4mm	56	330 CID (5.4L) Triton	1998-2003	3.551in./90.2mmX4.161in./105.7mm	71
262 CID (4.3L) OHV	1961-1964	3.719in./94.5mmX4.031in./102.4mm	56	SOHC 16 Valve Ford			
300 CID (4.9L)	1965-1996	4.000in./101.6mmX3.980in./101.1mm	57	Windsor Bi-Fuel Gas/CNG;			
300 CID (4.9L) LPG	1965-1996	4.000in./101.6mmX3.980in./101.1mm	57	Gas/LPG			
330 CID (5.4L) 590E	1960-1966	3.938in./100mmX4.527in./115mm	58	330 CID (5.4L) Triton	1997-2003	3.551in./90.2mmX4.161in./105.7mm	71
Dagenham Diesel				SOHC 16 Valve Ford			
330 CID (5.4L) Dagenham	1962-1966	3.938in./100mmX4.527in./115mm	58	Windsor CNG			
Diesel				332 CID (5.4L)	1956-1963	3.800in./96.5mmX3.656in./92.9mm	79
401 CID (6.6L) 401D		4.400in./111.8mmX4.406in./112mm	59	332 CID (5.4L)	1958-1959	4.000in./101.6mmX3.297in./83.8mm	80
Diesel				341 CID (5.6L)	1955	3.938in./100mmX3.500in./88.9mm	81
401 CID (6.6L) 401DT		4.400in./111.8mmX4.406in./112mm	60	351 CID (5.8L) Ford	1971-1974	4.000in./101.6mmX3.500in./88.9mm	82
Turbocharged Diesel				Cleveland LPG			
401 CID (6.6L) Brazilian -	1986-1995	4.400in./111.8mmX4.400in./111.8mm	61	351 CID (5.8L) Ford	1969-1994	4.000in./101.6mmX3.500in./88.9mm	83
Turbo Turbocharged Diesel				Windsor LPG			
474 CID (7.8L) Brazilian -	1987-1995	4.400in./111.8mmX5.200in./132mm	61	351 CID (5.8L) 351C Ford	1970-1974	4.000in./101.6mmX3.500in./88.9mm	82
Turbo Turbocharged Diesel				Cleveland			
8 CYL				351 CID (5.8L) 351M	1975-1982	4.000in./101.6mmX3.500in./88.9mm	84
207 CID (3.4L) DOHC	1996-1999	3.189in./81mmX3.071in./78mm	62	351 CID (5.8L) 351M LPG	1975-1982	4.000in./101.6mmX3.500in./88.9mm	84
221 CID (3.6L)	1937-1942	3.063in./77.8mmX3.750in./95.3mm	63	351 CID (5.8L) 351W Ford	1969-1998	4.000in./101.6mmX3.500in./88.9mm	83
221 CID (3.6L)	1962-1963	3.500in./88.9mmX2.875in./73mm	64	Windsor			
239 CID (3.9L) L-Head	1939-1953	3.188in./80.98mmX3.750in./95.3mm	65	351 CID (5.8L) Boss Ford	1971	4.000in./101.6mmX3.500in./88.9mm	82
239 CID (3.9L) OHV	1954-1955	3.500in./88.9mmX3.100in./78.7mm	66	Cleveland			
255 CID (4.2L)	1980-1982	3.680in./93.5mmX3.000in./76.2mm	64	351 CID (5.8L) Cobra Jet	1973-1974	4.000in./101.6mmX3.500in./88.9mm	82
255 CID (4.2L) L-Head	1949-1953	3.188in./80.98mmX4.000in./101.6mm	65	Ford Cleveland			
256 CID (4.2L)	1954-1955	3.625in./92.1mmX3.100in./78.7mm	66	351 CID (5.8L) High	1972	4.000in./101.6mmX3.500in./88.9mm	82
256 CID (4.2L) JH	1954-1955	3.625in./92.1mmX3.100in./78.7mm	66	Output Ford Cleveland			
256 CID (4.2L) JJ	1954-1955	3.625in./92.1mmX3.100in./78.7mm	66	351 CID (5.8L) High	1995	4.000in./101.6mmX3.500in./88.9mm	85
260 CID (4.3L)	1962-1965	3.800in./96.5mmX2.870in./72.9mm	64	Output Cobra			
272 CID (4.5L)	1955-1958	3.625in./92.1mmX3.297in./83.8mm	66	351 CID (5.8L) High	1993-1996	4.000in./101.6mmX3.500in./88.9mm	85
279 CID (4.6L)	1952-1955	3.562in./90.5mmX3.500in./88.9mm	67	Performance Ford Windsor			
279 CID (4.6L) OHV	1953-1955	3.562in./90.5mmX3.500in./88.9mm	67	352 CID (5.8L)	1958-1967	4.000in./101.6mmX3.500in./88.9mm	86
281 CID (4.6L) DOHC	1993-2004	3.551in./90.2mmX3.542in./90mm	68	359 CID (5.9L) OHV	1974-1975	4.050in./102.9mmX3.500in./88.9mm	87
281 CID (4.6L) DOHC	2003-2004	3.551in./90.2mmX3.542in./90mm	68	360 CID (5.9L)	1976	4.050in./102.9mmX3.500in./88.9mm	87
Ford				361 CID (5.9L) OHV	1964-1978	4.050in./102.9mmX3.500in./88.9mm	78
281 CID (4.6L) DOHC	2003-2004	3.551in./90.2mmX3.542in./90mm	68	361 CID (5.9L) Super	1958-1959	4.050in./102.9mmX3.500in./88.9mm	88
Supercharged/Intercooled				Express			
281 CID (4.6L) SOHC	1991-2004	3.551in./90.2mmX3.542in./90mm	69	363 CID/5954CC (6.0L)	2003-2006	3.740in./95mmX4.134in./105mm	89
281 CID (4.6L) SOHC	1995-2004	3.551in./90.2mmX3.542in./90mm	70	Power-Stroke/VT365			
CNG				International			
281 CID (4.6L) SOHC	1997-1998	3.551in./90.2mmX3.542in./90mm	71	Turbocharged/Intercooled			
LPG				Diesel			
281 CID (4.6L) SOHC 24	2005-2006	3.551in./90.2mmX3.540in./89.9mm	72	368 CID (6.0L)	1956-1957	4.000in./101.6mmX3.656in./92.9mm	90
Valve				370 CID (6.1L)	1979-1991	4.046in./102.8mmX3.590in./91.2mm	91
289 CID (4.7L)	1963-1968	4.000in./101.6mmX2.870in./72.9mm	73	370 CID (6.1L) OHV	1979-1991	4.046in./102.8mmX3.590in./91.2mm	91
289 CID (4.7L) LPG	1965-1968	4.000in./101.6mmX2.870in./72.9mm	64	383 CID (6.3L)	1958-1960	4.300in./109.2mmX3.297in./83.8mm	92
292 CID (4.8L)	1955-1964	3.750in./95.3mmX3.297in./83.8mm	74	389 CID (6.4L) OHV	1975-1978	4.050in./102.9mmX3.781in./96mm	87
302 CID (5.0L)	1968-2001	4.000in./101.6mmX3.000in./76.2mm	64	390 CID (6.4L)	1961-1976	4.050in./102.9mmX3.781in./96mm	93
302 CID (5.0L) LPG	1968-1986	4.000in./101.6mmX3.000in./76.2mm	64	391 CID (6.4L) OHV	1964-1978	4.050in./102.9mmX3.781in./96mm	78
302 CID (5.0L) Boss	1969-1971	4.000in./101.6mmX3.000in./76.2mm	75	400 CID (6.6L) OHV	1971-1982	4.000in./101.6mmX4.000in./101.6mm	84
302 CID (5.0L) High	1982-1995	4.000in./101.6mmX3.000in./76.2mm	64	400 CID (6.6L) OHV LPG	1972-1982	4.000in./101.6mmX4.000in./101.6mm	84
Output				401 CID (6.6L)	1958-1976	4.125in./104.8mmX3.750in./95.3mm	94
				406 CID (6.7L)	1962-1963	4.130in./104.9mmX3.781in./96mm	95
				410 CID (6.7L)	1966-1967	4.050in./102.9mmX3.984in./101.2mm	87



FORD (Cont.)

ENGINE DATA (Cont.)

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
8 CYL (Cont.)				8 CYL (Cont.)			
410 CID (6.7L) OHV	1958	4.203in./106.8mmX3.703in./94.1mm	92	444 CID (7.3L) Indirect	1992-1994	4.110in./104.4mmX4.180in./106.2mm	96
420 CID (6.9L) Navistar Diesel	1983-1987	4.000in./101.6mmX4.180in./106.2mm	96	Injection Navistar Turbocharged Diesel			
427 CID (7.0L) High Performance	1963-1968	4.233in./107.5mmX3.781in./96mm	97	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar	1994-2003	4.110in./104.4mmX4.180in./106.2mm	99
427 CID (7.0L) Super High Output	1963-1967	4.233in./107.5mmX3.781in./96mm	98	Turbocharged/Intercooled Diesel			
428 CID (7.0L)		4.130in./104.9mmX3.984in./101.2mm	87	460 CID (7.5L)	1968-1998	4.360in./110.7mmX3.850in./97.8mm	91
428 CID (7.0L) Cobra Jet	1966-1970	4.130in./104.9mmX3.984in./101.2mm	87	460 CID (7.5L) LPG	1973-1992	4.360in./110.7mmX3.850in./97.8mm	91
428 CID (7.0L) OHV		4.130in./104.9mmX3.984in./101.2mm	87	462 CID (7.6L)	1966-1968	4.380in./111.3mmX3.830in./97.3mm	92
428 CID (7.0L) Super Cobra Jet	1969-1970	4.130in./104.9mmX3.984in./101.2mm	87	475 CID (7.8L)	1973-1979	4.500in./114.3mmX3.750in./95.3mm	94
428 CID (7.0L)	1966-1968	4.130in./104.9mmX3.984in./101.2mm	87	477 CID (7.8L)	1958-1981	4.500in./114.3mmX3.750in./95.3mm	94
Thunderbird				522 CID (8.6L) V150 Caterpillar Diesel	1968-1971	4.500in./114.3mmX4.100in./104.1mm	100
429 CID (7.0L)	1979-1993	4.360in./110.7mmX3.590in./91.2mm	91	522 CID (8.6L) V175 Caterpillar Diesel	1968-1975	4.500in./114.3mmX4.100in./104.1mm	100
429 CID (7.0L) Boss	1969-1970	4.360in./110.7mmX3.590in./91.2mm	91	534 CID (8.8L)	1958-1981	4.500in./114.3mmX4.200in./106.7mm	94
429 CID (7.0L) Cobra Jet	1970-1973	4.360in./110.7mmX3.590in./91.2mm	91	573 CID (9.4L) V200 Caterpillar Diesel	1968-1975	4.500in./114.3mmX4.500in./114.3mm	100
429 CID (7.0L) OHV	1979-1998	4.360in./110.7mmX3.590in./91.2mm	91	636 CID (10.4L) V225 Caterpillar Diesel	1970-1976	4.500in./114.3mmX5.000in./127mm	100
429 CID (7.0L) OHV LPG	1990-1998	4.360in./110.7mmX3.590in./91.2mm	91	10 CYL			
429 CID (7.0L) Special	1969-1970	4.360in./110.7mmX3.590in./91.2mm	91	415 CID (6.8L) SOHC 20 Valve Ford Windsor	1997-2004	3.550in./90.1mmX4.161in./105.7mm	101
429 CID (7.0L) Super Cobra Jet	1971	4.360in./110.7mmX3.590in./91.2mm	91				
429 CID (7.0L) Thunder Jet	1968-1973	4.360in./110.7mmX3.590in./91.2mm	91				
430 CID (7.0L)	1958-1965	4.300in./109.2mmX3.703in./94.1mm	92				
444 CID (7.3L) Indirect Injection Navistar Diesel	1988-1994	4.110in./104.4mmX4.180in./106.2mm	96				

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
1 Ton	120 CID (2.0L) L-Head	1941-1944	15	300 CID (4.9L)		1965-1993	57
1 Ton	226 CID (3.7L) L-Head	1941-1947	48	302 CID (5.0L)		1968-1993	64
1/2 Ton	120 CID (2.0L) L-Head	1941-1944	15	317 CID (5.2L)		1952-1955	67
1/2 Ton	226 CID (3.7L) L-Head	1941-1947	48	330 CID (5.4L) Dagenham Diesel		1962-1966	58
3/4 Ton	120 CID (2.0L) L-Head	1941-1944	15	330 CID (5.4L)		1964-1966	78
3/4 Ton	226 CID (3.7L) L-Head	1941-1947	48	332 CID (5.4L)		1956-1963	79
	67 CID (1.1L) I-67	1973-1982	3	351 CID (5.8L) 351W Ford Windsor		1969-1993	83
	98 CID (1.6L) OHV	1973-1982	7	360 CID (5.9L)			87
	120 CID (2.0L) 40 Horsepower		15	361 CID (5.9L) OHV		1964-1978	78
	134 CID (2.2L)	1953-1976	21	370 CID (6.1L)		1979-1991	91
	134 CID (2.2L)	1953-1976	21	390 CID (6.4L)			93
	134 CID (2.2L) JE	1953-1976	21	391 CID (6.4L) OHV		1964-1978	78
	140 CID (2.3L) SOHC	1977-1993	25	401 CID (6.6L) 401D Diesel			59
	144 CID (2.4L)	1960-1964	32	401 CID (6.6L) 401DT Diesel			60
	144 CID (2.4L) Diesel	1958-1965	28	401 CID (6.6L)		1958-1976	94
	172 CID (2.8L)	1955-1978	21	428 CID (7.0L)			87
	172 CID (2.8L)	1955-1978	21	428 CID (7.0L) OHV			87
	172 CID (2.8L) 172D Diesel	1958-1978	28	429 CID (7.0L) OHV		1979-1993	91
	192 CID (3.1L) Diesel	1972-1981	28	429 CID (7.0L)		1979-1993	91
	192 CID (3.1L)	1972-1981	21	460 CID (7.5L)		1973-1993	91
	192 CID (3.1L)	1972-1981	21	477 CID (7.8L)		1958-1981	94
	200 CID (3.3L) OHV	1965-1983	44	534 CID (8.8L)		1958-1981	94
	215 CID (3.5L)	1952-1953	45	289 CID (4.7L)		1965-1968	64
	215 CID (3.5L) JA	1952-1953	45	300 CID (4.9L)		1965-1995	57
	220 CID (3.6L) Diesel	1962-1966	31	302 CID (5.0L)		1968-1986	64
	223 CID (3.7L)	1954-1964	46	351 CID (5.8L) Ford Cleveland		1971-1974	82
	223 CID (3.7L) JF	1954-1964	47	351 CID (5.8L) Ford Windsor		1969-1994	83
	239 CID (3.9L) L-Head	1939-1955	65	351 CID (5.8L) 351M		1975-1982	84
	239 CID (3.9L) OHV	1954-1955	66	400 CID (6.6L) OHV		1972-1982	84
	240 CID (4.0L)	1965-1974	52	460 CID (7.5L)		1973-1992	91
	256 CID (4.2L)	1954-1955	66	1699CC (1.7L) OHV		1964-1967	5
	256 CID (4.2L) JH	1954-1955	66	140 CID (2.3L) SOHC		1986-1987	25
	256 CID (4.2L) JJ	1954-1955	66	171 CID (2.8L) German		1986	38
	262 CID (4.3L)	1961-1964	56	Aerostar			
	272 CID (4.5L)	1956-1958	66	Aerostar			
	279 CID (4.6L)	1952-1955	67	Aerostar			
	292 CID (4.8L)	1958-1964	74	Aerostar			
				244 CID (4.0L) OHV		1990-1997	53
				Anglia			
				997CC (1.0L) OHV		1959-1967	2



FORD (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Anglia	1198CC (1.2L) British	1961-1968	2	Brougham	410 CID (6.7L)	1967	87
Aspire	81 CID/1328CC (1.3L) SOHC Mazda	1994-1997	4	C5	239 CID (3.9L) L-Head	1948-1952	65
				C6	239 CID (3.9L) L-Head	1948-1952	65
Aviator	281 CID (4.6L) DOHC Ford	2003-2005	68	C500	239 CID (3.9L) L-Head	1953	65
B5	239 CID (3.9L) L-Head	1948-1952	65	C500	239 CID (3.9L) OHV	1954-1955	66
B6	239 CID (3.9L) L-Head	1948-1952	65	C500	272 CID (4.5L)	1956	66
B500	215 CID (3.5L)	1953	45	C500	300 CID (4.9L)	1970-1971	57
B500	223 CID (3.7L)	1954-1964	46	C550	262 CID (4.3L) OHV	1961-1964	56
B500	239 CID (3.9L) L-Head	1953	65	C550	292 CID (4.8L)	1959-1964	74
B500	239 CID (3.9L) OHV	1954-1955	66	C550	300 CID (4.9L)	1965-1969	57
B500	240 CID (4.0L) OHV	1965-1971	52	C550	330 CID (5.4L) OHV	1964-1969	78
B500	272 CID (4.5L)	1956-1958	66	C600	239 CID (3.9L) L-Head	1953	65
B500	300 CID (4.9L)	1965-1978	57	C600	239 CID (3.9L) OHV	1954-1955	66
B500	330 CID (5.4L) OHV	1964-1978	78	C600	262 CID (4.3L) OHV	1961-1964	56
B600	223 CID (3.7L)	1955-1964	46	C600	272 CID (4.5L)	1956-1958	66
B600	239 CID (3.9L) L-Head	1953	65	C600	292 CID (4.8L)	1959-1964	74
B600	239 CID (3.9L) OHV	1954-1955	66	C600	300 CID (4.9L)	1965-1977	57
B600	240 CID (4.0L) OHV	1965-1967	52	C600	330 CID (5.4L) OHV	1964-1978	78
B600	256 CID (4.2L)	1954-1955	66	C600	359 CID (5.9L) OHV	1974-1975	87
B600	262 CID (4.3L) OHV	1961-1962	56	C600	361 CID (5.9L) OHV	1964-1978	78
B600	272 CID (4.5L)	1956-1958	66	C600	370 CID (6.1L) OHV	1979-1986	91
B600	292 CID (4.8L)	1959-1964	74	C600D	330 CID (5.4L) Dagenham Diesel	1962-1966	58
B600	300 CID (4.9L)	1965-1979	57	C700	272 CID (4.5L)	1956-1958	66
B600	330 CID (5.4L) OHV	1964-1978	78	C700	292 CID (4.8L)	1959-1963	74
B600	359 CID (5.9L) OHV	1974-1975	87	C700	330 CID (5.4L) OHV	1964-1972	78
B600	361 CID (5.9L) OHV	1964-1978	78	C700	359 CID (5.9L) OHV	1974-1975	87
B600	370 CID (6.1L) OHV	1979-1989	91	C700	361 CID (5.9L) OHV	1964-1978	78
B600	429 CID (7.0L) OHV	1988-1989	91	C700	370 CID (6.1L) OHV	1979-1986	91
B700	256 CID (4.2L)	1954-1955	66	C700	389 CID (6.4L) OHV	1975-1978	87
B700	272 CID (4.5L)	1956-1958	66	C700	429 CID (7.0L) OHV	1979-1986	91
B700	292 CID (4.8L)	1959-1964	74	C700D	330 CID (5.4L) Dagenham Diesel	1962-1966	58
B700	330 CID (5.4L) OHV	1964-1978	78	C750	279 CID (4.6L) OHV	1953-1955	67
B700	359 CID (5.9L) OHV	1974-1975	87	C750	302 CID (5.0L) OHV	1956-1962	76
B700	361 CID (5.9L) OHV	1964-1978	78	C750	332 CID (5.4L)	1963	79
B700	370 CID (6.1L) OHV	1979-1989	91	C750	359 CID (5.9L) OHV	1974-1975	87
B700	429 CID (7.0L) OHV	1982-1989	91	C750	361 CID (5.9L) OHV	1964-1978	78
B750	279 CID (4.6L) OHV	1953-1955	67	C750	389 CID (6.4L) OHV	1975-1978	87
B750	332 CID (5.4L)	1956-1963	79	C800	317 CID (5.2L)	1953-1955	67
B750	359 CID (5.9L) OHV	1974-1975	87	C800	332 CID (5.4L)	1956-1963	79
B750	361 CID (5.9L) OHV	1964-1977	78	C800	359 CID (5.9L) OHV	1974-1975	87
B750	389 CID (6.4L) OHV	1975-1977	87	C800	361 CID (5.9L) OHV	1964-1978	78
B6000	401 CID (6.6L) Brazilian - Turbo Diesel	1987-1993	61	C800	370 CID (6.1L) OHV	1979-1986	91
				C800	389 CID (6.4L) OHV	1975-1978	87
B6000	522 CID (8.6L) V150 Caterpillar Diesel	1968-1971	100	C800	391 CID (6.4L) OHV	1964-1974	78
				C800	429 CID (7.0L) OHV	1979-1986	91
B7000	401 CID (6.6L) Brazilian - Turbo Diesel	1986-1993	61	C800	475 CID (7.8L)	1976-1979	94
				C850	401 CID (6.6L)	1958-1969	94
B7000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1993	61	C850	477 CID (7.8L)	1962-1969	94
				C900	317 CID (5.2L)	1954-1955	67
B7000	522 CID (8.6L) V175 Caterpillar Diesel	1968-1975	100	C900	332 CID (5.4L)	1956-1958	79
				C900	401 CID (6.6L)	1970-1975	94
Bermuda	361 CID (5.9L) Super Express	1958	88	C900	477 CID (7.8L)	1976-1981	94
Blackwood	330 CID (5.4L) Triton DOHC Ford Windsor	2002-2003	71	C900	534 CID (8.8L)	1976-1981	94
				C950	401 CID (6.6L)	1958-1962	94
Bobcat	140 CID (2.3L) SOHC	1975-1979	25	C950	477 CID (7.8L)	1960-1962	94
Bobcat	171 CID (2.8L) German	1975-1979	38	C1000	477 CID (7.8L)	1958-1969	94
Bronco	170 CID (2.8L)	1966-1972	37	C1000	534 CID (8.8L)	1960-1969	94
Bronco	200 CID (3.3L) OHV	1973-1974	44	C1100	477 CID (7.8L)	1958-1965	94
Bronco	289 CID (4.7L)	1966-1968	73	C1100	534 CID (8.8L)	1960-1965	94
Bronco	300 CID (4.9L)	1980-1996	57	C6000	522 CID (8.6L) V150 Caterpillar Diesel	1968-1971	100
Bronco	302 CID (5.0L)	1969-1996	64				
Bronco	351 CID (5.8L) 351W Ford Windsor	1978-1996	83	C7000	522 CID (8.6L) V175 Caterpillar Diesel	1968-1975	100
Bronco	351 CID (5.8L) 351M	1978-1981	84	C7000	573 CID (9.4L) V200 Caterpillar Diesel	1968-1975	100
Bronco	400 CID (6.6L) OHV	1978-1979	84				
Bronco II	140 CID (2.3L) SOHC Mitsubishi Diesel	1985-1986	26	C8000	522 CID (8.6L) V175 Caterpillar Diesel	1968-1975	100
Bronco II	171 CID (2.8L) German	1984-1986	38				
Bronco II	177 CID (2.9L) OHV	1986-1990	39				



FORD (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
C8000	573 CID (9.4L) V200 Caterpillar Diesel	1968-1975	100	Club Wagon E150	351 CID (5.8L) 351M	1977-1982	84
C8000	636 CID (10.4L) V225 Caterpillar Diesel	1970-1976	100	Club Wagon E200	240 CID (4.0L) OHV	1969-1974	52
CF6000	401 CID (6.6L) Brazilian - Turbo Diesel	1986-1990	61	Club Wagon E200	302 CID (5.0L)	1969-1974	64
CF7000	401 CID (6.6L) Brazilian - Turbo Diesel	1986-1995	61	Club Wagon E250	300 CID (4.9L)	1975-1991	57
CF8000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1995	61	Club Wagon E250	300 CID (4.9L)	1982-1991	57
CFT8000	474 CID (7.8L) Brazilian - Turbo Diesel	1988-1995	61	Club Wagon E250	302 CID (5.0L)	1979-1991	64
CT900	477 CID (7.8L)	1973-1982	94	Club Wagon E250	351 CID (5.8L) 351W Ford Windsor	1975-1991	83
CT900	534 CID (8.8L)	1973-1982	94	Club Wagon E250	351 CID (5.8L) 351M	1977-1982	84
Caliente	170 CID (2.8L)	1964	37	Club Wagon E250	400 CID (6.6L) OHV	1980-1982	84
Caliente	200 CID (3.3L) OHV	1964-1967	44	Club Wagon E250	420 CID (6.9L) Navistar Diesel	1983-1987	96
Caliente	260 CID (4.3L)	1964	64	Club Wagon E250	444 CID (7.3L) Indirect Injection Navistar Diesel	1988-1991	96
Caliente	289 CID (4.7L)	1964-1966	73	Club Wagon E250	460 CID (7.5L)	1975-1991	91
Caliente	390 CID (6.4L)	1966-1967	93	Club Wagon E300	240 CID (4.0L) OHV	1969-1974	52
Capri	98 CID (1.6L) OHV	1970-1972	7	Club Wagon E300	302 CID (5.0L)	1969-1974	64
Capri	98 CID (1.6L) DOHC Mazda	1991-1994	6	Club Wagon E350	300 CID (4.9L)	1984-1996	57
Capri	98 CID (1.6L) DOHC Mazda	1991-1994	6	Club Wagon E350	300 CID (4.9L)	1984	57
Capri	122 CID (2.0L) SOHC	1971-1974	10	Club Wagon E350	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1997-1998	71
Capri	140 CID (2.3L) SOHC	1976-1986	25	Club Wagon E350	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1997-1998	71
Capri	140 CID (2.3L) SOHC	1979-1985	16	Club Wagon E350	351 CID (5.8L) 351W Ford Windsor	1984-1996	83
Capri	159 CID (2.6L)	1972	35	Club Wagon E350	415 CID (6.8L) SOHC 20 Valve Ford Windsor	1997-2000	101
Capri	171 CID (2.8L) German	1974-1978	38	Club Wagon E350	420 CID (6.9L) Navistar Diesel	1984-1987	96
Capri	200 CID (3.3L) OHV	1979-1982	44	Club Wagon E350	444 CID (7.3L) Indirect Injection Navistar Diesel	1988-1994	96
Capri	232 CID (3.8L)	1983-1986	49	Club Wagon E350	444 CID (7.3L) Indirect Injection Navistar Diesel	1992-1993	96
Capri	255 CID (4.2L)	1980-1982	64	Club Wagon E350	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1994-1998	99
Capri	289 CID (4.7L)	1966-1967	73	Club Wagon E350	460 CID (7.5L)	1984-1996	91
Capri	302 CID (5.0L)	1979-1983	64	Colony Park	292 CID (4.8L)	1961-1962	74
Capri	302 CID (5.0L) High Output	1982-1986	64	Colony Park	352 CID (5.8L)	1961-1962	86
Capri	317 CID (5.2L)	1952-1954	67	Colony Park	368 CID (6.0L)	1957	90
Capri	341 CID (5.6L)	1955	81	Colony Park	383 CID (6.3L)	1958-1959	92
Capri	368 CID (6.0L)	1956-1957	90	Colony Park	390 CID (6.4L)	1961-1968	93
Capri	390 CID (6.4L)	1966-1967	93	Colony Park	410 CID (6.7L)	1966-1967	87
Capri	430 CID (7.0L)	1958-1959	92	Colony Park	427 CID (7.0L) High Performance	1967	97
Capri	1100CC (1.1L)	1971-1973	3	Colony Park	428 CID (7.0L) Thunderbird	1966-1968	87
Capri	1298CC (1.3L) German	1968-1980	3	Colony Park	430 CID (7.0L)	1958-1960	92
Capri	1340CC (1.3L) British	1960-1965	2	Comet	144 CID (2.4L)	1960-1963	32
Capri	1498CC (1.5L) OHV	1967-1970	5	Comet	170 CID (2.8L)	1961-1967	37
Capri	1498CC (1.5L) OHV	1963-1972	3	Comet	200 CID (3.3L) OHV	1964-1977	44
Capri	1593CC (1.6L) British	1972-1980	10	Comet	250 CID (4.1L)	1969-1977	55
Capri	1599CC (1.6L) British	1968-1972	3	Comet	260 CID (4.3L)	1963-1964	64
Capri	1699CC (1.7L) OHV	1969-1972	5	Comet	289 CID (4.7L)	1964-1967	73
Capri	1993CC (2.0L) OHC	1966-1976	10	Comet	302 CID (5.0L)	1968-1977	64
Capri	2551CC (2.6L) German	1970-1976	36	Comet	351 CID (5.8L) 351W Ford Windsor	1969	83
Citation	410 CID (6.7L) OHV	1958	92	Comet	390 CID (6.4L)	1966-1969	93
Club Wagon E100	144 CID (2.4L)	1962-1964	32	Commuter	390 CID (6.4L)	1964-1968	93
Club Wagon E100	170 CID (2.8L)	1962-1972	37	Commuter	410 CID (6.7L)	1966-1967	87
Club Wagon E100	240 CID (4.0L) OHV	1965-1974	52	Commuter	428 CID (7.0L) Cobra Jet	1966-1968	87
Club Wagon E100	300 CID (4.9L)	1974-1982	57	Consul	1340CC (1.3L) British	1960-1965	2
Club Wagon E100	302 CID (5.0L)	1969-1983	64	Consul	1699CC (1.7L) OHV	1972-1975	5
Club Wagon E100	351 CID (5.8L) 351W Ford Windsor	1975-1983	83	Consul	2551CC (2.6L) German	1970-1976	36
Club Wagon E100	351 CID (5.8L) 351M	1977-1982	84	Continental	232 CID (3.8L)	1982-1994	49
Club Wagon E150	256 CID (4.2L) OHV	1997-2004	51	Continental	281 CID (4.6L) DOHC	1995-2002	68
Club Wagon E150	281 CID (4.6L) SOHC	1997-2008	69	Continental	302 CID (5.0L)	1980-1987	64
Club Wagon E150	281 CID (4.6L) SOHC	1997-1998	71	Continental	351 CID (5.8L) 351W Ford Windsor	1980	83
Club Wagon E150	300 CID (4.9L)	1975-1996	57	Continental	400 CID (6.6L) OHV	1977-1979	84
Club Wagon E150	300 CID (4.9L)	1983-1996	57	Continental	430 CID (7.0L)	1961-1965	92
Club Wagon E150	302 CID (5.0L)	1980-1996	64	Continental	460 CID (7.5L)	1968-1978	91
Club Wagon E150	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1997-2008	71				
Club Wagon E150	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1997-1998	71				
Club Wagon E150	351 CID (5.8L) 351W Ford Windsor	1975-1996	83				



FORD (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Continental	462 CID (7.6L)	1966-1968	92	Courier	110 CID (1.8L) SOHC Mazda	1972-1978	12
Continental Mark II	368 CID (6.0L)	1956-1957	90	Courier	122 CID (2.0L) SOHC Mazda	1979-1982	12
Continental Mark III	430 CID (7.0L)	1958	92	Courier	140 CID (2.3L) SOHC	1977-1982	25
Continental Mark IV	430 CID (7.0L)	1959	92	Crestline	215 CID (3.5L)	1952-1953	45
Continental Mark V	430 CID (7.0L)	1960	92	Crestline	223 CID (3.7L)	1954	46
Contour	155 CID (2.5L) Duratec/DOHC/24 Valve	1995-2000	34	Crestline	239 CID (3.9L) L-Head	1952-1953	65
Contour	1989CC (2.0L) Zetec/DOHC/16 Valve	1995-2000	20	Crestline	239 CID (3.9L) OHV	1954	66
Contour	1989CC (2.0L) Zetec/DOHC/16 Valve	1996-2000	20	Crestline	256 CID (4.2L)	1954	66
Corsair	332 CID (5.4L)	1959	80	Crown Victoria	281 CID (4.6L) SOHC	1992-2007	69
Corsair	410 CID (6.7L) OHV	1958	92	Crown Victoria	281 CID (4.6L) SOHC	1995-2006	70
Cortina	1100CC (1.1L)	1971-1973	3	Crown Victoria	302 CID (5.0L)	1983-1991	64
Cortina	1198CC (1.2L) British	1962-1968	2	Crown Victoria	351 CID (5.8L) 351W Ford	1983-1991	83
Cortina	1498CC (1.5L) OHV	1963-1972	3	Custom	255 CID (4.2L) L-Head	1952-1953	65
Cortina	1593CC (1.6L) British	1970-1982	10	Custom	256 CID (4.2L)	1954	66
Cortina	1599CC (1.6L) British	1967-1973	3	Custom	292 CID (4.8L)	1955	74
Cosmopolitan	317 CID (5.2L)	1952-1954	67	Custom	312 CID (5.1L)	1956	77
Cougar	140 CID (2.3L) SOHC	1981-1982	25	Custom 300	223 CID (3.7L)	1957-1959	46
Cougar	140 CID (2.3L) SOHC	1984-1986	16	Custom 300	272 CID (4.5L)	1957	66
Cougar	155 CID (2.5L) Duratec/DOHC/24 Valve	1999-2002	34	Custom 300	292 CID (4.8L)	1957-1959	74
Cougar	200 CID (3.3L) OHV	1980-1982	44	Custom 300	312 CID (5.1L)	1957	77
Cougar	232 CID (3.8L)	1982-1997	49	Custom 300	312 CID (5.1L)	1957	77
Cougar	232 CID (3.8L)	1989-1990	50	Custom 300	332 CID (5.4L)	1958	80
Cougar	255 CID (4.2L)	1980-1982	64	Custom 300	352 CID (5.8L)	1958-1959	86
Cougar	281 CID (4.6L) SOHC	1994-1997	69	Custom 500	240 CID (4.0L) OHV	1965-1972	52
Cougar	289 CID (4.7L)	1967-1968	73	Custom 500	289 CID (4.7L)	1964-1967	73
Cougar	302 CID (5.0L)	1968-1988	64	Custom 500	302 CID (5.0L)	1969-1979	64
Cougar	302 CID (5.0L) Boss	1969-1971	75	Custom 500	351 CID (5.8L) 351W Ford	1969-1979	83
Cougar	302 CID (5.0L) High Output	1991-1992	64	Custom 500	Windsor		
Cougar	351 CID (5.8L) 351W Ford	1969-1979	83	Custom 500	351 CID (5.8L) 351C Ford	1971-1974	82
Cougar	351 CID (5.8L) 351C Ford	1970-1974	82	Custom 500	Cleveland		
Cougar	351 CID (5.8L) 351M	1975-1979	84	Custom 500	351 CID (5.8L) High Output Ford	1972	82
Cougar	390 CID (6.4L)	1967-1969	93	Custom 500	Cleveland		
Cougar	400 CID (6.6L) OHV	1974-1978	84	Custom 500	351 CID (5.8L) Cobra Jet Ford	1973-1974	82
Cougar	427 CID (7.0L) High Performance	1968	97	Custom 500	Cleveland		
Cougar	428 CID (7.0L) Cobra Jet	1968-1969	87	Custom 500	351 CID (5.8L) 351M	1975-1979	84
Cougar	429 CID (7.0L) Thunder Jet	1969	91	Custom 500	390 CID (6.4L)	1964-1970	93
Cougar	429 CID (7.0L) Cobra Jet	1970-1971	91	Custom 500	400 CID (6.6L) OHV	1971-1978	84
Cougar	429 CID (7.0L) Super Cobra Jet	1971	91	Custom 500	427 CID (7.0L) High Performance	1964-1968	97
Cougar	460 CID (7.5L)	1974-1976	91	Custom 500	427 CID (7.0L) Super High Output	1964-1967	98
Cougar	1989CC (2.0L) Zetec/DOHC/16 Valve	1999-2002	20	Custom 500	429 CID (7.0L) Thunder Jet	1969-1971	91
Country Sedan	170 CID (2.8L)	1961-1962	37	Custom 500	460 CID (7.5L)	1973-1978	91
Country Sedan	223 CID (3.7L)	1955-1964	46	Custom	223 CID (3.7L)	1957	46
Country Sedan	240 CID (4.0L) OHV	1965-1968	52	Custom	239 CID (3.9L) L-Head	1949	65
Country Sedan	272 CID (4.5L)	1955-1957	66	Custom	240 CID (4.0L) OHV	1965-1972	52
Country Sedan	289 CID (4.7L)	1963-1968	73	Custom	272 CID (4.5L)	1957	66
Country Sedan	292 CID (4.8L)	1957-1962	74	Custom	289 CID (4.7L)	1964-1967	73
Country Sedan	312 CID (5.1L)	1957	77	Custom	292 CID (4.8L)	1957	74
Country Sedan	312 CID (5.1L)	1957	77	Custom	302 CID (5.0L)	1968-1972	64
Country Sedan	332 CID (5.4L)	1958-1959	80	Custom	312 CID (5.1L)	1957	77
Country Sedan	352 CID (5.8L)	1958-1963	86	Custom	312 CID (5.1L)	1957	77
Country Sedan	390 CID (6.4L)	1961-1968	93	Custom	351 CID (5.8L) 351W Ford	1969-1971	83
Country Sedan	428 CID (7.0L) Thunderbird	1966-1968	87	Custom	Windsor		
Country Squire	223 CID (3.7L)	1955-1964	46	Custom	351 CID (5.8L) 351C Ford	1970-1972	82
Country Squire	240 CID (4.0L) OHV	1965-1968	52	Custom	Cleveland		
Country Squire	272 CID (4.5L)	1955-1957	66	Custom	390 CID (6.4L)	1967-1970	93
Country Squire	289 CID (4.7L)	1963-1968	73	Custom	400 CID (6.6L) OHV	1971-1972	84
Country Squire	292 CID (4.8L)	1955-1962	74	Custom	429 CID (7.0L) Thunder Jet	1969-1971	91
Country Squire	312 CID (5.1L)	1956	77	Custom	341 CID (5.6L)	1955	81
Country Squire	332 CID (5.4L)	1958-1959	80	Customline	215 CID (3.5L)	1952-1953	45
Country Squire	352 CID (5.8L)	1958-1963	86	Customline	223 CID (3.7L)	1954-1956	46
Country Squire	390 CID (6.4L)	1961-1968	93	Customline	239 CID (3.9L) L-Head	1952-1953	65
				Customline	239 CID (3.9L) OHV	1954	66
				Customline	256 CID (4.2L)	1954	66
				Customline	272 CID (4.5L)	1955-1956	66
				Cyclone	289 CID (4.7L)	1964-1967	73
				Cyclone	302 CID (5.0L)	1968-1969	64



FORD (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Cyclone	351 CID (5.8L) 351W Ford Windsor	1969-1971	83	Econoline E250	420 CID (6.9L) Navistar Diesel	1983-1987	96
Cyclone	351 CID (5.8L) 351C Ford Cleveland	1970-1971	82	Econoline E250	460 CID (7.5L)	1975-1998	91
Cyclone	390 CID (6.4L)	1966-1969	93	Econoline E250 Ext.	256 CID (4.2L) OHV	1999-2003	51
Cyclone	427 CID (7.0L) High Performance	1968	97	Econoline E250 Ext.	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1999-2005	71
Cyclone	428 CID (7.0L) Cobra Jet	1968-1969	87	Econoline E250 Ext.	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1999-2005	71
Cyclone	429 CID (7.0L) Thunder Jet	1969-1971	91	Econoline E250 Ext.	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1999-2001	71
Cyclone	429 CID (7.0L) Special	1969-1970	91	Econoline E250 Ext.	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2005	89
Cyclone	429 CID (7.0L) Cobra Jet	1970-1971	91	Econoline E250 Super Duty	256 CID (4.2L) OHV	1999-2004	51
Cyclone	429 CID (7.0L) Super Cobra Jet	1971	91	Econoline E250 Super Duty	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1999-2008	71
Del Rio	352 CID (5.8L)	1958	86	Econoline E250 Super Duty	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1999-2005	71
Deluxe	221 CID (3.6L)	1938-1942	63	Econoline E250 Super Duty	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1999-2001	71
Deluxe	239 CID (3.9L) L-Head	1946-1951	65	Econoline E250 Super Duty	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2006-2008	89
E100 Pickup	144 CID (2.4L)	1961-1964	32	Econoline E300	240 CID (4.0L) OHV	1969-1974	52
E100 Pickup	170 CID (2.8L)	1964-1967	37	Econoline E300	302 CID (5.0L)	1969-1974	64
E100 Pickup	240 CID (4.0L) OHV	1967	52	Econoline E350	300 CID (4.9L)	1975-1996	57
E100 Station Bus	144 CID (2.4L)	1961-1964	32	Econoline E350	300 CID (4.9L)	1983-1985	57
E100 Station Bus	170 CID (2.8L)	1962-1965	37	Econoline E350	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1997-2000	71
E550 Super Duty	415 CID (6.8L) SOHC 20 Valve Ford Windsor	2002-2003	101	Econoline E350	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1997-2000	71
EXP	98 CID (1.6L) SOHC	1982-1985	8	Econoline E350	351 CID (5.8L) 351W Ford Windsor	1975-1996	83
EXP	98 CID (1.6L) SOHC High Output	1982-1985	8	Econoline E350	351 CID (5.8L) 351M	1977-1982	84
EXP	98 CID (1.6L) SOHC	1984-1985	8	Econoline E350	400 CID (6.6L) OHV	1980-1982	84
EXP	116 CID (1.9L) SOHC	1986-1988	14	Econoline E350	415 CID (6.8L) SOHC 20 Valve Ford Windsor	1997-2000	101
Econoline E100	144 CID (2.4L)	1961-1964	32	Econoline E350	420 CID (6.9L) Navistar Diesel	1983-1987	96
Econoline E100	170 CID (2.8L)	1964-1972	37	Econoline E350	444 CID (7.3L) Indirect Injection Navistar Diesel	1988-1994	96
Econoline E100	240 CID (4.0L) OHV	1967-1974	52	Econoline E350	444 CID (7.3L) Indirect Injection Navistar Diesel	1992-1993	96
Econoline E100	300 CID (4.9L)	1974-1982	57	Econoline E350	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1994-2000	99
Econoline E100	302 CID (5.0L)	1969-1983	64	Econoline E350	460 CID (7.5L)	1975-1996	91
Econoline E100	351 CID (5.8L) 351W Ford Windsor	1975-1983	83	Econoline E350 Super Duty	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1999-2008	71
Econoline E100	351 CID (5.8L) 351M	1977-1982	84	Econoline E350 Super Duty	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1999-2005	71
Econoline E150	256 CID (4.2L) OHV	1997-2005	51	Econoline E350 Super Duty	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1999-2004	71
Econoline E150	281 CID (4.6L) SOHC	1997-2008	69	Econoline E350 Super Duty	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2004-2008	89
Econoline E150	281 CID (4.6L) SOHC	1997-1998	71	Econoline E350 Super Duty	415 CID (6.8L) SOHC 20 Valve Ford Windsor	1998-2008	101
Econoline E150	300 CID (4.9L)	1975-1996	57	Econoline E350 Super Duty	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1998-2003	99
Econoline E150	300 CID (4.9L)	1983-1996	57	Econoline E350 Super Duty Ext.	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1999-2008	71
Econoline E150	302 CID (5.0L)	1979-1996	64	Econoline E350 Super Duty Ext.	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1999-2004	71
Econoline E150	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1997-2008	71	Econoline E350 Super Duty Ext.	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1999-2001	71
Econoline E150	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1997-1998	71	Econoline E350 Super Duty Ext.	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor		
Econoline E150	351 CID (5.8L) 351W Ford Windsor	1975-1996	83				
Econoline E150	351 CID (5.8L) 351M	1977-1982	84				
Econoline E200	170 CID (2.8L)	1969-1972	37				
Econoline E200	240 CID (4.0L) OHV	1969-1974	52				
Econoline E200	302 CID (5.0L)	1969-1974	64				
Econoline E250	256 CID (4.2L) OHV	1997-2005	51				
Econoline E250	281 CID (4.6L) SOHC	1997-2005	69				
Econoline E250	300 CID (4.9L)	1975-1996	57				
Econoline E250	300 CID (4.9L)	1990-1996	57				
Econoline E250	302 CID (5.0L)	1979-1996	64				
Econoline E250	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1997-2008	71				
Econoline E250	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1997-2004	71				
Econoline E250	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1998-2001	71				
Econoline E250	351 CID (5.8L) 351W Ford Windsor	1975-1996	83				
Econoline E250	351 CID (5.8L) 351M	1977-1982	84				
Econoline E250	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2005	89				
Econoline E250	400 CID (6.6L) OHV	1980-1982	84				



FORD (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Econoline E350 Super Duty Ext.	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2004-2008	89	F4	239 CID (3.9L) L-Head	1948-1952	65
Econoline E350 Super Duty Ext.	415 CID (6.8L) SOHC 20 Valve Ford Windsor	1999-2008	101	F5	239 CID (3.9L) L-Head	1948-1952	65
Econoline E350 Super Duty Ext.	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1999-2003	99	F6	239 CID (3.9L) L-Head	1948-1952	65
Econoline E450 Super Duty	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2004-2008	89	F53	460 CID (7.5L)	1989-1998	91
Econoline E450 Super Duty	415 CID (6.8L) SOHC 20 Valve Ford Windsor	1999-2008	101	F59	444 CID (7.3L) Indirect Injection Navistar Diesel	1989-1994	96
Econoline E450 Super Duty	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1999-2003	99	F59	444 CID (7.3L) Indirect Injection Navistar Diesel	1992-1993	96
Escape	181 CID/2967CC (3.0L) Duratec/DOHC/24 Valve	2001-2008	34	F59	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1994	99
Escape	1989CC (2.0L) Zetec/DOHC/16 Valve	2001-2004	20	F100	215 CID (3.5L)	1953	45
Escape	2261CC (2.3L) Duratec 23 DOHC	2005-2008	27	F100	223 CID (3.7L)	1954-1964	46
Escort	98 CID (1.6L) SOHC	1981-1985	8	F100	232 CID (3.8L)	1982-1983	49
Escort	98 CID (1.6L) SOHC High Output	1982-1985	8	F100	239 CID (3.9L) L-Head	1953	65
Escort	98 CID (1.6L) SOHC	1981-1985	8	F100	239 CID (3.9L) OHV	1954-1955	66
Escort	98 CID (1.6L) SOHC	1983	9	F100	240 CID (4.0L) OHV	1965-1974	52
Escort	112 CID (1.8L) DOHC Mazda	1991-1996	6	F100	255 CID (4.2L)	1981-1982	64
Escort	116 CID (1.9L) SOHC	1985-1996	14	F100	272 CID (4.5L)	1956-1958	66
Escort	116 CID (1.9L) High Output	1994-1995	13	F100	292 CID (4.8L)	1959-1964	74
Escort	122 CID (2.0L) SOHC Mazda Diesel	1984-1987	19	F100	300 CID (4.9L)	1965-1982	57
Escort	122 CID (2.0L) SOHC	1997-2002	13	F100	302 CID (5.0L)	1970-1983	64
Escort	1098CC (1.1L) German	1968-1980	3	F100	351 CID (5.8L) 351W Ford Windsor	1977-1979	83
Escort	1100CC (1.1L)	1971-1973	3	F100	351 CID (5.8L) 351M	1977-1982	84
Escort	1298CC (1.3L) German	1968-1980	3	F100	352 CID (5.8L)	1965-1966	86
Escort	1989CC (2.0L) Zetec/DOHC/16 Valve	1998-2003	20	F100	360 CID (5.9L)	1968-1976	87
Excursion	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	2000-2005	71	F100	390 CID (6.4L)	1968-1976	93
Excursion	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2003-2005	89	F100	400 CID (6.6L) OHV	1977-1979	84
Excursion	415 CID (6.8L) SOHC 20 Valve Ford Windsor	2000-2005	101	F100	460 CID (7.5L)	1973-1979	91
Excursion	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	2000-2003	99	F150	256 CID (4.2L) OHV	1997-2008	51
Expedition	281 CID (4.6L) SOHC	1997-2004	69	F150	281 CID (4.6L) SOHC	1997-2008	69
Expedition	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1997-2004	71	F150	300 CID (4.9L)	1975-1996	57
Expedition	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1998	71	F150	300 CID (4.9L)	1982	57
Explorer	244 CID (4.0L) OHV	1991-2000	53	F150	302 CID (5.0L)	1975-1996	64
Explorer	244 CID (4.0L) SOHC	1997-2008	54	F150	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1997-2003	71
Explorer	244 CID (4.0L) SOHC	2000-2005	54	F150	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1999-2003	71
Explorer	281 CID (4.6L) SOHC	2002-2005	69	F150	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1999-2003	71
Explorer	302 CID (5.0L)	1996-2001	64	F150	351 CID (5.8L) 351W Ford Windsor	1977-1996	83
Explorer Sport	244 CID (4.0L) SOHC	2001-2002	54	F150	351 CID (5.8L) 351M	1977-1981	84
Explorer Sport Trac	244 CID (4.0L) SOHC	2001-2005	54	F150	351 CID (5.8L) High Performance Ford Windsor	1993-1996	85
Explorer Sport Trac	244 CID (4.0L) SOHC	2004-2005	54	F150	360 CID (5.9L)	1975-1976	87
F1	215 CID (3.5L)	1952	45	F150	390 CID (6.4L)	1975-1976	93
F1	226 CID (3.7L) L-Head	1948-1951	48	F150	400 CID (6.6L) OHV	1977-1979	84
F1	239 CID (3.9L) L-Head	1948-1952	65	F150	460 CID (7.5L)	1975-1979	91
F2	215 CID (3.5L)	1952	45	F150	256 CID (4.2L) OHV	2004	51
F2	226 CID (3.7L) L-Head	1948-1951	48	F150 Heritage	281 CID (4.6L) SOHC	2004	69
F2	239 CID (3.9L) L-Head	1948-1952	65	F150 SuperCrew	281 CID (4.6L) SOHC	2001-2005	69
F3	215 CID (3.5L)	1952	45	F150 SuperCrew	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	2001-2003	71
F3	226 CID (3.7L) L-Head	1948-1951	48	F250	215 CID (3.5L)	1953	45
F3	239 CID (3.9L) L-Head	1948-1952	65	F250	223 CID (3.7L)	1954-1964	46
				F250	239 CID (3.9L) L-Head	1953	65
				F250	239 CID (3.9L) OHV	1954-1955	66
				F250	240 CID (4.0L) OHV	1965-1971	52
				F250	272 CID (4.5L)	1956-1958	66
				F250	281 CID (4.6L) SOHC	1997-1999	69
				F250	292 CID (4.8L)	1959-1964	74
				F250	300 CID (4.9L)	1965-1996	57
				F250	300 CID (4.9L)	1982-1996	57
				F250	302 CID (5.0L)	1970-1996	64



FORD (Cont.)

MODEL DATA (Cont.)							
Model	Engine	Years	Block	Model	Engine	Years	Block
F250	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1997-1999	71	F450 Super Duty	415 CID (6.8L) SOHC 20 Valve Ford Windsor	1999-2004	101
F250	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1997-1998	71	F450 Super Duty	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1999-2003	99
F250	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1998-1999	71	F500	215 CID (3.5L)	1953	45
F250	351 CID (7.3L) 351W Ford Windsor	1977-1997	83	F500	223 CID (3.7L)	1954-1964	46
F250	351 CID (5.8L) 351M	1977-1982	84	F500	239 CID (3.9L) L-Head	1953	65
F250	352 CID (5.8L)	1965-1966	86	F500	239 CID (3.9L) OHV	1954-1955	66
F250	360 CID (5.9L)	1968-1976	87	F500	240 CID (4.0L) OHV	1965-1974	52
F250	390 CID (6.4L)	1968-1976	93	F500	272 CID (4.5L)	1956-1958	66
F250	400 CID (6.6L) OHV	1977-1982	84	F500	292 CID (4.8L)	1959-1964	74
F250	420 CID (6.9L) Navistar Diesel	1983-1987	96	F500	300 CID (4.9L)	1965-1977	57
F250	444 CID (7.3L) Indirect Injection Navistar Diesel	1988-1994	96	F500	330 CID (5.4L) OHV	1964-1977	78
F250	444 CID (7.3L) Indirect Injection Navistar Diesel	1993	96	F550 Super Duty	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2003-2007	89
F250	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1994-1998	99	F550 Super Duty	415 CID (6.8L) SOHC 20 Valve Ford Windsor	1999-2004	101
F250	460 CID (7.5L)	1973-1998	91	F550 Super Duty	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1999-2003	99
F250 Super Duty	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1999-2004	71	F600	239 CID (3.9L) L-Head	1953	65
F250 Super Duty	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2003-2007	89	F600	239 CID (3.9L) OHV	1954-1955	66
F250 Super Duty	415 CID (6.8L) SOHC 20 Valve Ford Windsor	1999-2004	101	F600	256 CID (4.2L)	1954-1955	66
F250 Super Duty	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1999-2003	99	F600	262 CID (4.3L) OHV	1961-1962	56
F350	215 CID (3.5L)	1953	45	F600	272 CID (4.5L)	1956-1958	66
F350	223 CID (3.7L)	1954-1964	46	F600	292 CID (4.8L)	1959-1964	74
F350	239 CID (3.9L) L-Head	1953	65	F600	300 CID (4.9L)	1968-1979	57
F350	239 CID (3.9L) OHV	1954-1955	66	F600	330 CID (5.4L) OHV	1965-1979	78
F350	240 CID (4.0L) OHV	1965-1971	52	F600	359 CID (5.9L) OHV	1974-1975	87
F350	272 CID (4.5L)	1956-1958	66	F600	361 CID (5.9L) OHV	1964-1978	89
F350	292 CID (4.8L)	1959-1964	74	F600	370 CID (6.1L) OHV	1979-1987	91
F350	300 CID (4.9L)	1965-1996	57	F600	429 CID (7.0L) OHV	1989-1994	91
F350	300 CID (4.9L)	1984-1985	57	F600	429 CID (7.0L) OHV	1990-1994	91
F350	351 CID (5.8L) 351W Ford Windsor	1977-1998	83	F650 Super Duty	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2003-2007	89
F350	351 CID (5.8L) 351M	1977-1982	84	F650 Super Duty	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	2000-2002	99
F350	352 CID (5.8L)	1965-1966	86	F700	256 CID (4.2L)	1954-1955	66
F350	360 CID (5.9L)	1968-1976	87	F700	272 CID (4.5L)	1956-1958	66
F350	390 CID (6.4L)	1968-1976	93	F700	292 CID (4.8L)	1959-1964	74
F350	400 CID (6.6L) OHV	1977-1982	84	F700	330 CID (5.4L) OHV	1964-1972	78
F350	420 CID (6.9L) Navistar Diesel	1983-1987	96	F700	359 CID (5.9L) OHV	1974-1975	87
F350	444 CID (7.3L) Indirect Injection Navistar Diesel	1988-1994	96	F700	361 CID (5.9L) OHV	1964-1978	78
F350	444 CID (7.3L) Indirect Injection Navistar Diesel	1992-1993	96	F700	370 CID (6.1L) OHV	1979-1990	91
F350	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1994-1998	99	F700	389 CID (6.4L) OHV	1975-1978	87
F350	460 CID (7.5L)	1973-1998	91	F700	429 CID (7.0L) OHV	1979-1998	91
F350 Super Duty	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1999-2004	71	F700	429 CID (7.0L) OHV	1990-1998	91
F350 Super Duty	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2003-2007	89	F750	272 CID (4.5L)	1953-1955	66
F350 Super Duty	415 CID (6.8L) SOHC 20 Valve Ford Windsor	1999-2006	101	F750	279 CID (4.6L) OHV	1953-1955	67
F350 Super Duty	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1999-2003	99	F750	302 CID (5.0L) OHV	1956-1963	76
F450 Super Duty	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2003-2007	89	F750	359 CID (5.9L) OHV	1974-1975	87
				F750	361 CID (5.9L) OHV	1964-1977	78
				F750	389 CID (6.4L) OHV	1975-1977	87
				F750	391 CID (6.4L) OHV	1964-1974	78
				F750 Super Duty	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2003-2007	89
				F750 Super Duty	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	2000-2002	99
				F800	317 CID (5.2L)	1953-1955	67
				F800	332 CID (5.4L)	1956-1963	79
				F800	361 CID (5.9L) OHV	1964-1969	78
				F800	370 CID (6.1L) OHV	1979-1987	91
				F800	389 CID (6.4L) OHV	1978	87



FORD (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
F800	391 CID (6.4L) OHV	1964-1969	78	Fairlane 500	292 CID (4.8L)	1957-1961	74
F800	429 CID (7.0L) OHV	1979-1991	91	Fairlane 500	302 CID (5.0L)	1969-1970	64
F800	475 CID (7.8L)	1978-1979	94	Fairlane 500	312 CID (5.1L)	1957	77
F850	401 CID (6.6L)	1958-1969	94	Fairlane 500	332 CID (5.4L)	1958-1959	80
F850	477 CID (7.8L)	1958-1969	94	Fairlane 500	351 CID (5.8L) 351W Ford Windsor	1969-1970	83
F880	475 CID (7.8L)	1975-1977	94	Fairlane 500	351 CID (5.8L) 351C Ford Cleveland	1970	82
F900	317 CID (5.2L)	1953-1955	67	Fairlane 500	352 CID (5.8L)	1958-1967	86
F900	332 CID (5.4L)	1956-1958	79	Fairlane 500	390 CID (6.4L)	1961-1969	93
F950	401 CID (6.6L)	1958-1969	94	Fairlane 500	427 CID (7.0L) High Performance	1967-1968	97
F950	477 CID (7.8L)	1960-1969	94	Fairlane 500	429 CID (7.0L) Thunder Jet	1968-1970	91
F1000	477 CID (7.8L)	1958-1969	94	Fairmont	140 CID (2.3L) SOHC	1978-1982	25
F1000	534 CID (8.8L)	1960-1969	94	Fairmont	200 CID (3.3L) OHV	1978-1982	44
F1100	477 CID (7.8L)	1958-1965	94	Fairmont	255 CID (4.2L)	1980-1982	64
F1100	534 CID (8.8L)	1960-1965	94	Fairmont	302 CID (5.0L)	1978-1979	64
F6000	401 CID (6.6L) Brazilian - Turbo Diesel	1986-1994	61	Falcon	144 CID (2.4L)	1960-1964	32
F6000	522 CID (8.6L) V150 Caterpillar Diesel	1968-1971	100	Falcon	170 CID (2.8L)	1961-1965	37
F7000	401 CID (6.6L) Brazilian - Turbo Diesel	1987-1993	61	Falcon	200 CID (3.3L) OHV	1965	44
F7000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1993	61	Falcon	260 CID (4.3L)	1963-1964	64
F7000	522 CID (8.6L) V175 Caterpillar Diesel	1968-1975	100	Falcon	289 CID (4.7L)	1965	73
F7000	573 CID (9.4L) V200 Caterpillar Diesel	1968-1975	100	Falcon	144 CID (2.4L)	1960-1964	32
F8000	401 CID (6.6L) Brazilian - Turbo Diesel	1987-1993	61	Falcon	170 CID (2.8L)	1961-1970	37
F8000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1993	61	Falcon	200 CID (3.3L) OHV	1965-1970	44
F-Super Duty	444 CID (7.3L) Indirect Injection Navistar Diesel	1988-1994	96	Falcon	250 CID (4.1L)	1970	55
F-Super Duty	444 CID (7.3L) Indirect Injection Navistar Diesel	1992-1993	96	Falcon	260 CID (4.3L)	1963-1965	64
F-Super Duty	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1994-1997	99	Falcon	289 CID (4.7L)	1965-1968	73
F-Super Duty	460 CID (7.5L)	1988-1997	91	Falcon	302 CID (5.0L)	1968-1970	64
FT800	370 CID (6.1L) OHV	1983-1987	91	Falcon	351 CID (5.8L) 351W Ford Windsor	1970	83
FT800	429 CID (7.0L) OHV	1983-1990	91	Falcon	351 CID (5.8L) 351C Ford Cleveland	1970	82
FT9000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1995	61	Festiva	81 CID/1328CC (1.3L) SOHC Mazda	1988-1993	4
Fairlane	170 CID (2.8L)	1963-1969	37	Fiesta	1599CC (1.6L) OHV	1978-1980	11
Fairlane	200 CID (3.3L) OHV	1963-1969	44	Focus	121 CID (2.0L) Duratec 20 DOHC	2004-2006	17
Fairlane	221 CID (3.6L)	1962-1963	64	Focus	121 CID (2.0L) Duratec 20E PZEV	2005-2006	17
Fairlane	223 CID (3.7L)	1955-1964	46	Focus	122 CID (2.0L) SOHC	2000-2004	13
Fairlane	260 CID (4.3L)	1963-1964	64	Focus	1989CC (2.0L) Zetec/DOHC/16 Valve	2000-2004	20
Fairlane	272 CID (4.5L)	1955-1956	66	Focus	2261CC (2.3L) PZEV DOHC 16 Valve	2003-2004	27
Fairlane	289 CID (4.7L)	1964-1968	73	Focus	2261CC (2.3L) Duratec 23 DOHC	2005-2006	27
Fairlane	292 CID (4.8L)	1955-1962	74	Freestar	238 CID (3.9L) OHV	2004-2007	51
Fairlane	302 CID (5.0L)	1968-1969	64	Freestar	256 CID (4.2L) OHV	2004-2007	51
Fairlane	312 CID (5.1L)	1956	77	GT	1298CC (1.3L) German	1971-1973	3
Fairlane	312 CID (5.1L)	1957	77	Galaxie	260 CID (4.3L)	1963-1964	64
Fairlane	332 CID (5.4L)	1958-1959	80	Galaxie	352 CID (5.8L)	1959-1963	86
Fairlane	351 CID (5.8L) 351W Ford Windsor	1969	83	Galaxie	427 CID (7.0L) High Performance	1963	97
Fairlane	352 CID (5.8L)	1958-1967	86	Galaxie	427 CID (7.0L) Super High Output	1963	98
Fairlane	390 CID (6.4L)	1961-1969	93	Galaxie 500	223 CID (3.7L)	1962-1964	46
Fairlane	427 CID (7.0L) High Performance	1967-1968	97	Galaxie 500	240 CID (4.0L) OHV	1965-1972	52
Fairlane	428 CID (7.0L) Cobra Jet	1969	87	Galaxie 500	260 CID (4.3L)	1963-1964	64
Fairlane 500	170 CID (2.8L)	1961-1970	37	Galaxie 500	289 CID (4.7L)	1963-1967	73
Fairlane 500	200 CID (3.3L) OHV	1963-1970	44	Galaxie 500	292 CID (4.8L)	1962	74
Fairlane 500	221 CID (3.6L)	1962-1963	64	Galaxie 500	302 CID (5.0L)	1968-1972	64
Fairlane 500	223 CID (3.7L)	1957-1964	46	Galaxie 500	351 CID (5.8L) 351W Ford Windsor	1969-1974	83
Fairlane 500	250 CID (4.1L)	1969-1970	55	Galaxie 500	351 CID (5.8L) 351C Ford Cleveland	1971-1974	82
Fairlane 500	260 CID (4.3L)	1963-1964	64	Galaxie 500	390 CID (6.4L)	1962-1970	93
Fairlane 500	272 CID (4.5L)	1957	66	Galaxie 500	400 CID (6.6L) OHV	1971-1974	84
Fairlane 500	289 CID (4.7L)	1963-1968	73				



FORD (Cont.)

MODEL DATA (Cont.)							
Model	Engine	Years	Block	Model	Engine	Years	Block
Galaxie 500	427 CID (7.0L) High Performance	1963-1968	97	LN600	361 CID (5.9L) OHV	1970-1978	78
Galaxie 500	427 CID (7.0L) Super High Output	1963-1968	98	LN600	370 CID (6.1L) OHV	1979-1985	91
Galaxie 500	428 CID (7.0L) Thunderbird	1966-1968	87	LN700	330 CID (5.4L) OHV	1970-1974	78
Galaxie 500	429 CID (7.0L) Thunder Jet	1969-1973	91	LN700	359 CID (5.9L) OHV	1974-1975	87
Gran Torino	250 CID (4.1L)	1972-1974	55	LN700	361 CID (5.9L) OHV	1970-1978	78
Gran Torino	302 CID (5.0L)	1972-1976	64	LN700	370 CID (6.1L) OHV	1979-1985	91
Gran Torino	351 CID (5.8L) 351W Ford Windsor	1972-1976	83	LN700	389 CID (6.4L) OHV	1975-1978	87
Gran Torino	351 CID (5.8L) 351C Ford Cleveland	1972-1974	82	LN700	429 CID (7.0L) OHV	1979-1985	91
Gran Torino	351 CID (5.8L) High Output Ford Cleveland	1972	82	LN750	359 CID (5.9L) OHV	1974-1975	87
Gran Torino	351 CID (5.8L) Cobra Jet Ford Cleveland	1973-1974	82	LN750	361 CID (5.9L) OHV	1970-1977	78
Gran Torino	351 CID (5.8L) 351M	1975-1976	84	LN750	389 CID (6.4L) OHV	1975-1977	87
Gran Torino	400 CID (6.6L) OHV	1972-1976	84	LN750	391 CID (6.4L) OHV	1970-1974	78
Gran Torino	429 CID (7.0L) Thunder Jet	1972-1973	91	LN800	359 CID (5.9L) OHV	1974-1975	87
Gran Torino	460 CID (7.5L)	1973-1976	91	LN800	361 CID (5.9L) OHV	1970-1978	78
Granada	140 CID (2.3L) SOHC	1981-1982	25	LN800	370 CID (6.1L) OHV	1979-1984	91
Granada	200 CID (3.3L) OHV	1975-1982	44	LN800	389 CID (6.4L) OHV	1975-1978	87
Granada	232 CID (3.8L)	1982	49	LN800	391 CID (6.4L) OHV	1970-1974	78
Granada	250 CID (4.1L)	1975-1979	55	LN800	429 CID (7.0L) OHV	1979-1984	91
Granada	255 CID (4.2L)	1980	64	LN800	475 CID (7.8L)	1975-1979	94
Granada	302 CID (5.0L)	1975-1980	64	LN900	401 CID (6.6L)	1970-1975	94
Granada	351 CID (5.8L) 351W Ford Windsor	1975-1977	83	LN900	477 CID (7.8L)	1970-1981	94
Granada	351 CID (5.8L) 351M	1975-1977	84	LN900	534 CID (8.8L)	1970-1981	94
Granada	2551CC (2.6L) German	1975-1976	36	LN6000	522 CID (8.6L) V150 Caterpillar Diesel	1968-1971	100
Grand Marquis	281 CID (4.6L) SOHC	1992-2007	69	LN6000	522 CID (8.6L) V175 Caterpillar Diesel	1968-1975	100
Grand Marquis	302 CID (5.0L)	1980-1991	64	LN7000	401 CID (6.6L) Brazilian - Turbo Diesel	1987-1990	61
Grand Marquis	351 CID (5.8L) 351W Ford Windsor	1979-1989	83	LN7000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1988	61
Grand Marquis	400 CID (6.6L) OHV	1975-1978	84	LN8000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1993	61
Grand Marquis	460 CID (7.5L)	1975-1978	91	LN8000	522 CID (8.6L) V175 Caterpillar Diesel	1968-1975	100
H1000	401 CID (6.6L)	1961-1964	94	LN8000	573 CID (9.4L) V200 Caterpillar Diesel	1968-1975	100
H1000	477 CID (7.8L)	1961-1966	94	LN8000	636 CID (10.4L) V225 Caterpillar Diesel	1970-1976	100
H1000	534 CID (8.8L)	1961-1966	94	LN-7	98 CID (1.6L) SOHC	1982-1983	8
HT850	401 CID (6.6L)	1961-1962	94	LN-7	98 CID (1.6L) SOHC High Output	1983	8
HT850	477 CID (7.8L)	1961-1962	94	LNT800	330 CID (5.4L) OHV	1970-1971	78
HT850	534 CID (8.8L)	1961-1962	94	LNT800	359 CID (5.9L) OHV	1974-1975	87
HT950	401 CID (6.6L)	1961-1966	94	LNT800	361 CID (5.9L) OHV	1970-1974	78
HT950	477 CID (7.8L)	1961-1966	94	LNT800	370 CID (6.1L) OHV	1979-1984	91
HT950	534 CID (8.8L)	1961-1966	94	LNT800	389 CID (6.4L) OHV	1975-1978	87
L800	359 CID (5.9L) OHV	1974-1975	87	LNT800	391 CID (6.4L) OHV	1970-1974	78
L800	361 CID (5.9L) OHV	1971-1978	78	LNT800	429 CID (7.0L) OHV	1979-1984	91
L800	370 CID (6.1L) OHV	1979-1984	91	LNT800	475 CID (7.8L)	1975-1979	94
L800	389 CID (6.4L) OHV	1975-1978	87	LNT800	475 CID (7.8L)	1973-1977	94
L800	391 CID (6.4L) OHV	1971-1974	78	LNT900	401 CID (6.6L)	1971-1975	94
L800	429 CID (7.0L) OHV	1979-1984	91	LNT900	477 CID (7.8L)	1971-1981	94
L800	475 CID (7.8L)	1975-1979	94	LNT900	534 CID (8.8L)	1971-1981	94
L900	401 CID (6.6L)	1970-1975	94	LNT8000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1993	61
L900	477 CID (7.8L)	1970-1981	94	LNT8000	522 CID (8.6L) V175 Caterpillar Diesel	1968-1975	100
L900	534 CID (8.8L)	1970-1981	94	LNT8000	573 CID (9.4L) V200 Caterpillar Diesel	1968-1975	100
L8000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1993	61	LNT8000	636 CID (10.4L) V225 Caterpillar Diesel	1970-1976	100
L8000	573 CID (9.4L) V200 Caterpillar Diesel	1968-1975	100	LS8000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1993	61
L8000	636 CID (10.4L) V225 Caterpillar Diesel	1970-1976	100	LS	181 CID/2967CC (3.0L) DOHC 24 Valve Lincoln	2000-2005	34
L9000	474 CID (7.8L) Brazilian - Turbo Diesel	1988-1991	61	LT800	330 CID (5.4L) OHV	1970-1971	78
LA8000 Aeromax	474 CID (7.8L) Brazilian - Turbo Diesel	1990-1993	61	LT800	359 CID (5.9L) OHV	1974-1975	87
LN500	300 CID (4.9L)	1970-1971	57	LT800	361 CID (5.9L) OHV	1970-1974	78
LN500	330 CID (5.4L) OHV	1970-1971	78	LT800	370 CID (6.1L) OHV	1979-1984	91
LN600	300 CID (4.9L)	1970-1974	57	LT800	389 CID (6.4L) OHV	1975-1978	87
LN600	330 CID (5.4L) OHV	1970-1978	78				
LN600	359 CID (5.9L) OHV	1974-1975	87				



FORD (Cont.)							
MODEL DATA (Cont.)							
Model	Engine	Years	Block	Model	Engine	Years	Block
LT800	391 CID (6.4L) OHV	1970-1974	78	M450	460 CID (7.5L)	1973-1976	91
LT800	429 CID (7.0L) OHV	1979-1984	91	M500	390 CID (6.4L)	1972-1976	93
LT800	475 CID (7.8L)	1975-1979	94	Mainline	215 CID (3.5L)	1952-1953	45
LT880	475 CID (7.8L)	1975-1977	94	Mainline	223 CID (3.7L)	1954-1956	46
LT900	401 CID (6.6L)	1971-1975	94	Mainline	239 CID (3.9L) L-Head	1952-1953	65
LT900	477 CID (7.8L)	1971-1981	94	Mainline	239 CID (3.9L) OHV	1954	66
LT900	534 CID (8.8L)	1971-1981	94	Mainline	256 CID (4.2L)	1954	66
LT8000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1993	61	Mainline	272 CID (4.5L)	1955-1956	66
LT8000	522 CID (8.6L) V175 Caterpillar Diesel	1968-1975	100	Mainline	292 CID (4.8L)	1955	74
LT8000	573 CID (9.4L) V200 Caterpillar Diesel	1968-1975	100	Mainline	312 CID (5.1L)	1956	77
LT8000	636 CID (10.4L) V225 Caterpillar Diesel	1970-1976	100	Marauder	281 CID (4.6L) DOHC	2003-2004	68
LTD	140 CID (2.3L) SOHC	1983-1986	25	Marauder	390 CID (6.4L)	1963-1965	93
LTD	140 CID (2.3L) SOHC	1983-1985	16	Marauder	406 CID (6.7L)	1963	95
LTD	200 CID (3.3L) OHV	1983	44	Marauder	427 CID (7.0L) High Performance	1964	97
LTD	232 CID (3.8L)	1983-1986	49	Marauder	427 CID (7.0L) Super High Output	1964-1965	98
LTD	255 CID (4.2L)	1981-1982	64	Marauder	429 CID (7.0L) Thunder Jet	1969-1970	91
LTD	289 CID (4.7L)	1967-1968	73	Marauder X-100	429 CID (7.0L) Thunder Jet	1969-1970	91
LTD	302 CID (5.0L)	1968-1982	64	Mariner	2261CC (2.3L) PZEV DOHC 16 Valve	2005-2006	27
LTD	302 CID (5.0L) High Output	1984-1985	64	Mariner	2261CC (2.3L) Duratec 23 DOHC	2005-2008	27
LTD	351 CID (5.8L) 351W Ford Windsor	1969-1982	83	Mark III	460 CID (7.5L)	1968-1971	91
LTD	351 CID (5.8L) 351C Ford Cleveland	1971-1974	82	Mark IV	460 CID (7.5L)	1972-1976	91
LTD	351 CID (5.8L) 351M	1975-1979	84	Mark V	400 CID (6.6L) OHV	1977-1979	84
LTD	390 CID (6.4L)	1967-1970	93	Mark V	460 CID (7.5L)	1977-1978	91
LTD	400 CID (6.6L) OHV	1971-1978	84	Mark VI	302 CID (5.0L)	1980-1982	64
LTD	427 CID (7.0L) High Performance	1967-1968	97	Mark VI	351 CID (5.8L) 351W Ford Windsor	1980-1983	83
LTD	429 CID (7.0L) Thunder Jet	1968-1973	91	Mark VII	302 CID (5.0L)	1984-1986	64
LTD	460 CID (7.5L)	1969-1978	91	Mark VII	302 CID (5.0L) High Output	1985-1992	64
LTD Country Squire	302 CID (5.0L)	1983-1991	64	Mark VIII	281 CID (4.6L) DOHC	1993-1998	68
LTD II	302 CID (5.0L)	1977-1979	64	Marquis	140 CID (2.3L) SOHC	1983-1986	25
LTD II	351 CID (5.8L) 351W Ford Windsor	1977-1979	83	Marquis	140 CID (2.3L) SOHC	1983-1985	16
LTD II	351 CID (5.8L) 351M	1977-1979	84	Marquis	200 CID (3.3L) OHV	1983	44
LTD II	400 CID (6.6L) OHV	1977-1978	84	Marquis	232 CID (3.8L)	1983-1986	49
LTS800	330 CID (5.4L) OHV	1971	78	Marquis	255 CID (4.2L)	1981-1982	64
LTS800	359 CID (5.9L) OHV	1974-1975	87	Marquis	302 CID (5.0L)	1979-1982	64
LTS800	361 CID (5.9L) OHV	1971-1974	78	Marquis	302 CID (5.0L) High Output	1985	64
LTS800	370 CID (6.1L) OHV	1979-1983	91	Marquis	351 CID (5.8L) 351W Ford Windsor	1975-1982	83
LTS800	389 CID (6.4L) OHV	1975-1978	87	Marquis	351 CID (5.8L) 351M	1975-1978	84
LTS800	391 CID (6.4L) OHV	1971-1974	78	Marquis	390 CID (6.4L)	1967-1969	93
LTS800	429 CID (7.0L) OHV	1979-1983	91	Marquis	400 CID (6.6L) OHV	1971-1978	84
LTS800	475 CID (7.8L)	1975-1979	94	Marquis	410 CID (6.7L)	1967	87
LTS900	401 CID (6.6L)	1971-1975	94	Marquis	427 CID (7.0L) High Performance	1967	97
LTS900	477 CID (7.8L)	1971-1981	94	Marquis	428 CID (7.0L) Cobra Jet	1967-1969	87
LTS900	534 CID (8.8L)	1971-1981	94	Marquis	429 CID (7.0L) Thunder Jet	1969-1973	91
LTS8000	474 CID (7.8L) Brazilian - Turbo Diesel	1987-1993	61	Marquis	429 CID (7.0L) Super Cobra Jet	1971	91
LTS8000	522 CID (8.6L) V175 Caterpillar Diesel	1968-1975	100	Marquis	460 CID (7.5L)	1972-1978	91
LTS8000	573 CID (9.4L) V200 Caterpillar Diesel	1968-1975	100	Maverick	170 CID (2.8L)	1969-1973	37
LTS8000	636 CID (10.4L) V225 Caterpillar Diesel	1970-1976	100	Maverick	200 CID (3.3L) OHV	1969-1977	44
Lynx	98 CID (1.6L) SOHC	1981-1985	8	Maverick	250 CID (4.1L)	1969-1977	55
Lynx	98 CID (1.6L) SOHC High Output	1983-1985	8	Maverick	302 CID (5.0L)	1969-1977	64
Lynx	98 CID (1.6L) SOHC	1984	8	Medalist	312 CID (5.1L)	1956	77
Lynx	116 CID (1.9L) SOHC	1985-1987	14	Mercury	239 CID (3.9L) L-Head	1939-1948	65
Lynx	122 CID (2.0L) SOHC Mazda Diesel	1984-1987	19	Mercury	255 CID (4.2L) L-Head	1949-1951	65
M400	360 CID (5.9L)	1972-1976	87	Meteor	170 CID (2.8L)	1962-1963	37
M400	390 CID (6.4L)	1972-1976	93	Meteor	200 CID (3.3L) OHV	1963	44
M450	360 CID (5.9L)	1973-1976	87	Meteor	221 CID (3.6L)	1962-1963	64
M450	390 CID (6.4L)	1973-1976	93	Meteor	223 CID (3.7L)	1961	46
				Meteor	260 CID (4.3L)	1962-1963	64
				Meteor	292 CID (4.8L)	1961	74
				Model 01A	221 CID (3.6L)	1940	63
				Model 11A	221 CID (3.6L)	1941	63
				Model 022A	221 CID (3.6L)	1940	63
				Model 78	221 CID (3.6L)	1937	63



FORD (Cont.)

MODEL DATA (Cont.)							
Model	Engine	Years	Block	Model	Engine	Years	Block
Model 81A	221 CID (3.6L)	1938	63	Monterey	256 CID (4.2L)	1954	66
Model 82A	221 CID (3.6L)	1938	63	Monterey	256 CID (4.2L) OHV	2004-2007	51
Model 91A	221 CID (3.6L)	1939	63	Monterey	292 CID (4.8L)	1955-1962	74
Model 922A	221 CID (3.6L)	1939	63	Monterey	312 CID (5.1L)	1956-1960	77
Monarch	200 CID (3.3L) OHV	1975-1977	44	Monterey	351 CID (5.8L) 351W Ford Windsor	1972-1973	83
Monarch	250 CID (4.1L)	1975-1979	55	Monterey	351 CID (5.8L) 351C Ford Cleveland	1971-1973	82
Monarch	255 CID (4.2L)	1980	64	Monterey	352 CID (5.8L)	1961-1962	86
Monarch	302 CID (5.0L)	1975-1980	64	Monterey	368 CID (6.0L)	1957	90
Monarch	351 CID (5.8L) 351W Ford Windsor	1975-1977	83	Monterey	383 CID (6.3L)	1958-1960	92
Monarch	351 CID (5.8L) 351M	1975-1977	84	Monterey	390 CID (6.4L)	1961-1970	93
Montclair	292 CID (4.8L)	1955	74	Monterey	400 CID (6.6L) OHV	1971-1974	84
Montclair	312 CID (5.1L)	1956-1957	77	Monterey	406 CID (6.7L)	1962-1963	95
Montclair	368 CID (6.0L)	1957	90	Monterey	410 CID (6.7L)	1966-1967	87
Montclair	383 CID (6.3L)	1958	92	Monterey	427 CID (7.0L) High Performance	1963-1964	97
Montclair	430 CID (7.0L)	1958-1960	92	Monterey	427 CID (7.0L) Super High Output	1963-1967	98
Montego	200 CID (3.3L) OHV	1968	44	Monterey	428 CID (7.0L) Thunderbird	1966-1968	87
Montego	250 CID (4.1L)	1969-1973	55	Monterey	428 CID (7.0L) Cobra Jet	1968-1969	87
Montego	302 CID (5.0L)	1968-1973	64	Monterey	429 CID (7.0L) Thunder Jet	1969-1973	91
Montego	351 CID (5.8L) 351W Ford Windsor	1969-1976	83	Monterey	429 CID (7.0L) Cobra Jet	1971	91
Montego	351 CID (5.8L) 351C Ford Cleveland	1970-1974	82	Monterey	430 CID (7.0L)	1958-1960	92
Montego	351 CID (5.8L) Cobra Jet Ford Cleveland	1973-1974	82	Monterey	460 CID (7.5L)	1972-1974	91
Montego	351 CID (5.8L) 351M	1975-1976	84	Mountaineer	244 CID (4.0L) SOHC	1998-2006	54
Montego	390 CID (6.4L)	1968-1969	93	Mountaineer	244 CID (4.0L) SOHC	2002-2006	54
Montego	400 CID (6.6L) OHV	1972-1976	84	Mountaineer	281 CID (4.6L) SOHC	2002-2005	69
Montego	427 CID (7.0L) High Performance	1968	97	Mountaineer	302 CID (5.0L)	1997-2001	64
Montego	428 CID (7.0L) Cobra Jet	1968-1969	87	Mustang	140 CID (2.3L) SOHC	1980-1992	25
Montego	429 CID (7.0L) Thunder Jet	1969-1973	91	Mustang	140 CID (2.3L) SOHC	1979-1981	16
Montego	429 CID (7.0L) Cobra Jet	1970-1971	91	Mustang	140 CID (2.3L) Special Vehicle Operation	1984-1986	16
Montego	429 CID (7.0L) Super Cobra Jet	1971	91	Mustang	170 CID (2.8L)	1965	37
Montego	460 CID (7.5L)	1974-1976	91	Mustang	171 CID (2.8L) German	1979	38
Montego MX	200 CID (3.3L) OHV	1968	44	Mustang	200 CID (3.3L) OHV	1965-1981	44
Montego MX	250 CID (4.1L)	1969-1973	55	Mustang	232 CID (3.8L)	1983-2004	49
Montego MX	302 CID (5.0L)	1968-1969	64	Mustang	238 CID (3.9L) OHV	2004	51
Montego MX	351 CID (5.8L) 351W Ford Windsor	1969-1976	83	Mustang	244 CID (4.0L) SOHC	2005-2008	54
Montego MX	351 CID (5.8L) 351C Ford Cleveland	1970-1974	82	Mustang	250 CID (4.1L)	1969-1973	55
Montego MX	351 CID (5.8L) Cobra Jet Ford Cleveland	1973-1974	82	Mustang	255 CID (4.2L)	1980-1981	64
Montego MX	351 CID (5.8L) 351M	1975-1976	84	Mustang	260 CID (4.3L)	1965	64
Montego MX	390 CID (6.4L)	1968-1969	93	Mustang	281 CID (4.6L) SOHC	1996-2004	69
Montego MX	400 CID (6.6L) OHV	1972-1976	84	Mustang	281 CID (4.6L) DOHC	1996-2004	68
Montego MX	427 CID (7.0L) High Performance	1968	97	Mustang	281 CID (4.6L) DOHC	2003-2004	68
Montego MX	428 CID (7.0L) Cobra Jet	1968-1969	87	Mustang	281 CID (4.6L) SOHC 24 Valve	2005-2008	72
Montego MX	429 CID (7.0L) Thunder Jet	1969-1973	91	Mustang	289 CID (4.7L)	1965-1968	73
Montego MX	429 CID (7.0L) Cobra Jet	1970-1971	91	Mustang	302 CID (5.0L)	1968-1973	64
Montego MX	429 CID (7.0L) Super Cobra Jet	1971	91	Mustang	302 CID (5.0L) Boss	1969-1971	75
Montego MX	460 CID (7.5L)	1974-1976	91	Mustang	302 CID (5.0L) High Output	1982-1995	64
Montego MX Brougham	250 CID (4.1L)	1970-1973	55	Mustang	351 CID (5.8L) 351W Ford Windsor	1969-1973	83
Montego MX Brougham	302 CID (5.0L)	1971-1974	64	Mustang	351 CID (5.8L) 351C Ford Cleveland	1970-1973	82
Montego MX Brougham	351 CID (5.8L) 351W Ford Windsor	1970-1976	83	Mustang	351 CID (5.8L) Boss Ford Cleveland	1971	82
Montego MX Brougham	351 CID (5.8L) 351C Ford Cleveland	1970-1974	82	Mustang	351 CID (5.8L) High Output Ford Cleveland	1972	82
Montego MX Brougham	351 CID (5.8L) Cobra Jet Ford Cleveland	1973	82	Mustang	351 CID (5.8L) High Output Cobra	1995	85
Montego MX Brougham	351 CID (5.8L) 351M	1975-1976	84	Mustang	390 CID (6.4L)	1967-1969	93
Montego MX Brougham	400 CID (6.6L) OHV	1972-1976	84	Mustang	427 CID (7.0L) High Performance	1968	97
Montego MX Brougham	429 CID (7.0L) Thunder Jet	1970-1973	91	Mustang	428 CID (7.0L) Cobra Jet	1968-1970	87
Montego MX Brougham	429 CID (7.0L) Cobra Jet	1970-1971	91	Mustang	428 CID (7.0L) Super Cobra Jet	1969-1970	87
Montego MX Brougham	429 CID (7.0L) Super Cobra Jet	1971	91	Mustang	429 CID (7.0L) Boss	1969-1970	91
Montego MX Brougham	460 CID (7.5L)	1975-1976	91	Mustang	429 CID (7.0L) Cobra Jet	1971	91
Monterey	223 CID (3.7L)	1962	46	Mustang	429 CID (7.0L) Super Cobra Jet	1971	91
Monterey	255 CID (4.2L) L-Head	1950-1953	65	Mustang II	140 CID (2.3L) SOHC	1974-1978	25



FORD (Cont.)							
MODEL DATA (Cont.)							
Model	Engine	Years	Block	Model	Engine	Years	Block
Mustang II	171 CID (2.8L) German	1974-1978	38	P550	390 CID (6.4L)	1975-1976	93
Mustang II	302 CID (5.0L)	1974-1978	64	P600	300 CID (4.9L)	1975-1979	57
Mystique	155 CID (2.5L) Duratec/DOHC/24 Valve	1995-2000	34	P3500	159 CID (2.6L) 3-53N Detroit Diesel Diesel	1973-1976	1
Mystique	1989CC (2.0L) Zetec/DOHC/16 Valve	1995-2000	20	P3500	220 CID (3.6L) Dagenham Diesel	1963-1966	31
N500	223 CID (3.7L)	1963-1964	46	P4000	159 CID (2.6L) 3-53N Detroit Diesel Diesel	1973-1976	1
N500	240 CID (4.0L) OHV	1965-1969	52	P4000	220 CID (3.6L) Dagenham Diesel	1963-1966	31
N500	292 CID (4.8L)	1963-1964	74	P5000	159 CID (2.6L) 3-53N Detroit Diesel Diesel	1972-1973	1
N500	300 CID (4.9L)	1965-1969	57	P5000	220 CID (3.6L) Dagenham Diesel	1963-1966	31
N500	330 CID (5.4L) OHV	1965-1969	78	Pacer	361 CID (5.9L) Super Express	1958	88
N600	223 CID (3.7L)	1963-1964	46	Parklane	390 CID (6.4L)	1964-1968	93
N600	240 CID (4.0L) OHV	1965-1967	52	Parklane	410 CID (6.7L)	1966-1967	87
N600	292 CID (4.8L)	1963	74	Parklane	427 CID (7.0L) High Performance	1967	97
N600	300 CID (4.9L)	1965-1969	57	Parklane	428 CID (7.0L) Thunderbird	1966-1968	87
N600	330 CID (5.4L) OHV	1964-1969	78	Parklane	430 CID (7.0L)	1958-1960	92
N600	361 CID (5.9L) OHV	1964-1969	78	Pinto	98 CID (1.6L) OHV	1971-1973	7
N700	292 CID (4.8L)	1963	74	Pinto	122 CID (2.0L) SOHC	1971-1974	10
N700	330 CID (5.4L) OHV	1964-1969	78	Pinto	140 CID (2.3L) SOHC	1974-1979	25
N700	361 CID (5.9L) OHV	1964-1969	78	Pinto	171 CID (2.8L) German	1975-1979	38
N850	401 CID (6.6L)	1963-1969	94	Prefect	997CC (1.0L) OHV	1960-1967	2
N850	477 CID (7.8L)	1963-1969	94	Premier	368 CID (6.0L)	1956-1957	90
N950	401 CID (6.6L)	1963-1969	94	Premier	430 CID (7.0L)	1958-1960	92
N950	477 CID (7.8L)	1963-1969	94	Probe	122 CID (2.0L) DOHC Mazda	1993-1997	18
N1000	332 CID (5.4L)	1963	79	Probe	134 CID (2.2L) SOHC Mazda	1989-1992	22
N1000	361 CID (5.9L) OHV	1964-1969	78	Probe	134 CID (2.2L) SOHC Mazda	1989-1992	22
N1000	391 CID (6.4L) OHV	1964-1969	78	Probe	153 CID (2.5L) DOHC Mazda	1993-1997	33
N1000	477 CID (7.8L)	1963-1969	94	Probe	183 CID (3.0L) OHV	1990-1992	41
N1000	534 CID (8.8L)	1963-1969	94	Ranch Wagon	223 CID (3.7L)	1955-1959	46
N6000	330 CID (5.4L) Dagenham Diesel	1963-1966	58	Ranch Wagon	272 CID (4.5L)	1955-1957	66
N6000	522 CID (8.6L) V150 Caterpillar Diesel	1968-1969	100	Ranch Wagon	292 CID (4.8L)	1955-1959	74
N7000	330 CID (5.4L) Dagenham Diesel	1963-1966	58	Ranch Wagon	312 CID (5.1L)	1956	77
N7000	522 CID (8.6L) V175 Caterpillar Diesel	1968-1969	100	Ranch Wagon	332 CID (5.4L)	1958-1959	80
NT850	401 CID (6.6L)	1963-1969	94	Ranch Wagon	352 CID (5.8L)	1958-1962	86
NT850	477 CID (7.8L)	1963-1969	94	Ranchero	200 CID (3.3L) OHV	1966-1968	44
NT950	401 CID (6.6L)	1963-1969	94	Ranchero	250 CID (4.1L)	1969-1974	55
NT950	477 CID (7.8L)	1963-1969	94	Ranchero	289 CID (4.7L)	1966-1968	73
Navigator	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1998-1999	71	Ranchero	302 CID (5.0L)	1969-1974	64
Navigator	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1998-1999	71	Ranchero	351 CID (5.8L) 351W Ford Windsor	1969-1979	83
Navigator	330 CID (5.4L) Triton DOHC Ford Windsor	1999-2001	71	Ranchero	351 CID (5.8L) 351C Ford Cleveland	1970-1974	82
P100	144 CID (2.4L)	1960-1964	32	Ranchero	351 CID (5.8L) 351M	1975-1979	84
P100	170 CID (2.8L)	1961-1967	37	Ranchero	390 CID (6.4L)	1967-1969	93
P100	223 CID (3.7L)	1957-1964	46	Ranchero	400 CID (6.6L) OHV	1972-1978	84
P100	240 CID (4.0L) OHV	1965-1967	52	Ranchero	428 CID (7.0L) Cobra Jet	1968-1969	87
P100	300 CID (4.9L)	1965	57	Ranchero	429 CID (7.0L) Thunder Jet	1970-1973	91
P350	215 CID (3.5L)	1953	45	Ranchero	429 CID (7.0L) Cobra Jet	1970-1973	91
P350	223 CID (3.7L)	1954-1964	46	Ranchero	460 CID (7.5L)	1974-1976	91
P350	239 CID (3.9L) L-Head	1953-1955	65	Ranger	223 CID (3.7L)	1959	46
P350	240 CID (4.0L) OHV	1965-1972	52	Ranger	292 CID (4.8L)	1959	74
P350	272 CID (4.5L)	1956-1958	66	Ranger	332 CID (5.4L)	1959	80
P350	292 CID (4.8L)	1959-1964	74	Ranger	352 CID (5.8L)	1960	86
P350	300 CID (4.9L)	1965-1977	57	Ranger	361 CID (5.9L) Super Express	1958-1959	88
P400	223 CID (3.7L)	1957-1964	46	Ranger	121 CID (2.0L)	1983-1988	16
P400	240 CID (4.0L) OHV	1965-1972	52	Ranger	134 CID (2.2L) SOHC 8 Valve Mazda Diesel	1983-1984	23
P400	272 CID (4.5L)	1957-1958	66	Ranger	140 CID (2.3L) SOHC	1983-1997	25
P400	292 CID (4.8L)	1959-1964	74	Ranger	140 CID (2.3L) SOHC Mitsubishi Diesel	1985-1987	26
P400	300 CID (4.9L)	1965-1976	57	Ranger	153 CID (2.5L) SOHC	1998-2001	30
P450	360 CID (5.9L)	1975-1976	87	Ranger	171 CID (2.8L) German	1983-1986	38
P500	215 CID (3.5L)	1953	45	Ranger	177 CID (2.9L) OHV	1986-1992	39
P500	223 CID (3.7L)	1954-1964	46	Ranger	183 CID (3.0L) OHV	1990-2008	41
P500	240 CID (4.0L) OHV	1965-1972	52	Ranger	183 CID (3.0L) FFV/OHV	1999-2003	41
P500	272 CID (4.5L)	1957-1958	66	Ranger	244 CID (4.0L) OHV	1990-2000	53
P500	292 CID (4.8L)	1959-1964	74	Ranger	244 CID (4.0L) SOHC	2001-2008	54
P500	300 CID (4.9L)	1965-1977	57				



FORD (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Roundup	361 CID (5.9L) Super Express	1958	88	Thunderbird	140 CID (2.3L) SOHC	1989	25
S-55	428 CID (7.0L) Thunderbird	1966	87	Thunderbird	140 CID (2.3L) SOHC	1983-1988	16
Sable	153 CID (2.5L) High Swirl	1986	29	Thunderbird	200 CID (3.3L) OHV	1980-1982	44
	Combustion			Thunderbird	232 CID (3.8L)	1982-1997	49
Sable	181 CID/2967CC (3.0L)	1996-2005	34	Thunderbird	232 CID (3.8L)	1989-1995	50
	Duratec/DOHC/24 Valve			Thunderbird	255 CID (4.2L)	1980-1982	64
Sable	183 CID (3.0L) OHV	1986-2005	41	Thunderbird	281 CID (4.6L) SOHC	1994-1997	69
Sable	183 CID (3.0L) OHV	2001	41	Thunderbird	292 CID (4.8L)	1955	74
Sable	232 CID (3.8L)	1988-1995	49	Thunderbird	302 CID (5.0L)	1977-1988	64
Scorpio	2900CC (2.9L) Merkur	1988-1990	40	Thunderbird	302 CID (5.0L) High Output	1991-1992	64
Super Deluxe	221 CID (3.6L)	1941-1942	63	Thunderbird	312 CID (5.1L)	1956	77
Super Deluxe	239 CID (3.9L) L-Head	1946-1948	65	Thunderbird	312 CID (5.1L)	1957	77
Super Wagon E150	300 CID (4.9L)	1978-1982	57	Thunderbird	332 CID (5.4L)	1959	80
Super Wagon E150	302 CID (5.0L)	1980-1983	64	Thunderbird	351 CID (5.8L) 351W Ford	1977-1979	83
Super Wagon E150	351 CID (5.8L) 351W Ford	1978-1983	83		Windsor		
	Windsor			Thunderbird	351 CID (5.8L) 351M	1977-1979	84
Super Wagon E150	351 CID (5.8L) 351M	1978-1982	84	Thunderbird	352 CID (5.8L)	1958-1959	86
Super Wagon E250	300 CID (4.9L)	1978-1979	57	Thunderbird	390 CID (6.4L)	1961-1969	93
Super Wagon E250	300 CID (4.9L)	1983	57	Thunderbird	400 CID (6.6L) OHV	1977-1978	84
Super Wagon E250	302 CID (5.0L)	1979	64	Thunderbird	428 CID (7.0L) Thunderbird	1966-1968	87
Super Wagon E250	351 CID (5.8L) 351W Ford	1978-1979	83	Thunderbird	428 CID (7.0L) Cobra Jet	1966-1968	87
	Windsor			Thunderbird	429 CID (7.0L) Thunder Jet	1968-1973	91
Super Wagon E250	351 CID (5.8L) 351M	1978-1980	84	Thunderbird	460 CID (7.5L)	1972-1976	91
Super Wagon E250	400 CID (6.6L) OHV	1980	84	Topaz	122 CID (2.0L) SOHC Mazda	1984-1986	19
Super Wagon E250	420 CID (6.9L) Navistar Diesel	1983	96		Diesel		
Super Wagon E250	460 CID (7.5L)	1978-1979	91	Topaz	140 CID (2.3L) High Swirl	1984-1994	24
Super Wagon E350	300 CID (4.9L)	1978-1982	57		Combustion		
Super Wagon E350	351 CID (5.8L) 351W Ford	1978-1983	83	Topaz	183 CID (3.0L) OHV	1992-1994	41
	Windsor			Torino	200 CID (3.3L) OHV	1968-1969	44
Super Wagon E350	351 CID (5.8L) 351M	1978-1982	84	Torino	250 CID (4.1L)	1969-1974	55
Super Wagon E350	400 CID (6.6L) OHV	1980-1982	84	Torino	289 CID (4.7L)	1968	73
Super Wagon E350	420 CID (6.9L) Navistar Diesel	1983	96	Torino	302 CID (5.0L)	1968-1975	64
Super Wagon E350	460 CID (7.5L)	1978-1983	91	Torino	351 CID (5.8L) 351W Ford	1969-1976	83
T700	272 CID (4.5L)	1957-1958	66		Windsor		
T700	292 CID (4.8L)	1958-1962	74	Torino	351 CID (5.8L) 351C Ford	1970-1974	82
T700	302 CID (5.0L) OHV	1963	76		Cleveland		
T700	330 CID (5.4L) OHV	1964-1966	78	Torino	351 CID (5.8L) Cobra Jet Ford	1973-1974	82
T750	332 CID (5.4L)	1956-1963	79		Cleveland		
T750	361 CID (5.9L) OHV	1964-1966	78	Torino	351 CID (5.8L) 351M	1975-1976	84
T800	332 CID (5.4L)	1957-1963	79	Torino	390 CID (6.4L)	1968-1969	93
T800	361 CID (5.9L) OHV	1964-1969	78	Torino	400 CID (6.6L) OHV	1971-1976	84
T800	391 CID (6.4L) OHV	1964-1969	78	Torino	427 CID (7.0L) High	1968	97
T850	401 CID (6.6L)	1958-1969	94		Performance		
T850	477 CID (7.8L)	1958-1969	94	Torino	428 CID (7.0L) Cobra Jet	1968	87
T850	534 CID (8.8L)	1958-1969	94	Torino	429 CID (7.0L) Thunder Jet	1972-1973	91
T950	401 CID (6.6L)	1958-1969	94	Torino	429 CID (7.0L) Special	1970	91
T950	477 CID (7.8L)	1958-1969	94	Torino	429 CID (7.0L) Cobra Jet	1970-1971	91
Taurus	1498CC (1.5L) OHV	1963-1966	5	Torino	460 CID (7.5L)	1973-1976	91
Taurus	1593CC (1.6L) British	1972-1982	10	Town Car	281 CID (4.6L) SOHC	1991-2007	69
Taurus	1699CC (1.7L) OHV	1963-1971	5	Town Car	302 CID (5.0L)	1981-1990	64
Taurus	153 CID (2.5L) High Swirl	1986-1991	29	Town Car	302 CID (5.0L) High Output	1984-1985	64
	Combustion			Tracer	98 CID (1.6L) SOHC	1987	9
Taurus	181 CID/2967CC (3.0L)	1996-2005	34	Tracer	98 CID (1.6L) SOHC Mazda	1988-1989	6
	Duratec/DOHC/24 Valve			Tracer	112 CID (1.8L) DOHC Mazda	1991-1996	6
Taurus	183 CID (3.0L) OHV	1986-2007	41	Tracer	116 CID (1.9L) SOHC	1991-1996	14
Taurus	183 CID (3.0L) SHO DOHC	1989-1995	42	Tracer	122 CID (2.0L) SOHC	1997-1999	13
	Yamaha			Turnpike Cruiser	368 CID (6.0L)	1957	90
Taurus	183 CID (3.0L) OHV	1993-2006	41	Turnpike Cruiser	430 CID (7.0L)	1958	92
Taurus	195 CID (3.2L) SHO DOHC	1993-1995	42	Versailles	302 CID (5.0L)	1977-1980	64
	Yamaha			Versailles	351 CID (5.8L) 351W Ford	1977	83
Taurus	207 CID (3.4L) DOHC	1996-1999	62		Windsor		
Taurus	232 CID (3.8L)	1988-1995	49	Villager	200 CID (3.3L) OHV	1966-1967	44
Tempo	122 CID (2.0L) SOHC Mazda	1984-1986	19	Villager	223 CID (3.7L)	1959	46
	Diesel			Villager	289 CID (4.7L)	1966-1967	73
Tempo	140 CID (2.3L) High Swirl	1984-1994	24	Villager	292 CID (4.8L)	1960	74
	Combustion			Villager	332 CID (5.4L)	1959	80
Tempo	183 CID (3.0L) OHV	1992-1994	41	Villager	352 CID (5.8L)	1960	86
Thames Trader	220 CID (3.6L) Dagenham Diesel	1952-1966	31	Villager	361 CID (5.9L) Super Express	1958-1959	88
Thames Trader	330 CID (5.4L) 590E Dagenham	1957-1966	58	Villager	390 CID (6.4L)	1966-1967	93
	Diesel						



FORD (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Villager	2960CC (3.0L) VG30E SOHC Nissan	1993-1998	43	Wagon E350 Super Duty	460 CID (7.5L)	1996	91
Villager	3275CC (3.3L) SOHC Nissan	1999-2002	43	Wagon E350 Super Duty Ext.	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1999-2004	71
Voyager	200 CID (3.3L) OHV	1966-1967	44	Wagon E350 Super Duty Ext.	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1999-2004	71
Voyager	289 CID (4.7L)	1966-1967	73	Wagon E350 Super Duty Ext.	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1999-2001	71
Voyager	312 CID (5.1L)	1957	77	Wagon E350 Super Duty Ext.	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2004	89
Voyager	368 CID (6.0L)	1957	90	Wagon E350 Super Duty Ext.	415 CID (6.8L) SOHC 20 Valve Ford Windsor	1999-2004	101
Voyager	383 CID (6.3L)	1958	92	Wagon E350 Super Duty Ext.	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1999-2003	99
Voyager	390 CID (6.4L)	1966-1967	93	Windstar	183 CID (3.0L) OHV	1995-2000	41
Voyager	430 CID (7.0L)	1958-1959	92	Windstar	232 CID (3.8L)	1995-2003	49
Wagon E350 Super Duty	300 CID (4.9L)	1996	57	XR4Ti	140 CID (2.3L) SOHC	1985-1989	16
Wagon E350 Super Duty	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1997-2008	71	Zephyr	1993CC (2.0L) OHC	1966-1976	10
Wagon E350 Super Duty	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1997-2004	71	Zephyr	140 CID (2.3L) SOHC	1978-1982	25
Wagon E350 Super Duty	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor	1998-2001	71	Zephyr	200 CID (3.3L) OHV	1978-1982	44
Wagon E350 Super Duty	351 CID (5.8L) 351W Ford Windsor	1996	83	Zephyr	255 CID (4.2L)	1980-1982	64
Wagon E350 Super Duty	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Diesel	2004-2008	89	Zephyr	302 CID (5.0L)	1978-1979	64
Wagon E350 Super Duty	415 CID (6.8L) SOHC 20 Valve Ford Windsor	1997-2006	101				
Wagon E350 Super Duty	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Diesel	1996-2003	99				

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
0CB	3.307in./84mm	53	C1AE-B	3.781in./96mm	95	C3TE	4.031in./102.4mm	56	C9DE-A	3.906in./99.2mm	55
8BA	3.750in./95.3mm	65	C1DE	2.500in./63.5mm	32	C3VE-A	3.984in./101.2mm	87	C9OE	3.500in./88.9mm	83
8BA-6200B	3.750in./95.3mm	65	C1DE	2.938in./74.6mm	37	C3VY-6200A	3.984in./101.2mm	87	C2OE	2.870in./72.9mm	64
8CM-6200B	3.750in./95.3mm	65	C1DE	3.125in./79.4mm	44	C5AE-A	3.188in./80.98mm	52	C3OE	2.500in./63.5mm	32
9N	3.750in./95.3mm	15	C1TE	4.031in./102.4mm	56	C5AE-B	3.781in./96mm	97	C3OE	2.938in./74.6mm	37
9N-6200	3.750in./95.3mm	15	C1TE-C	3.297in./83.8mm	66	C5AE-B	3.781in./96mm	98	C3OE	3.125in./79.4mm	44
29A-6200	3.750in./95.3mm	65	C1TE-C	3.297in./83.8mm	74	C5AE-B	3.500in./88.9mm	78	C3OE-A	3.000in./76.2mm	64
99A-6200	3.750in./95.3mm	65	C2AE-A	3.100in./78.7mm	66	C5AE-B	3.984in./101.2mm	87	C8OE-A	3.000in./76.2mm	64
511	2.625in./66.7mm	35	C2AE-A	3.297in./83.8mm	66	C5AE-B	3.781in./96mm	78	C9OE	3.500in./88.9mm	83
511	2.701in./68.6mm	38	C2AE-A	3.297in./83.8mm	74	C5TE	3.188in./80.98mm	52	CODE	2.500in./63.5mm	32
312716	3.600in./91.4mm	21	C2AE-B	3.781in./96mm	93	C5TE-6303C	3.188in./80.98mm	52	CODE	2.938in./74.6mm	37
312716	3.600in./91.4mm	28	C2AE-B	3.781in./96mm	95	C5TE-A	3.188in./80.98mm	52	CODE	3.125in./79.4mm	44
B5R	3.500in./88.9mm	67	C2AE-B	3.781in./96mm	97	C5TE-B	3.188in./80.98mm	52	COME	3.984in./101.2mm	87
B5R	3.500in./88.9mm	81	C2AE-B	3.781in./96mm	98	C5TE-F	3.188in./80.98mm	52	CONN	3.600in./91.4mm	21
B5R	3.656in./92.9mm	76	C2AE-B	3.500in./88.9mm	78	C5TE-G	3.188in./80.98mm	52	CONN	3.600in./91.4mm	28
B5R	3.656in./92.9mm	79	C2AE-B	3.984in./101.2mm	87	C5TZ-A	3.188in./80.98mm	52	D0OE-A	3.590in./91.2mm	91
B5R	3.656in./92.9mm	90	C2AE-B	3.781in./96mm	78	C5TZ-B	3.188in./80.98mm	52	D0OE-A	3.850in./97.8mm	91
B5R-6200A	3.656in./92.9mm	76	C3AE	3.609in./91.7mm	46	C6AE-A	3.984in./101.2mm	87	D1AE-A	4.000in./101.6mm	84
B5R-6200A	3.656in./92.9mm	79	C3AE	3.609in./91.7mm	47	C6AE-C	3.500in./88.9mm	78	D6OE	3.500in./88.9mm	83
B5R-6200A	3.656in./92.9mm	90	C3AE	4.031in./102.4mm	56	C6AE-C	3.984in./101.2mm	87	D6VE	3.590in./91.2mm	91
B9NN-6205A	3.600in./91.4mm	21	C3AE-620E1	3.609in./91.7mm	46	C6AE-C	3.781in./96mm	78	D8BE	2.938in./74.6mm	37
B9NN-6205A	3.600in./91.4mm	28	C3AE-620E1	3.609in./91.7mm	47	C6AE-H	3.500in./88.9mm	78	D8BE	3.125in./79.4mm	44
B9TE	3.750in./95.3mm	94	C3AE-6200B	3.984in./101.2mm	87	C7AE-B	3.500in./88.9mm	78	D8BE-6205	2.500in./63.5mm	32
B9TE	4.200in./106.7mm	94	C3AE-6205A	3.984in./101.2mm	87	C7AE-B	3.984in./101.2mm	87	D8BE-6205	2.938in./74.6mm	37
B10	2.500in./63.5mm	32	C3AE-B	3.781in./96mm	97	C7AE-B	3.781in./96mm	78	D8BE-6205	3.125in./79.4mm	44
B10	2.938in./74.6mm	37	C3AE-B	3.781in./96mm	98	C7AE-C	3.984in./101.2mm	87	D8DE-AA	3.906in./99.2mm	55
B10	3.125in./79.4mm	44	C3AE-B	3.984in./101.2mm	87	C7TE-A	3.500in./88.9mm	86	D9TE	3.590in./91.2mm	91
C0AE	3.500in./88.9mm	86	C3AE-C	3.781in./96mm	97	C7TE-A	3.984in./101.2mm	87	D42E-AA	3.125in./79.4mm	25
C1AE	3.609in./91.7mm	46	C3AE-C	3.781in./96mm	98	C7TE-A	3.500in./88.9mm	87	D42E-AA	3.125in./79.4mm	16
C1AE	3.609in./91.7mm	47	C3AE-C	3.500in./88.9mm	78	C7TE-B	3.500in./88.9mm	78	D6OE	3.500in./88.9mm	83
C1AE	4.031in./102.4mm	56	C3AE-C	3.984in./101.2mm	87	C8AE-A	3.188in./80.98mm	52	DDN-6200-B	4.527in./115mm	31
C1AE-6205A	3.500in./88.9mm	86	C3AE-C	3.781in./96mm	78	C8DE	2.870in./72.9mm	64	DDN-6205-B	4.527in./115mm	31
C1AE-6205C1	4.031in./102.4mm	56	C3AE-D	2.870in./72.9mm	64	C8TE	3.188in./80.98mm	52	DOAE-A	3.500in./88.9mm	82
C1AE-6205D1	3.609in./91.7mm	46	C3AE-D	3.000in./76.2mm	64	C8TE-A	3.188in./80.98mm	52	E1ADDN-6205	4.527in./115mm	31
C1AE-6205D1	3.609in./91.7mm	47	C3AE-F	3.781in./96mm	97	C8VE	3.590in./91.2mm	91	E2AE-AC	3.386in./86mm	49
C1AE-A	3.500in./88.9mm	86	C3AE-F	3.781in./96mm	98	C8VE	3.850in./97.8mm	91	E2AE-AC	3.386in./86mm	50
C1AE-A	3.500in./88.9mm	87	C3AE-F	3.984in./101.2mm	87	C8VE-A	3.590in./91.2mm	91	E6AE-AB	3.150in./80mm	41
C1AE-B	3.781in./96mm	93	C3AE-J	2.870in./72.9mm	64	C8VE-A	3.850in./97.8mm	91	E43E-AA	3.125in./79.4mm	25



FORD (Cont.)

CONNECTING ROD FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
E43E-AA	3.125in./79.4mm	16	EAD	3.656in./92.9mm	79	ECC	3.100in./78.7mm	66	ECS-F	3.656in./92.9mm	90
E 0352 018	3.071in./78mm	62	EAD	3.656in./92.9mm	90	ECC	3.297in./83.8mm	66	ECZ	3.438in./87.3mm	77
EAA	3.609in./91.7mm	46	EAD-6200D	3.500in./88.9mm	67	ECC	3.297in./83.8mm	74	ECZ-6205B	3.438in./87.3mm	77
EAA	3.609in./91.7mm	47	EAD-6200D	3.500in./88.9mm	81	ECE	3.100in./78.7mm	66	EDC	3.100in./78.7mm	66
EAA-6200	3.600in./91.4mm	21	EAD-6200D	3.656in./92.9mm	76	ECE	3.297in./83.8mm	66	EDC	3.297in./83.8mm	66
EAA-6200	3.600in./91.4mm	28	EAD-6200D	3.656in./92.9mm	79	ECE	3.297in./83.8mm	74	EDC	3.297in./83.8mm	74
EAA-6200B	3.609in./91.7mm	46	EAD-6200D	3.656in./92.9mm	90	ECS	3.500in./88.9mm	67	EDC	3.500in./88.9mm	86
EAA-6200B	3.609in./91.7mm	47	EAD-6205A	3.500in./88.9mm	67	ECS	3.500in./88.9mm	81	EDC	3.500in./88.9mm	87
EAA-6205	3.600in./91.4mm	21	EAD-6205A	3.500in./88.9mm	81	ECS	3.656in./92.9mm	76	EDL	3.750in./95.3mm	94
EAA-6205	3.600in./91.4mm	28	EAD-6205A	3.656in./92.9mm	76	ECS	3.656in./92.9mm	79	EDL	4.200in./106.7mm	94
EAA-6205A	3.609in./91.7mm	46	EAD-6205A	3.656in./92.9mm	79	ECS	3.656in./92.9mm	90	RFF1AE6205-AD	3.542in./90mm	69
EAA-6205A	3.609in./91.7mm	47	EAD-6205A	3.656in./92.9mm	90	ECS-F	3.500in./88.9mm	67	RFF1AE6205-AD	3.542in./90mm	70
EAA-A	3.609in./91.7mm	47	EBU	3.100in./78.7mm	66	ECS-F	3.500in./88.9mm	81			
EAA-B	3.609in./91.7mm	47	EBU	3.297in./83.8mm	66	ECS-F	3.656in./92.9mm	76			
EAD	3.656in./92.9mm	76	EBU	3.297in./83.8mm	74	ECS-F	3.656in./92.9mm	79			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1.9	2.831in./71.9mm	39	2J	3.000in./76.2mm	64	5MA	4.000in./101.6mm	84	82TM-HAA	2.831in./71.9mm	39
1A	4.180in./106.2mm	96	2M	3.000in./76.2mm	64	5MAB	4.000in./101.6mm	84	86TM-BA	2.701in./68.6mm	38
1A	4.180in./106.2mm	99	2MA	3.000in./76.2mm	64	5MABC	4.000in./101.6mm	84	86TM-BA	2.831in./71.9mm	39
1AA	4.180in./106.2mm	96	2MAB	3.000in./76.2mm	64	6-H	2.701in./68.6mm	38	88TM-BA	2.701in./68.6mm	38
1AA	4.180in./106.2mm	99	2MAC	3.000in./76.2mm	64	6M	2.701in./68.6mm	38	88TM-BA	2.831in./71.9mm	39
1D	3.125in./79.4mm	25	2MAD	3.000in./76.2mm	64	7HA	2.701in./68.6mm	38	90-21-0	3.609in./91.7mm	46
1D	3.125in./79.4mm	16	2MAE	3.000in./76.2mm	64	7HA-6303	2.701in./68.6mm	38	90-21-0	2.831in./71.9mm	39
1F	2.500in./63.5mm	32	2MAE	4.180in./106.2mm	96	7M	3.500in./88.9mm	83	90-21-0	3.307in./84mm	53
1F	2.938in./74.6mm	37	2MAE	4.180in./106.2mm	99	7MA	3.500in./88.9mm	83	90-21-0	3.461in./87.9mm	20
1F	3.125in./79.4mm	44	2N	3.906in./99.2mm	55	8BA	3.750in./95.3mm	65	90TM-6303-AB	3.307in./84mm	53
1G	2.500in./63.5mm	32	2N	3.000in./76.2mm	64	8CM	3.750in./95.3mm	65	90TM-AA	3.609in./91.7mm	46
1G	2.938in./74.6mm	37	2NA	3.906in./99.2mm	55	8F28	2.701in./68.6mm	38	90TM-AA	2.831in./71.9mm	39
1G	3.125in./79.4mm	44	2NA	3.000in./76.2mm	64	8F28	2.831in./71.9mm	39	90TM-AA	3.307in./84mm	53
1H	2.500in./63.5mm	32	2NAB	3.906in./99.2mm	55	8HA	2.701in./68.6mm	38	90TM-AA	3.461in./87.9mm	20
1H	2.938in./74.6mm	37	2NAB	3.000in./76.2mm	64	8HA	2.831in./71.9mm	39	90TM-AB	3.609in./91.7mm	46
1H	3.125in./79.4mm	44	2NABC	3.906in./99.2mm	55	8HA-6303	2.701in./68.6mm	38	90TM-AB	2.831in./71.9mm	39
1HA	2.500in./63.5mm	32	2NABC	3.850in./97.8mm	91	8HA-6303	2.831in./71.9mm	39	90TM-AB	3.307in./84mm	53
1HA	2.938in./74.6mm	37	2NABC	3.000in./76.2mm	64	8M	3.500in./88.9mm	84	90TM-AB	3.461in./87.9mm	20
1HA	3.125in./79.4mm	44	2T	3.500in./88.9mm	86	8MTH	2.701in./68.6mm	38	91A	3.750in./95.3mm	65
1J	3.000in./76.2mm	64	2T	3.500in./88.9mm	78	8MTH	2.831in./71.9mm	39	91A-6303-A	3.609in./91.7mm	46
1K	3.500in./88.9mm	84	2T	3.500in./88.9mm	87	8N	3.750in./95.3mm	15	91A-6303-A	2.831in./71.9mm	39
1KA	3.500in./88.9mm	84	2TA	3.500in./88.9mm	86	9N	3.750in./95.3mm	15	91A-6303-A	3.307in./84mm	53
1L	3.188in./80.98mm	52	2TA	3.500in./88.9mm	78	09N	2.831in./71.9mm	39	91A-6303-A	3.461in./87.9mm	20
1LA	3.188in./80.98mm	52	2TA	3.500in./88.9mm	87	10-B	2.831in./71.9mm	39	91A-6303-B	3.609in./91.7mm	46
1LAB	3.188in./80.98mm	52	2Y68-76	3.850in./97.8mm	91	11-448510	2.625in./66.7mm	35	91A-6303-B	2.831in./71.9mm	39
1M	2.870in./72.9mm	64	2Y	3.850in./97.8mm	91	11M	4.180in./106.2mm	96	91A-6303-B	3.307in./84mm	53
1MA	2.870in./72.9mm	64	2YA	3.850in./97.8mm	91	11M	2.831in./71.9mm	39	91A-6303-B	3.461in./87.9mm	20
1N	3.188in./80.98mm	52	2YAB	3.850in./97.8mm	91	11M-14	4.180in./106.2mm	96	91H	3.750in./95.3mm	65
1NA	3.188in./80.98mm	52	2YABC	3.850in./97.8mm	91	17M	4.180in./106.2mm	96	91H-6303-B	3.609in./91.7mm	46
1NAB	3.188in./80.98mm	52	3C	3.500in./88.9mm	83	29A	3.750in./95.3mm	65	91H-6303-B	2.831in./71.9mm	39
1NABC	3.188in./80.98mm	52	003K	2.831in./71.9mm	39	29A-6303A	3.750in./95.3mm	65	91H-6303-B	3.307in./84mm	53
1P	3.386in./86mm	49	3M	3.500in./88.9mm	83	29B	3.750in./95.3mm	65	91H-6303-B	3.461in./87.9mm	20
1P	3.386in./86mm	50	3MA	3.500in./88.9mm	83	29B-6303B	3.750in./95.3mm	65	91K	3.609in./91.7mm	46
1U	3.984in./101.2mm	87	003N	2.831in./71.9mm	39	30R	3.850in./97.8mm	91	91K	2.831in./71.9mm	39
1UA	3.984in./101.2mm	87	3Y	3.850in./97.8mm	91	31-87	3.850in./97.8mm	91	91K	3.307in./84mm	53
1UB	3.984in./101.2mm	87	3YAB	3.850in./97.8mm	91	31M	3.850in./97.8mm	91	91K	3.461in./87.9mm	20
1V	3.590in./91.2mm	91	4M	3.500in./88.9mm	82	68-6303	3.750in./95.3mm	65	91TM-AA	3.609in./91.7mm	46
1VA	3.590in./91.2mm	91	4MA	3.500in./88.9mm	82	70HM	3.031in./77mm	10	91TM-AA	2.831in./71.9mm	39
1VAB	3.590in./91.2mm	91	4MAB	3.500in./88.9mm	82	70HM-AKA	3.031in./77mm	10	91TM-AA	3.307in./84mm	53
1YAB	3.590in./91.2mm	91	4U	3.590in./91.2mm	91	72HM-JA	3.031in./77mm	10	91TM-AA	3.461in./87.9mm	20
2 MAE	4.180in./106.2mm	96	4UA	3.590in./91.2mm	91	74TM	2.701in./68.6mm	38	96TM-AA	3.189in./81mm	4
2 MAE	4.180in./106.2mm	99	4UAB	3.590in./91.2mm	91	74TM-AA	2.701in./68.6mm	38	96TM-AA	3.307in./84mm	53
2D	3.125in./79.4mm	25	4UB	3.590in./91.2mm	91	76TM	2.701in./68.6mm	38	97TM-	3.189in./81mm	4
2D	3.125in./79.4mm	16	4XC-U	3.500in./88.9mm	78	77A	2.701in./68.6mm	38	97TM-	3.307in./84mm	53
2H	3.906in./99.2mm	55	4XC-UT	3.500in./88.9mm	78	78TM	2.701in./68.6mm	38	99A	3.750in./95.3mm	65
2H-A	3.906in./99.2mm	55	4XCU	3.500in./88.9mm	78	78TM-CA	2.701in./68.6mm	38	99A-6303	3.750in./95.3mm	65
2H-A	3.000in./76.2mm	64	4XCUT	3.500in./88.9mm	78	81-K	2.701in./68.6mm	38	140N	4.180in./106.2mm	96
2HA	3.906in./99.2mm	55	4ZE1	3.500in./88.9mm	78	82TM	2.701in./68.6mm	38	176H	4.180in./106.2mm	96
2HAB	3.906in./99.2mm	55	5 E	3.500in./88.9mm	78	82TM	2.831in./71.9mm	39	188A	4.180in./106.2mm	96
2J	3.906in./99.2mm	55	5M	4.000in./101.6mm	84	82TM-HAA	2.701in./68.6mm	38	188A	4.180in./106.2mm	99



FORD (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
202B	4.180in./106.2mm	96	B5S-6303-A	3.297in./83.8mm	74	C2TE-D	3.656in./92.9mm	76	C4TZ-A	3.781in./96mm	98
202B	4.180in./106.2mm	99	B5S-6303-A	3.500in./88.9mm	81	C2TE-D	3.656in./92.9mm	79	C4TZ-B	3.781in./96mm	97
0290	3.701in./94mm	12	B5S-6303-A	3.307in./84mm	6	C2TE-D	3.656in./92.9mm	90	C4TZ-B	3.781in./96mm	98
508E-6303	3.500in./88.9mm	78	B9NN	3.600in./91.4mm	21	C2TZ-6303A	3.750in./95.3mm	94	C5AE	3.500in./88.9mm	86
711M-AC	2.100in./53.3mm	3	B9NN	3.600in./91.4mm	28	C2TZ-6303B	3.750in./95.3mm	94	C5AE-A	3.500in./88.9mm	78
711M-AD	2.100in./53.3mm	3	B301	3.189in./81mm	4	C2VE	3.703in./94.1mm	92	C5AE-A	3.500in./88.9mm	87
851M	2.701in./68.6mm	38	B301	3.307in./84mm	53	C2VE-A	3.703in./94.1mm	92	C5AE-C	3.781in./96mm	97
851M	2.831in./71.9mm	39	B616	3.500in./88.9mm	67	C3AE	3.500in./88.9mm	86	C5AE-C	3.781in./96mm	98
1174N	2.831in./71.9mm	39	B616	3.297in./83.8mm	74	C3AE-A	3.500in./88.9mm	78	C5DE-A	2.500in./63.5mm	32
2732E	2.100in./53.3mm	3	B616	3.500in./88.9mm	81	C3AE-A	3.500in./88.9mm	87	C5DE-A	2.938in./74.6mm	37
2737E	2.100in./53.3mm	3	B616	3.307in./84mm	6	C3AE-B	3.781in./96mm	93	C5DE-A	3.125in./79.4mm	44
3281N	3.850in./97.8mm	91	B630	3.307in./84mm	6	C3AE-B	3.781in./96mm	95	C5TE	3.188in./80.98mm	52
7243N	2.701in./68.6mm	38	B630	3.346in./85mm	6	C3AE-C	3.781in./96mm	93	C5TE-6303C	3.188in./80.98mm	52
9166N	3.609in./91.7mm	46	B657	3.307in./84mm	6	C3AE-C	3.781in./96mm	95	C5TE-B	3.188in./80.98mm	52
9166N	2.831in./71.9mm	39	B657	3.346in./85mm	6	C3AE-E	3.781in./96mm	93	C5TE-C	3.188in./80.98mm	52
9166N	3.307in./84mm	53	C0AE-B	3.500in./88.9mm	86	C3AE-E	3.781in./96mm	95	C5TE-F	3.188in./80.98mm	52
9166N	3.461in./87.9mm	20	C0AE-B	3.500in./88.9mm	78	C3AE-F	2.870in./72.9mm	64	C5TE-G	3.188in./80.98mm	52
13111-03010-D	4.180in./106.2mm	96	C0AE-B	3.500in./88.9mm	87	C3AE-G	3.781in./96mm	97	C5TZ-A	3.188in./80.98mm	52
020201A1	2.831in./71.9mm	39	C0E-A	2.870in./72.9mm	64	C3AE-G	3.781in./96mm	98	C5TZ-B	3.188in./80.98mm	52
90003C	2.701in./68.6mm	38	C0NN	3.600in./91.4mm	28	C3AE-M	3.609in./91.7mm	47	C6AE-D	3.500in./88.9mm	78
90003C	2.831in./71.9mm	39	C1AE-A	3.781in./96mm	93	C3AE-M	3.609in./91.7mm	47	C6AE-E	3.188in./80.98mm	52
310772	3.600in./91.4mm	21	C1AE-A	3.781in./96mm	95	C3AE-N	3.609in./91.7mm	46	C6TE-6303G	3.188in./80.98mm	52
310772	3.600in./91.4mm	28	C1AE-B	3.609in./91.7mm	46	C3AE-N	3.609in./91.7mm	47	C6TE-A	3.500in./88.9mm	78
329880N	3.850in./97.8mm	91	C1AE-B	3.609in./91.7mm	47	C3AF-N	2.870in./72.9mm	64	C6TE-C	3.781in./96mm	78
565524DYNA	3.500in./88.9mm	78	C1AE-F	3.609in./91.7mm	46	C3AF-N	2.870in./72.9mm	73	C6TE-D	3.500in./88.9mm	78
887652N	2.701in./68.6mm	38	C1AE-F	3.609in./91.7mm	47	C3OE-A	3.125in./79.4mm	44	C6TE-E	3.781in./96mm	78
887652N	2.831in./71.9mm	39	C1TE	3.297in./83.8mm	66	C3OE-B	2.870in./72.9mm	73	C6TE-G	3.188in./80.98mm	52
1802224C92	4.180in./106.2mm	96	C1TE	3.297in./83.8mm	74	C3OZ	2.870in./72.9mm	64	C6VE-6303-A	3.830in./97.3mm	92
1802224C93	4.180in./106.2mm	96	C1TE-6303-B	3.750in./95.3mm	94	C3OZ	2.870in./72.9mm	73	C7TE	3.781in./96mm	78
1803420C1	4.180in./106.2mm	96	C1TE-6303-C	4.200in./106.7mm	94	C3OZ-A	3.125in./79.4mm	44	C7TE-A	3.500in./88.9mm	78
1805420C1	4.180in./106.2mm	96	C1TE-6303B	3.750in./95.3mm	94	C3OZ-B	2.870in./72.9mm	64	C7TE-B	3.781in./96mm	78
1805420C1	4.180in./106.2mm	99	C1TE-6303C	4.200in./106.7mm	94	C3OZ-B	2.870in./72.9mm	73	C7TE-E	3.781in./96mm	78
1809954C1	4.180in./106.2mm	96	C1TE-6303F1	3.297in./83.8mm	74	C3OZ-E	3.125in./79.4mm	44	C7TE-EA	3.781in./96mm	78
1809954C1	4.180in./106.2mm	99	C1TE-B	3.750in./95.3mm	94	C3TE	4.031in./102.4mm	56	C8AE-A	3.500in./88.9mm	87
1812320C91	4.180in./106.2mm	96	C1TE-C	4.200in./106.7mm	94	C3TE-6303-B	3.656in./92.9mm	76	C8AE-B	3.781in./96mm	97
1812320C91	4.180in./106.2mm	99	C1TE-F1	3.297in./83.8mm	74	C3TE-6303-C	3.656in./92.9mm	76	C8AE-B	3.781in./96mm	98
1816975C1	4.180in./106.2mm	96	C1TE-F	3.297in./83.8mm	66	C3TE-6303-D	3.656in./92.9mm	76	C8SE-A	3.590in./91.2mm	91
1816975C1	4.180in./106.2mm	99	C1TE-F	3.297in./83.8mm	74	C3TE-6303B	3.656in./92.9mm	76	C8VE	3.850in./97.8mm	91
5750174	3.656in./92.9mm	76	C1TE-H	4.031in./102.4mm	56	C3TE-6303B	3.656in./92.9mm	79	C8VE-A	3.850in./97.8mm	91
5750174	3.656in./92.9mm	79	C1VE	3.297in./83.8mm	92	C3TE-6303B	3.656in./92.9mm	90	C9AE-A	3.590in./91.2mm	91
5750174	3.656in./92.9mm	90	C1VE-A	3.297in./83.8mm	92	C3TE-6303C	3.656in./92.9mm	76	C9AE-B	3.590in./91.2mm	91
A1D	3.189in./81mm	4	C2AE-2	3.781in./96mm	93	C3TE-6303C	3.656in./92.9mm	79	C9DE-A	3.906in./99.2mm	55
A1D	3.307in./84mm	53	C2AE-2	3.781in./96mm	95	C3TE-6303C	3.656in./92.9mm	90	C9OE-A	3.500in./88.9mm	83
A301	3.189in./81mm	4	C2AE-A	3.297in./83.8mm	66	C3TE-6303D	3.656in./92.9mm	76	C9TE	3.297in./83.8mm	66
A301	3.307in./84mm	53	C2AE-A	3.297in./83.8mm	74	C3TE-6303D	3.656in./92.9mm	79	C9TE-A	3.297in./83.8mm	74
A	3.500in./88.9mm	86	C2AE-B	3.781in./96mm	93	C3TE-6303D	3.656in./92.9mm	90	C9ZE-6303-A	3.000in./76.2mm	75
A-6303	3.189in./81mm	4	C2AE-B	3.781in./96mm	95	C3VE	3.703in./94.1mm	92	C9ZE-A	3.000in./76.2mm	64
A-6303	3.307in./84mm	53	C2AE-D	3.781in./96mm	93	C3VE-A	3.703in./94.1mm	92	C9ZE-C	3.703in./94.1mm	92
A-6303-A	3.189in./81mm	4	C2AE-D	3.781in./96mm	95	C4AE	3.500in./88.9mm	86	C9ZE-D	3.703in./94.1mm	92
A-6303-A	3.307in./84mm	53	C2DE-A	2.500in./63.5mm	32	C4AE-A	3.500in./88.9mm	78	C2OE-A	2.870in./72.9mm	64
AD	3.189in./81mm	4	C2DE-A	2.938in./74.6mm	37	C4AE-A	3.500in./88.9mm	87	C2OZ	2.870in./72.9mm	64
AD	3.307in./84mm	53	C2DE-A	3.125in./79.4mm	44	C4AE-B	3.781in./96mm	97	C2OZ-A	2.870in./72.9mm	64
AY	3.189in./81mm	4	C2OE-A	2.870in./72.9mm	73	C4AE-B	3.781in./96mm	98	C3OE-A	2.500in./63.5mm	32
AY	3.307in./84mm	53	C2OZ	2.875in./73mm	64	C4AE-C	3.781in./96mm	97	C3OE-A	2.938in./74.6mm	37
B3C7	3.297in./83.8mm	66	C2OZ	2.870in./72.9mm	64	C4AE-C	3.781in./96mm	98	C3OE-A	3.125in./79.4mm	44
B4A-6303-B	3.297in./83.8mm	66	C2OZ	2.870in./72.9mm	73	C4AE-E	3.781in./96mm	97	C3OE-B	2.870in./72.9mm	64
B4A-B	3.297in./83.8mm	66	C2OZ-B	2.870in./72.9mm	64	C4AE-E	3.781in./96mm	98	C3OZ	2.870in./72.9mm	64
B5A-6303-B	3.500in./88.9mm	67	C2OZ-B	2.870in./72.9mm	73	C4AE-H	3.781in./96mm	97	C3OZ-A	2.500in./63.5mm	32
B5A-6303-B	3.297in./83.8mm	66	C2TE-6303-C	3.656in./92.9mm	76	C4AE-H	3.781in./96mm	98	C3OZ-A	2.938in./74.6mm	37
B5A-6303-B	3.297in./83.8mm	74	C2TE-6303A	3.750in./95.3mm	94	C4AZ-A	3.781in./96mm	97	C3OZ-A	3.125in./79.4mm	44
B5A-6303-B	3.500in./88.9mm	81	C2TE-6303C	3.656in./92.9mm	76	C4AZ-A	3.781in./96mm	98	C3OZ-E	2.500in./63.5mm	32
B5A-6303-B	3.307in./84mm	6	C2TE-6303C	3.656in./92.9mm	79	C4AZ-J	3.781in./96mm	97	C3OZ-E	2.938in./74.6mm	37
B5Q-6303-A	3.500in./88.9mm	67	C2TE-6303C	3.656in./92.9mm	90	C4AZ-J	3.781in./96mm	98	C3OZ-E	3.125in./79.4mm	44
B5Q-6303-A	3.297in./83.8mm	74	C2TE-A	3.750in./95.3mm	94	C4TE-6303-A	4.527in./115mm	58	C8OE-B	3.000in./76.2mm	64
B5Q-6303-A	3.500in./88.9mm	81	C2TE-A	4.200in./106.7mm	94	C4TE-A	3.500in./88.9mm	78	CTR-CB	2.500in./63.5mm	32
B5Q-6303-A	3.307in./84mm	6	C2TE-B	4.200in./106.7mm	94	C4TE-B	3.781in./96mm	78	CTR-CB	2.938in./74.6mm	37
B5Q-6303A	3.500in./88.9mm	67	C2TE-C	3.656in./92.9mm	76	C4TE-C	4.031in./102.4mm	56	D0TE-A	3.500in./88.9mm	78
B5Q-6303A	3.500in./88.9mm	81	C2TE-C	3.656in./92.9mm	79	C4TE-D	3.500in./88.9mm	78	D0ZE-6303-A	3.000in./76.2mm	75
B5S-6303-A	3.500in./88.9mm	67	C2TE-C	3.656in./92.9mm	90	C4TZ-A	3.781in./96mm	97	D1TE-A	3.500in./88.9mm	78



FORD (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
D1TE-B	3.781in./96mm	78	E6AE-C	3.150in./80mm	41	EBU-6303-B	3.656in./92.9mm	76	EDN-6303A	4.200in./106.7mm	94
D2TE-A	3.500in./88.9mm	78	E6AE-W	3.150in./80mm	41	EBU-6303-B	3.297in./83.8mm	80	EDS	3.703in./94.1mm	92
D2TE-AA	3.500in./88.9mm	78	E6EE-AA	3.125in./79.4mm	8	EBU-6303B	3.656in./92.9mm	76	F0SE-AA	3.386in./86mm	50
D2TE-EA	3.781in./96mm	78	E6HN-6303-CB	4.400in./111.8mm	61	EBU-6303B	3.656in./92.9mm	79	F1AE-AD	3.542in./90mm	69
D3TE-AA	3.781in./96mm	78	E6HN-6303-CC	4.400in./111.8mm	61	EBU-6303B	3.656in./92.9mm	90	F1AE-AD-5D	3.542in./90mm	68
D7AE	3.500in./88.9mm	84	E7AE	3.000in./76.2mm	64	EC	3.297in./83.8mm	66	F1AE-AD-7D	3.542in./90mm	68
D7AE-A	3.500in./88.9mm	84	E7AE-AA	3.000in./76.2mm	64	EC	3.297in./83.8mm	74	F1AE-AD-8D	3.542in./90mm	68
D9TE-AA	3.590in./91.2mm	91	E9DE-BA	3.386in./86mm	50	ECE	3.438in./87.3mm	77	F1AE-AE	3.542in./90mm	69
D9TE-B	3.590in./91.2mm	91	E9DE-BB	3.386in./86mm	50	ECG	3.438in./87.3mm	77	F1AE-AE	3.542in./90mm	68
D9TE-BA	3.590in./91.2mm	91	E9SE-CB	3.386in./86mm	50	ECG-6303-B	3.297in./83.8mm	74	F4SE-BB	3.386in./86mm	50
D9TE-EA	3.590in./91.2mm	91	E22E-BA	3.125in./79.4mm	16	ECK	3.438in./87.3mm	77	F5	3.150in./80mm	42
D	3.125in./79.4mm	25	E43E-AC	3.125in./79.4mm	16	ECK-6303-B	3.297in./83.8mm	74	F5	3.268in./83mm	43
D	3.125in./79.4mm	16	E63E-AA	3.578in./90.8mm	29	ECS	3.656in./92.9mm	76	F5AE-AA	3.150in./80mm	41
DOAE-A	3.500in./88.9mm	82	E63E-AB	3.578in./90.8mm	29	ECS	3.656in./92.9mm	79	F5DE	3.150in./80mm	41
DOTE-A	3.500in./88.9mm	78	E88E-AB	3.125in./79.4mm	25	ECS	3.656in./92.9mm	90	F5TZ-6012-AA	3.307in./84mm	53
E1AE	3.000in./76.2mm	64	E88E-AB	3.125in./79.4mm	16	ECT	3.500in./88.9mm	67	F58E	3.150in./80mm	41
E1AE-AA	3.000in./76.2mm	64	E89E-AB	3.125in./79.4mm	25	ECT	3.500in./88.9mm	81	F58E-AA	3.150in./80mm	41
E1EE	3.125in./79.4mm	8	E89E-AB	3.125in./79.4mm	16	ECT-6303C	3.656in./92.9mm	76	F58E-B	3.150in./80mm	41
E1EE-AB	3.125in./79.4mm	8	E5734JN	3.125in./79.4mm	16	ECT-6303C	3.656in./92.9mm	79	F201	3.701in./94mm	22
E2AE	3.386in./86mm	49	EAA	3.609in./91.7mm	46	ECT-6303C	3.656in./92.9mm	90	FE201	3.701in./94mm	22
E2AE-AF	3.386in./86mm	49	EAA	3.609in./91.7mm	47	ECU	3.656in./92.9mm	76	FE-50	3.701in./94mm	22
E2AE-DB	3.386in./86mm	49	EAB	3.750in./95.3mm	65	ECU	3.656in./92.9mm	79	FS07	3.622in./92mm	18
E2AE-DB	3.386in./86mm	50	EAB-6303	3.500in./88.9mm	67	ECU	3.656in./92.9mm	90	FS-2	3.622in./92mm	18
E2ZE-BA	3.125in./79.4mm	25	EAB-6303	3.500in./88.9mm	81	ECU-6303	3.656in./92.9mm	76	GN	3.701in./94mm	12
E2ZE-BA	3.125in./79.4mm	16	EAD	3.500in./88.9mm	67	ECU-6303	3.656in./92.9mm	79	GS-M	3.000in./76.2mm	64
E3AA-AA	3.386in./86mm	49	EAD	3.500in./88.9mm	81	ECU-6303	3.656in./92.9mm	90	H	3.590in./91.2mm	91
E3AA-AA	3.386in./86mm	50	EAD-6303-C	3.500in./88.9mm	67	ECZ	3.438in./87.3mm	77	IBA	3.750in./95.3mm	65
E3AE	3.386in./86mm	49	EAD-6303-C	3.500in./88.9mm	81	EDC	3.297in./83.8mm	80	ICM	4.000in./101.6mm	65
E3AE-AA	3.386in./86mm	49	EAD-6303C	3.500in./88.9mm	67	EDD	3.500in./88.9mm	86	JPHM	3.701in./94mm	12
E3EE	3.125in./79.4mm	8	EAD-6303C	3.500in./88.9mm	81	EDD	3.500in./88.9mm	78	LH	3.701in./94mm	12
E3EE-AA	3.125in./79.4mm	8	EAF	3.600in./91.4mm	21	EDD	3.500in./88.9mm	87	OBA	3.750in./95.3mm	65
E4AE-BA	3.500in./88.9mm	85	EAF	3.600in./91.4mm	28	EDF	3.297in./83.8mm	92	PROBE	3.701in./94mm	22
E4EE-AA	3.125in./79.4mm	8	EAM	3.500in./88.9mm	67	EDG	3.703in./94.1mm	92	RFE 6AE	3.150in./80mm	41
E4EEAA	3.125in./79.4mm	8	EAM	3.500in./88.9mm	81	EDG-6303	3.703in./94.1mm	92	RFF1AE6306-AD	3.542in./90mm	69
E4ZE-AC	3.125in./79.4mm	16	EBF	3.609in./91.7mm	46	EDJ	3.703in./94.1mm	92	RFF1AE6306-AD	3.542in./90mm	70
E5EE-AA	3.460in./87.9mm	14	EBF	3.609in./91.7mm	47	EDL	3.750in./95.3mm	94	SM	3.500in./88.9mm	84
E5HN-6303-AC	5.200in./132mm	61	EBJ	3.500in./88.9mm	67	EDL-6303-A	3.750in./95.3mm	94	VG30	3.268in./83mm	43
E5HN-6303-AD	5.200in./132mm	61	EBJ	3.500in./88.9mm	81	EDL-6303A	3.750in./95.3mm	94	XBRO-1145	3.125in./79.4mm	25
E5HN-6303-CC	5.200in./132mm	61	EBP	3.609in./91.7mm	46	EDM	3.500in./88.9mm	67	XBRO-1145	3.125in./79.4mm	16
E6AE-A	3.150in./80mm	41	EBP	3.609in./91.7mm	47	EDM	3.500in./88.9mm	81	ZYA	3.590in./91.2mm	91
E6AE-AH	3.150in./80mm	41	EBU	3.100in./78.7mm	66	EDN	4.200in./106.7mm	94			
E6AE-B	3.150in./80mm	41	EBU-6303-A	3.100in./78.7mm	66	EDN-6303-A	4.200in./106.7mm	94			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL								
1	159 CID (2.6L) 3-53N Detroit Diesel Supercharged Diesel 3 Cyl (1973-1976)				3.875in./98.4mm x 4.500in./114.3mm			1
Rod Bearing(3)	TM-112	CB-1265P	STD,10,20,30,40	2.4990/2.5000	0.0020/0.0050	0.1250	2.7515/2.7525	1.3200
Main Bearing(4)	TM-112	MB-1897P	STD,10,20,30	2.9990/3.0000	0.0013/0.0043	0.1250	3.2510/3.2520	1.1850
Thrust Washer Set		TW-412S MB-2522W	STD	3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MB-1897P								
Cam Bearing Set	C-1	SH-699S	STD	2.1820/2.1825		0.0039/0.0065	0.0943	2.3750/2.3760
1-3		SH-686		2.1820/2.1825		0.0040/0.0065	0.0893	2.3650/2.3660
2		SH-687						
NOTE: Contains Camshaft And Balance Shaft Bearings								
Piston Pin Bushing(3)	C-1	223-3622	STD			0.1225	1.6005/1.6010	0.7550
NOTE: Requires Boring								
4 CYL								
2	997CC (1.0L) OHV 4 Cyl (1959-1967)				3.189in./81mm x 1.890in./48mm			2
	1198CC (1.2L) British 4 Cyl (1961-1968)				3.189in./81mm x 2.284in./58mm			
	1340CC (1.3L) British 4 Cyl (1961-1962)				3.189in./81mm x 2.559in./65mm			
Rod Bearing(4)	TM-77	CB-603P	STD,10,20,30,40	1.9370/1.9375	0.0011/0.0031	0.0722	2.0825/2.0830	0.8800



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
2 (Cont.)	997CC (1.0L) OHV 4 Cyl (1959-1967)			3.189in./81mm x 1.890in./48mm				2 (Cont.)
	1198CC (1.2L) British 4 Cyl (1961-1968)			3.189in./81mm x 2.284in./58mm				
	1340CC (1.3L) British 4 Cyl (1961-1962)			3.189in./81mm x 2.559in./65mm				
Cam Bearing Set	B-1	SH-711S	STD					
1		SH-711		1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.8000
2		SH-712		1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.6900
3		SH-713		1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.8000
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	55 To 60 Lbs.Ft.							
3	67 CID (1.1L) I-67 4 Cyl (1973-1982)			3.188in./80.98mm x 2.100in./53.3mm				3
	1098CC (1.1L) German 4 Cyl (1968-1980)			3.189in./81mm x 2.126in./54mm				
	1100CC (1.1L) 4 Cyl (1971-1973)			3.188in./80.98mm x 2.100in./53.3mm				
	1298CC (1.3L) German 4 Cyl (1968-1980)			3.189in./81mm x 2.480in./63mm				
	1498CC (1.5L) OHV 4 Cyl (1963-1967)			3.189in./81mm x 2.859in./72.62mm				
	1599CC (1.6L) British 4 Cyl (1967-1973)			3.189in./81mm x 3.071in./78mm				
Rod Bearing(4)	TM-77	CB-603P	STD,10,20,30,40	1.9370/1.9375	0.0011/0.0031	0.0722	2.0825/2.0830	0.8800
Main Bearing Set	TM-77	MS-742AL	STD,10,20,30					
1-2-3-4-5		MB-2759AL		2.1253/2.1261	0.0005/0.0028	0.0722	2.2710/2.2715	1.0050
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-113S								
Thrust Washer Set		TW-113S	STD					
		MB-2058W		2.3400/2.3500			2.9330/2.9430	0.0930
NOTE: Contains 2 Pieces, Position Number 2, Use With Part Number MS-742AL								
Cam Bearing Set	B-1	SH-711S	STD					
1		SH-711		1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.8000
2		SH-712		1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.6900
3		SH-713		1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.8000
C/S Forging	2732E, 2737E, 711M-AC, 711M-AD							
Connecting Rod	30 To 35 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
4	81 CID/1328CC (1.3L) SOHC Mazda 4 Cyl (1988-1997)			2.795in./71mm x 3.189in./81mm				4
Rod Bearing(4)	AL-3	CB-1279AL	STD,.25mm,.50mm,.75mm,1.00mm	1.5724/1.5730	0.0010/0.0031	0.0596	1.6929/1.6935	0.6740
Main Bearing Set	AL-3	MS-1802AL	STD,.25mm,.50mm,.75mm					
1-2-3-4-5		MB-3173AL		1.9661/1.9668	0.0009/0.0017	0.0792	2.1260/2.1267	0.6890
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-472S								
Thrust Washer Set		TW-472S	STD					
		MB-3173W		2.2539			2.7165	0.1000
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1802AL								
C/S Forging	AD, AY, A1D, A301, B301, 97TM-, A-6303, 96TM-AA, A-6303-A							
Connecting Rod	Step A 11 To 13 Lbs.Ft.; Step B 22 To 25 Lbs.Ft.							
Main Bearing	40 To 43 Lbs.Ft.							
5	1498CC (1.5L) OHV V4 Cyl (1963-1970)			3.543in./90mm x 2.284in./58mm				5
	1699CC (1.7L) OHV V4 Cyl (1963-1975)			3.543in./90mm x 2.638in./67mm				
Rod Bearing(4)	TM-77	CB-723P	STD,10,20,30,40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490
Rod Bearing(4)	TM-77	CB-1795P-10	20,30,40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Connecting Rod	21 To 25 Lbs.Ft.							
6	98 CID (1.6L) DOHC Mazda 4 Cyl (1991-1994)			3.071in./78mm x 3.307in./84mm				6
	98 CID (1.6L) DOHC Mazda Turbocharged 4 Cyl (1991-1994)			3.071in./78mm x 3.307in./84mm				
	98 CID (1.6L) SOHC Mazda 4 Cyl (1988-1989)			3.071in./78mm x 3.307in./84mm				
	112 CID (1.8L) DOHC Mazda 4 Cyl (1991-1996)			3.268in./83mm x 3.346in./85mm				
Rod Bearing(4)	AL-3	CB-1453AL	STD,.25mm,.50mm,.75mm	1.7693/1.7699	0.0011/0.0027	0.0594	1.8898/1.8904	0.6740
Main Bearing Set	AL-3	MS-1802AL	STD,.25mm,.50mm,.75mm					
1-2-3-4-5		MB-3173AL		1.9661/1.9668	0.0009/0.0017	0.0792	2.1260/2.1267	0.6890
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-472S								
Thrust Washer Set		TW-472S	STD					
		MB-3173W		2.2539			2.7165	0.1000
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1802AL								
C/S Forging	B616, B630, B657, B5A-6303-B, B5Q-6303-A, B5S-6303-A							



FORD (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
6 (Cont.)	98 CID (1.6L) DOHC Mazda 4 Cyl (1991-1994)				3.071in./78mm x 3.307in./84mm				6 (Cont.)
	98 CID (1.6L) DOHC Mazda Turbocharged 4 Cyl (1991-1994)				3.071in./78mm x 3.307in./84mm				
	98 CID (1.6L) SOHC Mazda 4 Cyl (1988-1989)				3.071in./78mm x 3.307in./84mm				
	112 CID (1.8L) DOHC Mazda 4 Cyl (1991-1996)				3.268in./83mm x 3.346in./85mm				
Connecting Rod		35 To 38 Lbs.Ft. (98 CID (1.6L) SOHC)							
Connecting Rod		37 To 40 Lbs.Ft. (98 CID (1.6L) DOHC,98 CID (1.6L) DOHC,112 CID (1.8L) DOHC)							
Main Bearing		40 To 43 Lbs.Ft.							
7	98 CID (1.6L) OHV 4 Cyl (1971-1982)				3.188in./80.98mm x 3.063in./77.8mm				7
Rod Bearing(4)	TM-77	CB-603P	STD,10,20,30,40	1.9370/1.9375	0.0011/0.0031	0.0722	2.0825/2.0830	0.8800	
Main Bearing Set 1-2-3-4-5	TM-77	MS-742AL MB-2759AL	STD,10,20,30	2.1253/2.1261	0.0005/0.0028	0.0722	2.2710/2.2715	1.0050	
NOTE: 1971-1973, Requires Thrust Washer Set, Not Included, Use With Part Number TW-113S									
Main Bearing Set 1-5	TM-77	MS-1455AL MB-2758AL	STD,10,20,30	2.1253/2.1261	0.0005/0.0028	0.0722	2.2710/2.2715	0.8870	
2-3-4		MB-2759AL		2.1253/2.1261	0.0005/0.0028	0.0722	2.2710/2.2715	1.0050	
NOTE: 1978-1982, Use With Part Number TW-113S									
Thrust Washer Set		TW-113S MB-2058W	STD	2.3400/2.3500				2.9330/2.9430	0.0930
NOTE: Contains 2 Pieces, Position Number 3									
Cam Bearing Set 1	B-1	SH-711S SH-711	STD	1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.8000	
2		SH-712		1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.6900	
3		SH-713		1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.8000	
Aux. Shaft Bearing Set Front	B-1	SH-1094S SH-1094	STD	1.6517/1.6527	0.0006/0.0032	0.0619	1.7745/1.7755	0.5100	
NOTE: 1978-1982, Front									
Connecting Rod		30 To 35 Lbs.Ft.							
Main Bearing		60 To 70 Lbs.Ft.							
8	98 CID (1.6L) SOHC 4 Cyl (1981-1985)				3.147in./79.94mm x 3.125in./79.4mm				8
	98 CID (1.6L) SOHC Turbocharged 4 Cyl (1981-1985)				3.147in./79.94mm x 3.125in./79.4mm				
	98 CID (1.6L) SOHC High Output 4 Cyl (1982-1985)				3.147in./79.94mm x 3.125in./79.4mm				
Rod Bearing(4)	TM-77	CB-1276P	STD,25mm,50mm,75mm	1.8854/1.8862	0.0011/0.0027	0.0586	2.0035/2.0043	0.7680	
Main Bearing Set 1-2-4-5	TM-77	MS-1557P MB-2865P	STD,25mm,50mm,75mm	2.2827/2.2835	0.0006/0.0030	0.0842	2.4522/2.4528	0.8870	
3		MB-2866P(F)		2.2827/2.2835	0.0006/0.0030	0.0842	2.4522/2.4528	1.1310	
NOTE: Upper Half Flanged Bearing Only									
C/S Forging		E1EE, E3EE, E4EEAA, E1EE-AB, E3EE-AA, E4EE-AA, E6EE-AA							
Connecting Rod		19 To 25 Lbs.Ft.							
Main Bearing		67 To 80 Lbs.Ft.							
9	98 CID (1.6L) SOHC Meth 4 Cyl (1983-1987)				3.147in./79.94mm x 3.125in./79.4mm				9
Rod Bearing(4)	TM-77	CB-1276P	STD,25mm,50mm,75mm	1.8854/1.8862	0.0011/0.0027	0.0586	2.0035/2.0043	0.7680	
NOTE: 1983									
Rod Bearing(4)	AL-3	CB-1453AL	STD,25mm,50mm,75mm	1.7693/1.7699	0.0011/0.0027	0.0594	1.8898/1.8904	0.6740	
NOTE: 1987									
Main Bearing Set 1-2-4-5	TM-77	MS-1557P MB-2865P	STD,25mm,50mm,75mm	2.2827/2.2835	0.0006/0.0030	0.0842	2.4522/2.4528	0.8870	
3		MB-2866P(F)		2.2827/2.2835	0.0006/0.0030	0.0842	2.4522/2.4528	1.1310	
NOTE: 1983, Upper Half Flanged Bearing Only									
Main Bearing Set 1-2-3-4-5	AL-3	MS-1802AL MB-3173AL	STD,25mm,50mm,75mm	1.9661/1.9668	0.0009/0.0017	0.0792	2.1260/2.1267	0.6890	
NOTE: 1987, Requires Thrust Washer Set, Not Included, Use With Part Number TW-472S									
Thrust Washer Set		TW-472S MB-3173W	STD	2.2539				2.7165	0.1000
NOTE: 1987, Contains 2 Pieces, Position Number 4, Use With Part Number MS-1802AL									
10	1593CC (1.6L) British 4 Cyl (1970-1982)				3.465in./88mm x 2.598in./66mm				10
	122 CID (2.0L) SOHC 4 Cyl (1971-1974)				3.578in./90.8mm x 3.031in./77mm				
	1993CC (2.0L) OHC 4 Cyl (1970-1976)				3.578in./90.8mm x 3.031in./77mm				
Rod Bearing(4)	TM-77	CB-943P	STD,25mm,50mm,75mm	2.0468/2.0472	0.0010/0.0030	0.0588	2.1653/2.1661	0.7930	



FORD (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
10 (Cont.)	1593CC (1.6L) British 4 Cyl (1970-1982) 122 CID (2.0L) SOHC 4 Cyl (1971-1974) 1993CC (2.0L) OHC 4 Cyl (1970-1976)			3.465in./88mm x 2.598in./66mm 3.578in./90.8mm x 3.031in./77mm 3.578in./90.8mm x 3.031in./77mm					10 (Cont.)
Main Bearing Set 1-2-3-4-5	TM-77	MS-1084P MB-409P	STD, .25mm, .50mm, .75mm	2.2437/2.2441	0.0008/0.0028	0.0710	2.3866/2.3874	0.9350	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-218S									
Thrust Washer Set		TW-218S MB-409W(L) MB-409W(U)	STD	2.3039/2.3138 2.3039/2.3138			3.1594/3.1693 3.1594/3.1693	0.0930 0.0930	
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1084P									
Cam Bearing Set 1	B-1	SH-733S	STD	1.6530/1.6540	0.0005/0.0047	0.0600	1.7745/1.7757	0.7970	
2		SH-128		1.7560/1.7570	0.0006/0.0048	0.0600	1.8776/1.8788	0.6790	
3		SH-129		1.7710/1.7720	0.0006/0.0048	0.0600	1.8926/1.8938	0.6400	
Aux. Shaft Bearing Set Front	B-1	SH-1094S SH-1094	STD	1.6517/1.6527	0.0006/0.0032	0.0619	1.7745/1.7755	0.5100	
C/S Forging 70HM, 72HM-JA, 70HM-AKA									
Connecting Rod 29 To 34 Lbs.Ft. Main Bearing 65 To 75 Lbs.Ft.									
11	1599CC (1.6L) OHV 4 Cyl (1978-1980)			3.188in./80.98mm x 3.063in./77.8mm					11
Rod Bearing(4)	TM-77	CB-603P	STD, 10, 20, 30, 40	1.9370/1.9375	0.0011/0.0031	0.0722	2.0825/2.0830	0.8800	
Main Bearing Set 1-5	TM-77	MS-1455AL MB-2758AL	STD, 10, 20, 30	2.1253/2.1261	0.0005/0.0028	0.0722	2.2710/2.2715	0.8870	
2-3-4		MB-2759AL		2.1253/2.1261	0.0005/0.0028	0.0722	2.2710/2.2715	1.0050	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-113S									
Thrust Washer Set		TW-113S MB-2058W	STD	2.3400/2.3500			2.9330/2.9430	0.0930	
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1455AL									
Cam Bearing Set 1	B-1	SH-711S	STD	1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.8000	
2		SH-711		1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.6900	
3		SH-712		1.5597/1.5605	0.0010/0.0040	0.0638	1.6885/1.6895	0.8000	
Aux. Shaft Bearing Set Front	B-1	SH-1094S SH-1094	STD	1.6517/1.6527	0.0006/0.0032	0.0619	1.7745/1.7755	0.5100	
Connecting Rod 30 To 35 Lbs.Ft. Main Bearing 55 To 60 Lbs.Ft.									
12	110 CID (1.8L) SOHC Mazda 4 Cyl (1972-1978) 122 CID (2.0L) SOHC Mazda 4 Cyl (1979-1982)			3.071in./78mm x 3.701in./94mm 3.150in./80mm x 3.858in./98mm					12
Rod Bearing(4)	AL-3	CB-1110P	STD, .25mm, .50mm, .75mm, 1.00mm	2.0842/2.0848	0.0014/0.0036	0.0596	2.2049/2.2055	0.8710	
Main Bearing Set 1-2-4	AL-3	MS-1427AL MB-1072AL	STD, .25mm, .50mm	2.4779/2.4785	0.0010/0.0034	0.0793	2.6378/2.6385	0.7140	
3		MB-1073AL		2.4779/2.4785	0.0010/0.0034	0.0793	2.6378/2.6385	0.9500	
5		MB-2745AL		2.4779/2.4785	0.0010/0.0034	0.0793	2.6378/2.6385	0.9500	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-231S									
Thrust Washer Set		TW-231S MB-649W(L) MB-649W(U)	STD	2.7560/2.7760 2.7560/2.7760			3.3660/3.3860 3.3660/3.3860	0.0800 0.0800	
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1427AL									
Cam Bearing Set 1	B-1	SH-1066S	STD	1.7695/1.7701	0.0007/0.0039	0.0793	1.9295/1.9305	0.9500	
2-3		SH-1066 SH-1067		1.7695/1.7701	0.0007/0.0039	0.0793	1.9295/1.9305	0.7140	
Piston Pin Bushing(4)	C-1	223-3581	STD			0.0604	0.9850	1.1030	
NOTE: Requires Boring, .8570" Inside Diameter, .9880" Outside Diameter, 1.110" Length									
C/S Forging GN, LH, 0290, JPHM									
Connecting Rod 31 Lbs.Ft. Main Bearing 63 Lbs.Ft.									



FORD (Cont.)

COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
13	116 CID (1.9L) High Output 4 Cyl (1994-1995)				3.226in./81.94mm x 3.460in./87.9mm				13
	122 CID (2.0L) SOHC 4 Cyl (1997-2004)				3.339in./84.8mm x 3.461in./87.9mm				
Rod Bearing(4)	TM-77	CB-1380P	STD,.052mm,.25mm,.50mm,.75mm	1.7279/1.7287	0.0008/0.0025	0.0587	1.8460/1.8468	0.7680	
Main Bearing Set 1-2-4-5	TM-77	MS-1706P	STD,.25mm,.50mm,.75mm	2.2827/2.2835	0.0011/0.0035	0.0838	2.4522/2.4528	0.8890	
3		MB-3073P MB-3074P(F)		2.2827/2.2835	0.0011/0.0035	0.0838	2.4522/2.4528	1.1310	
Connecting Rod	26 To 30 Lbs.Ft.								
Main Bearing	67 To 80 Lbs.Ft.								
14	116 CID (1.9L) SOHC 4 Cyl (1985-1996)				3.226in./81.94mm x 3.460in./87.9mm				14
Rod Bearing(4)	TM-77	CB-1276P	STD,.25mm,.50mm,.75mm	1.8854/1.8862	0.0011/0.0027	0.0586	2.0035/2.0043	0.7680	
NOTE: 1985-1986									
Rod Bearing(4)	TM-77	CB-1380P	STD,.052mm,.25mm,.50mm,.75mm	1.7279/1.7287	0.0008/0.0025	0.0587	1.8460/1.8468	0.7680	
NOTE: 1987-1996									
Main Bearing Set 1-2-4-5	TM-77	MS-1706P	STD,.25mm,.50mm,.75mm	2.2827/2.2835	0.0011/0.0035	0.0838	2.4522/2.4528	0.8890	
3		MB-3073P MB-3074P(F)		2.2827/2.2835	0.0011/0.0035	0.0838	2.4522/2.4528	1.1310	
C/S Forging	E5EE-AA								
Connecting Rod	19 To 25 Lbs.Ft.								
Main Bearing	67 To 80 Lbs.Ft.								
15	120 CID (2.0L) 40 Horsepower,L-Head 4 Cyl (1941-1942)				3.187in./80.95mm x 3.750in./95.3mm				15
Rod Bearing(4)	TM-77	CB-200P	STD,1,2,10,20,30,40,C60	2.0935/2.0945	0.0009/0.0030	0.0623	2.2195/2.2200	1.1300	
Main Bearing Set 1-3	TM-77	MS-120P	STD,2,10,20,30,40	2.2480/2.2490	0.0005/0.0029	0.0855	2.4200/2.4210	1.6050	
2		MB-947P MB-948P(F)		2.2480/2.2490	0.0005/0.0029	0.0855	2.4200/2.4210	1.8990	
16	121 CID (2.0L) 4 Cyl (1983-1988)				3.516in./89.3mm x 3.125in./79.4mm				16
	140 CID (2.3L) SOHC Turbocharged 4 Cyl (1979-1989)				3.780in./96mm x 3.125in./79.4mm				
	140 CID (2.3L) SOHC LPG 4 Cyl (1984-1985)				3.780in./96mm x 3.125in./79.4mm				
	140 CID (2.3L) Special Vehicle Operation Turbocharged 4 Cyl (1984-1986)				3.780in./96mm x 3.125in./79.4mm				
Rod Bearing(4)	TM-77	CB-984P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	2.0465/2.0472	0.0005/0.0030	0.0624	2.1720/2.1728	0.8000	
Main Bearing Set 1-2-4-5	TM-77	MS-1117P	STD,.026mm,.25mm,.50mm,.75mm	2.3982/2.3990	0.0005/0.0031	0.0956	2.5902/2.5910	0.9500	
3		MB-2612P MB-2613P(F)		2.3982/2.3990	0.0005/0.0031	0.0956	2.5902/2.5910	1.1950	
Cam Bearing Set 1-2-3-4	AL-3	SH-777S	STD	1.7712/1.7720	0.0010/0.0048	0.0638	1.9006/1.9016	0.7030	
Aux. Shaft Bearing Set	B-1	SH-1095S	STD						
Front		SH-1095		1.6522/1.6530	0.0007/0.0047	0.0717	1.7968/1.7980	0.5100	
Rear		SH-1096		1.6522/1.6530	0.0007/0.0047	0.0619	1.7772/1.7783	0.5100	
Rod Forging	D42E-AA, E43E-AA								
C/S Forging	D, 1D, 2D, E22E-BA, E2ZE-BA, E43E-AC, E4ZE-AC, E5734JN, E88E-AB, E89E-AB, XBRO-1145								
Connecting Rod	30 To 36 Lbs.Ft.								
Main Bearing	80 To 90 Lbs.Ft.								
17	121 CID (2.0L) Duratec 20 DOHC 4 Cyl (2004-2005)				3.339in./84.8mm x 3.461in./87.9mm				17
	121 CID (2.0L) Duratec 20E PZEV 4 Cyl (2005)				3.339in./84.8mm x 3.461in./87.9mm				
Rod Bearing(4)	AL-5	CB-1840AL	STD,.25mm,.50mm	1.8496/1.8504	0.0007/0.0029	0.0592	1.9695/1.9703	0.6650	
Rod Bearing(4)	AL-5	CB-1841AL-.25mm	.50mm	1.8496/1.8504	0.0007/0.0029	0.0602	1.9715/1.9723	0.6650	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set 1-2-4-5	AL-5	MS-2245AL	STD,.25mm,.50mm	2.0464/2.0472	0.0006/0.0018	0.0992	2.2448/2.2455	0.7519	
3		MB-3822AL MB-3823AL(F)		2.0464/2.0472	0.0006/0.0018	0.0991	2.2448/2.2455	1.0140	
18	122 CID (2.0L) DOHC Mazda 4 Cyl (1993-1997)				3.268in./83mm x 3.622in./92mm				18
Rod Bearing(4)	TM-1	CB-1652P	STD,.25mm,.50mm	1.8874/1.8880	0.0009/0.0020	0.0596	2.0079/2.0085	0.6744	
Main Bearing Set 1-2-3-4-5	TM-1	MS-2057AL	STD,.25mm,.50mm	2.2022/2.2030	0.0008/0.0022	0.0791	2.3622/2.3628	0.6940	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-596S									
Thrust Washer Set		TW-596S	STD						
		MB-3544W		2.4507		0.1003	3.2283		
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-2057AL									



FORD (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
18 (Cont.)	122 CID (2.0L) DOHC Mazda 4 Cyl (1993-1997)				3.268in./83mm x 3.622in./92mm				18 (Cont.)
C/S Forging FS-2, FS07									
Connecting Rod 16 To 19 Lbs.Ft. Plus 90 Degrees									
Main Bearing 13 to 16 Lbs.Ft. Plus 90 Degrees									
19	122 CID (2.0L) SOHC Mazda Diesel 4 Cyl (1984-1987)				3.386in./86mm x 3.386in./86mm				19
Rod Bearing(4)	AL-3	CB-1362AL	STD,.25mm,.50mm,.75mm	2.0055/2.0061	0.0012/0.0026	0.0594	2.1261/2.1267	0.8320	
Connecting Rod 51 To 54 Lbs.Ft.									
20	1989CC (2.0L) Zetec/DOHC/16 Valve 4 Cyl (1995-2003)				3.339in./84.8mm x 3.461in./87.9mm				20
1989CC (2.0L) Zetec/DOHC/16 Valve CNG 4 Cyl (1996-2000)									
Rod Bearing(4)	TM-77	CB-1774P	STD,.25mm,.50mm,.75mm	1.8461/1.8468	0.0008/0.0017	0.0585	1.9642/1.9650	0.8020	
Rod Bearing(4)	TM-77	CB-1793P-.25mm	.50mm,.75mm	1.8461/1.8468	0.0008/0.0017	0.0595	1.9662/1.9670	0.8020	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set 1-2-4-5	TM-77	MS-2208P	STD,.25mm,.50mm,.75mm	2.2827/2.2834	0.0003/0.0016	0.0842	2.4522/2.4528	0.7710	
3		MB-3753P		2.2827/2.2834	0.0007/0.0030	0.0842	2.4522/2.4528	0.9730	
3 MB-3754P(F)									
C/S Forging 91K, 9166N, 90-21-0, 90TM-AA, 90TM-AB, 91TM-AA, 91A-6303-A, 91A-6303-B, 91H-6303-B									
21	134 CID (2.2L) 4 Cyl (1953-1976)				3.437in./87.3mm x 3.600in./91.4mm				21
134 CID (2.2L) LPG 4 Cyl (1953-1976)									
134 CID (2.2L) JE Flex 4 Cyl (1953-1976)									
172 CID (2.8L) 4 Cyl (1955-1978)									
172 CID (2.8L) LPG 4 Cyl (1955-1978)									
192 CID (3.1L) 4 Cyl (1972-1981)									
192 CID (3.1L) LPG 4 Cyl (1972-1981)									
Rod Bearing(4)	TM-77	CB-535P	STD,1,2,10,20,30,40	2.2978/2.2986	0.0005/0.0031	0.0622	2.4230/2.4238	1.0390	
Main Bearing Set TM-77 MB-1540P									
Main Bearing Set 1-3	TM-77	MS-466P	STD,1,2,10,20,30,40	2.4980/2.4988	0.0005/0.0031	0.0963	2.6912/2.6920	1.3300	
2		MB-1501P		2.4980/2.4988	0.0005/0.0031	0.0963	2.6912/2.6920	1.7510	
2 MB-1540P(F)									
Piston Pin Bushing(4)	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500	
NOTE: Gasoline, No Oil Hole In Bushing,Requires Boring									
Piston Pin Bushing(4)	B	223-3608	STD			0.0365	0.9730/0.9750	1.2500	
NOTE: Gasoline, Oil Hole In Bushing,Requires Light Reaming									
Rod Forging CONN, 312716, EAA-6200, EAA-6205, B9NN-6205A									
C/S Forging EAF, B9NN, 310772									
Connecting Rod 45 To 50 Lbs.Ft.									
Main Bearing 95 To 105 Lbs.Ft.									
22	134 CID (2.2L) SOHC Mazda 4 Cyl (1989-1992)				3.386in./86mm x 3.701in./94mm				22
134 CID (2.2L) SOHC Mazda Turbocharged 4 Cyl (1989-1992)									
Rod Bearing(4)	AL-3	CB-1362AL	STD,.25mm,.50mm,.75mm	2.0055/2.0061	0.0012/0.0026	0.0594	2.1261/2.1267	0.8320	
Main Bearing Set 1-2-4-5	AL-3	MS-1803AL	STD,.25mm,.50mm,.75mm	2.3597/2.3604	0.0007/0.0030	0.0793	2.5197/2.5203	0.7530	
3		MB-3174AL		2.3597/2.3604	0.0007/0.0030	0.0793	2.5197/2.5203	1.1020	
3 MB-3175AL(F)									
NOTE: .25mm Undersize Sets Contain .10mm Oversize Length Flanged Bearing,.50mm Undersize Set Contains .18mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .26mm Oversize Length Flanged Bearing,Contains Partial Grooved Main Bearings									
C/S Forging F201, FE-50, FE201, PROBE									
Connecting Rod 48 To 51 Lbs.Ft.									
Main Bearing 61 To 65 Lbs.Ft.									
23	134 CID (2.2L) SOHC 8 Valve Mazda Diesel 4 Cyl (1983-1984)				3.500in./88.9mm x 3.502in./89mm				23
Rod Bearing(4)	TM-1	CB-1441P	STD,.25mm,.50mm	2.0866/2.0874	0.0014/0.0035	0.0720	2.2321/2.2326	1.1280	
Main Bearing Set 1-2-4-5	TM-1	MS-1778P	STD,.25mm	2.5587/2.5593	0.0016/0.0041	0.0780	2.7165/2.7176	1.1300	
3		MB-3170P		2.5587/2.5593	0.0016/0.0041	0.0780	2.7165/2.7176	1.1300	
3 MB-3171P									
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-461S									



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
				4 CYL (Cont.)				
23 (Cont.)	134 CID (2.2L) SOHC 8 Valve Mazda Diesel 4 Cyl (1983-1984)			3.500in./88.9mm x 3.502in./89mm				23 (Cont.)
Connecting Rod	50 To 54 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
24	140 CID (2.3L) High Swirl Combustion 4 Cyl (1984-1994)			3.680in./93.5mm x 3.125in./79.4mm				24
Rod Bearing(4) NOTE: 1984-1985	TM-77	CB-583P	STD,1,10,20,30,40,G60	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Rod Bearing(4) NOTE: 1986-1994	TM-77	CB-1383P	STD,10,20,30	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Main Bearing Set 1 2-4-5 3 NOTE: Contains Flanged Bearing, Use In Upper Half Of Position Number 3	TM-77	MS-1629AL MB-2986AL MB-2692AL MB-2693AL(F)	STD,10,20,30,40	2.2482/2.2490 2.2482/2.2490 2.2482/2.2490	0.0007/0.0033 0.0007/0.0033 0.0007/0.0033	0.0760 0.0760 0.0760	2.4012/2.4020 2.4012/2.4020 2.4012/2.4020	1.0200 1.0200 1.2710
Cam Bearing Set 1 2-3 4	B-1	SH-1251S SH-1251 SH-1252 SH-1253	STD	2.0070/2.0080 2.0070/2.0080 2.0070/2.0080	0.0012/0.0047 0.0015/0.0045 0.0012/0.0047	0.0973 0.0894 0.0973	2.2040/2.2055 2.1885/2.1895 2.2040/2.2055	0.7200 0.7200 0.4990
Connecting Rod	21 To 26 Lbs.Ft.							
Main Bearing	52 To 56 Lbs.Ft.							
25	140 CID (2.3L) SOHC 4 Cyl (1974-1997)			3.780in./96mm x 3.125in./79.4mm				25
Rod Bearing(4)	TM-77	CB-984P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	2.0465/2.0472	0.0005/0.0030	0.0624	2.1720/2.1728	0.8000
Main Bearing Set 1-2-4-5 3 NOTE: 1 Spark Plug Per Cylinder	TM-77	MS-1117P MB-2612P MB-2613P(F)	STD,.026mm,.25mm,.50mm,.75mm	2.3982/2.3990 2.3982/2.3990	0.0005/0.0031 0.0005/0.0031	0.0956 0.0956	2.5902/2.5910 2.5902/2.5910	0.9500 1.1950
Main Bearing Set 1-2-4-5 3 NOTE: 2 Spark Plugs Per Cylinder	TM-77	MS-1743P MB-3137P MB-3130P(F)	STD,.25mm,.50mm,.75mm	2.2051/2.2059 2.2051/2.2059	0.0008/0.0026 0.0008/0.0026	0.0956 0.0956	2.3971/2.3979 2.3971/2.3979	0.9500 1.1940
Cam Bearing Set 1-2-3-4	AL-3	SH-777S SH-777	STD	1.7712/1.7720	0.0010/0.0048	0.0638	1.9006/1.9016	0.7030
Aux. Shaft Bearing Set Front Rear	B-1	SH-1095S SH-1095 SH-1096	STD	1.6522/1.6530 1.6522/1.6530	0.0007/0.0047 0.0007/0.0047	0.0717 0.0619	1.7968/1.7980 1.7772/1.7783	0.5100 0.5100
Rod Forging	D42E-AA, E43E-AA							
C/S Forging	D, 1D, 2D, E2ZE-BA, E88E-AB, E89E-AB, XBRO-1145							
Connecting Rod	30 To 36 Lbs.Ft.							
Main Bearing	80 To 90 Lbs.Ft.							
26	140 CID (2.3L) SOHC Mitsubishi Turbocharged Diesel 4 Cyl (1985-1987)			3.587in./91.1mm x 3.543in./90mm				26
Rod Bearing(4)	AL-3	CB-1220P	STD,.25mm,.50mm,.75mm,1.00mm	2.0858/2.0866	0.0005/0.0028	0.0590	2.2047/2.2055	0.9840
Main Bearing Set 1-2-4-5 3 NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing	TM-1	MS-1430P MB-2751P MB-2752P(F)	STD,.50mm,.75mm	2.5976/2.5984 2.5976/2.5984	0.0010/0.0037 0.0010/0.0037	0.0782 0.0782	2.7559/2.7567 2.7559/2.7567	0.9840 1.2190
Connecting Rod	33 To 34 Lbs.Ft.							
Main Bearing	55 To 61 Lbs.Ft.							
27	2261CC (2.3L) Duratec 23 DOHC 4 Cyl (2005) 2261CC (2.3L) PZEV DOHC 16 Valve 4 Cyl (2003-2005)			3.440in./87.4mm x 3.700in./94mm 3.440in./87.4mm x 3.700in./94mm				27
Rod Bearing(4)	AL-5	CB-1838AL	STD,.25mm,.50mm	1.9677/1.9685	0.0007/0.0029	0.0592	2.0876/2.0884	0.6650
Rod Bearing(4) NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock	AL-5	CB-1839AL-.25mm	.50mm	1.9677/1.9685	0.0007/0.0029	0.0602	2.0886/2.0904	0.6650
Main Bearing Set 1-2-4-5 3	AL-5	MS-2245AL MB-3822AL MB-3823AL(F)	STD,.25mm,.50mm	2.0464/2.0472 2.0464/2.0472	0.0006/0.0018 0.0006/0.0018	0.0992 0.0991	2.2448/2.2455 2.2448/2.2455	0.7519 1.0140



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
28	144 CID (2.4L) Diesel 4 Cyl (1958-1965) 172 CID (2.8L) 172D Diesel 4 Cyl (1958-1978) 192 CID (3.1L) Diesel 4 Cyl (1972-1981)				3.563in./90.5mm x 3.600in./91.4mm 3.900in./99mm x 3.600in./91.4mm 4.130in./104.9mm x 3.600in./91.4mm			28
Rod Bearing(4)	TM-77	CB-535P	STD,1,2,10,20,30,40	2.2978/2.2986	0.0005/0.0031	0.0622	2.4230/2.4238	1.0390
Main Bearing Set	TM-77	MB-1540P						
Main Bearing Set	TM-77	MS-466P	STD,1,2,10,20,30,40					
1-3		MB-1501P		2.4980/2.4988	0.0005/0.0031	0.0963	2.6912/2.6920	1.3300
2		MB-1540P(F)		2.4980/2.4988	0.0005/0.0031	0.0963	2.6912/2.6920	1.7510
Rod Forging	CONN, 312716, EAA-6200, EAA-6205, B9NN-6205A							
C/S Forging	EAF, B9NN, CONN, 310772							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	110 To 115 Lbs.Ft.							
29	153 CID (2.5L) High Swirl Combustion 4 Cyl (1986-1991)				3.680in./93.5mm x 3.578in./90.8mm			29
Rod Bearing(4)	TM-77	CB-1383P	STD,10,20,30	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Main Bearing Set	TM-77	MS-1629AL	STD,10,20,30,40					
1		MB-2986AL		2.2482/2.2490	0.0007/0.0033	0.0760	2.4012/2.4020	1.0200
2-4-5		MB-2692AL		2.2482/2.2490	0.0007/0.0033	0.0760	2.4012/2.4020	1.0200
3		MB-2693AL(F)		2.2482/2.2490	0.0007/0.0033	0.0760	2.4012/2.4020	1.2710
NOTE: Contains Flanged Bearing, Use In Upper Half Of Position Number 3								
Cam Bearing Set	B-1	SH-1251S	STD					
1		SH-1251		2.0070/2.0080	0.0012/0.0047	0.0973	2.2040/2.2055	0.7200
2-3		SH-1252		2.0070/2.0080	0.0015/0.0045	0.0894	2.1885/2.1895	0.7200
4		SH-1253		2.0070/2.0080	0.0012/0.0047	0.0973	2.2040/2.2055	0.4990
C/S Forging	E63E-AA, E63E-AB							
Connecting Rod	21 To 26 Lbs.Ft.							
Main Bearing	52 To 56 Lbs.Ft.							
30	153 CID (2.5L) SOHC 4 Cyl (1998-2001)				3.780in./96mm x 3.397in./86.3mm			30
Rod Bearing(4)	TM-77	CB-984P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	2.0465/2.0472	0.0005/0.0030	0.0624	2.1720/2.1728	0.8000
Main Bearing Set	TM-77	MS-1743P	STD,.25mm,.50mm,.75mm					
1-2-4-5		MB-3137P		2.2051/2.2059	0.0008/0.0026	0.0956	2.3971/2.3979	0.9500
3		MB-3130P(F)		2.2051/2.2059	0.0008/0.0026	0.0956	2.3971/2.3979	1.1940
Cam Bearing Set	AL-3	SH-777S	STD					
1-2-3-4		SH-777		1.7712/1.7720	0.0010/0.0048	0.0638	1.9006/1.9016	0.7030
31	220 CID (3.6L) Diesel 4 Cyl (1962-1966) 220 CID (3.6L) Dagenham Diesel 4 Cyl (1952-1966)				3.937in./100mm x 4.527in./115mm 3.937in./100mm x 4.527in./115mm			31
Rod Bearing(4)	AL-3	CB-489AL	STD,10,20,30	2.4997/2.5005	0.0015/0.0035	0.0724	2.6460/2.6465	1.3400
Main Bearing Set	AL-3	MS-755AL	STD,10,20					
1-2-4		MB-1738AL		3.0002/3.0010	0.0008/0.0036	0.0818	3.1665/3.1670	1.0500
3-5		MB-1739AL		3.0002/3.0010	0.0008/0.0036	0.0818	3.1665/3.1670	1.4250
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-120S								
Thrust Washer Set		TW-120S	STD					
		MB-1739W(L)		3.3150/3.3250			3.8880/3.8980	0.0920
		MB-1739W(U)		3.3150/3.3250			3.8880/3.8980	0.0920
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-755AL								
Rod Forging	DDN-6200-B, DDN-6205-B, E1ADDN-6205							
Connecting Rod	55 Lbs.Ft. Plus 60 Degrees (220 CID (3.6L))							
Connecting Rod	55 To 60 Lbs.Ft. (220 CID (3.6L) Dagenham)							
Main Bearing	70 To 75 Lbs.Ft. (1/2" Bolts)							
Main Bearing	95 To 100 Lbs.Ft. (9/16" Bolts)							
6 CYL								
32	144 CID (2.4L) 6 Cyl (1960-1964)				3.500in./88.9mm x 2.500in./63.5mm			32
Rod Bearing(6)	TM-77	CB-583P	STD,1,10,20,30,40,G60	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Main Bearing Set	TM-77	MS-518G	STD,10,20,30,40					
1-2-4		MB-2002G		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.0200
3		MB-2003G(F)		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.2710



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
32 (Cont.)	144 CID (2.4L) 6 Cyl (1960-1964)			3.500in./88.9mm x 2.500in./63.5mm				32 (Cont.)
Cam Bearing Set	B-1	SH-703S	STD					
1		SH-703		1.8095/1.8105	0.0010/0.0050	0.0833	1.9780/1.9790	0.7300
2		SH-412		1.8095/1.8105	0.0010/0.0050	0.0758	1.9630/1.9640	0.7300
3		SH-413		1.8095/1.8105	0.0010/0.0050	0.0683	1.9480/1.9490	0.7300
4		SH-414		1.8095/1.8105	0.0010/0.0050	0.0608	1.9330/1.9340	0.7300
Piston Pin Bushing(4)	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
NOTE: No Oil Hole In Bushing, Requires Boring								
Rod Forging	B10, C1DE, C30E, CODE, D8BE-6205							
C/S Forging	1F, 1G, 1H, 1HA, C2DE-A, C30E-A, C30Z-A, C30Z-E, C5DE-A, CTR-CB							
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
33	153 CID (2.5L) DOHC Mazda V6 Cyl (1993-1997)			3.327in./84.5mm x 2.913in./74mm				33
Rod Bearing(6)	TM-1	CB-1653P	STD, .25mm, .50mm	2.0843/2.0848	0.0009/0.0018	0.0595	2.2047/2.2053	0.6705
Main Bearing Set	TM-1	MS-2058AL	STD, .25mm, .50mm					
1-2-3		MB-3545AL		2.4382/2.4392	0.0015/0.0025	0.0980	2.6378/2.6384	0.7138
4		MB-3546AL		2.4382/2.4392	0.0015/0.0025	0.0980	2.6378/2.6384	0.8673
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-552S								
Thrust Washer Set		TW-552S	STD					
		MB-3347W		2.6870			3.1496	0.0810
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-2058AL								
34	155 CID (2.5L) Duratec/DOHC/24 Valve V6 Cyl (1995-2002)			3.240in./82.3mm x 3.130in./79.5mm				34
	181 CID/2967CC (3.0L) DOHC 24 Valve Lincoln V6 Cyl (2000-2005)			3.504in./89mm x 3.130in./79.5mm				
	181 CID/2967CC (3.0L) Duratec/DOHC/24 Valve V6 Cyl (1996-2005)			3.504in./89mm x 3.130in./79.5mm				
Rod Bearing(6)	TM-77	CB-1772P	STD, .25mm, .50mm, .75mm	1.9670/1.9680	0.0008/0.0034	0.0594	2.0872/2.0880	0.7080
Rod Bearing(6)	TM-77	CB-1845P-.25mm	.50mm, .75mm	1.9670/1.9680	0.0008/0.0034	0.0604	2.0892/2.0900	0.7080
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-2207P	STD, .25mm, .50mm, .75mm					
1-2-3		MB-3750P		2.4790/2.4800	0.0003/0.0018	0.0987	2.6771/2.6779	0.7060
4		MB-3751P(F)		2.4790/2.4800	0.0003/0.0032	0.0984	2.6771/2.6780	0.8800
NOTE: Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 4 Position								
Piston Pin Bushing(6)	C-1	223-3651	STD	0.8280		0.1300	0.9510	0.8450
NOTE: Requires Light Reaming								
35	159 CID (2.6L) V6 Cyl (1972-1973)			3.543in./90mm x 2.625in./66.7mm				35
Rod Bearing(6)	TM-77	CB-723P	STD, 10, 20, 30, 40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490
Rod Bearing(6)	TM-77	CB-1795P-10	20, 30, 40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-1983P	STD, 10, 20, 30					
1-2-4		MB-2350P		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	0.8500
3		MB-3416P(F)		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	1.0350
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Cam Bearing Set	B-1	SH-1386S	STD					
1		SH-1386		1.6497/1.6505	0.0015/0.0047	0.0604	1.7728/1.7740	0.7800
2		SH-1387		1.6347/1.6355	0.0017/0.0047	0.0604	1.7580/1.7590	0.7050
3		SH-1388		1.6197/1.6205	0.0017/0.0047	0.0604	1.7430/1.7440	0.7050
4		SH-1389		1.6047/1.6055	0.0017/0.0047	0.0604	1.7280/1.7290	0.6000
Rod Forging	511							
C/S Forging	11-448510							
Connecting Rod	21 To 25 Lbs.Ft.							
Main Bearing	65 To 75 Lbs.Ft.							
36	2551CC (2.6L) German V6 Cyl (1970-1976)			3.543in./90mm x 2.638in./67mm				36
Rod Bearing(6)	TM-77	CB-723P	STD, 10, 20, 30, 40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490
Rod Bearing(6)	TM-77	CB-1795P-10	20, 30, 40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
36 (Cont.)	2551CC (2.6L) German V6 Cyl (1970-1976)				3.543in./90mm x 2.638in./67mm			36 (Cont.)
Main Bearing Set 1-2-4 3	TM-77	MS-860P-20 MB-2350P MB-2351P(F)		2.2433/2.2441 2.2433/2.2441	0.0006/0.0032 0.0006/0.0032	0.0711 0.0711	2.3866/2.3874 2.3866/2.3874	0.8500 1.0350
NOTE: Thru 5/1/74, Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 3	TM-77	MS-1692P MB-2350P MB-2350W(U)	STD,10,20,30	2.2433/2.2441 2.5039/2.5138	0.0006/0.0032	0.0711	2.3866/2.3874 3.1594/3.1693	0.8500 0.0930
NOTE: From 5/1/74, Contains 4 Piece Thrust Washer Set, Use In Number 3 Position, Contains Straight Shell Bearings								
Main Bearing Set 1-2-4 3	TM-77	MS-1983P MB-2350P MB-3416P(F)	STD,10,20,30	2.2433/2.2441 2.2433/2.2441	0.0006/0.0032 0.0006/0.0032	0.0711 0.0711	2.3866/2.3874 2.3866/2.3874	0.8500 1.0350
NOTE: Thru 5/1/74, All Sizes Contain Standard Length Flanged Bearing								
Thrust Washer Set		TW-325S MB-2350W(L) MB-2350W(U)	STD	2.5039/2.5138 2.5039/2.5138			3.1594/3.1693 3.1594/3.1693	0.0930 0.0930
NOTE: From 5/1/74, Contains 4 Pieces, Position Number 3								
Cam Bearing Set 1 2 3 4	B-1	SH-1386S SH-1386 SH-1387 SH-1388 SH-1389	STD	1.6497/1.6505 1.6347/1.6355 1.6197/1.6205 1.6047/1.6055	0.0015/0.0047 0.0017/0.0047 0.0017/0.0047 0.0017/0.0047	0.0604 0.0604 0.0604 0.0604	1.7728/1.7740 1.7580/1.7590 1.7430/1.7440 1.7280/1.7290	0.7800 0.7050 0.7050 0.6000
37	170 CID (2.8L) 6 Cyl (1961-1972)				3.500in./88.9mm x 2.938in./74.6mm			37
Rod Bearing(6)	TM-77	CB-583P	STD,1,10,20,30,40,G60	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Main Bearing Set 1-2-4 3	TM-77	MS-518G MB-2002G MB-2003G(F)	STD,10,20,30,40	2.2482/2.2490 2.2482/2.2490	0.0007/0.0033 0.0007/0.0033	0.0759 0.0759	2.4012/2.4020 2.4012/2.4020	1.0200 1.2710
Cam Bearing Set 1 2 3 4	B-1	SH-703S SH-703 SH-412 SH-413 SH-414	STD	1.8095/1.8105 1.8095/1.8105 1.8095/1.8105 1.8095/1.8105	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0833 0.0758 0.0683 0.0608	1.9780/1.9790 1.9630/1.9640 1.9480/1.9490 1.9330/1.9340	0.7300 0.7300 0.7300 0.7300
Rod Forging C/S Forging	B10, C1DE, C30E, CODE, D8BE, D8BE-6205 1F, 1G, 1H, 1HA, C2DE-A, C30E-A, C30Z-A, C30Z-E, C5DE-A, CTR-CB							
Connecting Rod Main Bearing	19 To 24 Lbs.Ft. 60 To 70 Lbs.Ft.							
38	171 CID (2.8L) German V6 Cyl (1974-1986)				3.661in./93mm x 2.701in./68.6mm			38
Rod Bearing(6)	TM-77	CB-723P	STD,10,20,30,40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490
Rod Bearing(6)	TM-77	CB-1795P-10	20,30,40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4 3	TM-77	MS-860P-20 MB-2350P MB-2351P(F)		2.2433/2.2441 2.2433/2.2441	0.0006/0.0032 0.0006/0.0032	0.0711 0.0711	2.3866/2.3874 2.3866/2.3874	0.8500 1.0350
NOTE: Thru 5/1/74, Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 3	TM-77	MS-1692P MB-2350P MB-2350W(U)	STD,10,20,30	2.2433/2.2441 2.5039/2.5138	0.0006/0.0032	0.0711	2.3866/2.3874 3.1594/3.1693	0.8500 0.0930
NOTE: From 5/1/74, Contains 4 Piece Thrust Washer Set, Use In Number 3 Position, Contains Straight Shell Bearings								
Main Bearing Set 1-2-4 3	TM-77	MS-1983P MB-2350P MB-3416P(F)	STD,10,20,30	2.2433/2.2441 2.2433/2.2441	0.0006/0.0032 0.0006/0.0032	0.0711 0.0711	2.3866/2.3874 2.3866/2.3874	0.8500 1.0350
NOTE: Thru 5/1/74, All Sizes Contain Standard Length Flanged Bearing								
Thrust Washer Set		TW-325S MB-2350W(L) MB-2350W(U)	STD	2.5039/2.5138 2.5039/2.5138			3.1594/3.1693 3.1594/3.1693	0.0930 0.0930
NOTE: From 5/1/74, Contains 4 Pieces, Position Number 3								



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
38 (Cont.)	171 CID (2.8L) German V6 Cyl (1974-1986)			3.661in./93mm x 2.701in./68.6mm				38 (Cont.)
Cam Bearing Set	B-1	SH-1386S	STD					
1		SH-1386		1.6497/1.6505	0.0015/0.0047	0.0604	1.7728/1.7740	0.7800
2		SH-1387		1.6347/1.6355	0.0017/0.0047	0.0604	1.7580/1.7590	0.7050
3		SH-1388		1.6197/1.6205	0.0017/0.0047	0.0604	1.7430/1.7440	0.7050
4		SH-1389		1.6047/1.6055	0.0017/0.0047	0.0604	1.7280/1.7290	0.6000
NOTE: 1974-1979								
Cam Bearing Set	AL-3	SH-1390S	STD					
1		SH-1390		1.7284/1.7293	0.0012/0.0041	0.0603	1.8514/1.8528	0.7800
2		SH-1391		1.7135/1.7143	0.0012/0.0041	0.0603	1.8364/1.8378	0.7010
3		SH-1392		1.6985/1.6993	0.0012/0.0041	0.0603	1.8215/1.8228	0.7010
4		SH-1393		1.6835/1.6843	0.0012/0.0041	0.0603	1.8065/1.8079	0.5980
NOTE: 1983-1986, Bearings For Position Numbers 2 And 3 Are Grooved On The Outside Diameter For Improved Oiling								
Rod Forging	511							
C/S Forging	6M, 6-H, 77A, 7HA, 8HA, 74TM, 76TM, 78TM, 81-K, 82TM, 851M, 8F28, 8MTH, 7243N, 90003C, 74TM-AA, 78TM-CA, 86TM-BA, 887652N, 88TM-BA, 7HA-6303, 82TM-HAA, 8HA-6303							
Connecting Rod	21 To 25 Lbs.Ft.							
Main Bearing	65 To 75 Lbs.Ft.							
39	177 CID (2.9L) OHV V6 Cyl (1986-1992)			3.661in./93mm x 2.831in./71.9mm				39
Rod Bearing(6)	TM-77	CB-723P	STD,10,20,30,40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490
Rod Bearing(6)	TM-77	CB-1795P-10	20,30,40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-860P-20						
1-2-4		MB-2350P		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	0.8500
3		MB-2351P(F)		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	1.0350
NOTE: 1986-1989, Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1983P	STD,10,20,30					
1-2-4		MB-2350P		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	0.8500
3		MB-3416P(F)		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	1.0350
NOTE: 1986-1989, All Sizes Contain Standard Length Flanged Bearing								
Main Bearing Set	AL-3	MS-2006P	STD,10,20,30					
1-2-4		MB-3202P		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	0.8500
3		MB-3467P(F)		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	1.0350
NOTE: 1990-1992								
Cam Bearing Set	AL-3	SH-1390S	STD					
1		SH-1390		1.7284/1.7293	0.0012/0.0041	0.0603	1.8514/1.8528	0.7800
2		SH-1391		1.7135/1.7143	0.0012/0.0041	0.0603	1.8364/1.8378	0.7010
3		SH-1392		1.6985/1.6993	0.0012/0.0041	0.0603	1.8215/1.8228	0.7010
4		SH-1393		1.6835/1.6843	0.0012/0.0041	0.0603	1.8065/1.8079	0.5980
NOTE: Bearings For Position Numbers 2 And 3 Are Grooved On The Outside Diameter For Improved Oiling								
C/S Forging	09N, 1.9, 11M, 8HA, 91K, 003K, 003N, 10-B, 82TM, 851M, 8F28, 8MTH, 1174N, 9166N, 90003C, 86TM-BA, 887652N, 88TM-BA, 90-21-0, 90TM-AA, 90TM-AB, 91TM-AA, 020201A1, 82TM-HAA, 8HA-6303, 91A-6303-A, 91A-6303-B, 91H-6303-B							
Connecting Rod	21 To 25 Lbs.Ft.							
Main Bearing	65 To 75 Lbs.Ft.							
40	2900CC (2.9L) Merkur V6 Cyl (1988-1990)			3.661in./93mm x 2.831in./71.9mm				40
Rod Bearing(6)	TM-77	CB-723P	STD,10,20,30,40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490
Rod Bearing(6)	TM-77	CB-1795P-10	20,30,40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-860P-20						
1-2-4		MB-2350P		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	0.8500
3		MB-2351P(F)		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	1.0350
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1983P	STD,10,20,30					
1-2-4		MB-2350P		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	0.8500
3		MB-3416P(F)		2.2433/2.2441	0.0006/0.0032	0.0711	2.3866/2.3874	1.0350
NOTE: All Sizes Contain Standard Length Flanged Bearing								



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
40 (Cont.)	2900CC (2.9L) Merkur V6 Cyl (1988-1990)				3.661in./93mm x 2.831in./71.9mm			40 (Cont.)
Cam Bearing Set	AL-3	SH-1390S	STD					
1		SH-1390		1.7284/1.7293	0.0012/0.0041	0.0603	1.8514/1.8528	0.7800
2		SH-1391		1.7135/1.7143	0.0012/0.0041	0.0603	1.8364/1.8378	0.7010
3		SH-1392		1.6985/1.6993	0.0012/0.0041	0.0603	1.8215/1.8228	0.7010
4		SH-1393		1.6835/1.6843	0.0012/0.0041	0.0603	1.8065/1.8079	0.5980
NOTE: Bearings For Position Numbers 2 And 3 Are Grooved On The Outside Diameter For Improved Oiling								
Connecting Rod	21 To 25 Lbs.Ft.							
Main Bearing	65 To 75 Lbs.Ft.							
41	183 CID (3.0L) FFV/OHV Flex V6 Cyl (1999-2003)				3.504in./89mm x 3.150in./80mm			41
	183 CID (3.0L) OHV V6 Cyl (1986-2004)				3.504in./89mm x 3.150in./80mm			
	183 CID (3.0L) OHV Flex V6 Cyl (1993-2003)				3.504in./89mm x 3.150in./80mm			
Rod Bearing(6)	TM-77	CB-1385P	STD,.25mm,.50mm,.75mm	2.1253/2.1261	0.0010/0.0027	0.0618	2.2500/2.2508	0.7630
Main Bearing Set	TM-77	MS-1702P	STD,.25mm,.50mm,.75mm					
1-2		MB-3093P		2.5190/2.5198	0.0010/0.0023	0.0962	2.7120/2.7128	0.7420
3		MB-3094P(F)		2.5190/2.5198	0.0010/0.0023	0.0962	2.7120/2.7128	1.0110
4		MB-3095P		2.5190/2.5198	0.0010/0.0023	0.0962	2.7120/2.7128	1.0690
Cam Bearing Set	B-1	SH-1789S	STD					
1		SH-1334		2.0074/2.0084	0.0010/0.0030	0.0713	2.1531/2.1541	0.9650
2-3		SH-1335		2.0074/2.0084	0.0010/0.0030	0.0614	2.1334/2.1344	0.5420
4		SH-1789		2.0074/2.0084	0.0010/0.0030	0.0713	2.1531/2.1541	0.5470
Rod Forging	E6AE-AB							
C/S Forging	F58E, F5DE, E6AE-A, E6AE-B, E6AE-C, E6AE-W, F58E-B, E6AE-AH, F58E-AA, F5AE-AA, RFE 6AE							
Connecting Rod	23 To 29 Lbs.Ft.							
Main Bearing	63 To 69 Lbs.Ft.							
42	183 CID (3.0L) SHO DOHC Yamaha V6 Cyl (1989-1995)				3.504in./89mm x 3.150in./80mm			42
	195 CID (3.2L) SHO DOHC Yamaha V6 Cyl (1993-1995)				3.600in./91.4mm x 3.150in./80mm			
Rod Bearing(6)	TM-77	CB-1435P	STD,.25mm,.50mm,.75mm	2.0463/2.0472	0.0009/0.0022	0.0588	2.1653/2.1660	0.7110
Main Bearing Set	TM-77	MS-1773P	STD,.25mm					
1-4		MB-3126P		2.5187/2.5197	0.0005/0.0032	0.0785	2.6771/2.6779	0.9370
2-3		MB-3127P		2.5187/2.5197	0.0005/0.0032	0.0785	2.6771/2.6779	0.7210
NOTE: Requires Thrust Washer Set, Not Included								
C/S Forging	F5							
Connecting Rod	Step A 22 To 26 Lbs.Ft.; Step B 33 To 36 Lbs.Ft.							
Main Bearing	Step A 36 To 51 Lbs.Ft.; Step B 58 To 64 Lbs.Ft.							
43	2960CC (3.0L) VG30E SOHC Nissan V6 Cyl (1993-1998)				3.425in./87mm x 3.268in./83mm			43
	3275CC (3.3L) SOHC Nissan V6 Cyl (1999-2002)				3.602in./91.5mm x 3.268in./83mm			
Rod Bearing(6)	TM-1	CB-1591P	STD,.25mm,.50mm	1.9669/1.9675	0.0006/0.0024	0.0594	2.0866/2.0871	0.6690
Main Bearing Set	TM-1	MS-1951P	STD,.25mm,.50mm					
1		MB-3344P		2.4784/2.4793	0.0004/0.0034	0.0720	2.6238/2.6249	0.8860
2-3		MB-3345P		2.4784/2.4793	0.0004/0.0034	0.0720	2.6238/2.6249	0.7480
4		MB-3346P(F)		2.4784/2.4793	0.0004/0.0034	0.0720	2.6238/2.6249	1.1340
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing								
Main Bearing Set	TM-1	MS-2074P-.25mm	.50mm					
1		MB-2995P		2.4784/2.4793	0.0011/0.0039	0.0720	2.6238/2.6243	0.8910
2-3		MB-2996P		2.4784/2.4793	0.0011/0.0039	0.0720	2.6238/2.6243	0.7530
4		MB-3570P(F)		2.4784/2.4793	0.0011/0.0039	0.0720	2.6238/2.6243	1.1360
NOTE: All Sizes Contain Standard Length Flanged Bearing								
C/S Forging	F5, VG30							
Connecting Rod	33 To 40 Lbs.Ft.							
Main Bearing	67 To 74 Lbs.Ft.							
44	200 CID (3.3L) OHV 6 Cyl (1963-1983)				3.680in./93.5mm x 3.125in./79.4mm			44
Rod Bearing(6)	TM-77	CB-583P	STD,1,10,20,30,40,G60	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Main Bearing Set	TM-77	MS-518G	STD,10,20,30,40					
1-2-4		MB-2002G		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.0200
3		MB-2003G(F)		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.2710
NOTE: 1963-1964								



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
44 (Cont.)	200 CID (3.3L) OHV 6 Cyl (1963-1983)			3.680in./93.5mm x 3.125in./79.4mm				44 (Cont.)
Main Bearing Set 1-2-3-4-6-7 5	TM-77	MS-771G MB-2002G MB-2003G(F)	STD,10,20,30,40	2.2482/2.2490 2.2482/2.2490	0.0007/0.0033 0.0007/0.0033	0.0759 0.0759	2.4012/2.4020 2.4012/2.4020	1.0200 1.2710
NOTE: Thru 5/1/75								
Main Bearing Set 1-2-3-4-6-7 5	TM-77	MS-1389AL MB-2692AL MB-2693AL(F)	STD,10,20,30,40	2.2482/2.2490 2.2482/2.2490	0.0007/0.0033 0.0007/0.0033	0.0760 0.0760	2.4012/2.4020 2.4012/2.4020	1.0200 1.2710
NOTE: From 5/2/75								
Cam Bearing Set 1 2 3 4	B-1	SH-703S SH-703 SH-412 SH-413 SH-414	STD	1.8095/1.8105 1.8095/1.8105 1.8095/1.8105 1.8095/1.8105	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0833 0.0758 0.0683 0.0608	1.9780/1.9790 1.9630/1.9640 1.9480/1.9490 1.9330/1.9340	0.7300 0.7300 0.7300 0.7300
Rod Forging C/S Forging	B10, C1DE, C30E, CODE, D8BE, D8BE-6205 1F, 1G, 1H, 1HA, C2DE-A, C30E-A, C30Z-A, C30Z-E, C30E-A, C30Z-A, C30Z-E, C5DE-A							
Connecting Rod Main Bearing	19 To 24 Lbs.Ft. 60 To 70 Lbs.Ft.							
45	215 CID (3.5L) ,JA 6 Cyl (1952-1953)			3.563in./90.5mm x 3.609in./91.7mm				45
Rod Bearing(6)	TM-77	CB-535P	STD,1,2,10,20,30,40	2.2978/2.2986	0.0005/0.0031	0.0622	2.4230/2.4238	1.0390
Main Bearing Set 1-2-4 3	TM-77	MS-525P MB-1499P MB-1500P(F)	STD,10,20,30	2.4980/2.4988 2.4980/2.4988	0.0002/0.0024 0.0002/0.0024	0.0963 0.0963	2.6912/2.6920 2.6912/2.6920	1.1050 1.3550
Cam Bearing Set 1-2-4 3	B-1	SH-534S SH-533 SH-249	STD	1.9260/1.9270 1.9260/1.9270	0.0005/0.0045 0.0005/0.0045	0.0650 0.0650	2.0575/2.0585 2.0575/2.0585	0.8900 0.8900
Piston Pin Bushing(6)	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
NOTE: Requires Boring								
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 95 To 105 Lbs.Ft.							
46	223 CID (3.7L) 6 Cyl (1954-1964)			3.625in./92.1mm x 3.609in./91.7mm				46
Rod Bearing(6)	TM-77	CB-535P	STD,1,2,10,20,30,40	2.2978/2.2986	0.0005/0.0031	0.0622	2.4230/2.4238	1.0390
NOTE: 1954-1960								
Rod Bearing(6)	TM-77	CB-668P	STD,10,20,30,40,C60	2.2980/2.2988	0.0005/0.0031	0.0621	2.4230/2.4238	0.8490
NOTE: 1961-1964								
Main Bearing Set 1-2-4 3	TM-77	MS-525P MB-1499P MB-1500P(F)	STD,10,20,30	2.4980/2.4988 2.4980/2.4988	0.0002/0.0024 0.0002/0.0024	0.0963 0.0963	2.6912/2.6920 2.6912/2.6920	1.1050 1.3550
Cam Bearing Set 1-2-3-4	B-1	SH-533S SH-533	STD	1.9260/1.9270	0.0005/0.0045	0.0650	2.0575/2.0585	0.8900
NOTE: Engines With Oil Feed Holes In Camshaft Journals								
Cam Bearing Set 1-2-4 3	B-1	SH-534S SH-533 SH-249	STD	1.9260/1.9270 1.9260/1.9270	0.0005/0.0045 0.0005/0.0045	0.0650 0.0650	2.0575/2.0585 2.0575/2.0585	0.8900 0.8900
NOTE: Except Engines With Oil Feed Holes In Camshaft Journals								
Piston Pin Bushing(6)	C-1	223-3515	STD			0.0365	0.9730/0.9750	1.2000
NOTE: 1961-1964, Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
NOTE: 1954-1960, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3609	STD			0.0460	0.9730/0.9750	1.2000
NOTE: 1961-1964, Requires Boring								
Rod Forging C/S Forging	EAA, C1AE, C3AE, EAA-6200B, EAA-6205A, C3AE-620E1, C1AE-6205D1 91K, EAA, EBF, EBP, 9166N, C1AE-B, C1AE-F, C3AE-M, C3AE-N, 90-21-0, 90TM-AA, 90TM-AB, 91TM-AA, 91A-6303-A, 91A-6303-B, 91H-6303-B							
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 95 To 105 Lbs.Ft.							



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
47	223 CID (3.7L) JF 6 Cyl (1954-1964)				3.625in./92.1mm x 3.609in./91.7mm			47
Rod Bearing(6) NOTE: 1954-1960	TM-77	CB-535P	STD,1,2,10,20,30,40	2.2978/2.2986	0.0005/0.0031	0.0622	2.4230/2.4238	1.0390
Rod Bearing(6) NOTE: 1961-1964	TM-77	CB-668P	STD,10,20,30,40,C60	2.2980/2.2988	0.0005/0.0031	0.0621	2.4230/2.4238	0.8490
Main Bearing Set 1-2-4 3	TM-77	MS-525P MB-1499P MB-1500P(F)	STD,10,20,30	2.4980/2.4988 2.4980/2.4988	0.0002/0.0024 0.0002/0.0024	0.0963 0.0963	2.6912/2.6920 2.6912/2.6920	1.1050 1.3550
Cam Bearing Set 1-2-3-4 NOTE: Engines With Oil Feed Holes In Camshaft Journals	B-1	SH-533S SH-533	STD	1.9260/1.9270	0.0005/0.0045	0.0650	2.0575/2.0585	0.8900
Cam Bearing Set 1-2-4 3 NOTE: Except Engines With Oil Feed Holes In Camshaft Journals	B-1	SH-534S SH-533 SH-249	STD	1.9260/1.9270 1.9260/1.9270	0.0005/0.0045 0.0005/0.0045	0.0650 0.0650	2.0575/2.0585 2.0575/2.0585	0.8900 0.8900
Piston Pin Bushing(6) NOTE: 1961-1964, Requires Light Reaming	C-1	223-3515	STD			0.0365	0.9730/0.9750	1.2000
Piston Pin Bushing(6) NOTE: 1954-1960, Requires Boring	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
Rod Forging C/S Forging	EAA, C1AE, C3AE, EAA-A, EAA-B, EAA-6200B, EAA-6205A, C3AE-620E1, C1AE-6205D1 EAA, EBF, EBP, C1AE-B, C1AE-F, C3AE-M, C3AE-N							
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 95 To 105 Lbs.Ft.							
48	226 CID (3.7L) L-Head 6 Cyl (1947-1951)				3.300in./83.8mm x 4.400in./111.8mm			48
Piston Pin Bushing(6) NOTE: Requires Boring	B	223-3458	STD			0.0375	0.9080	1.3220
49	232 CID (3.8L) V6 Cyl (1982-2004)				3.811in./96.8mm x 3.386in./86mm			49
Rod Bearing(6) NOTE: 1982-1995	AL-5	CB-1283A	STD,.25mm,.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0577	2.4266/2.4274	0.6660
Rod Bearing(6) NOTE: 1982-1995	TM-77	CB-1283P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	2.3099/2.3110	0.0002/0.0031	0.0577	2.4266/2.4274	0.6660
Rod Bearing(6) NOTE: 1996-2004	AL-5	CB-1667A	STD,.25mm,.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0576	2.4266/2.4274	0.7840
Rod Bearing(6) NOTE: 1996-2004	TM-77	CB-1667P	STD,.026mm,.25mm,.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0576	2.4266/2.4274	0.7840
Rod Bearing(6) NOTE: 1996-2004, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	AL-5	CB-1790A	STD,.25mm,.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0586	2.4286/2.4294	0.7840
Rod Bearing(6) NOTE: 1996-2004, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1790P-.25mm .50mm,.75mm	.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0586	2.4286/2.4294	0.7840
Rod Bearing(6) NOTE: 1982-1995, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	AL-5	CB-1796A	STD,.25mm,.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0587	2.4286/2.4294	0.6660
Rod Bearing(6) NOTE: 1982-1995, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1796P-.25mm .50mm,.75mm	.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0587	2.4286/2.4294	0.6660
Main Bearing Set 1-2-4 3	AL-5	MS-1812A-.25mm MB-3187A MB-3188A(F)	.50mm,.75mm	2.5190/2.5198 2.5190/2.5198	0.0005/0.0023 0.0005/0.0023	0.0965 0.0965	2.7120/2.7130 2.7120/2.7130	0.8580 1.1660
Main Bearing Set 1-2-4 3	TM-77	MS-1812P MB-3187P MB-3188P(F)	STD,.25mm,.50mm,.75mm	2.5190/2.5198 2.5190/2.5198	0.0005/0.0023 0.0005/0.0023	0.0965 0.0965	2.7122/2.7130 2.7122/2.7130	0.8580 1.1660
Cam Bearing Set 1-4 2-3 NOTE: 1982-1987	B-1	SH-1197S SH-1197 SH-1198	STD	2.0505/2.0515 2.0505/2.0515	0.0008/0.0040 0.0008/0.0040	0.0698 0.0622	2.1915/2.1925 2.1765/2.1775	0.6500 0.5690



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
49 (Cont.)	232 CID (3.8L) V6 Cyl (1982-2004)			3.811in./96.8mm x 3.386in./86mm				49 (Cont.)
Cam Bearing Set 1-4 2-3	AL-3	SH-1447S SH-1447 SH-1446	STD	2.0505/2.0515 2.0505/2.0515	0.0009/0.0039 0.0009/0.0039	0.0698 0.0622	2.1915/2.1925 2.1765/2.1775	0.6500 0.5500
NOTE: 1988-2004								
Balance Shaft Bearing Set Front - Rear	AL-3	SH-1526S SH-1526	STD	2.0505/2.0515	0.0009/0.0039	0.0698	2.1915/2.1925	0.6600
NOTE: 1988-2004								
Rod Forging C/S Forging	E2AE-AC 1P, E2AE, E3AE, E2AE-AF, E2AE-DB, E3AA-AA, E3AE-AA							
Connecting Rod Main Bearing	31 To 36 Lbs.Ft. 65 To 81 Lbs.Ft.							
50	232 CID (3.8L) Supercharged V6 Cyl (1989-1995)			3.811in./96.8mm x 3.386in./86mm				50
Rod Bearing(6)	AL-5	CB-1283A	STD,.25mm,.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0577	2.4266/2.4274	0.6660
Rod Bearing(6)	TM-77	CB-1283P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	2.3099/2.3110	0.0002/0.0031	0.0577	2.4266/2.4274	0.6660
Rod Bearing(6)	AL-5	CB-1796A	STD,.25mm,.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0587	2.4286/2.4294	0.6660
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1796P-.25mm	.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0587	2.4286/2.4294	0.6660
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2 3 4	TM-77	MS-1782P MB-3187P MB-3188P(F) MB-3138P	STD,.25mm,.50mm,.75mm	2.5190/2.5198 2.5190/2.5198 2.5096/2.5104	0.0005/0.0023 0.0005/0.0023 0.0010/0.0028	0.0965 0.0965 0.1003	2.7122/2.7130 2.7122/2.7130 2.7122/2.7130	0.8580 1.1660 0.8580
NOTE: Bearing Cap May Require Notching, Supercharged								
Cam Bearing Set 1-4 2-3	AL-3	SH-1447S SH-1447 SH-1446	STD	2.0505/2.0515 2.0505/2.0515	0.0009/0.0039 0.0009/0.0039	0.0698 0.0622	2.1915/2.1925 2.1765/2.1775	0.6500 0.5500
Balance Shaft Bearing Set Front - Rear	AL-3	SH-1526S SH-1526	STD	2.0505/2.0515	0.0009/0.0039	0.0698	2.1915/2.1925	0.6600
Piston Pin Bushing(6)	C-1	223-3645	STD			0.0800	1.0294/1.0304	0.9900
NOTE: Requires Light Reaming, Supercharged								
Rod Forging C/S Forging	E2AE-AC 1P, E2AE-DB, E3AA-AA, E9DE-BA, E9DE-BB, E9SE-CB, F0SE-AA, F4SE-BB							
Connecting Rod Main Bearing	31 To 36 Lbs.Ft. 65 To 81 Lbs.Ft.							
51	238 CID (3.9L) OHV V6 Cyl (2004-2005)			3.811in./96.8mm x 3.465in./88mm				51
	256 CID (4.2L) OHV V6 Cyl (1997-2005)			3.811in./96.8mm x 3.740in./95mm				
Rod Bearing(6)	AL-5	CB-1667A	STD,.25mm,.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0576	2.4266/2.4274	0.7840
Rod Bearing(6)	TM-77	CB-1667P	STD,.026mm,.25mm,.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0576	2.4266/2.4274	0.7840
Rod Bearing(6)	AL-5	CB-1790A	STD,.25mm,.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0586	2.4286/2.4294	0.7840
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1790P-.25mm	.50mm,.75mm	2.3099/2.3110	0.0002/0.0031	0.0586	2.4286/2.4294	0.7840
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4 3	AL-5	MS-1812A-.25mm MB-3187A MB-3188A(F)	.50mm,.75mm	2.5190/2.5198 2.5190/2.5198	0.0005/0.0023 0.0005/0.0023	0.0965 0.0965	2.7120/2.7130 2.7120/2.7130	0.8580 1.1660
Main Bearing Set 1-2-4 3	TM-77	MS-1812P MB-3187P MB-3188P(F)	STD,.25mm,.50mm,.75mm	2.5190/2.5198 2.5190/2.5198	0.0005/0.0023 0.0005/0.0023	0.0965 0.0965	2.7122/2.7130 2.7122/2.7130	0.8580 1.1660
Cam Bearing Set 1-4 2-3	AL-3	SH-1447S SH-1447 SH-1446	STD	2.0505/2.0515 2.0505/2.0515	0.0009/0.0039 0.0009/0.0039	0.0698 0.0622	2.1915/2.1925 2.1765/2.1775	0.6500 0.5500
Balance Shaft Bearing Set Front - Rear	AL-3	SH-1526S SH-1526	STD	2.0505/2.0515	0.0009/0.0039	0.0698	2.1915/2.1925	0.6600



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
52	240 CID (4.0L) ,OHV 6 Cyl (1965-1974)				4.000in./101.6mm x 3.188in./80.98mm			52
Rod Bearing(6)	TM-77	CB-699P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0002/0.0028	0.0756	2.2750/2.2758	0.8000
Rod Bearing(6)	TM-77	CB-1799P-10	20,30,40	2.1228/2.1236	0.0002/0.0028	0.0766	2.2770/2.2778	0.8000
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4-6-7 5	TM-77	MS-765P MB-2553P MB-2296P(F)	STD,10,30	2.3982/2.3990 2.3982/2.3990	0.0005/0.0031 0.0005/0.0031	0.0955 0.0955	2.5902/2.5910 2.5902/2.5910	0.9700 1.1950
NOTE: Engines With 3.368" Main Bearing Flange Outside Diameter								
Main Bearing Set 1-2-3-4-6-7 5	TM-77	MS-979P MB-2553P MB-2554P(F)	STD,1,10,20,30,40,C60	2.3982/2.3990 2.3982/2.3990	0.0005/0.0031 0.0005/0.0031	0.0955 0.0955	2.5902/2.5910 2.5902/2.5910	0.9700 1.1950
NOTE: Engines With 3.567" Main Bearing Flange Outside Diameter, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set 1-2-3-4	AL-3	SH-567S SH-567	STD,10	2.0170/2.0180	0.0010/0.0050	0.0625	2.1440/2.1450	0.8700
53	244 CID (4.0L) OHV V6 Cyl (1990-2000)				3.953in./100.4mm x 3.307in./84mm			53
Rod Bearing(6)	TM-77	CB-723P	STD,10,20,30,40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490
Rod Bearing(6)	TM-77	CB-1795P-10	20,30,40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4 3	AL-3	MS-2006P MB-3202P MB-3467P(F)	STD,10,20,30	2.2433/2.2441 2.2433/2.2441	0.0006/0.0032 0.0006/0.0032	0.0711 0.0711	2.3866/2.3874 2.3866/2.3874	0.8500 1.0350
Cam Bearing Set 1 2 3 4	B-1	SH-1441S SH-1441 SH-1442 SH-1443 SH-1444	STD	1.9516/1.9524 1.9374/1.9382 1.9224/1.9232 1.9071/1.9079	0.0010/0.0046 0.0008/0.0044 0.0008/0.0044 0.0010/0.0046	0.0617 0.0614 0.0614 0.0615	2.0768/2.0784 2.0618/2.0634 2.0468/2.0484 2.0319/2.0335	0.7800 0.7050 0.7050 0.5900
Rod Forging C/S Forging	OCB AD, AY, 91K, A1D, A301, B301, 9166N, 97TM-, A-6303, 90-21-0, 90TM-AA, 90TM-AB, 91TM-AA, 96TM-AA, A-6303-A, 91A-6303-A, 91A-6303-B, 91H-6303-B, 90TM-6303-AB, F5TZ-6012-AA							
Connecting Rod Main Bearing	18 To 24 Lbs.Ft. 66 To 77 Lbs.Ft.							
54	244 CID (4.0L) SOHC V6 Cyl (1997-2005) 244 CID (4.0L) SOHC Flex V6 Cyl (2000-2005)				3.953in./100.4mm x 3.307in./84mm 3.953in./100.4mm x 3.307in./84mm			54
Rod Bearing(6)	TM-77	CB-723P	STD,10,20,30,40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490
Rod Bearing(6)	TM-77	CB-1795P-10	20,30,40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4 3	AL-3	MS-2006P MB-3202P MB-3467P(F)	STD,10,20,30	2.2433/2.2441 2.2433/2.2441	0.0006/0.0032 0.0006/0.0032	0.0711 0.0711	2.3866/2.3874 2.3866/2.3874	0.8500 1.0350
Aux. Shaft Bearing Set Front Rear	B-1	SH-1977S SH-1977 SH-1978	STD			0.0610 0.0610	1.8522 1.8072	1.1420 0.9050
55	250 CID (4.1L) 6 Cyl (1969-1980)				3.680in./93.5mm x 3.906in./99.2mm			55
Rod Bearing(6)	TM-77	CB-583P	STD,1,10,20,30,40,G60	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Main Bearing Set 1-2-3-4-6-7 5	TM-77	MS-979P MB-2553P MB-2554P(F)	STD,1,10,20,30,40,C60	2.3982/2.3990 2.3982/2.3990	0.0005/0.0031 0.0005/0.0031	0.0955 0.0955	2.5902/2.5910 2.5902/2.5910	0.9700 1.1950
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3 4	B-1	SH-703S SH-703 SH-412 SH-413 SH-414	STD	1.8095/1.8105 1.8095/1.8105 1.8095/1.8105 1.8095/1.8105	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0833 0.0758 0.0683 0.0608	1.9780/1.9790 1.9630/1.9640 1.9480/1.9490 1.9330/1.9340	0.7300 0.7300 0.7300 0.7300
Rod Forging C/S Forging	C9DE-A, D8DE-AA 2H, 2J, 2N, 2HA, 2NA, 2H-A, 2HAB, 2NAB, 2NABC, C9DE-A							
Connecting Rod Main Bearing	21 To 26 Lbs.Ft. 60 To 70 Lbs.Ft.							



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
56	262 CID (4.3L) ,OHV 6 Cyl (1961-1964)			3.719in./94.5mm x 4.031in./102.4mm				56
Rod Bearing(6)	TM-77	CB-668P	STD,10,20,30,40,C60	2.2980/2.2988	0.0005/0.0031	0.0621	2.4230/2.4238	0.8490
Main Bearing Set 1-2-4 3	TM-77	MS-525P MB-1499P MB-1500P(F)	STD,10,20,30	2.4980/2.4988 2.4980/2.4988	0.0002/0.0024 0.0002/0.0024	0.0963 0.0963	2.6912/2.6920 2.6912/2.6920	1.1050 1.3550
Cam Bearing Set 1-2-3-4	B-1	SH-533S SH-533	STD	1.9260/1.9270	0.0005/0.0045	0.0650	2.0575/2.0585	0.8900
NOTE: Engines With Oil Feed Holes In Camshaft Journals								
Cam Bearing Set 1-2-4 3	B-1	SH-534S SH-533 SH-249	STD	1.9260/1.9270 1.9260/1.9270	0.0005/0.0045 0.0005/0.0045	0.0650 0.0650	2.0575/2.0585 2.0575/2.0585	0.8900 0.8900
NOTE: Except Engines With Oil Feed Holes In Camshaft Journals								
Piston Pin Bushing(6)	C-1	223-3515	STD			0.0365	0.9730/0.9750	1.2000
NOTE: Requires Light Reaming								
Piston Pin Bushing(6)	C-1	223-3609	STD			0.0460	0.9730/0.9750	1.2000
NOTE: Requires Boring								
57	300 CID (4.9L) 6 Cyl (1965-1996) 300 CID (4.9L) LPG 6 Cyl (1965-1996)			4.000in./101.6mm x 3.980in./101.1mm 4.000in./101.6mm x 3.980in./101.1mm				57
Rod Bearing(8)	TM-77	CB-699P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0002/0.0028	0.0756	2.2750/2.2758	0.8000
Rod Bearing(8)	TM-77	CB-1799P-10	20,30,40	2.1228/2.1236	0.0002/0.0028	0.0766	2.2770/2.2778	0.8000
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4-6-7 5	TM-77	MS-765P MB-2553P MB-2296P(F)	STD,10,30	2.3982/2.3990 2.3982/2.3990	0.0005/0.0031 0.0005/0.0031	0.0955 0.0955	2.5902/2.5910 2.5902/2.5910	0.9700 1.1950
NOTE: Engines With 3.368" Main Bearing Flange Outside Diameter								
Main Bearing Set 1-2-3-4-6-7 5	TM-77	MS-979P MB-2553P MB-2554P(F)	STD,1,10,20,30,40,C60	2.3982/2.3990 2.3982/2.3990	0.0005/0.0031 0.0005/0.0031	0.0955 0.0955	2.5902/2.5910 2.5902/2.5910	0.9700 1.1950
NOTE: Engines With 3.567" Main Bearing Flange Outside Diameter, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set 1-2-3-4	AL-3	SH-567S SH-567	STD,10	2.0170/2.0180	0.0010/0.0050	0.0625	2.1440/2.1450	0.8700
NOTE: Thru 5/14/85								
Cam Bearing Set 1-4 2-3	AL-3	SH-1254S SH-1254 SH-567	STD	2.0170/2.0180 2.0170/2.0180	0.0010/0.0050 0.0010/0.0050	0.0695 0.0625	2.1580/2.1589 2.1440/2.1450	0.8700 0.8700
NOTE: From 5/15/85								
58	330 CID (5.4L) 590E Dagenham Diesel 6 Cyl (1960-1966) 330 CID (5.4L) Dagenham Diesel 6 Cyl (1962-1966)			3.938in./100mm x 4.527in./115mm 3.938in./100mm x 4.527in./115mm				58
Rod Bearing(6)	AL-3	CB-489AL	STD,10,20,30	2.4997/2.5005	0.0015/0.0035	0.0724	2.6460/2.6465	1.3400
Thrust Washer Set		TW-120S MB-1739W(L) MB-1739W(U)	STD	3.3150/3.3250 3.3150/3.3250			3.8880/3.8980 3.8880/3.8980	0.0920 0.0920
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-756AL								
C/S Forging C4TE-6303-A								
Connecting Rod 55 To 60 Lbs.Ft. Main Bearing 70 To 75 Lbs.Ft. (1/2" Bolts) Main Bearing 95 To 100 Lbs.Ft. (9/16" Bolts)								
59	401 CID (6.6L) 401D Diesel 6 Cyl			4.400in./111.8mm x 4.406in./112mm				59
Rod Bearing(6)	TM-77	CB-757AL	STD,10,20,30,40	2.7496/2.7504	0.0015/0.0041	0.0943	2.9412/2.9420	1.4100
Main Bearing Set 1-2-3-5-6-7 4	AL-3	MS-977AL MB-2446AL MB-2447AL(F)	STD,10,20,30	3.3714/3.3722 3.3714/3.3722	0.0021/0.0043 0.0021/0.0043	0.1251 0.1251	3.6242/3.6250 3.6242/3.6250	1.1100 1.4550
Cam Bearing(5)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
Main Bearing								
60	401 CID (6.6L) 401DT Turbocharged Diesel 6 Cyl			4.400in./111.8mm x 4.406in./112mm				60
Rod Bearing(6)	TM-77	CB-1210P	STD,10,20,30	2.7496/2.7504	0.0023/0.0045	0.0948	2.9412/2.9420	1.4100



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
60 (Cont.)	401 CID (6.6L) 401DT Turbocharged Diesel 6 Cyl			4.400in./111.8mm x 4.406in./112mm				60 (Cont.)
Main Bearing Set 1-2-3-5-6-7 4	AL-3	MS-977AL MB-2446AL MB-2447AL(F)	STD,10,20,30	3.3714/3.3722 3.3714/3.3722	0.0021/0.0043 0.0021/0.0043	0.1251 0.1251	3.6242/3.6250 3.6242/3.6250	1.1100 1.4550
Cam Bearing(5)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
61	401 CID (6.6L) Brazilian - Turbo Turbocharged Diesel 6 Cyl (1986-1995) 474 CID (7.8L) Brazilian - Turbo Turbocharged Diesel 6 Cyl (1987-1995)			4.400in./111.8mm x 4.400in./111.8mm 4.400in./111.8mm x 5.200in./132mm				61
Rod Bearing(6)	TM-112	CB-1638P	STD,10,20,30	2.7500/2.7504	0.0019/0.0027	0.0947	2.9412/2.9416	1.2500
Main Bearing Set 1-2-3-4-6-7 5	TM-112	MS-2030P MB-4004P MB-4005P(F)	STD,10,20,30	3.3713/3.3723 3.3713/3.3723	0.0019/0.0047 0.0019/0.0047	0.1250 0.1250	3.6242/3.6250 3.6242/3.6250	1.1100 1.4550
Cam Bearing(7)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
C/S Forging E5HN-6303-AC, E5HN-6303-AD, E5HN-6303-CC, E6HN-6303-CB, E6HN-6303-CC								
Connecting Rod 105 To 112 Lbs.Ft. (474 CID (7.8L) Brazilian - Turbo) Connecting Rod 78 To 80 Lbs.Ft. (401 CID (6.6L) Brazilian - Turbo) Main Bearing 140 To 150 Lbs.Ft.								
8 CYL								
62	207 CID (3.4L) DOHC V8 Cyl (1996-1999)			3.189in./81mm x 3.071in./78mm				62
Rod Bearing(8)	TM-77	CB-1772P	STD,.25mm,.50mm,.75mm	1.9670/1.9680	0.0008/0.0034	0.0594	2.0872/2.0880	0.7080
Rod Bearing(6)	TM-77	CB-1845P-.25mm	.50mm,.75mm	1.9670/1.9680	0.0008/0.0034	0.0604	2.0892/2.0900	0.7080
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4-5	TM-77	MS-2214P MB-3750P	STD,.25mm,.50mm,.75mm	2.4790/2.4800	0.0003/0.0018	0.0987	2.6771/2.6779	0.7060
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-607S								
Thrust Washer Set 3		TW-607S MB-3769W	STD					0.0880
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2214P								
Piston Pin Bushing(8)	C-1	223-3651	STD	0.8280		0.1300	0.9510	0.8450
NOTE: Requires Light Reaming								
Rod Forging E 0352 018								
63	221 CID (3.6L) V8 Cyl (1937-1942)			3.063in./77.8mm x 3.750in./95.3mm				63
Piston Pin Bushing(8)	B	223-3451	STD			0.0360	0.8115/0.8125	1.3220
NOTE: Requires Light Reaming, .012" Oversize Outside Diameter								
64	221 CID (3.6L) V8 Cyl (1962-1963) 255 CID (4.2L) V8 Cyl (1980-1982) 260 CID (4.3L) V8 Cyl (1962-1965) 289 CID (4.7L) LPG V8 Cyl (1965-1968) 302 CID (5.0L) V8 Cyl (1968-2001) 302 CID (5.0L) LPG V8 Cyl (1968-1986) 302 CID (5.0L) High Output V8 Cyl (1982-1995)			3.500in./88.9mm x 2.875in./73mm 3.680in./93.5mm x 3.000in./76.2mm 3.800in./96.5mm x 2.870in./72.9mm 4.000in./101.6mm x 2.870in./72.9mm 4.000in./101.6mm x 3.000in./76.2mm 4.000in./101.6mm x 3.000in./76.2mm 4.000in./101.6mm x 3.000in./76.2mm				64
Rod Bearing(8)	AL-5	CB-634A	STD, 10,20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A	STD,10,20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	AL-5	MS-590A-10 MB-2121A MB-2122A(F)	20,30	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
Main Bearing Set 1-2-4-5 3	TM-77	MS-590P MB-2121P MB-2122P(F)	STD,1,10,20,30,40	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
Main Bearing Set 1-2-4-5 3	TM-77	MS-1746P-10 MB-2121P MB-3124P(F)	20,30	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing								



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
64 (Cont.)	221 CID (3.6L) V8 Cyl (1962-1963)			3.500in./88.9mm x 2.875in./73mm				64 (Cont.)
	255 CID (4.2L) V8 Cyl (1980-1982)			3.680in./93.5mm x 3.000in./76.2mm				
	260 CID (4.3L) V8 Cyl (1962-1965)			3.800in./96.5mm x 2.870in./72.9mm				
	289 CID (4.7L) LPG V8 Cyl (1965-1968)			4.000in./101.6mm x 2.870in./72.9mm				
	302 CID (5.0L) V8 Cyl (1968-2001)			4.000in./101.6mm x 3.000in./76.2mm				
	302 CID (5.0L) LPG V8 Cyl (1968-1986)			4.000in./101.6mm x 3.000in./76.2mm				
	302 CID (5.0L) High Output V8 Cyl (1982-1995)			4.000in./101.6mm x 3.000in./76.2mm				
Cam Bearing Set	B-1	SH-510S	STD					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging C/S Forging	C20E, C8DE, C30E-A, C3AE-D, C3AE-J, C80E-A 1J, 1M, 2J, 2M, 2N, 1MA, 2MA, 2NA, 2H-A, 2MAB, 2MAC, 2MAD, 2MAE, 2NAB, C20Z, C2OZ, C30Z, C3OZ, E1AE, E7AE, GS-M, 2NABC, C0E-A, C20E-A, C20Z-A, C2OZ-B, C30E-B, C3AE-F, C3AF-N, C3OZ-B, C80E-B, C9ZE-A, E1AE-AA, E7AE-AA							
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
65	239 CID (3.9L) L-Head V8 Cyl (1939-1953)			3.188in./80.98mm x 3.750in./95.3mm				65
	255 CID (4.2L) L-Head V8 Cyl (1949-1953)			3.188in./80.98mm x 4.000in./101.6mm				
Rod Bearing(8)	TM-77	CB-15P	STD,1,10,20,30,40,C60	2.1380/2.1390	0.0010/0.0035	0.0755	2.2905/2.2910	0.7700
Main Bearing Set	TM-77	MS-109P	STD,10,20					
1-2		MB-352P		2.4980/2.4990	0.0009/0.0035	0.0857	2.6700/2.6720	1.5060
3		MB-1183P(F)		2.4980/2.4990	0.0010/0.0036	0.0857	2.6700/2.6720	2.2510
Cam Bearing Set	B-1	SH-21S	STD					
1-3		SH-21		1.7960/1.7970	0.0010/0.0050	0.0654	1.9275/1.9285	1.6050
2		SH-22		1.7960/1.7970	0.0010/0.0050	0.0655	1.9275/1.9285	1.3200
Piston Pin Bushing(8)	B	223-3451	STD			0.0360	0.8115/0.8125	1.3220
NOTE: Requires Light Reaming								
Rod Forging C/S Forging	8BA, 29A-6200, 99A-6200, 8BA-6200B, 8CM-6200B 29A, 29B, 8BA, 8CM, 91A, 91H, 99A, EAB, IBA, ICM, OBA, 68-6303, 99A-6303, 29A-6303A, 29B-6303B							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
66	239 CID (3.9L) OHV V8 Cyl (1954-1955)			3.500in./88.9mm x 3.100in./78.7mm				66
	256 CID (4.2L) ,JH,JJ V8 Cyl (1954-1955)			3.625in./92.1mm x 3.100in./78.7mm				
	272 CID (4.5L) V8 Cyl (1955-1958)			3.625in./92.1mm x 3.297in./83.8mm				
Rod Bearing(8)	TM-77	CB-461P	STD,1,2,10,20,30,40,50,C60	2.1880/2.1888	0.0005/0.0020	0.0617	2.3120/2.3128	0.7460
Main Bearing Set	TM-77	MS-178P	STD,10,20,30,40,C60					
1-2-4-5		MB-1575P		2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	0.9120
3		MB-1621P(F)		2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	1.1200
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-559S	STD,10					
1		SH-285		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.8900
2-3-4-5		SH-559		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.6300
NOTE: Grooved Number 3 Camshaft Journal								
Piston Pin Bushing(8)	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
NOTE: Requires Boring								
Rod Forging C/S Forging	EBU, ECC, ECE, EDC, C1TE-C, C2AE-A EC, EBU, B3C7, C1TE, C9TE, B4A-B, C1TE-F, C2AE-A, B4A-6303-B, B5A-6303-B, EBU-6303-A							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
67	279 CID (4.6L) V8 Cyl (1952-1955)			3.562in./90.5mm x 3.500in./88.9mm				67
	279 CID (4.6L) OHV V8 Cyl (1953-1955)			3.562in./90.5mm x 3.500in./88.9mm				
	317 CID (5.2L) V8 Cyl (1952-1955)			3.800in./96.5mm x 3.500in./88.9mm				
Rod Bearing(8)	TM-77	CB-462P	STD,10,20	2.2482/2.2490	0.0005/0.0030	0.0757	2.4002/2.4010	0.8140
Piston Pin Bushing(8)	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
NOTE: Requires Boring								



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
67 (Cont.)	279 CID (4.6L) V8 Cyl (1952-1955)				3.562in./90.5mm x 3.500in./88.9mm			67 (Cont.)
	279 CID (4.6L) OHV V8 Cyl (1953-1955)				3.562in./90.5mm x 3.500in./88.9mm			
	317 CID (5.2L) V8 Cyl (1952-1955)				3.800in./96.5mm x 3.500in./88.9mm			
Rod Forging	B5R, ECS, ECS-F, EAD-6200D, EAD-6205A							
C/S Forging	EAD, EAM, EBJ, ECT, EDM, B616, EAB-6303, B5Q-6303A, EAD-6303C, B5A-6303-B, B5Q-6303-A, B5S-6303-A, EAD-6303-C							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	120 To 130 Lbs.Ft.							
68	281 CID (4.6L) DOHC V8 Cyl (1993-2004)				3.551in./90.2mm x 3.542in./90mm			68
	281 CID (4.6L) DOHC Ford V8 Cyl (2003-2004)				3.551in./90.2mm x 3.542in./90mm			
	281 CID (4.6L) DOHC Supercharged/Intercooled V8 Cyl (2003-2004)				3.551in./90.2mm x 3.542in./90mm			
Rod Bearing(8)	TM-77	CB-1442P	STD.,.25mm,.50mm,.75mm	2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270
Rod Bearing(8)	TM-77	CB-1634P-.25mm	.50mm	2.0859/2.0867	0.0011/0.0023	0.0769	2.2408/2.2416	0.8270
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-3	MS-2198AL	STD.,.25mm,.50mm	2.6568/2.6576	0.0005/0.0025	0.0967	2.8505/2.8512	0.7500
1-2-3-4		MB-3772AL						
5		MB-3139W						
5		MB-3773AL(F)		2.6568/2.6576	0.0005/0.0025	0.0967	2.8505/2.8512	0.8910
NOTE: Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position								
Piston Pin Bushing(8)	C-1	223-3620	STD			0.0525	0.8664/0.8668	0.9350
NOTE: Requires Boring								
C/S Forging	F1AE-AE, F1AE-AD-5D, F1AE-AD-7D, F1AE-AD-8D							
69	281 CID (4.6L) SOHC V8 Cyl (1991-2004)				3.551in./90.2mm x 3.542in./90mm			69
Rod Bearing(8)	TM-77	CB-1442P	STD.,.25mm,.50mm,.75mm	2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270
Rod Bearing(8)	TM-77	CB-1634P-.25mm	.50mm	2.0859/2.0867	0.0011/0.0023	0.0769	2.2408/2.2416	0.8270
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-2007P	STD.,.25mm,.50mm,.75mm	2.6567/2.6577	0.0005/0.0025	0.0962	2.8504/2.8513	0.7580
1-2-3-4		MB-3139P						
5		MB-3139W						
5		MB-3140P(F)		2.6567/2.6577	0.0005/0.0025	0.0962	2.8504/2.8513	0.8900
NOTE: VIN W,X, Cast Iron Block,Romeo Engine, Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position								
Main Bearing Set	AL-3	MS-2198AL	STD.,.25mm,.50mm	2.6568/2.6576	0.0005/0.0025	0.0967	2.8505/2.8512	0.7500
1-2-3-4		MB-3772AL						
5		MB-3139W						
5		MB-3773AL(F)		2.6568/2.6576	0.0005/0.0025	0.0967	2.8505/2.8512	0.8910
NOTE: VIN W, Aluminum Block,Romeo Engine, Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position								
Main Bearing Set	TM-77	MS-2202P	STD.,.25mm,.50mm,.75mm	2.6567/2.6577	0.0003/0.0032	0.0962	2.8504/2.8513	0.7580
1		MB-3752P						
2-3-4-5		MB-3139P						
5		MB-3139W		2.6567/2.6577	0.0005/0.0025	0.0962	2.8504/2.8513	0.7580
NOTE: VIN 6,W,X, Windsor Engine, Contains Straight Shell Bearings And 3 Piece Thrust Washer Set, Use In Number 5 Position								
Main Bearing Set	TM-77	MS-2204P	STD.,.25mm,.50mm,.75mm	2.6567/2.6577	0.0005/0.0025	0.0962	2.8504/2.8513	0.7580
1-2-3-4		MB-3139P						
5		MB-3139W						
5		MB-3755P(F)		2.6567/2.6577	0.0005/0.0025	0.0962	2.8504/2.8513	0.8900
NOTE: 1991-1992, VIN W, Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position								
Piston Pin Bushing(8)	C-1	223-3620	STD			0.0525	0.8664/0.8668	0.9350
NOTE: 1991-2003, Requires Boring								
Rod Forging	RFF1AE6205-AD							
C/S Forging	F1AE-AD, F1AE-AE, RFF1AE6306-AD							
Connecting Rod	23 Lbs.Ft. Plus 90 Degrees							
Main Bearing	24 Lbs.Ft. Plus 90 Degrees							
70	281 CID (4.6L) SOHC CNG V8 Cyl (1995-2004)				3.551in./90.2mm x 3.542in./90mm			70
Rod Bearing(8)	TM-77	CB-1442P	STD.,.25mm,.50mm,.75mm	2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270



FORD (Cont.)

COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
70 (Cont.)	281 CID (4.6L) SOHC CNG V8 Cyl (1995-2004)				3.551in./90.2mm x 3.542in./90mm				70 (Cont.)
Rod Bearing(8)	TM-77	CB-1634P-.25mm	.50mm	2.0859/2.0867	0.0011/0.0023	0.0769	2.2408/2.2416	0.8270	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set 1-2-3-4	TM-77	MS-2007P	STD,.25mm,.50mm,.75mm	2.6567/2.6577	0.0005/0.0025	0.0962	2.8504/2.8513	0.7580	
5		MB-3139P						0.1151	
5		MB-3139W		2.6567/2.6577	0.0005/0.0025	0.0962	2.8504/2.8513	0.8900	
NOTE: VIN 9, Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position									
Piston Pin Bushing(8)	C-1	223-3620	STD			0.0525	0.8664/0.8668	0.9350	
NOTE: Requires Boring									
Rod Forging	RFF1AE6205-AD								
C/S Forging	RFF1AE6306-AD								
Connecting Rod	23 Lbs.Ft. Plus 90 Degrees								
Main Bearing	24 Lbs.Ft. Plus 90 Degrees								
71	281 CID (4.6L) SOHC LPG V8 Cyl (1997-1998)				3.551in./90.2mm x 3.542in./90mm				71
	330 CID (5.4L) Triton DOHC Ford Windsor V8 Cyl (1999-2002)				3.550in./90.1mm x 4.165in./105.8mm				
	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor V8 Cyl (1997-2003)				3.551in./90.2mm x 4.161in./105.7mm				
	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor Supercharged V8 Cyl (1999-2003)				3.551in./90.2mm x 4.165in./105.8mm				
	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor Bi-Fuel Gas/CNG; Gas/LPG V8 Cyl (1998-2003)				3.551in./90.2mm x 4.161in./105.7mm				
	330 CID (5.4L) Triton SOHC 16 Valve Ford Windsor CNG V8 Cyl (1997-2003)				3.551in./90.2mm x 4.161in./105.7mm				
Rod Bearing(8)	TM-77	CB-1442P	STD,.25mm,.50mm,.75mm	2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270	
Rod Bearing(8)	TM-77	CB-1634P-.25mm	.50mm	2.0859/2.0867	0.0011/0.0023	0.0769	2.2408/2.2416	0.8270	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set 1	TM-77	MS-2202P	STD,.25mm,.50mm,.75mm	2.6567/2.6577	0.0003/0.0032	0.0962	2.8504/2.8513	0.7580	
2-3-4-5		MB-3752P							
5		MB-3139P		2.6567/2.6577	0.0005/0.0025	0.0962	2.8504/2.8513	0.7580	
5		MB-3139W						0.1151	
NOTE: VIN 9, Contains Straight Shell Bearings And 3 Piece Thrust Washer Set, Use In Number 5 Position									
Piston Pin Bushing(8)	C-1	223-3620	STD			0.0525	0.8664/0.8668	0.9350	
NOTE: Requires Boring									
72	281 CID (4.6L) SOHC 24 Valve V8 Cyl (2005-2006)				3.551in./90.2mm x 3.540in./89.9mm				72
Rod Bearing(8)	TM-77	CB-1442P	STD,.25mm,.50mm,.75mm	2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270	
Rod Bearing(8)	TM-77	CB-1634P-.25mm	.50mm	2.0859/2.0867	0.0011/0.0023	0.0769	2.2408/2.2416	0.8270	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set 1-5	AL-3	MS-2259A	STD,.25mm,.50mm	2.6567/2.6577	0.0003/0.0028	0.0962	2.8504/2.8513	0.7220	
2-3-4		MB-3841A							
5		MB-3139A		2.6567/2.6577	0.0003/0.0028	0.0962	2.5804/2.5813	0.7580	
5		MB-3842A(F)		2.6567/2.6577	0.0003/0.0028	0.0962	2.5804/2.5813	0.8910	
5		MB-3139W						0.1151	
NOTE: Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 5 Position									
Piston Pin Bushing(8)		223-3620	STD			0.0525	0.8664/0.8668	0.9350	
NOTE: Requires Boring									
73	289 CID (4.7L) V8 Cyl (1963-1968)				4.000in./101.6mm x 2.870in./72.9mm				73
Rod Bearing(8)	AL-5	CB-634A	STD,10,20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260	
NOTE: VIN A,C,D									
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260	
NOTE: VIN A,C,D									
Rod Bearing(8)	TM-77	CB-676P	STD,10,20,30	2.1228/2.1236	0.0004/0.0030	0.0573	2.2390/2.2398	0.7260	
NOTE: VIN A,D,K									
Rod Bearing(8)	AL-5	CB-1778A	STD,10,20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260	
NOTE: VIN A,C,D, Connecting Rods With Housing Bore Resized .002" Larger Than Stock									



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
73 (Cont.)	289 CID (4.7L) V8 Cyl (1963-1968)				4.000in./101.6mm x 2.870in./72.9mm			73 (Cont.)
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-590A-10	20,30					
1-2-4-5		MB-2121A		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122A(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-590P	STD,1,10,20,30,40					
1-2-4-5		MB-2121P		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-1746P-10	20,30					
1-2-4-5		MB-2121P		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-3124P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-510S	STD					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
C/S Forging C2OZ, C3OZ, C2OE-A, C2OZ-B, C3AF-N, C3OE-B, C3OZ-B								
Connecting Rod 40 To 45 Lbs.Ft.								
Main Bearing 60 To 70 Lbs.Ft.								
74	292 CID (4.8L) V8 Cyl (1955-1964)				3.750in./95.3mm x 3.297in./83.8mm			74
Rod Bearing(8)	TM-77	CB-461P	STD,1,2,10,20,30,40,50,C60	2.1880/2.1888	0.0005/0.0020	0.0617	2.3120/2.3128	0.7460
Main Bearing Set	TM-77	MS-178P	STD,10,20,30,40,C60					
1-2-4-5		MB-1575P		2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	0.9120
3		MB-1621P(F)		2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	1.1200
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-559S	STD,10					
1		SH-285		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.8900
2-3-4-5		SH-559		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.6300
NOTE: Grooved Number 3 Camshaft Journal								
Piston Pin Bushing(8)	C-1	223-3515	STD			0.0365	0.9730/0.9750	1.2000
NOTE: 1961-1964, Requires Light Reaming, 1.190" Length								
Piston Pin Bushing(8)	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
NOTE: 1955-1960, Requires Boring, 1.240" Length								
Rod Forging EBU, ECC, ECE, EDC, C1TE-C, C2AE-A								
C/S Forging EC, B616, C1TE, C1TE-F, C2AE-A, C9TE-A, C1TE-F1, B5A-6303-B, B5Q-6303-A, B5S-6303-A, ECG-6303-B, ECK-6303-B, C1TE-6303F1								
Connecting Rod 45 To 50 Lbs.Ft.								
Main Bearing 95 To 105 Lbs.Ft.								
75	302 CID (5.0L) Boss V8 Cyl (1969-1971)				4.000in./101.6mm x 3.000in./76.2mm			75
Rod Bearing(8)	TM-77	CB-676P	STD,10,20,30	2.1228/2.1236	0.0004/0.0030	0.0573	2.2390/2.2398	0.7260
Main Bearing Set	AL-5	MS-590A-10	20,30					
1-2-4-5		MB-2121A		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122A(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-590P	STD,1,10,20,30,40					
1-2-4-5		MB-2121P		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-1746P-10	20,30					
1-2-4-5		MB-2121P		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-3124P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-510S	STD					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
75 (Cont.)	302 CID (5.0L) Boss V8 Cyl (1969-1971)				4.000in./101.6mm x 3.000in./76.2mm			75 (Cont.)
C/S Forging C9ZE-6303-A, D0ZE-6303-A								
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 60 To 70 Lbs.Ft.								
76	302 CID (5.0L) OHV V8 Cyl (1956-1963)				3.625in./92.1mm x 3.656in./92.9mm			76
Rod Bearing(8)	TM-77	CB-462P	STD,10,20	2.2482/2.2490	0.0005/0.0030	0.0757	2.4002/2.4010	0.8140
Cam Bearing Set	B-1	SH-343S	STD					
1		SH-343		2.4738/2.4748	0.0010/0.0050	0.0618	2.5995/2.6005	0.7700
2-3-4		SH-344		2.1238/2.1248	0.0010/0.0050	0.0618	2.2495/2.2505	0.7700
5		SH-250		2.1238/2.1248	0.0010/0.0050	0.0618	2.2495/2.2505	0.8900
Piston Pin Bushing(8)	C-1	223-3515	STD			0.0365	0.9730/0.9750	1.2000
NOTE: 1961-1963, Requires Light Reaming								
Piston Pin Bushing(8)	C-1	223-3609	STD			0.0460	0.9730/0.9750	1.2000
NOTE: Requires Boring								
Rod Forging B5R, EAD, ECS, ECS-F, B5R-6200A, EAD-6200D, EAD-6205A C/S Forging ECS, ECU, C2TE-C, C2TE-D, 5750174, ECU-6303, EBU-6303B, ECT-6303C, C2TE-6303C, C3TE-6303B, C3TE-6303C, C3TE-6303D, EBU-6303-B, C2TE-6303-C, C3TE-6303-B, C3TE-6303-C, C3TE-6303-D								
Connecting Rod 45 To 50 Lbs.Ft.								
77	312 CID (5.1L) V8 Cyl (1956-1960) 312 CID (5.1L) Supercharged V8 Cyl (1957)				3.800in./96.5mm x 3.438in./87.3mm 3.800in./96.5mm x 3.438in./87.3mm			77
Rod Bearing(8)	TM-77	CB-461P	STD,1,2,10,20,30,40,50,C60	2.1880/2.1888	0.0005/0.0020	0.0617	2.3120/2.3128	0.7460
Main Bearing Set	TM-77	MS-195P-10	20					
1-2-4-5		MB-1717P		2.6235/2.6243	0.0005/0.0029	0.0959	2.8160/2.8168	0.8720
3		MB-1718P(F)		2.6235/2.6243	0.0005/0.0029	0.0959	2.8160/2.8168	1.1200
Cam Bearing Set	B-1	SH-559S	STD,10					
1		SH-285		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.8900
2-3-4-5		SH-559		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.6300
Piston Pin Bushing(8)	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
NOTE: Requires Boring								
Rod Forging ECZ, ECZ-6205B C/S Forging ECE, ECG, ECK, ECZ								
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 95 To 105 Lbs.Ft.								
78	330 CID (5.4L) ,OHV V8 Cyl (1964-1978) 361 CID (5.9L) OHV V8 Cyl (1964-1978) 391 CID (6.4L) OHV V8 Cyl (1964-1978)				3.875in./98.4mm x 3.500in./88.9mm 4.050in./102.9mm x 3.500in./88.9mm 4.050in./102.9mm x 3.781in./96mm			78
Rod Bearing(8)	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
Rod Bearing(8)	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-685P	STD,1,10,20,30,40,C60					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2235P(F)		2.7484/2.7492	0.0009/0.0035	0.0957	2.9412/2.9420	1.1180
NOTE: .060" Undersize Set Contains .019" Oversize Length Flange Bearing,Contains 3.764"/3.824" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Main Bearing Set	TM-77	MS-863P	STD,1,10,20,30,40					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2442P(F)		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	1.1180
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing,Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Cam Bearing Set	B-1	SH-781S	STD					
1		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-377		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-378		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-379		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-380		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
78 (Cont.)	330 CID (5.4L) ,OHV V8 Cyl (1964-1978)			3.875in./98.4mm x 3.500in./88.9mm				78 (Cont.)
	361 CID (5.9L) OHV V8 Cyl (1964-1978)			4.050in./102.9mm x 3.500in./88.9mm				
	391 CID (6.4L) OHV V8 Cyl (1964-1978)			4.050in./102.9mm x 3.781in./96mm				
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: Requires Light Reaming								
Piston Pin Bushing(8)	B	223-3598	STD			0.0411	1.0360/1.0380	1.1900
NOTE: Requires Boring								
Rod Forging C/S Forging	C2AE-B, C3AE-C, C5AE-B, C6AE-C, C6AE-H, C7AE-B, C7TE-B 2T, 2TA, EDD, C7TE, C0AE-B, C3AE-A, C4AE-A, C4TE-A, C4TE-B, C4TE-D, C5AE-A, C6AE-D, C6TE-A, C6TE-C, C6TE-D, C6TE-E, C7TE-A, C7TE-B, C7TE-E, D0TE-A, D1TE-A, D1TE-B, D2TE-A, DOTE-A, C7TE-EA, D2TE-AA, D2TE-EA, D3TE-AA							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.							
79	332 CID (5.4L) V8 Cyl (1956-1963)			3.800in./96.5mm x 3.656in./92.9mm				79
Rod Bearing(8)	TM-77	CB-462P	STD,10,20	2.2482/2.2490	0.0005/0.0030	0.0757	2.4002/2.4010	0.8140
Cam Bearing Set 1	B-1	SH-343S	STD	2.4738/2.4748	0.0010/0.0050	0.0618	2.5995/2.6005	0.7700
2-3-4		SH-344		2.1238/2.1248	0.0010/0.0050	0.0618	2.2495/2.2505	0.7700
5		SH-250		2.1238/2.1248	0.0010/0.0050	0.0618	2.2495/2.2505	0.8900
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: 1958-1959, Requires Light Reaming								
Piston Pin Bushing(8)	C-1	223-3515	STD			0.0365	0.9730/0.9750	1.2000
NOTE: 1961-1963, Requires Light Reaming								
Piston Pin Bushing(8)	C-1	223-3609	STD			0.0460	0.9730/0.9750	1.2000
NOTE: 1956-1960, Requires Boring								
Rod Forging C/S Forging	B5R, EAD, ECS, ECS-F, B5R-6200A, EAD-6200D, EAD-6205A ECS, ECU, C2TE-C, C2TE-D, 5750174, ECU-6303, EBU-6303B, ECT-6303C, C2TE-6303C, C3TE-6303B, C3TE-6303C, C3TE-6303D							
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 120 To 130 Lbs.Ft.							
80	332 CID (5.4L) V8 Cyl (1958-1959)			4.000in./101.6mm x 3.297in./83.8mm				80
Rod Bearing(8)	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
Rod Bearing(8)	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	TM-77	MS-445P	STD,10,20	2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2441P		2.7484/2.7492	0.0007/0.0033	0.0958	2.9412/2.9420	1.1180
NOTE: Contains 3.614"/3.684" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Cam Bearing Set 1	B-1	SH-781S	STD	2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-781		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-377		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-378		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-379		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
Piston Pin Bushing(8)	C-1	223-3515	STD			0.0365	0.9730/0.9750	1.2000
NOTE: Requires Light Reaming								
Piston Pin Bushing(8)	C-1	223-3609	STD			0.0460	0.9730/0.9750	1.2000
NOTE: Requires Boring								
C/S Forging	EDC, EBU-6303-B							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.							
81	341 CID (5.6L) V8 Cyl (1955)			3.938in./100mm x 3.500in./88.9mm				81
Rod Bearing(8)	TM-77	CB-462P	STD,10,20	2.2482/2.2490	0.0005/0.0030	0.0757	2.4002/2.4010	0.8140
Rod Forging C/S Forging	B5R, ECS, ECS-F, EAD-6200D, EAD-6205A EAD, EAM, EBJ, ECT, EDM, B616, EAB-6303, B5Q-6303A, EAD-6303C, B5A-6303-B, B5Q-6303-A, B5S-6303-A, EAD-6303-C							



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
81 (Cont.)	341 CID (5.6L) V8 Cyl (1955)			3.938in./100mm x 3.500in./88.9mm				81 (Cont.)
Connecting Rod		45 To 50 Lbs.Ft.						
Main Bearing		120 To 130 Lbs.Ft.						
82	351 CID (5.8L) Ford Cleveland LPG V8 Cyl (1971-1974)			4.000in./101.6mm x 3.500in./88.9mm				82
	351 CID (5.8L) 351C Ford Cleveland V8 Cyl (1970-1974)			4.000in./101.6mm x 3.500in./88.9mm				
	351 CID (5.8L) Boss Ford Cleveland V8 Cyl (1971)			4.000in./101.6mm x 3.500in./88.9mm				
	351 CID (5.8L) Cobra Jet Ford Cleveland V8 Cyl (1973-1974)			4.000in./101.6mm x 3.500in./88.9mm				
	351 CID (5.8L) High Output Ford Cleveland V8 Cyl (1972)			4.000in./101.6mm x 3.500in./88.9mm				
Rod Bearing(8)	TM-77	CB-927P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0625	2.4361/2.4369	0.7260
Main Bearing Set		TM-77	MS-1010P	STD,10,20,30				
1-2-4-5			MB-2560P		2.7484/2.7492	0.0005/0.0030	0.0962	2.9417/2.9425
3			MB-2561P(F)		2.7484/2.7492	0.0005/0.0030	0.0962	2.9417/2.9425
Cam Bearing Set		B-1	SH-710S	STD,10				
1			SH-710		2.1240/2.1250	0.0005/0.0045	0.0619	2.2495/2.2505
2			SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900
3			SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750
4			SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600
5			SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450
Rod Forging		DOAE-A						
C/S Forging		4M, 4MA, 4MAB, DOAE-A						
Connecting Rod		40 To 45 Lbs.Ft.						
Main Bearing		95 To 105 Lbs.Ft.						
83	351 CID (5.8L) Ford Windsor LPG V8 Cyl (1969-1994)			4.000in./101.6mm x 3.500in./88.9mm				83
	351 CID (5.8L) 351W Ford Windsor V8 Cyl (1969-1998)			4.000in./101.6mm x 3.500in./88.9mm				
Rod Bearing(8)	AL-5	CB-831A	STD,10,20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A	STD,10,20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set		TM-77	MS-981P	STD,1,10,20,30,40				
1-2-4-5			MB-2557P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930
3			MB-2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930
NOTE: Full Grooved Main Bearings								
Main Bearing Set		AL-5	MS-1432A-10	20,30				
1-2-4-5			MB-2754A		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930
3			MB-2558A(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930
NOTE: Partial Grooved Main Bearings								
Main Bearing Set		TM-77	MS-1432P	STD,1,10,20,30,40				
1-2-4-5			MB-2754P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930
3			MB2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930
NOTE: Partial Grooved Main Bearings								
Cam Bearing Set		B-1	SH-510S	STD				
1			SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051
2			SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900
3			SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750
4			SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600
5			SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450
Rod Forging		C90E, C90E, D60E, D60E						
C/S Forging		3C, 3M, 7M, 3MA, 7MA, C90E-A						
Connecting Rod		40 To 45 Lbs.Ft.						
Main Bearing		95 To 105 Lbs.Ft.						
84	351 CID (5.8L) 351M V8 Cyl (1975-1982)			4.000in./101.6mm x 3.500in./88.9mm				84
	351 CID (5.8L) 351M LPG V8 Cyl (1975-1982)			4.000in./101.6mm x 3.500in./88.9mm				
	400 CID (6.6L) OHV V8 Cyl (1971-1982)			4.000in./101.6mm x 4.000in./101.6mm				
	400 CID (6.6L) OHV LPG V8 Cyl (1972-1982)			4.000in./101.6mm x 4.000in./101.6mm				
Rod Bearing(8)	TM-77	CB-927P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0625	2.4361/2.4369	0.7260



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
84 (Cont.)	351 CID (5.8L) 351M V8 Cyl (1975-1982)				4.000in./101.6mm x 3.500in./88.9mm			84 (Cont.)
	351 CID (5.8L) 351M LPG V8 Cyl (1975-1982)				4.000in./101.6mm x 3.500in./88.9mm			
	400 CID (6.6L) OHV V8 Cyl (1971-1982)				4.000in./101.6mm x 4.000in./101.6mm			
	400 CID (6.6L) OHV LPG V8 Cyl (1972-1982)				4.000in./101.6mm x 4.000in./101.6mm			
Main Bearing Set	TM-77	MS-981P	STD,1,10,20,30,40					
1-2-4-5		MB-2557P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Full Grooved Main Bearings								
Main Bearing Set	AL-5	MS-1432A-10	20,30					
1-2-4-5		MB-2754A		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558A(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Partial Grooved Main Bearings								
Main Bearing Set	TM-77	MS-1432P	STD,1,10,20,30,40					
1-2-4-5		MB-2754P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Partial Grooved Main Bearings								
Cam Bearing Set	B-1	SH-710S	STD					
1		SH-710		2.1240/2.1250	0.0005/0.0045	0.0619	2.2495/2.2505	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	D1AE-A							
C/S Forging	1K, 5M, 8M, SM, 1KA, 5MA, 5MAB, D7AE, 5MABC, D7AE-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	35 To 45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	95 To 105 Lbs.Ft. (1/2" Bolts)							
85	351 CID (5.8L) High Output Cobra V8 Cyl (1995)				4.000in./101.6mm x 3.500in./88.9mm			85
	351 CID (5.8L) High Performance Ford Windsor V8 Cyl (1993-1996)				4.000in./101.6mm x 3.500in./88.9mm			
Rod Bearing(8)	AL-5	CB-831A	STD,10,20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A	STD,10,20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-1432A-10	20,30					
1-2-4-5		MB-2754A		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558A(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Partial Grooved Main Bearings								
Main Bearing Set	TM-77	MS-1432P	STD,1,10,20,30,40					
1-2-4-5		MB-2754P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Partial Grooved Main Bearings								
Cam Bearing Set	B-1	SH-510S	STD					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
C/S Forging	E4AE-BA							
86	352 CID (5.8L) V8 Cyl (1958-1967)				4.000in./101.6mm x 3.500in./88.9mm			86
Rod Bearing(8)	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
Rod Bearing(8)	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-445P	STD,10,20					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-1825P(F)		2.7484/2.7492	0.0007/0.0033	0.0958	2.9412/2.9420	1.1180
NOTE: 1958-1963, Contains 3.614"/3.684" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
86 (Cont.)	352 CID (5.8L) V8 Cyl (1958-1967)			4.000in./101.6mm x 3.500in./88.9mm				86 (Cont.)
Main Bearing Set 1-2-4-5 3	TM-77	MS-685P MB-2441P MB-2235P(F)	STD,1,10,20,30,40,C60	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0009/0.0035	0.0961 0.0957	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
NOTE: 1964-1965, .060" Undersize Set Contains .019" Oversize Length Flange Bearing,Contains 3.764"/3.824" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Main Bearing Set 1-2-4-5 3	TM-77	MS-863P MB-2441P MB-2442P(F)	STD,1,10,20,30,40	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0005/0.0032	0.0961 0.0961	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
NOTE: 1966-1967, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing,Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Cam Bearing Set 1 2 3 4 5	B-1	SH-781S SH-781 SH-377 SH-378 SH-379 SH-380	STD	2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0919 0.0844 0.0769 0.0694 0.0619	2.3095/2.3105 2.2945/2.2955 2.2795/2.2805 2.2645/2.2655 2.2495/2.2505	0.6300 0.6300 0.6300 0.6300 0.5700
Piston Pin Bushing(8) NOTE: Requires Light Reaming	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
Piston Pin Bushing(8) NOTE: Requires Boring	B	223-3598	STD			0.0411	1.0360/1.0380	1.1900
Rod Forging C/S Forging	EDC, C0AE, C1AE-A, C7TE-A, C1AE-6205A A, 2T, 2TA, EDD, C3AE, C4AE, C5AE, C0AE-B							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.							
87	359 CID (5.9L) OHV V8 Cyl (1974-1975) 360 CID (5.9L) V8 Cyl (1976) 389 CID (6.4L) OHV V8 Cyl (1975-1978) 410 CID (6.7L) V8 Cyl (1966-1967) 428 CID (7.0L) ,OHV V8 Cyl 428 CID (7.0L) Cobra Jet V8 Cyl (1966-1970) 428 CID (7.0L) Super Cobra Jet V8 Cyl (1969-1970) 428 CID (7.0L) Thunderbird V8 Cyl (1966-1968)			4.050in./102.9mm x 3.500in./88.9mm 4.050in./102.9mm x 3.500in./88.9mm 4.050in./102.9mm x 3.781in./96mm 4.050in./102.9mm x 3.984in./101.2mm 4.130in./104.9mm x 3.984in./101.2mm 4.130in./104.9mm x 3.984in./101.2mm 4.130in./104.9mm x 3.984in./101.2mm 4.130in./104.9mm x 3.984in./101.2mm				87
Rod Bearing(8)	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
Rod Bearing(8) NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
Main Bearing Set 1-2-4-5 3	TM-77	MS-863P MB-2441P MB-2442P(F)	STD,1,10,20,30,40	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0005/0.0032	0.0961 0.0961	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing,Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Cam Bearing Set 1 2 3 4 5	B-1	SH-781S SH-781 SH-377 SH-378 SH-379 SH-380	STD	2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0919 0.0844 0.0769 0.0694 0.0619	2.3095/2.3105 2.2945/2.2955 2.2795/2.2805 2.2645/2.2655 2.2495/2.2505	0.6300 0.6300 0.6300 0.6300 0.5700
Piston Pin Bushing(8) NOTE: Requires Light Reaming, .966" Inside Diameter,1.037" Outside Diameter,1.240" Length	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
Piston Pin Bushing(8) NOTE: Requires Boring, .960" Inside Diameter,1.042" Outside Diameter,1.190" Length	B	223-3598	STD			0.0411	1.0360/1.0380	1.1900
Rod Forging C/S Forging	EDC, COME, C1AE-A, C2AE-B, C3AE-B, C3AE-C, C3AE-F, C3VE-A, C5AE-B, C6AE-A, C6AE-C, C7AE-B, C7AE-C, C7TE-A, C3AE-6200B, C3AE-6205A, C3VY-6200A 1U, 2T, 1UA, 1UB, 2TA, EDD, C0AE-B, C3AE-A, C4AE-A, C5AE-A, C8AE-A							



FORD (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
87 (Cont.)	359 CID (5.9L) OHV V8 Cyl (1974-1975)				4.050in./102.9mm x 3.500in./88.9mm				87 (Cont.)
	360 CID (5.9L) V8 Cyl (1976)				4.050in./102.9mm x 3.500in./88.9mm				
	389 CID (6.4L) OHV V8 Cyl (1975-1978)				4.050in./102.9mm x 3.781in./96mm				
	410 CID (6.7L) V8 Cyl (1966-1967)				4.050in./102.9mm x 3.984in./101.2mm				
	428 CID (7.0L) ,OHV V8 Cyl				4.130in./104.9mm x 3.984in./101.2mm				
	428 CID (7.0L) Cobra Jet V8 Cyl (1966-1970)				4.130in./104.9mm x 3.984in./101.2mm				
	428 CID (7.0L) Super Cobra Jet V8 Cyl (1969-1970)				4.130in./104.9mm x 3.984in./101.2mm				
428 CID (7.0L) Thunderbird V8 Cyl (1966-1968)				4.130in./104.9mm x 3.984in./101.2mm					
Connecting Rod		40 To 45 Lbs.Ft.							
Main Bearing		95 To 105 Lbs.Ft.							
88	361 CID (5.9L) Super Express V8 Cyl (1958-1959)				4.050in./102.9mm x 3.500in./88.9mm				88
Rod Bearing(8)	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340	
Rod Bearing(8)	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set 1-2-4-5	TM-77	MS-445P	STD,10,20	2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120	
3		MB-2441P MB-1825P(F)		2.7484/2.7492	0.0007/0.0033	0.0958	2.9412/2.9420	1.1180	
NOTE: Contains 3.614"/3.684" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings									
Cam Bearing Set 1	B-1	SH-781S	STD	2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300	
2		SH-781		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300	
3		SH-377		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300	
4		SH-378		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300	
5		SH-379		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700	
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500	
NOTE: Requires Light Reaming									
Piston Pin Bushing(8)	B	223-3598	STD			0.0411	1.0360/1.0380	1.1900	
NOTE: Requires Boring									
Connecting Rod		40 To 45 Lbs.Ft.							
Main Bearing		95 To 105 Lbs.Ft.							
89	363 CID/5954CC (6.0L) Power-Stroke/VT365 International Turbocharged/ Intercooled Diesel V8 Cyl (2003-2006)				3.740in./95mm x 4.134in./105mm				89
Rod Bearing(8)	TM-77	CB-1814P	STD,.25mm,.50mm,.75mm	2.7165/2.7170	0.0006/0.0035	0.0780	2.8735/2.8744	0.8310	
Rod Bearing(8)	TM-77	CB-1815P-.25mm	.50mm,.75mm	2.7165/2.7170	0.0006/0.0035	0.0790	2.8755/2.8764	0.8310	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set 1-2-3-5	TM-77	MS-2223P	STD,.25mm,.50mm,.75mm	3.1886/3.1894	0.0015/0.0041	0.0976	3.3854/3.3862	0.8465	
4		MB-3787P MB-3788P(F)		3.1886/3.1894	0.0015/0.0041	0.0976	3.3854/3.3862	1.1180	
Cam Bearing Set 1-2-3-4-5	B-1	SH-1996S	STD	2.4404/2.4415	0.0013/0.0060	0.0774	2.5976/2.5992	0.7480	
Piston Pin Bushing(8)	C-1	223-3671	STD	1.3384/1.3413		0.0740		1.0450	
NOTE: 2003-2005, Requires Boring									
90	368 CID (6.0L) V8 Cyl (1956-1957)				4.000in./101.6mm x 3.656in./92.9mm				90
Rod Bearing(8)	TM-77	CB-462P	STD,10,20	2.2482/2.2490	0.0005/0.0030	0.0757	2.4002/2.4010	0.8140	
Cam Bearing Set 1-5	B-1	SH-344S	STD	2.1238/2.1248	0.0010/0.0050	0.0618	2.2495/2.2505	0.8900	
2-3-4		SH-250 SH-344		2.1238/2.1248	0.0010/0.0050	0.0618	2.2495/2.2505	0.7700	
Rod Forging	B5R, EAD, ECS, ECS-F, B5R-6200A, EAD-6200D, EAD-6205A								
C/S Forging	ECS, ECU, C2TE-C, C2TE-D, 5750174, ECU-6303, EBU-6303B, ECT-6303C, C2TE-6303C, C3TE-6303B, C3TE-6303C, C3TE-6303D								
Connecting Rod		45 To 50 Lbs.Ft.							
Main Bearing		120 To 130 Lbs.Ft.							



FORD (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
91	370 CID (6.1L) ,OHV V8 Cyl (1979-1991)				4.046in./102.8mm x 3.590in./91.2mm				91
	429 CID (7.0L) V8 Cyl (1979-1993)				4.360in./110.7mm x 3.590in./91.2mm				
	429 CID (7.0L) Boss,Special V8 Cyl (1969-1970)				4.360in./110.7mm x 3.590in./91.2mm				
	429 CID (7.0L) Cobra Jet V8 Cyl (1970-1973)				4.360in./110.7mm x 3.590in./91.2mm				
	429 CID (7.0L) OHV V8 Cyl (1979-1998)				4.360in./110.7mm x 3.590in./91.2mm				
	429 CID (7.0L) OHV LPG V8 Cyl (1990-1998)				4.360in./110.7mm x 3.590in./91.2mm				
	429 CID (7.0L) Super Cobra Jet V8 Cyl (1971)				4.360in./110.7mm x 3.590in./91.2mm				
	429 CID (7.0L) Thunder Jet V8 Cyl (1968-1973)				4.360in./110.7mm x 3.590in./91.2mm				
	460 CID (7.5L) V8 Cyl (1968-1998)				4.360in./110.7mm x 3.850in./97.8mm				
460 CID (7.5L) LPG V8 Cyl (1973-1992)				4.360in./110.7mm x 3.850in./97.8mm					
Rod Bearing(8) TM-77 CB-818P STD,1,10,20,30,40 NOTE: Except Engine Tag 820S				2.4992/2.5000	0.0005/0.0031	0.0761	2.6522/2.6530	0.8660	
Rod Bearing(8) TM-77 CB-1802P-10 20,30 NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock,Except Engine Tag 820S				2.4992/2.5000	0.0005/0.0031	0.0771	2.6542/2.6550	0.8660	
Main Bearing Set TM-77 MS-1039P STD,1,10,20,30,40 1-2-4-5 MB-2564P 3 MB-2565P(F)				2.9994/3.0002 2.9994/3.0002	0.0007/0.0033 0.0007/0.0033	0.0958 0.0958	3.1922/3.1930 3.1922/3.1930	0.9500 1.1200	
Cam Bearing Set AL-3 SH-1111S STD,10 1-2-3-4-5 SH-1111				2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.6000	
Cam Bearing Set AL-3 SH-1766S STD 1-2-3-4-5 SH-1766 NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.2645"/2.2655"				2.1238/2.1248	0.0011/0.0050	0.0694	2.2645/2.2655	0.6300	
Rod Forging C8VE, D6VE, D9TE, C8VE-A, D00E-A C/S Forging H, 1V, 2Y, 3Y, 4U, 1VA, 2YA, 30R, 31M, 4UA, 4UB, ZYA, 1VAB, 1YAB, 2YAB, 3YAB, 4UAB, C8VE, 2NABC, 2YABC, 31-87, 3281N, C8SE-A, C8VE-A, C9AE-A, C9AE-B, D9TE-B, 2Y68-76, 329880N, D9TE-AA, D9TE-BA, D9TE-EA									
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 95 To 105 Lbs.Ft.									
92	383 CID (6.3L) V8 Cyl (1958-1960)				4.300in./109.2mm x 3.297in./83.8mm				92
	410 CID (6.7L) OHV V8 Cyl (1958)				4.203in./106.8mm x 3.703in./94.1mm				
	430 CID (7.0L) V8 Cyl (1958-1965)				4.300in./109.2mm x 3.703in./94.1mm				
	462 CID (7.6L) V8 Cyl (1966-1968)				4.380in./111.3mm x 3.830in./97.3mm				
Rod Bearing(8) TM-77 CB-521P STD,10				2.5992/2.6000	0.0007/0.0033	0.0760	2.7522/2.7530	0.8620	
C/S Forging EDF, EDG, EDJ, EDS, C1VE, C2VE, C3VE, C1VE-A, C2VE-A, C3VE-A, C9ZE-C, C9ZE-D, EDG-6303, C6VE-6303-A									
Connecting Rod 40 To 45 Lbs.Ft. (462 CID (7.6L)) Connecting Rod 45 To 50 Lbs.Ft. (383 CID (6.3L) ,410 CID (6.7L) OHV,430 CID (7.0L)) Main Bearing 95 To 105 Lbs.Ft.									
93	390 CID (6.4L) V8 Cyl (1961-1976)				4.050in./102.9mm x 3.781in./96mm				93
Rod Bearing(8) TM-77 CB-756P STD,10,20 NOTE: 1961-1963, Special Engine				2.4380/2.4388	0.0024/0.0050	0.0750	2.5907/2.5915	0.7460	
Rod Bearing(8) TM-77 CB-760P STD,1,2,10,20,30,40,C50,C60 NOTE: Except Special Engine				2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340	
Rod Bearing(8) TM-77 CB-1801P-10 20,30,40 NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock,Except Special Engine				2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340	
Main Bearing Set TM-77 MS-445P STD,10,20 1-2-4-5 MB-2441P 3 MB-1825P(F) NOTE: 1961-1963, Contains 3.614"/3.684" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings				2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0007/0.0033	0.0961 0.0958	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180	
Main Bearing Set TM-77 MS-685P STD,1,10,20,30,40,C60 1-2-4-5 MB-2441P 3 MB-2235P(F) NOTE: 1964-1965, .060" Undersize Set Contains .019" Oversize Length Flange Bearing,Contains 3.764"/3.824" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings				2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0009/0.0035	0.0961 0.0957	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180	
Main Bearing Set TM-77 MS-863P STD,1,10,20,30,40 1-2-4-5 MB-2441P 3 MB-2442P(F) NOTE: 1966-1976, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing,Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings				2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0005/0.0032	0.0961 0.0961	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180	



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
93 (Cont.)	390 CID (6.4L) V8 Cyl (1961-1976)				4.050in./102.9mm x 3.781in./96mm			93 (Cont.)
Cam Bearing Set	B-1	SH-781S	STD					
1		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-377		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-378		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-379		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-380		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: Except Special 4, 6, And 8 Barrel Carburetors, Police Package, Requires Light Reaming								
Piston Pin Bushing(8)	C-1	223-3504	STD			0.0480	1.3040/1.3060	1.5400
NOTE: 1961-1963, Special Engine, Requires Light Reaming								
Rod Forging	C1AE-B, C2AE-B							
C/S Forging	C1AE-A, C2AE-2, C2AE-B, C2AE-D, C3AE-B, C3AE-C, C3AE-E							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
94	401 CID (6.6L) V8 Cyl (1958-1976)				4.125in./104.8mm x 3.750in./95.3mm			94
	475 CID (7.8L) V8 Cyl (1973-1979)				4.500in./114.3mm x 3.750in./95.3mm			
	477 CID (7.8L) V8 Cyl (1958-1981)				4.500in./114.3mm x 3.750in./95.3mm			
	534 CID (8.8L) V8 Cyl (1958-1981)				4.500in./114.3mm x 4.200in./106.7mm			
Rod Bearing(8)	TM-77	CB-615P	STD,10,20,30,C40,C60	2.7092/2.7100	0.0013/0.0039	0.0962	2.9032/2.9040	0.8920
NOTE: 2.710" Diameter Connecting Rod Journal								
Main Bearing Set	TM-77	MS-443P	STD,10,20,30					
1-2-4-5		MB-1820P		3.1246/3.1254	0.0013/0.0039	0.0956	3.3176/3.3184	1.1050
3		MB-1821P(F)		3.1246/3.1254	0.0009/0.0035	0.0958	3.3176/3.3184	1.2730
Cam Bearing Set	B-1	SH-369S	STD					
1		SH-369		2.4740/2.4750	0.0010/0.0050	0.0630	2.6020/2.6030	0.6800
2-3-4-5		SH-370		2.3700/2.3710	0.0010/0.0050	0.0630	2.4980/2.4990	0.6800
Piston Pin Bushing(8)	C-1	223-3504	STD			0.0480	1.3040/1.3060	1.5400
NOTE: Requires Light Reaming								
Rod Forging	EDL, B9TE							
C/S Forging	EDL, EDN, C1TE-B, C1TE-C, C2TE-A, C2TE-B, EDL-6303A, EDN-6303A, C1TE-6303B, C1TE-6303C, C2TE-6303A, C2TZ-6303A, C2TZ-6303B, EDL-6303-A, EDN-6303-A, C1TE-6303-B, C1TE-6303-C							
Connecting Rod	60 To 65 Lbs.Ft.							
Main Bearing	130 To 150 Lbs.Ft. (475 CID (7.8L))							
Main Bearing	150 Lbs.Ft. (401 CID (6.6L) ,477 CID (7.8L) ,534 CID (8.8L))							
95	406 CID (6.7L) V8 Cyl (1962-1963)				4.130in./104.9mm x 3.781in./96mm			95
Rod Bearing(8)	TM-77	CB-756P	STD,10,20	2.4380/2.4388	0.0024/0.0050	0.0750	2.5907/2.5915	0.7460
Main Bearing Set	TM-77	MS-445P	STD,10,20					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-1825P(F)		2.7484/2.7492	0.0007/0.0033	0.0958	2.9412/2.9420	1.1180
NOTE: Contains 3.614"/3.684" Flange Diameter Flanged Bearing, Contains Full Grooved Bearings								
Cam Bearing Set	B-1	SH-781S	STD					
1		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-377		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-378		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-379		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-380		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: Requires Light Reaming								
Rod Forging	C1AE-B, C2AE-B							
C/S Forging	C1AE-A, C2AE-2, C2AE-B, C2AE-D, C3AE-B, C3AE-C, C3AE-E							
Connecting Rod	53 To 58 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
96	420 CID (6.9L) Navistar Diesel V8 Cyl (1983-1987)			4.000in./101.6mm x 4.180in./106.2mm				96
	444 CID (7.3L) Indirect Injection Navistar Diesel V8 Cyl (1988-1994)			4.110in./104.4mm x 4.180in./106.2mm				
	444 CID (7.3L) Indirect Injection Navistar Turbocharged Diesel V8 Cyl (1992-1994)			4.110in./104.4mm x 4.180in./106.2mm				
Rod Bearing(8)	TM-112	CB-1327P	STD,10,20,30,40	2.4980/2.4990	0.0011/0.0041	0.0952	2.6905/2.6915	0.8880
Main Bearing Set	TM-112	MS-1596P	STD,10,20,30,40					
1-2-4-5		MB-2934P		3.1228/3.1236	0.0021/0.0049	0.0949	3.3152/3.3162	0.8750
3		MB-2935P(F)		3.1228/3.1236	0.0021/0.0049	0.0949	3.3152/3.3162	1.1300
Cam Bearing Set	AL-3	SH-1092S	STD					
1		SH-1092		2.0990/2.1000	0.0009/0.0054	0.0638	2.2305/2.2320	0.7900
2-3-4-5		SH-1093		2.0990/2.1000	0.0009/0.0054	0.0638	2.2305/2.2320	0.6550
Piston Pin Bushing(8)	C-1	223-3583	STD			0.1580	1.2375/1.2380	1.0780
NOTE: Requires Boring								
C/S Forging	1A, 11M, 17M, 1AA, 140N, 176H, 188A, 202B, 2MAE, 2 MAE, 11M-14, 1803420C1, 1805420C1, 1809954C1, 1816975C1, 1802224C92, 1802224C93, 1812320C91, 13111-03010-D							
Connecting Rod	Step A 38 Lbs.Ft.; Step B 51 Lbs.Ft. (444 CID (7.3L) Indirect Injection,444 CID (7.3L) Indirect Injection)							
Connecting Rod	Step A 38 Lbs.Ft.; Step B 54 Lbs.Ft. (420 CID (6.9L))							
Main Bearing	Step A 75 Lbs.Ft.; Step B 95 Lbs.Ft.							
97	427 CID (7.0L) High Performance V8 Cyl (1963-1968)			4.233in./107.5mm x 3.781in./96mm				97
Rod Bearing(8)	TM-77	CB-756P	STD,10,20	2.4380/2.4388	0.0024/0.0050	0.0750	2.5907/2.5915	0.7460
NOTE: Except Engines With C7OE-6200A Connecting Rod And C9AZ-6303D Crankshaft								
Rod Bearing(8)	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
NOTE: Except Engines With Connecting Rod C7OE-2700A And Crankshaft C9AZ-6303D								
Rod Bearing(8)	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: Except Engines With Connecting Rod C7OE-2700A And Crankshaft C9AZ-6303D,Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-445P	STD,10,20					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-1825P(F)		2.7484/2.7492	0.0007/0.0033	0.0958	2.9412/2.9420	1.1180
NOTE: 1963, Contains 3.614"/3.684" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Main Bearing Set	TM-77	MS-685P	STD,1,10,20,30,40,C60					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2235P(F)		2.7484/2.7492	0.0009/0.0035	0.0957	2.9412/2.9420	1.1180
NOTE: 1964-1965, .060" Undersize Set Contains .019" Oversize Length Flange Bearing,Contains 3.764"/3.824" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Main Bearing Set	TM-77	MS-863P	STD,1,10,20,30,40					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2442P(F)		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	1.1180
NOTE: 1966-1968, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing,Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Cam Bearing Set	B-1	SH-643S	STD					
1		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-643		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-644		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-645		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-646		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
NOTE: 1966-1968, Wedge Head Engine								
Cam Bearing Set	B-1	SH-781S	STD					
1		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-377		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-378		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-379		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-380		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
NOTE: 1963-1965								
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: 1963-1967, Requires Light Reaming								



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
97 (Cont.)	427 CID (7.0L) High Performance V8 Cyl (1963-1968)				4.233in./107.5mm x 3.781in./96mm			97 (Cont.)
Piston Pin Bushing(8)	C-1	223-3504	STD			0.0480	1.3040/1.3060	1.5400
NOTE: 1963-1967, Requires Light Reaming								
Rod Forging C/S Forging	C2AE-B, C3AE-B, C3AE-C, C3AE-F, C5AE-B C3AE-G, C4AE-B, C4AE-C, C4AE-E, C4AE-H, C4AZ-A, C4AZ-J, C4TZ-A, C4TZ-B, C5AE-C, C8AE-B							
Connecting Rod Main Bearing	53 To 58 Lbs.Ft. 95 To 105 Lbs.Ft.							
98	427 CID (7.0L) Super High Output V8 Cyl (1963-1967)				4.233in./107.5mm x 3.781in./96mm			98
Rod Bearing(8)	TM-77	CB-756P	STD,10,20	2.4380/2.4388	0.0024/0.0050	0.0750	2.5907/2.5915	0.7460
NOTE: Except Engines With C70E-6200A Connecting Rod And C9AZ-6303D Crankshaft								
Main Bearing Set 1-2-4-5 3	TM-77	MS-445P MB-2441P MB-1825P(F)	STD,10,20	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0007/0.0033	0.0961 0.0958	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
NOTE: 1963, Contains 3.614"/3.684" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Main Bearing Set 1-2-4-5 3	TM-77	MS-685P MB-2441P MB-2235P(F)	STD,1,10,20,30,40,C60	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0009/0.0035	0.0961 0.0957	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
NOTE: 1964-1965, .060" Undersize Set Contains .019" Oversize Length Flange Bearing,Contains 3.764"/3.824" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Main Bearing Set 1-2-4-5 3	TM-77	MS-863P MB-2441P MB-2442P(F)	STD,1,10,20,30,40	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0005/0.0032	0.0961 0.0961	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
NOTE: 1966-1967, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing,Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Cam Bearing Set 1 2 3 4 5	B-1	SH-643S SH-781 SH-643 SH-644 SH-645 SH-646	STD	2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0919 0.0844 0.0769 0.0694 0.0619	2.3095/2.3105 2.2945/2.2955 2.2795/2.2805 2.2645/2.2655 2.2495/2.2505	0.6300 0.6300 0.6300 0.6300 0.5700
NOTE: 1966-1967, Wedge Head Engine								
Cam Bearing Set 1 2 3 4 5	B-1	SH-781S SH-781 SH-377 SH-378 SH-379 SH-380	STD	2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0919 0.0844 0.0769 0.0694 0.0619	2.3095/2.3105 2.2945/2.2955 2.2795/2.2805 2.2645/2.2655 2.2495/2.2505	0.6300 0.6300 0.6300 0.6300 0.5700
NOTE: 1963-1965								
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: Requires Light Reaming								
Piston Pin Bushing(8)	C-1	223-3504	STD			0.0480	1.3040/1.3060	1.5400
NOTE: Requires Light Reaming								
Rod Forging C/S Forging	C2AE-B, C3AE-B, C3AE-C, C3AE-F, C5AE-B C3AE-G, C4AE-B, C4AE-C, C4AE-E, C4AE-H, C4AZ-A, C4AZ-J, C4TZ-A, C4TZ-B, C5AE-C, C8AE-B							
Connecting Rod Main Bearing	53 To 58 Lbs.Ft. 95 To 105 Lbs.Ft.							
99	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Turbocharged/ Intercooled Diesel V8 Cyl (1994-2003)				4.110in./104.4mm x 4.180in./106.2mm			99
Rod Bearing(8)	TM-112	CB-1633P	STD,10,20,30,40	2.4980/2.4990	0.0016/0.0046	0.0952	2.6905/2.6915	0.9640
Main Bearing Set 1-2-3-4 5	TM-112	MS-2034P MB-3497P MB-3498P(F)	STD,10,20,30	3.1228/3.1236 3.1228/3.1236	0.0018/0.0046 0.0018/0.0046	0.0949 0.0949	3.3152/3.3162 3.3152/3.3162	0.9330 1.2380
Cam Bearing Set 1 2-3-4-5	AL-3	SH-1092S SH-1092 SH-1093	STD	2.0990/2.1000 2.0990/2.1000	0.0009/0.0054 0.0009/0.0054	0.0638 0.0638	2.2305/2.2320 2.2305/2.2320	0.7900 0.6550



FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
99 (Cont.)	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo Navistar Turbocharged/ Intercooled Diesel V8 Cyl (1994-2003)				4.110in./104.4mm x 4.180in./106.2mm			99 (Cont.)
Piston Pin Bushing(8)	C-1	223-3652	STD			0.0760	1.4320/1.4330	1.1520
NOTE: Requires Light Reaming								
C/S Forging	1A, 1AA, 188A, 202B, 2MAE, 2 MAE, 1805420C1, 1809954C1, 1816975C1, 1812320C91							
Connecting Rod	80 Lbs.Ft.							
Main Bearing	95 Lbs.Ft.							
100	522 CID (8.6L) V150 Caterpillar Diesel V8 Cyl (1968-1971) 522 CID (8.6L) V175 Caterpillar Diesel V8 Cyl (1968-1975) 573 CID (9.4L) V200 Caterpillar Diesel V8 Cyl (1968-1975) 636 CID (10.4L) V225 Caterpillar Diesel V8 Cyl (1970-1976)				4.500in./114.3mm x 4.100in./104.1mm 4.500in./114.3mm x 4.100in./104.1mm 4.500in./114.3mm x 4.500in./114.3mm 4.500in./114.3mm x 5.000in./127mm			100
Rod Bearing(8)	TM-112	CB-972P	STD,10,20,30,40	2.7496/2.7504	0.0018/0.0046	0.0948	2.9413/2.9423	0.9550
Main Bearing Set	TM-112	MS-1421P	STD,10,20,30					
1-2-3-5		MB-2734P		3.4990/3.5000	0.0018/0.0048	0.1025	3.7070/3.7080	1.0000
4		MB-2735P(F)		3.4990/3.5000	0.0013/0.0043	0.1028	3.7070/3.7080	1.2530
NOTE: Early Engine, Contains Upper Half Flanged Bearing, 1.253" Lgth. Upr. Half Flanged								
Main Bearing Set	TM-112	MS-1592P	STD,20					
1-2-3-5		MB-2929P		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.0000
4		MB-2930P(F)		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.2530
NOTE: Early Engine, .010" Oversize On Outside Diameter,1.253" Lgth. Upr. Half Flanged								
Cam Bearing Set	AL-3	SH-1245S	STD					
1-2-3-4-5		SH-1245		2.4995/2.5005	0.0004/0.0010	0.0750	2.6520/2.6530	0.7600
NOTE: Early Engine								
10 CYL								
101	415 CID (6.8L) SOHC 20 Valve Ford Windsor V10 Cyl (1997-2004)				3.550in./90.1mm x 4.161in./105.7mm			101
Rod Bearing(10)	TM-77	CB-1442P	STD,.25mm,.50mm,.75mm	2.0859/2.0867	0.0011/0.0023	0.0759	2.2388/2.2396	0.8270
Rod Bearing(10)	TM-77	CB-1634P-.25mm	.50mm	2.0859/2.0867	0.0011/0.0023	0.0769	2.2408/2.2416	0.8270
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-2203P	STD,.25mm,.50mm,.75mm					
1		MB-3752P		2.6567/2.6577	0.0003/0.0032	0.0962	2.8504/2.8513	0.7580
2-3-4-5-6		MB-3139P		2.6567/2.6577	0.0005/0.0025	0.0962	2.8504/2.8513	0.7580
6		MB-3139W						0.1151
NOTE: Contains 3 Piece Thrust Washer Set, Use In Number 6 Position								
Piston Pin Bushing(10)	C-1	223-3620	STD			0.0525	0.8664/0.8668	0.9350
NOTE: Requires Boring								
Connecting Rod	30 To 33 Lbs.Ft. Plus 90 To 120 Degrees (Requires New Connecting Rod Bolts)							

FORD TRACTOR

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
3 CYL			4 CYL		
152 Perkins 152 CID (2.5L)	3.600in./91.4mmX5.000in./127mm	1	120 120 CID (2.0L)	3.187in./80.95mmX3.750in./95.3mm	3
158 158 CID (2.6L)	4.200in./106.7mmX3.813in./96.9mm	2	134 134 CID (2.2L)	3.437in./87.3mmX3.600in./91.4mm	4
158 158 CID (2.6L) Diesel	4.200in./106.7mmX3.813in./96.9mm	2	134 134 CID (2.2L) Flex	3.437in./87.3mmX3.600in./91.4mm	4
158 158 CID (2.6L) LPG	4.200in./106.7mmX3.813in./96.9mm	2	144 144 CID (2.4L) Diesel	3.562in./90.5mmX3.600in./91.4mm	5
175 175 CID (2.9L)	4.200in./106.7mmX4.203in./106.8mm	2	172 172 CID (2.8L)	3.900in./99mmX3.600in./91.4mm	4
175 175 CID (2.9L) Diesel	4.200in./106.7mmX4.203in./106.8mm	2	172 172 CID (2.8L) Flex	3.900in./99mmX3.600in./91.4mm	4
175 175 CID (2.9L) LPG	4.200in./106.7mmX4.203in./106.8mm	2	172 172 CID (2.8L) Diesel	3.900in./99mmX3.600in./91.4mm	5
183 183 CID (3.0L) Diesel	4.200in./106.7mmX4.203in./106.8mm	2	192 192 CID (3.1L)	4.130in./104.9mmX3.600in./91.4mm	5
192 192 CID (3.1L)	4.406in./112mmX4.203in./106.8mm	2	192 192 CID (3.1L) Diesel	4.130in./104.9mmX3.600in./91.4mm	5
192 192 CID (3.1L) Diesel	4.406in./112mmX4.203in./106.8mm	2	233 233 CID (3.8L)	4.200in./106.7mmX4.203in./106.8mm	6
192 192 CID (3.1L) LPG	4.406in./112mmX4.203in./106.8mm	2	233 233 CID (3.8L) Diesel	4.200in./106.7mmX4.203in./106.8mm	6
201 201 CID (3.3L)	4.406in./112mmX4.406in./112mm	2	233 233 CID (3.8L) LPG	4.200in./106.7mmX4.203in./106.8mm	6
201 201 CID (3.3L) Diesel	4.406in./112mmX4.406in./112mm	2	240 Dorset British Ford 3759CC (3.8L)	4.016in./102mmX4.527in./115mm	7
201 201 CID (3.3L) LPG	4.406in./112mmX4.406in./112mm	2	Diesel		



FORD TRACTOR (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL (Cont.)			6 CYL (Cont.)		
242 Dorset British Ford 242 CID/3966CC (4.0L) Diesel	4.125in./104.8mmX4.527in./115mm	7	362 Dorset British Ford 5974CC (6.0L) Diesel	4.134in./105mmX4.527in./115mm	11
254 Dorset British Ford 254 CID/4161CC (4.2L) Diesel	4.221in./107.21mmX4.527in./115mm	7	363 Dorset British Ford 363 CID/5952CC (5.9L) Diesel Turbocharged	4.125in./104.8mmX4.527in./115mm	11
256 256 CID (4.2L)	4.406in./112mmX4.203in./106.8mm	6	380 Dorset British Ford 380 CID/6222CC (6.2L) Diesel	4.221in./107.21mmX4.519in./ 114.8mm	11
256 256 CID (4.2L) Diesel	4.406in./112mmX4.203in./106.8mm	6	401 401 CID (6.6L) Diesel	4.406in./112mmX4.406in./112mm	12
256 256 CID (4.2L) Diesel Turbocharged	4.406in./112mmX4.203in./106.8mm	8	401 401 CID (6.6L) Diesel Turbocharged	4.406in./112mmX4.406in./112mm	13
Dagenham 120 CID (2.0L)	3.188in./80.98mmX3.750in./95.3mm	18	BSD666 401 CID (6.6L) Diesel	4.400in./111.8mmX4.400in./111.8mm	14
6 CYL			BSD 476 CID (7.8L) Diesel	4.406in./112mmX5.200in./132mm	15
223 223 CID (3.7L)	3.625in./92.1mmX3.609in./91.7mm	9	8 CYL		
223 223 CID (3.7L) LPG	3.625in./92.1mmX3.609in./91.7mm	9	V555 Cummins 555 CID (9.1L) Diesel	4.625in./117.5mmX4.125in./104.8mm	16
242 242 CID (4.0L) Diesel	3.625in./92.1mmX3.906in./99.2mm	10	V903 Cummins 903 CID (14.8L) Diesel	5.500in./139.7mmX4.750in./120.7mm	17
360 Dorset Dorset Diesel 5638CC (5.6L) Diesel	4.016in./102mmX4.527in./115mm	11			

MODEL DATA

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
2N Base Model	Wheel Tractor	120 CID (2.0L) 120	3	600 Base Model	Wheel Tractor	134 CID (2.2L) 134	4
8N Base Model	Wheel Tractor	120 CID (2.0L) 120	3	600 Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5
9N Base Model	Wheel Tractor	120 CID (2.0L) Dagenham	18	600D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5
9N Base Model	Wheel Tractor	120 CID (2.0L) 120	3	600K Base Model	Wheel Tractor	134 CID (2.2L) 134	4
17-1 Base Model	Combine	223 CID (3.7L) 223	9	601 Base Model	Wheel Tractor	134 CID (2.2L) 134	4
17-1 Base Model	Combine	242 CID (4.0L) 242 Diesel	10	601 Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5
230 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2	611 Base Model	Wheel Tractor	134 CID (2.2L) 134	4
230 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2	611D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5
231 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2	620 Base Model	Wheel Tractor	134 CID (2.2L) 134	4
231 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2	620 Base Model	Combine	233 CID (3.8L) 233	6
233 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2	620 Base Model	Combine	256 CID (4.2L) 256 Diesel	6
233 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2	621 Base Model	Wheel Tractor	134 CID (2.2L) 134	4
234 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2	621D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5
234 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2	622 Base Model	Combine	233 CID (3.8L) 233	6
333 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2	622 Base Model	Combine	256 CID (4.2L) 256 Diesel	6
333 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2	630 Base Model	Wheel Tractor	134 CID (2.2L) 134	4
334 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2	631 Base Model	Wheel Tractor	134 CID (2.2L) 134	4
334 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2	631D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5
335 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2	640 Base Model	Wheel Tractor	134 CID (2.2L) 134	4
335 Base Model	Loader	175 CID (2.9L) 175 Diesel	2	641 Base Model	Wheel Tractor	134 CID (2.2L) 134	4
340 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2	641D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5
340 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2	650 Base Model	Wheel Tractor	134 CID (2.2L) 134	4
340 B	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	650 Base Model	Wheel Tractor	233 CID (3.8L) 233	6
420 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2	650 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	6
420 Base Model	Loader	175 CID (2.9L) 175 Diesel	2	651 Base Model	Wheel Tractor	134 CID (2.2L) 134	4
431 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	651D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5
445 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2	655 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	6
445 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2	655A Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	6
445 A	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	660 Base Model	Wheel Tractor	134 CID (2.2L) 134	4
500 Base Model	Wheel Tractor	134 CID (2.2L) 134	4	661 Base Model	Wheel Tractor	134 CID (2.2L) 134	4
500 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	661 Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5
500D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5	661D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5
500K Base Model	Wheel Tractor	134 CID (2.2L) 134	4	671 Base Model	Wheel Tractor	134 CID (2.2L) 134	4
501 Base Model	Wheel Tractor	134 CID (2.2L) 134	4	671 Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5
501D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5	671D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5
515 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	681 Base Model	Wheel Tractor	134 CID (2.2L) 134	4
530A Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	681D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5
531 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	700 Base Model	Wheel Tractor	134 CID (2.2L) 134	4
532 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	700 Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5
535 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	700D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5
540 Base Model	Wheel Tractor	158 CID (2.6L) 158	2	700K Base Model	Wheel Tractor	134 CID (2.2L) 134	4
540 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2	701D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5
540 B	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	740 Tri. Base Model	Wheel Tractor	134 CID (2.2L) 134	4
541 Base Model	Wheel Tractor	134 CID (2.2L) 134	4	741 Base Model	Wheel Tractor	134 CID (2.2L) 134	4
541D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5	741D Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5
545 A	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	750 Base Model	Wheel Tractor	233 CID (3.8L) 233	6
550 Base Model	Loader	201 CID (3.3L) 201 Diesel	2	750 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	8
555 B	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	755 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	8



MODEL DATA (Cont.)

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FORD TRACTOR (Cont.)
MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
4100 Base Model	Wheel Tractor	183 CID (3.0L) 183 Diesel	2	9600 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	13
4100 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	9700 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	13
4110 Base Model	Wheel Tractor	172 CID (2.8L) 172	4	20301 Base Model	Wheel Tractor	134 CID (2.2L) 134	4
4110 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	20302 Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5
4110D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	5	20303 Base Model	Wheel Tractor	134 CID (2.2L) 134	4
4120 Base Model	Wheel Tractor	172 CID (2.8L) 172	4	20304 Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5
4120D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	5	20305 Base Model	Wheel Tractor	134 CID (2.2L) 134	4
4121 Base Model	Wheel Tractor	172 CID (2.8L) 172	4	20306 Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5
4121D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	5	40000 Series Base Model	Wheel Tractor	172 CID (2.8L) 172	4
4130 Base Model	Wheel Tractor	172 CID (2.8L) 172	4	60000 Series Base Model	Wheel Tractor	223 CID (3.7L) 223	9
4130D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	5	60000 Series Base Model	Wheel Tractor	242 CID (4.0L) 242 Diesel	10
4131 Base Model	Wheel Tractor	172 CID (2.8L) 172	4	A62 Base Model	Loader	256 CID (4.2L) 256 Diesel	6
4131D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	5	A64 Base Model	Loader	401 CID (6.6L) 401 Diesel	12
4140 Base Model	Wheel Tractor	172 CID (2.8L) 172	4	A66 Base Model	Loader	401 CID (6.6L) 401 Diesel	12
4140 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	County Super 4 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	6
4140D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	5	Dexta 957E Base Model	Wheel Tractor	144 CID (2.4L) 144 Diesel	5
4190 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	Dexta 2000 Base Model	Wheel Tractor	152 CID (2.5L) 152 Perkins	1
4200 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	Dexta 2000 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2
4400 Base Model	Wheel Tractor	172 CID (2.8L) 172	4	Dexta 2000 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2
4400 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	FW-20 Base Model	Wheel Tractor	555 CID (9.1L) V555 Cummins Diesel	16
4400D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	5	FW-30 Base Model	Wheel Tractor	903 CID (14.8L) V903 Cummins Diesel	17
4410 Base Model	Wheel Tractor	172 CID (2.8L) 172	4	FW-40 Base Model	Wheel Tractor	903 CID (14.8L) V903 Cummins Diesel	17
4410 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	FW-60 Base Model	Wheel Tractor	903 CID (14.8L) V903 Cummins Diesel	17
4410D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	5	Force 2000 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2
4500 Base Model	Wheel Tractor	172 CID (2.8L) 172	4	Force 2000 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2
4500 Base Model	Wheel Tractor	192 CID (3.1L) 192	2	Force 3000 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2
4500 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	Force 3000 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2
4500D Base Model	Wheel Tractor	172 CID (2.8L) 172 Diesel	5	Force 4000 Base Model	Wheel Tractor	192 CID (3.1L) 192 Diesel	2
4600 SU	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	Force 4000 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2
5000 Base Model	Wheel Tractor	233 CID (3.8L) 233	6	Force 5000 Base Model	Wheel Tractor	233 CID (3.8L) 233	6
5000 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	6	Force 5000 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	6
5100 Base Model	Wheel Tractor	233 CID (3.8L) 233	6	Ford Tractor Base Model	Engine	158 CID (2.6L) 158	2
5100 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	6	Ford Tractor Base Model	Engine	175 CID (2.9L) 175	2
5190 Base Model	Wheel Tractor	233 CID (3.8L) 233	6	Ford Tractor Base Model	Engine	192 CID (3.1L) 192	2
5190 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	6	Ford Tractor Base Model	Engine	192 CID (3.1L) 192 Diesel	5
5200 Base Model	Wheel Tractor	233 CID (3.8L) 233	6	Ford Tractor Base Model	Engine	201 CID (3.3L) 201	2
5200 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	6	Ford Tractor Base Model	Engine	242 CID/3966CC (4.0L) 242 Dorset British Ford Diesel	7
5500 Base Model	Wheel Tractor	233 CID (3.8L) 233	6	Ford Tractor Base Model	Engine	254 CID/4161CC (4.2L) 254 Dorset British Ford Diesel	7
5500 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	6	Ford Tractor Base Model	Engine	363 CID/5952CC (5.9L) 363 Dorset British Ford Diesel	11
5550 Base Model	Wheel Tractor	233 CID (3.8L) 233	6	Ford Tractor Base Model	Engine	380 CID/6222CC (6.2L) 380 Dorset British Ford Diesel	11
5550 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	6	Ford Tractor Base Model	Engine	476 CID (7.8L) BSD Diesel	15
5600 Base Model	Wheel Tractor	233 CID (3.8L) 233	6	Ford Tractor Base Model	Engine	3759CC (3.8L) 240 Dorset British Ford Diesel	7
5600 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	6	Ford Tractor Base Model	Engine	5638CC (5.6L) 360 Dorset Dorset Diesel Diesel	11
5700 Base Model	Wheel Tractor	233 CID (3.8L) 233	6	Ford Tractor Base Model	Engine	5974CC (6.0L) 362 Dorset British Ford Diesel	11
5700 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	6	H48 Base Model	Excavator	401 CID (6.6L) 401 Diesel	12
6000 Base Model	Wheel Tractor	223 CID (3.7L) 223	9				
6000 Base Model	Wheel Tractor	242 CID (4.0L) 242 Diesel	10				
6000 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	6				
6500 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	6				
6600 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	6				
6700 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	6				
6710 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	6				
7000 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	8				
7100 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	8				
7200 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	8				
7500 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	8				
7600 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	8				
7700 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	8				
7910 Base Model	Wheel Tractor	401 CID (6.6L) BSD666 Diesel	14				
8000 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	12				
8200 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	12				
8400 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	12				
8600 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	12				
8700 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	12				
9000 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	13				
9200 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	13				
9260 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	13				
9400 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	13				



FORD TRACTOR (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
Major 4000 Base Model	Wheel Tractor	192 CID (3.1L) 192 Diesel	2	Super Dexta 3000 Base Model	Wheel Tractor	158 CID (2.6L) 158 Diesel	2
Major 4000 Base Model	Wheel Tractor	201 CID (3.3L) 201 Diesel	2	Super Dexta 3000 Base Model	Wheel Tractor	175 CID (2.9L) 175 Diesel	2
Major 5000 Base Model	Wheel Tractor	233 CID (3.8L) 233 Diesel	6	Super Major 5000 Base Model	Wheel Tractor	233 CID (3.8L) 233 Diesel	6
Major 5000 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	6	Super Major 5000 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	6
Major 7000 Base Model	Wheel Tractor	256 CID (4.2L) 256 Diesel	8	TW-10 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	12
Major 8000 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	12	TW-20 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	13
Major 8600 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	12	TW-30 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	13
Major 9000 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	13				
Major 9600 Base Model	Wheel Tractor	401 CID (6.6L) 401 Diesel	13				
NAA Base Model	Wheel Tractor	134 CID (2.2L) 134 Diesel	4				
NAB Base Model	Wheel Tractor	134 CID (2.2L) 134 Diesel	4				

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
9N	3.750in./95.3mm	3	C1AE	3.609in./91.7mm	9	CONN	3.600in./91.4mm	4	EAA-6205	3.600in./91.4mm	4
9N	3.750in./95.3mm	18	C1AE	3.906in./99.2mm	10	CONN	3.600in./91.4mm	5	EAA-6205	3.600in./91.4mm	5
9N-6200	3.750in./95.3mm	3	C1AE-6205D1	3.609in./91.7mm	9	EAA	3.609in./91.7mm	9	EAA-6205A	3.609in./91.7mm	9
9N-6200	3.750in./95.3mm	18	C1AE-6205D1	3.906in./99.2mm	10	EAA	3.906in./99.2mm	10	EAA-6205A	3.906in./99.2mm	10
312716	3.600in./91.4mm	4	C3AE	3.609in./91.7mm	9	EAA-6200	3.600in./91.4mm	4	EAA-A	3.609in./91.7mm	9
312716	3.600in./91.4mm	5	C3AE	3.906in./99.2mm	10	EAA-6200	3.600in./91.4mm	5	EAA-A	3.906in./99.2mm	10
B9NN-6205A	3.600in./91.4mm	4	C3AE-620E1	3.609in./91.7mm	9	EAA-6200B	3.609in./91.7mm	9	EAA-B	3.609in./91.7mm	9
B9NN-6205A	3.600in./91.4mm	5	C3AE-620E1	3.906in./99.2mm	10	EAA-6200B	3.906in./99.2mm	10	EAA-B	3.906in./99.2mm	10

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
2H-A	3.750in./95.3mm	3	B9NN	3.600in./91.4mm	5	C3AE-M	3.906in./99.2mm	10	D1NL	3.600in./91.4mm	5
2J	3.750in./95.3mm	3	B9NN-6202-B	3.600in./91.4mm	4	C5NE6303K	4.203in./106.8mm	6	E3HN-6303-AA	4.400in./111.8mm	14
2N	3.750in./95.3mm	3	B9NN-6302-B	4.203in./106.8mm	2	C5NE6303K	4.203in./106.8mm	8	E3HN-6303-AB	4.400in./111.8mm	14
2NA	3.750in./95.3mm	3	B9NN-6302-B	3.600in./91.4mm	4	C5NE6303N	4.406in./112mm	2	E5NN-6306-N	4.406in./112mm	2
2NAB	3.750in./95.3mm	3	B9NN-6302-B	3.600in./91.4mm	5	C5NE-6303-K	4.203in./106.8mm	6	EAA	3.609in./91.7mm	9
2NABC	3.750in./95.3mm	3	CONN	3.600in./91.4mm	4	C5NE-6303-K	4.203in./106.8mm	8	EAA	3.906in./99.2mm	10
8N	3.750in./95.3mm	3	CONN	3.600in./91.4mm	5	C5NE-6303-L	4.203in./106.8mm	2	EAF	3.600in./91.4mm	4
8N	3.750in./95.3mm	18	CONN-C	3.600in./91.4mm	4	C5NE-6303-N	4.406in./112mm	2	EAF	3.600in./91.4mm	5
9N	3.750in./95.3mm	3	CONN-C	3.600in./91.4mm	5	C5NE-6303-R	4.203in./106.8mm	2	EBF	3.609in./91.7mm	9
9N	3.750in./95.3mm	18	C1AE-B	3.609in./91.7mm	9	C5NE-6305	4.203in./106.8mm	2	EBF	3.906in./99.2mm	10
310372	3.600in./91.4mm	4	C1AE-B	3.906in./99.2mm	10	C7NN-6303	4.400in./111.8mm	14	EBP	3.609in./91.7mm	9
310372	3.600in./91.4mm	5	C1AE-F	3.609in./91.7mm	9	C7NN-6303-A	4.400in./111.8mm	14	EBP	3.906in./99.2mm	10
310772	3.600in./91.4mm	5	C1AE-F	3.906in./99.2mm	10	D1NL	4.203in./106.8mm	2	EN438	4.203in./106.8mm	2
B9NN	3.600in./91.4mm	4	C3AE-M	3.609in./91.7mm	9	D1NL	3.600in./91.4mm	4			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL								
1	152 CID (2.5L) 152 Perkins 3 Cyl			3.600in./91.4mm x 5.000in./127mm				1
Rod Bearing(3)	AL-3	CB-560AL	STD,10,20,30,40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900
Main Bearing Set	AL-3	MS-772AL	STD,10,20,30					
1		MB-2186AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.3050
2-3		MB-2187AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.0000
4		MB-2302AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.6050
Thrust Washer Set		TW-119S	STD					
		MB-2188W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Engine Serial Number 1400250, Thru Eng Serial Number 1412719, Contains 4 Pieces, Position Number 4, Use With Part Number MS-772AL								
Thrust Washer Set		TW-130S	STD					
		MB-2292W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2292W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Eng Serial Number 1412720, Contains 4 Pieces, Position Number 4, Use With Part Number MS-772AL								
Piston Pin Bushing(3)	C-1	223-3594	STD			0.8500	1.3757/1.3762	1.0630
NOTE: Requires Boring								



FORD TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL (Cont.)								
2	158 CID (2.6L) 158 3 Cyl			4.200in./106.7mm x 3.813in./96.9mm				2
	158 CID (2.6L) 158 Diesel 3 Cyl			4.200in./106.7mm x 3.813in./96.9mm				
	158 CID (2.6L) 158 LPG 3 Cyl			4.200in./106.7mm x 3.813in./96.9mm				
	175 CID (2.9L) 175 3 Cyl			4.200in./106.7mm x 4.203in./106.8mm				
	175 CID (2.9L) 175 Diesel 3 Cyl			4.200in./106.7mm x 4.203in./106.8mm				
	175 CID (2.9L) 175 LPG 3 Cyl			4.200in./106.7mm x 4.203in./106.8mm				
	183 CID (3.0L) 183 Diesel 3 Cyl (1975-1980)			4.200in./106.7mm x 4.203in./106.8mm				
	192 CID (3.1L) 192 3 Cyl			4.406in./112mm x 4.203in./106.8mm				
	192 CID (3.1L) 192 Diesel 3 Cyl			4.406in./112mm x 4.203in./106.8mm				
	192 CID (3.1L) 192 LPG 3 Cyl (1965-1969)			4.406in./112mm x 4.203in./106.8mm				
	201 CID (3.3L) 201 3 Cyl			4.406in./112mm x 4.406in./112mm				
201 CID (3.3L) 201 Diesel 3 Cyl			4.406in./112mm x 4.406in./112mm					
201 CID (3.3L) 201 LPG 3 Cyl			4.406in./112mm x 4.406in./112mm					
Rod Bearing(3)	TM-77	CB-757AL	STD,10,20,30,40	2.7496/2.7504	0.0015/0.0041	0.0943	2.9412/2.9420	1.4100
Main Bearing Set 1-3-4	AL-3	MS-865AL	STD,10,20,30	3.3714/3.3722	0.0021/0.0043	0.1251	3.6242/3.6250	1.1100
3		MB-2446AL MB-2447AL(F)						
Cam Bearing(4)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
Piston Pin Bushing	B	223-3636	STD	1.4997/1.5000		0.0720	1.6250	1.6098
C/S Forging D1NL, EN438, C5NE-6305, C5NE6303N, B9NN-6302-B, C5NE-6303-L, C5NE-6303-N, C5NE-6303-R, E5NN-6306-N								
Connecting Rod	50 To 55 Lbs.Ft. (Plated Bolts)							
Connecting Rod	65 To 70 Lbs.Ft. (Unplated Bolts)							
Main Bearing	115 To 125 Lbs.Ft. (9/16" Bolts)							
Main Bearing	90 To 95 Lbs.Ft. (1/2" Bolts)							
4 CYL								
3	120 CID (2.0L) 120 4 Cyl			3.187in./80.95mm x 3.750in./95.3mm				3
Rod Bearing(4)	TM-77	CB-200P	STD,1,2,10,20,30,40,C60	2.0935/2.0945	0.0009/0.0030	0.0623	2.2195/2.2200	1.1300
Main Bearing Set 1-3	TM-77	MS-120P	STD,2,10,20,30,40	2.2480/2.2490	0.0005/0.0029	0.0855	2.4200/2.4210	1.6050
2		MB-947P MB-948P(F)						
Piston Pin Bushing(4)	B	223-3451	STD			0.0360	0.8115/0.8125	1.3220
NOTE: Requires Light Reaming								
Rod Forging	9N, 9N-6200							
C/S Forging	2J, 2N, 8N, 9N, 2NA, 2H-A, 2NAB, 2NABC							
Connecting Rod	35 To 40 Lbs.Ft.							
Main Bearing	75 To 80 Lbs.Ft.							
4	134 CID (2.2L) 134 4 Cyl (1953-1965)			3.437in./87.3mm x 3.600in./91.4mm				4
	134 CID (2.2L) 134 Flex 4 Cyl (1953-1965)			3.437in./87.3mm x 3.600in./91.4mm				
	172 CID (2.8L) 172 4 Cyl (1955-1965)			3.900in./99mm x 3.600in./91.4mm				
	172 CID (2.8L) 172 Flex 4 Cyl (1955-1965)			3.900in./99mm x 3.600in./91.4mm				
Rod Bearing(4)	TM-77	CB-535P	STD,1,2,10,20,30,40	2.2978/2.2986	0.0005/0.0031	0.0622	2.4230/2.4238	1.0390
Main Bearing Set	TM-77	MB-1540P						
Main Bearing Set 1-3	TM-77	MS-466P	STD,1,2,10,20,30,40	2.4980/2.4988	0.0005/0.0031	0.0963	2.6912/2.6920	1.3300
2		MB-1501P MB-1540P(F)						
Piston Pin Bushing(4)	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
NOTE: Gas Engines Only, No Oil Hole In Bushing,Requires Boring								
Piston Pin Bushing(4)	B	223-3608	STD			0.0365	0.9730/0.9750	1.2500
NOTE: Gas Engines Only, Oil Hole In Bushing,Requires Light Reaming								
Rod Forging	CONN, 312716, EAA-6200, EAA-6205, B9NN-6205A							
C/S Forging	EAF, B9NN, CONN, D1NL, 310372, CONN-C, B9NN-6202-B, B9NN-6302-B							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							



FORD TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
5	144 CID (2.4L) 144 Diesel 4 Cyl (1958-1965)			3.562in./90.5mm x 3.600in./91.4mm				5
	172 CID (2.8L) 172 Diesel 4 Cyl (1958-1965)			3.900in./99mm x 3.600in./91.4mm				
	192 CID (3.1L) 192 4 Cyl (1971-1981)			4.130in./104.9mm x 3.600in./91.4mm				
	192 CID (3.1L) 192 Diesel 4 Cyl (1971-1981)			4.130in./104.9mm x 3.600in./91.4mm				
Rod Bearing(4)	TM-77	CB-535P	STD,1,2,10,20,30,40	2.2978/2.2986	0.0005/0.0031	0.0622	2.4230/2.4238	1.0390
Main Bearing Set	TM-77	MB-1540P						
Main Bearing Set	TM-77	MS-466P	STD,1,2,10,20,30,40					
1-3		MB-1501P		2.4980/2.4988	0.0005/0.0031	0.0963	2.6912/2.6920	1.3300
2		MB-1540P(F)		2.4980/2.4988	0.0005/0.0031	0.0963	2.6912/2.6920	1.7510
Rod Forging	CONN, 312716, EAA-6200, EAA-6205, B9NN-6205A							
C/S Forging	EAF, B9NN, CONN, D1NL, 310372, 310772, CONN-C, B9NN-6302-B							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	110 To 115 Lbs.Ft. (144 CID (2.4L) 144,172 CID (2.8L) 172,192 CID (3.1L) 192)							
Main Bearing	95 To 105 Lbs.Ft. (192 CID (3.1L) 192)							
6	233 CID (3.8L) 233 4 Cyl (1965-1968)			4.200in./106.7mm x 4.203in./106.8mm				6
	233 CID (3.8L) 233 Diesel 4 Cyl (1965-1968)			4.200in./106.7mm x 4.203in./106.8mm				
	233 CID (3.8L) 233 LPG 4 Cyl (1965-1968)			4.200in./106.7mm x 4.203in./106.8mm				
	256 CID (4.2L) 256 4 Cyl			4.406in./112mm x 4.203in./106.8mm				
	256 CID (4.2L) 256 Diesel 4 Cyl			4.406in./112mm x 4.203in./106.8mm				
Rod Bearing(4)	TM-77	CB-757AL	STD,10,20,30,40	2.7496/2.7504	0.0015/0.0041	0.0943	2.9412/2.9420	1.4100
Main Bearing Set	AL-3	MS-866AL	STD,10,20,30					
1-2-4-5		MB-2446AL		3.3714/3.3722	0.0021/0.0043	0.1251	3.6242/3.6250	1.1100
3		MB-2447AL(F)		3.3714/3.3722	0.0021/0.0043	0.1251	3.6242/3.6250	1.4550
Cam Bearing(5)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
NOTE: Only Sold Separately								
C/S Forging	C5NE6303K, C5NE-6303-K							
Connecting Rod	50 To 55 Lbs.Ft. (Plated Bolts)							
Connecting Rod	65 To 70 Lbs.Ft. (Unplated Bolts)							
Main Bearing	115 To 125 Lbs.Ft. (9/16" Bolts)							
Main Bearing	90 To 95 Lbs.Ft. (1/2" Bolts)							
7	242 CID/3966CC (4.0L) 242 Dorset British Ford Diesel 4 Cyl (1965-1969)			4.125in./104.8mm x 4.527in./115mm				7
	254 CID/4161CC (4.2L) 254 Dorset British Ford Diesel 4 Cyl (1969-1990)			4.221in./107.21mm x 4.527in./115mm				
	3759CC (3.8L) 240 Dorset British Ford Diesel 4 Cyl (1965-1969)			4.016in./102mm x 4.527in./115mm				
Rod Bearing(4)	AL-3	CB-1200AL	STD,10,20,30	2.6242/2.6250	0.0025/0.0043	0.0818	2.7905/2.7910	1.3400
Main Bearing Set	AL-3	MS-1480AL	STD,10,20					
1-2-4		MB-2500AL		3.0002/3.0010	0.0023/0.0041	0.0818	3.1665/3.1670	1.0500
3-5		MB-2665AL		3.0002/3.0010	0.0023/0.0041	0.0818	3.1665/3.1670	1.4250
Thrust Washer Set		TW-120S	STD					
		MB-1739W(L)		3.3150/3.3250			3.8880/3.8980	0.0920
		MB-1739W(U)		3.3150/3.3250			3.8880/3.8980	0.0920
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1480AL								
Cam Bearing Set	B-1	SH-1017S	STD					
1		SH-1053		2.1845/2.1850			2.3130/2.3140	1.0300
2-3-4		SH-1052		2.1845/2.1850			2.3130/2.3140	0.9500
8	256 CID (4.2L) 256 Turbocharged Diesel 4 Cyl			4.406in./112mm x 4.203in./106.8mm				8
Rod Bearing(4)	TM-77	CB-1210P	STD,10,20,30	2.7496/2.7504	0.0023/0.0045	0.0948	2.9412/2.9420	1.4100
NOTE: From 1968,Thru 1990, Turbocharged								
Main Bearing Set	AL-3	MS-866AL	STD,10,20,30					
1-2-4-5		MB-2446AL		3.3714/3.3722	0.0021/0.0043	0.1251	3.6242/3.6250	1.1100
3		MB-2447AL(F)		3.3714/3.3722	0.0021/0.0043	0.1251	3.6242/3.6250	1.4550
NOTE: From 1968,Thru 1990								
Cam Bearing(5)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
NOTE: From 1968,Thru 1990, Only Sold Separately								
C/S Forging	C5NE6303K, C5NE-6303-K							
Connecting Rod	50 To 55 Lbs.Ft. (Plated Bolts)							
Connecting Rod	65 To 70 Lbs.Ft. (Unplated Bolts)							
Main Bearing	115 To 125 Lbs.Ft. (9/16" Bolts)							
Main Bearing	90 To 95 Lbs.Ft. (1/2" Bolts)							



FORD TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
9	223 CID (3.7L) 223 6 Cyl (1966)			3.625in./92.1mm x 3.609in./91.7mm				9
	223 CID (3.7L) 223 LPG 6 Cyl			3.625in./92.1mm x 3.609in./91.7mm				
Rod Bearing(6)	TM-77	CB-535P	STD,1,2,10,20,30,40	2.2978/2.2986	0.0005/0.0031	0.0622	2.4230/2.4238	1.0390
Main Bearing Set	TM-77	MS-525P	STD,10,20,30					
1-2-4		MB-1499P		2.4980/2.4988	0.0002/0.0024	0.0963	2.6912/2.6920	1.1050
3		MB-1500P(F)		2.4980/2.4988	0.0002/0.0024	0.0963	2.6912/2.6920	1.3550
Cam Bearing Set	B-1	SH-534S	STD					
1-2-4		SH-533		1.9260/1.9270	0.0005/0.0045	0.0650	2.0575/2.0585	0.8900
3		SH-249		1.9260/1.9270	0.0005/0.0045	0.0650	2.0575/2.0585	0.8900
Piston Pin Bushing(6)	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
NOTE: Requires Boring								
Rod Forging	EAA, C1AE, C3AE, EAA-A, EAA-B, EAA-6200B, EAA-6205A, C3AE-620E1, C1AE-6205D1							
C/S Forging	EAA, EBF, EBP, C1AE-B, C1AE-F, C3AE-M							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
10	242 CID (4.0L) 242 Diesel 6 Cyl (1961-1966)			3.625in./92.1mm x 3.906in./99.2mm				10
Rod Bearing(6)	TM-77	CB-535P	STD,1,2,10,20,30,40	2.2978/2.2986	0.0005/0.0031	0.0622	2.4230/2.4238	1.0390
Main Bearing Set	TM-77	MS-525P	STD,10,20,30					
1-2-4		MB-1499P		2.4980/2.4988	0.0002/0.0024	0.0963	2.6912/2.6920	1.1050
3		MB-1500P(F)		2.4980/2.4988	0.0002/0.0024	0.0963	2.6912/2.6920	1.3550
Cam Bearing Set	B-1	SH-534S	STD					
1-2-4		SH-533		1.9260/1.9270	0.0005/0.0045	0.0650	2.0575/2.0585	0.8900
3		SH-249		1.9260/1.9270	0.0005/0.0045	0.0650	2.0575/2.0585	0.8900
Rod Forging	EAA, C1AE, C3AE, EAA-A, EAA-B, EAA-6200B, EAA-6205A, C3AE-620E1, C1AE-6205D1							
C/S Forging	EAA, EBF, EBP, C1AE-B, C1AE-F, C3AE-M							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	110 To 115 Lbs.Ft.							
11	363 CID/5952CC (5.9L) 363 Dorset British Ford Turbocharged Diesel 6 Cyl (1965-1990)			4.125in./104.8mm x 4.527in./115mm				11
	380 CID/6222CC (6.2L) 380 Dorset British Ford Diesel 6 Cyl (1969-1990)			4.221in./107.21mm x 4.519in./114.8mm				
	5638CC (5.6L) 360 Dorset Dorset Diesel 6 Cyl (1965-1990)			4.016in./102mm x 4.527in./115mm				
	5974CC (6.0L) 362 Dorset British Ford Diesel 6 Cyl (1965-1990)			4.134in./105mm x 4.527in./115mm				
Rod Bearing(6)	AL-3	CB-1200AL	STD,10,20,30	2.6242/2.6250	0.0025/0.0043	0.0818	2.7905/2.7910	1.3400
Main Bearing Set	AL-3	MS-1435AL	STD,10,20					
1-2-3-5-6		MB-2500AL		3.0002/3.0010	0.0023/0.0041	0.0818	3.1665/3.1670	1.0500
4-7		MB-2665AL		3.0002/3.0010	0.0023/0.0041	0.0818	3.1665/3.1670	1.4250
Thrust Washer Set		TW-120S	STD					
		MB-1739W(L)		3.3150/3.3250			3.8880/3.8980	0.0920
		MB-1739W(U)		3.3150/3.3250			3.8880/3.8980	0.0920
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1435AL								
Cam Bearing Set	B-1	SH-1006S	STD					
1		SH-1053		2.1845/2.1850			2.3130/2.3140	1.0300
2-3-4-5-6		SH-1052		2.1845/2.1850			2.3130/2.3140	0.9500
Connecting Rod	85 To 90 Lbs.Ft.							
Main Bearing	85 To 90 Lbs.Ft.							
12	401 CID (6.6L) 401 Diesel 6 Cyl			4.406in./112mm x 4.406in./112mm				12
Rod Bearing(6)	TM-77	CB-757AL	STD,10,20,30,40	2.7496/2.7504	0.0015/0.0041	0.0943	2.9412/2.9420	1.4100
NOTE: From 1969,Thru 1983, Naturally Aspirated								
Main Bearing Set	AL-3	MS-977AL	STD,10,20,30					
1-2-3-5-6-7		MB-2446AL		3.3714/3.3722	0.0021/0.0043	0.1251	3.6242/3.6250	1.1100
4		MB-2447AL(F)		3.3714/3.3722	0.0021/0.0043	0.1251	3.6242/3.6250	1.4550
NOTE: From 1969,Thru 1983								
Cam Bearing(5)	B-1	SH-652	STD					
NOTE: From 1969,Thru 1983, Only Sold Separately								
Piston Pin Bushing(6)	C-1	223-3636	STD	1.4997/1.5000		0.0720	1.6250	1.6098
NOTE: From 1969,Thru 1983, Requires Boring								



FORD TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
12 (Cont.)	401 CID (6.6L) 401 Diesel 6 Cyl			4.406in./112mm x 4.406in./112mm				12 (Cont.)
Connecting Rod	50 To 55 Lbs.Ft. (Plated Bolts)							
Connecting Rod	65 To 70 Lbs.Ft. (Unplated Bolts)							
Main Bearing	115 To 125 Lbs.Ft. (9/16" Bolts)							
Main Bearing	90 To 95 Lbs.Ft. (1/2" Bolts)							
13	401 CID (6.6L) 401 Turbocharged Diesel 6 Cyl			4.406in./112mm x 4.406in./112mm				13
Rod Bearing(6)	TM-77	CB-1210P	STD,10,20,30	2.7496/2.7504	0.0023/0.0045	0.0948	2.9412/2.9420	1.4100
NOTE: From 1969,Thru 1983, Turbocharged								
Main Bearing Set	AL-3	MS-977AL	STD,10,20,30					
1-2-3-5-6-7		MB-2446AL		3.3714/3.3722	0.0021/0.0043	0.1251	3.6242/3.6250	1.1100
4		MB-2447AL(F)		3.3714/3.3722	0.0021/0.0043	0.1251	3.6242/3.6250	1.4550
NOTE: From 1969,Thru 1983								
Cam Bearing(5)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
NOTE: From 1969,Thru 1983, Only Sold Separately								
Piston Pin Bushing(6)	C-1	223-3636	STD	1.4997/1.5000		0.0720	1.6250	1.6098
NOTE: From 1969,Thru 1983, Requires Boring								
Connecting Rod	50 To 55 Lbs.Ft. (Plated Bolts)							
Connecting Rod	65 To 70 Lbs.Ft. (Unplated Bolts)							
Main Bearing	115 To 125 Lbs.Ft. (9/16" Bolts)							
Main Bearing	90 To 95 Lbs.Ft. (1/2" Bolts)							
14	401 CID (6.6L) BSD666 Diesel 6 Cyl (1986-1997)			4.400in./111.8mm x 4.400in./111.8mm				14
Rod Bearing(6)	TM-112	CB-1638P	STD,10,20,30	2.7500/2.7504	0.0019/0.0027	0.0947	2.9412/2.9416	1.2500
NOTE: No Oil Hole In Bearing,Plain Upper and Lower Halves								
Rod Bearing(6)	TM-112	CB-1834P	STD,10,20,30	2.7496/2.7504	0.0014/0.0040	0.0947	2.9412/2.9420	1.2500
NOTE: Bearing Has Oil Hole 90 Degrees From Parting Line								
Main Bearing Set	TM-112	MS-2030P	STD,10,20,30					
1-2-3-4-6-7		MB-4004P		3.3713/3.3723	0.0019/0.0047	0.1250	3.6242/3.6250	1.1100
5		MB-4005P(F)		3.3713/3.3723	0.0019/0.0047	0.1250	3.6242/3.6250	1.4550
Cam Bearing(7)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
NOTE: Only Sold Separately								
C/S Forging C7NN-6303, C7NN-6303-A, E3HN-6303-AA, E3HN-6303-AB								
Connecting Rod	78 To 80 Lbs.Ft.							
Main Bearing	140 To 150 Lbs.Ft.							
15	476 CID (7.8L) BSD Turbocharged Diesel 6 Cyl (1987-1997)			4.406in./112mm x 5.200in./132mm				15
Rod Bearing(6)	TM-112	CB-1638P	STD,10,20,30	2.7500/2.7504	0.0019/0.0027	0.0947	2.9412/2.9416	1.2500
Main Bearing Set	TM-112	MS-2030P	STD,10,20,30					
1-2-3-4-6-7		MB-4004P		3.3713/3.3723	0.0019/0.0047	0.1250	3.6242/3.6250	1.1100
5		MB-4005P(F)		3.3713/3.3723	0.0019/0.0047	0.1250	3.6242/3.6250	1.4550
Cam Bearing(7)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
NOTE: Only Sold Separately								
Connecting Rod	105 To 112 Lbs.Ft.							
Main Bearing	140 To 150 Lbs.Ft.							
8 CYL								
16	555 CID (9.1L) V555 Cummins Diesel V8 Cyl			4.625in./117.5mm x 4.125in./104.8mm				16
Rod Bearing(8)	TM-112	CB-994P	STD,10,20,30	2.7490/2.7500	0.0020/0.0050	0.0948	2.9410/2.9420	1.1750
Main Bearing Set	TM-112	MS-1061P	STD,10,20,30					
1-5		MB-2598P		3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.0520
2-3-4		MB-2599P		3.4990/3.5000	0.0018/0.0048	0.1253	3.7520/3.7530	1.1410
5		MB-2598W		3.8050/3.8150			4.4850/4.4950	0.1510
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position,Contains Dowel Pins								
Thrust Washer Set		TW-448S	STD	3.8050/3.8150			4.4850/4.4950	0.1510
		MB-2598W						
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1061P								
Cam Bearing Set	B-1	SH-1394S	STD					
1-5		SH-1394		1.9975/1.9985	0.0010/0.0045	0.0963	2.1865/2.1875	1.9000
2-3-4		SH-1395		1.9975/1.9985	0.0010/0.0045	0.0963	2.1865/2.1875	0.9000
NOTE: Small Cam								



FORD TRACTOR (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)									
16 (Cont.)	555 CID (9.1L) V555 Cummins Diesel V8 Cyl				4.625in./117.5mm x 4.125in./104.8mm				16 (Cont.)
Piston Pin Bushing(8)	C-1	223-3565	STD			0.1450		1.7500/1.7505	1.5700
NOTE: Requires Boring									
Connecting Rod	Step A 45 Lbs.Ft.; Step B 90 Lbs.Ft.; Step C Loosen All Connecting Rods; Step D 45 Lbs.Ft.; Step E Turn 60 Degrees								
Main Bearing	Step A 65 Lbs.Ft.; Step B 125 Lbs.Ft.; Step C 175 Lbs.Ft.; Step D Loosen All Main Bearing Bolts; Step E Repeat Steps A, B And C								
17	903 CID (14.8L) V903 Cummins Diesel V8 Cyl				5.500in./139.7mm x 4.750in./120.7mm				17
Rod Bearing(8)	TM-112	CB-1073P	STD,10,20		3.1240/3.1250	0.0020/0.0045	0.0948	3.3160/3.3165	1.3660
Main Bearing Set 1-2-3-4-5	TM-112	MS-1265P	STD,10,20,30		3.7490/3.7500	0.0019/0.0053	0.1552	4.0620/4.0630	1.3130
5		MB-2621P			4.1200/4.1400			5.2300/5.2400	0.1510
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position,Contains Dowel Pins									
Thrust Washer Set		TW-449S	STD						
		MB-2621W			4.1200/4.1400			5.2300/5.2400	0.1510
NOTE: Contains 4 Pieces, Position Number 5									
Cam Bearing Set 1-5	C-1	SH-1382S	STD		2.4960/2.4970	0.0020/0.0060	0.0937	2.6865/2.6875	1.8100
2-3-4		SH-1382			2.4960/2.4970	0.0020/0.0060	0.0937	2.6865/2.6875	1.0700
		SH-1383							
Piston Pin Bushing(8)	C-1	223-3563	STD				0.1420	2.0015/2.0021	1.7600
NOTE: Requires Boring									
Connecting Rod	Step A 60 Lbs.Ft.; Step B 100 Lbs.Ft.; Step C Loosen All; Step D 40 Lbs.Ft.; Step E 70 Lbs.Ft.; Step F 105 Lbs.Ft.; Step G Loosen All; Step H Repeat Steps D, E And F								
Main Bearing	Step A 160 Lbs.Ft.; Step B 350 Lbs.Ft.; Step C Loosen All; Step D 90 Lbs.Ft.; Step E 180 Lbs.Ft.; Step F Turn 60 Degrees (Long Bolt)								
Main Bearing	Step A 25 Lbs.Ft.; Step B 75 Lbs.Ft.; Step C 150 Lbs.Ft. (Short Bolt)								
4 CYL									
18	120 CID (2.0L) Dagenham 4 Cyl (1939-1947)				3.188in./80.98mm x 3.750in./95.3mm				18
Rod Bearing(4)	TM-77	CB-200P	STD,1,2,10,20,30,40,C60		2.0935/2.0945	0.0009/0.0030	0.0623	2.2195/2.2200	1.1300
Main Bearing Set 1-3	TM-77	MS-120P	STD,2,10,20,30,40		2.2480/2.2490	0.0005/0.0029	0.0855	2.4200/2.4210	1.6050
2		MB-947P			2.2480/2.2490	0.0005/0.0029	0.0855	2.4200/2.4210	1.8990
		MB-948P(F)							
Rod Forging	9N, 9N-6200								
C/S Forging	8N, 9N								
Connecting Rod	35 To 40 Lbs.Ft.								
Main Bearing	75 To 80 Lbs.Ft.								
FORDSON TRACTOR									
ENGINE DATA									
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block		
	3 CYL				6 CYL				
3-152 Perkins 152 CID (2.5L) Diesel	3.600in./91.4mm	X5.000in./127mm	1	Dagenham 330 CID (5.4L) Diesel	3.938in./100mm	X4.527in./115mm	2		
P3-144 Perkins 144 CID (2.4L) Diesel	3.504in./89mm	X5.000in./127mm	1						
MODEL DATA									
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block		
Dexta 2000 Base Model	Wheel Tractor	144 CID (2.4L) P3-144 Perkins Diesel	1	Super 6	Wheel Tractor	330 CID (5.4L) Dagenham Diesel	2		
Dexta 2000 Base Model	Wheel Tractor	152 CID (2.5L) 3-152 Perkins Diesel	1	Super Dexta 3000 Base Model	Wheel Tractor	152 CID (2.5L) 3-152 Perkins Diesel	1		
CONNECTING ROD FORGING NUMBERS									
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	
52813	5.000in./127mm	1	31337220	5.000in./127mm	1	DDN-6205-B	4.527in./115mm	2	
31337140	5.000in./127mm	1	DDN-6200-B	4.527in./115mm	2	E1ADDN-6205	4.527in./115mm	2	



FORDSON TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL								
1	144 CID (2.4L) P3-144 Perkins Diesel 3 Cyl (1964-1974) 152 CID (2.5L) 3-152 Perkins Diesel 3 Cyl (1964)			3.504in./89mm x 5.000in./127mm 3.600in./91.4mm x 5.000in./127mm				1
Rod Bearing(3)	AL-3	CB-560AL	STD,10,20,30,40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900
Main Bearing Set	AL-3	MS-772AL	STD,10,20,30					
1		MB-2186AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.3050
2-3		MB-2187AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.0000
4		MB-2302AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.6050
Thrust Washer Set		TW-119S	STD					
		MB-2188W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Engine Serial Number 1400250,Thru Eng Serial Number 1412719, Contains 4 Pieces, Position Number 4								
Thrust Washer Set		TW-130S	STD					
		MB-2292W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2292W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Eng Serial Number 1412720, Contains 4 Pieces, Position Number 4								
Piston Pin Bushing(3)	C-1	223-3594	STD			0.8500	1.3757/1.3762	1.0630
NOTE: Requires Boring								
Rod Forging	52813, 31337140, 31337220							
Connecting Rod	70 To 80 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft.							
6 CYL								
2	330 CID (5.4L) Dagenham Diesel 6 Cyl (1960-1966)			3.938in./100mm x 4.527in./115mm				2
Rod Bearing(6)	AL-3	CB-489AL	STD,10,20,30	2.4997/2.5005	0.0015/0.0035	0.0724	2.6460/2.6465	1.3400
Thrust Washer Set		TW-120S	STD					
		MB-1739W(L)		3.3150/3.3250			3.8880/3.8980	0.0920
		MB-1739W(U)		3.3150/3.3250			3.8880/3.8980	0.0920
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-756AL								
Rod Forging	DDN-6200-B, DDN-6205-B, E1ADDN-6205							
Connecting Rod	55 To 60 Lbs.Ft.							
Main Bearing	70 To 75 Lbs.Ft. (1/2" Bolts)							
Main Bearing	95 To 100 Lbs.Ft. (9/16" Bolts)							
FREIGHTLINER								
ENGINE DATA								
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block	
	5 CYL				5 CYL (Cont.)			
OM612LA Mercedes Benz 164 CID/2685CC (2.7L) Diesel Turbocharged/Intercooled	3.465in./88mmX3.480in./88.4mm		1	OM647LA Mercedes Benz 164 CID/2685CC (2.7L) Diesel Turbocharged/Intercooled	3.465in./88mmX3.480in./88.4mm		1	
MODEL DATA								
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block	
Sprinter 2500 HR	Truck Import 1/2 - 1 Ton	164 CID/2685CC (2.7L) OM647LA Mercedes Benz Diesel	1	Sprinter 3500 HR	Truck Import 1/2 - 1 Ton	164 CID/2685CC (2.7L) OM647LA Mercedes Benz Diesel	1	
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
5 CYL								
1	164 CID/2685CC (2.7L) OM612LA Mercedes Benz Turbocharged/Intercooled Diesel 5 Cyl (2002-2003) 164 CID/2685CC (2.7L) OM647LA Mercedes Benz Turbocharged/Intercooled Diesel 5 Cyl (2004-2006)			3.465in./88mm x 3.480in./88.4mm 3.465in./88mm x 3.480in./88.4mm				1
Rod Bearing(5)	TM-77	CB-1842P	STD,.25mm,.50mm	1.8880/1.8883	0.0006/0.0024	0.0713	2.0315/2.0320	0.8560
Rod Bearing(5)	TM-77	CB-1843P-.25mm	.50mm	1.8880/1.8883	0.0006/0.0024	0.0723	2.0335/2.0340	0.8560
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								



FREIGHTLINER (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
5 CYL (Cont.)									
1 (Cont.)	164 CID/2685CC (2.7L) OM612LA Mercedes Benz Turbocharged/Intercooled Diesel 5 Cyl (2002-2003)					3.465in./88mm x 3.480in./88.4mm			1 (Cont.)
	164 CID/2685CC (2.7L) OM647LA Mercedes Benz Turbocharged/Intercooled Diesel 5 Cyl (2004-2006)					3.465in./88mm x 3.480in./88.4mm			
Main Bearing Set 1-2-3-4-5-6		TM-77	MS-2248P MB-3826P	STD.,.25mm,.50mm					
					2.2817/2.2820	0.0005/0.0023	0.0890	2.4605/2.4610	0.6900
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-620S									
Thrust Washer Set			TW-620S MB-3826W	STD					
					2.5905			3.1890	0.0866
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2248P									
GENERAL MOTORS CORP.									
ENGINE DATA									
Engine	Years	Bore & Stroke		Block	Engine	Years	Bore & Stroke		Block
3 CYL					4 CYL (Cont.)				
61 CID (1.0L) LP2 Suzuki	1989-2000	2.913in./74mmX3.031in./77mm		1	110 CID (1.8L) LV6 DOHC Isuzu	1992-1993	3.150in./80mmX3.543in./90mm		14
61 CID (1.0L) LS3 Turbo Suzuki Turbocharged	1987-1991	2.913in./74mmX3.031in./77mm		1	111 CID (1.8L) LJ5 SOHC Isuzu Diesel	1981-1986	3.307in./84mmX3.228in./82mm		15
61 CID (1.0L) LY9 Suzuki	1985-1988	2.913in./74mmX3.031in./77mm		1	112 CID (1.8L) L46 Chevrolet	1982	3.504in./89mmX2.913in./74mm		16
159 CID (2.6L) 3-53 Detroit Diesel Supercharged Diesel	1967-1968	3.875in./98.4mmX4.500in./114.3mm		2	1809CC (1.8L) 4XF1 DOHC (RLX) Isuzu	1992-1993	3.150in./80mmX3.543in./90mm		14
4 CYL					1817CC (1.8L) SOHC Isuzu	1972-1982	3.307in./84mmX3.228in./82mm		17
79 CID (1.3L) L72 SOHC Suzuki	1992-1997	2.913in./74mmX2.972in./75.5mm		3	116 CID (1.9L) DOHC Saturn	1991-2002	3.230in./82mmX3.540in./89.9mm		18
79 CID (1.3L) LY8 Suzuki	1998-1999	2.913in./74mmX2.972in./75.5mm		3	116 CID (1.9L) SOHC Saturn	1991-2002	3.230in./82mmX3.540in./89.9mm		18
85 CID (1.4L) LX3 Chevrolet	1976-1977	3.228in./82mmX2.598in./66mm		4	119 CID (1.9L) LR1 SOHC Isuzu	1982-1985	3.425in./87mmX3.228in./82mm		19
92 CID (1.5L) LC0 SOHC Isuzu Turbocharged	1986-1988	3.031in./77mmX3.110in./79mm		5	121 CID (2.0L) LL8 Chevrolet	1987-1989	3.504in./89mmX3.150in./80mm		20
92 CID (1.5L) LC5 Isuzu	1985-1989	3.031in./77mmX3.110in./79mm		5	121 CID (2.0L) LQ2 Chevrolet	1983-1984	3.504in./89mmX3.150in./80mm		21
97 CID (1.6L) LO1 16 Valve Suzuki	1994-2002	2.953in./75mmX3.543in./90mm		6	121 CID (2.0L) LQ5 Chevrolet	1983-1986	3.504in./89mmX3.150in./80mm		21
97 CID (1.6L) LS5 8 Valve Suzuki	1989-1995	2.953in./75mmX3.543in./90mm		6	121 CID (2.0L) LR9 Chevrolet	1983-1984	3.504in./89mmX3.150in./80mm		21
98 CID (1.6L) Chevrolet	1976-1987	3.228in./82mmX2.992in./76mm		4	122 CID (2.0L) Chevrolet	1975-1976	3.500in./88.9mmX3.160in./80.3mm		22
98 CID (1.6L) L73 Daewoo	1988-1993	3.110in./79mmX3.228in./82mm		7	122 CID (2.0L) OHC Pontiac	1987-1994	3.386in./86mmX3.385in./86mm		23
98 CID (1.6L) LC9 SOHC Toyota	1985-1988	3.189in./81mmX3.031in./77mm		8	122 CID (2.0L) OHC Turbo Pontiac Turbocharged	1987-1990	3.386in./86mmX3.385in./86mm		23
98 CID (1.6L) LO1 DOHC Toyota	1989-1997	3.189in./81mmX3.031in./77mm		9	134 CID (2.2L) L42 DOHC 2003 Ecotec General Motors Bi-fuel Gas/CNG	2000	3.386in./86mmX3.724in./94.6mm		24
98 CID (1.6L) LO1 SOHC Isuzu	1990-1993	3.150in./80mmX3.110in./79mm		10	134 CID (2.2L) L61 DOHC 2000-2005 Ecotec General Motors	2000-2005	3.386in./86mmX3.724in./94.6mm		24
98 CID (1.6L) LW0 DOHC Isuzu	1990-1991	3.150in./80mmX3.110in./79mm		10	134 CID (2.2L) LM3 Chevrolet	1990-1991	3.504in./89mmX3.465in./88mm		20
98 CID (1.6L) LW0 DOHC Toyota	1988-1992	3.189in./81mmX3.031in./77mm		9	134 CID (2.2L) LN2/KL6 Chevrolet Bi-fuel Gas/CNG	2000-2002	3.504in./89mmX3.465in./88mm		25
1588CC (1.6L) 4XE1 (RLR) SOHC 12 Valve Isuzu	1991-1993	3.150in./80mmX3.110in./79mm		11	134 CID (2.2L) OHV Chevrolet	1992-2003	3.504in./89mmX3.465in./88mm		26
1588CC (1.6L) 4XE1W DOHC Isuzu	1989-1991	3.150in./80mmX3.110in./79mm		10	137 CID (2.2L) LQ7 OHV Isuzu Diesel	1984-1985	3.465in./88mmX3.622in./92mm		27
1588CC (1.6L) 4XE1WT DOHC Turbo Isuzu Turbocharged	1991-1992	3.150in./80mmX3.110in./79mm		11	2238CC (2.2L) OHV Isuzu Diesel	1981-1982	3.465in./88mmX3.622in./92mm		28
108 CID (1.8L) LV6 DOHC Toyota	1993-1999	3.189in./81mmX3.602in./91.5mm		12	138 CID (2.3L) DOHC Oldsmobile	1987-1996	3.622in./92mmX3.346in./85mm		29
110 CID (1.8L) LA5 OHC Turbo Pontiac Turbocharged	1984-1986	3.339in./84.8mmX3.150in./80mm		13	138 CID (2.3L) L40 SOHC Oldsmobile	1992-1994	3.622in./92mmX3.346in./85mm		30
110 CID (1.8L) LH8 OHC Pontiac	1982-1986	3.339in./84.8mmX3.150in./80mm		13					



GENERAL MOTORS CORP. (Cont.)

ENGINE DATA (Cont.)

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL (Cont.)				6 CYL (Cont.)			
140 CID (2.3L) Chevrolet	1971-1977	3.500in./88.9mmX3.625in./92.1mm	22	229 CID (3.8L) LC3 Chevrolet	1980-1984	3.736in./95mmX3.484in./88.5mm	46
146 CID (2.4L) LD9 DOHC Oldsmobile	1996-2002	3.543in./90mmX3.701in./94mm	31	230 CID (3.8L) Chevrolet	1963-1970	3.875in./98.4mmX3.250in./82.6mm	43
151 CID (2.5L) Carbureted Pontiac	1977-1983	4.000in./101.6mmX3.000in./76.2mm	32	230 CID (3.8L) OHC Pontiac	1966-1967	3.875in./98.4mmX3.250in./82.6mm	53
151 CID (2.5L) Fuel Injected Pontiac	1982-1993	4.000in./101.6mmX3.000in./76.2mm	33	231 CID (3.8L) Carbureted Buick	1975-1987	3.800in./96.5mmX3.400in./86.4mm	54
153 CID (2.5L) Chevrolet	1962-1970	3.875in./98.4mmX3.250in./82.6mm	34	231 CID (3.8L) Fuel Injected Buick	1984-2004	3.800in./96.5mmX3.397in./86.3mm	55
169 CID (2.8L) LK5 Vortec	2004-2006	3.661in./93mmX4.016in./102mm	35	231 CID (3.8L) Supercharged Buick	1991-2004	3.800in./96.5mmX3.400in./86.4mm	56
2800 DOHC 16 Valve Chevrolet				231 CID (3.8L) Turbo Buick Turbocharged	1978-1989	3.800in./96.5mmX3.400in./86.4mm	42
195 CID (3.2L) Pontiac	1961-1963	4.063in./103.2mmX3.750in./95.3mm	36	235 CID (3.9L) Chevrolet	1950-1962	3.563in./90.5mmX3.938in./100mm	57
3856CC (3.9L) 4BD1T OHV Isuzu Turbocharged Diesel	1987-1991	4.016in./102mmX4.646in./118mm	37	235 CID (3.9L) Corvette Chevrolet	1953-1955	3.563in./90.5mmX3.938in./100mm	57
5 CYL				236 CID (3.9L) OHV General Motors	1942-1946	3.562in./90.5mmX3.813in./96.9mm	52
211 CID (3.5L) L52 Vortec	2004-2006	3.661in./93mmX4.016in./102mm	38	248 CID (4.1L) General Motors	1939-1955	3.719in./94.5mmX3.813in./96.9mm	52
3500 DOHC 20 Valve Chevrolet				250 CID (4.1L) Chevrolet	1966-1984	3.875in./98.4mmX3.531in./89.7mm	58
6 CYL				250 CID (4.1L) OHC Pontiac	1968-1969	3.875in./98.4mmX3.531in./89.7mm	53
140 CID (2.3L) Chevrolet Corvair	1960-1961	3.375in./85.7mmX2.593in./65.9mm	39	252 CID (4.1L) LC4 Buick	1980-1984	3.965in./100.7mmX3.400in./86.4mm	44
145 CID (2.4L) Chevrolet Corvair	1961-1963	3.438in./87.33mmX2.593in./65.9mm	39	254 CID (4.2L) LL8 Vortec	2002-2007	3.661in./93mmX4.016in./102mm	59
145 CID (2.4L) Chevrolet Corvair Turbocharged	1962-1963	3.438in./87.33mmX2.593in./65.9mm	39	4200 DOHC 24 Valve Chevrolet			
164 CID (2.7L) Chevrolet Corvair	1964-1969	3.438in./87.3mmX2.938in./74.6mm	39	260 CID (4.3L) Oldsmobile Diesel	1982-1985	4.057in./103mmX3.385in./86mm	60
164 CID (2.7L) Chevrolet Corvair Turbocharged	1964-1966	3.438in./87.3mmX2.938in./74.6mm	39	261 CID (4.3L) Chevrolet	1954-1962	3.750in./95.3mmX3.938in./100mm	61
173 CID (2.8L) Chevrolet	1980-1993	3.504in./89mmX2.992in./76mm	40	262 CID (4.3L) Chevrolet	1985-1996	4.000in./101.6mmX3.484in./88.5mm	62
173 CID (2.8L) Chevrolet LPG	1987-1989	3.504in./89mmX2.992in./76mm	41	262 CID (4.3L) LB4 (ZR9/Z79) Turbo Chevrolet Turbocharged/Intercooled	1991-1993	4.000in./101.6mmX3.484in./88.5mm	62
173 CID (2.8L) Chevrolet Meth	1987-1989	3.504in./89mmX2.992in./76mm	41	262 CID (4.3L) Vortec	1992-2007	4.000in./101.6mmX3.484in./88.5mm	63
181 CID (3.0L) Buick	1982-1988	3.800in./96.5mmX2.660in./67.6mm	42	4300 Chevrolet			
189 CID (3.1L) Chevrolet	1988-2005	3.504in./89mmX3.307in./84mm	41	270 CID (4.4L) OHV General Motors	1939-1962	3.781in./96mmX4.000in./101.6mm	52
189 CID (3.1L) Chevrolet Turbocharged	1989-1990	3.504in./89mmX3.307in./84mm	41	292 CID (4.8L) Chevrolet	1963-1989	3.875in./98.4mmX4.125in./104.8mm	64
189 CID (3.1L) Chevrolet LPG	1988-1993	3.504in./89mmX3.307in./84mm	41	302 CID (5.0L) OHV General Motors	1952-1959	4.000in./101.6mmX4.000in./101.6mm	52
189 CID (3.1L) Chevrolet Meth	1988-1993	3.504in./89mmX3.307in./84mm	41	305 CID (5.0L) General Motors	1960-1974	4.250in./108mmX3.578in./90.8mm	65
189 CID (3.1L) L64 Chevrolet Flex	1993	3.504in./89mmX3.307in./84mm	41	351 CID (5.8L) General Motors	1960-1972	4.563in./115.9mmX3.578in./90.8mm	65
194 CID (3.2L) Chevrolet	1962-1967	3.563in./90.5mmX3.250in./82.6mm	43	351 CID (5.8L) D351 General Motors Diesel	1964-1967	4.563in./115.9mmX3.578in./90.8mm	65
196 CID (3.2L) LC9 Buick	1978-1979	3.500in./88.9mmX3.400in./86.4mm	44	379 CID (6.2L) General Motors	1973-1974	4.563in./115.9mmX3.859in./98mm	66
198 CID (3.2L) Buick	1962-1963	3.625in./92.1mmX3.200in./81.3mm	45	401 CID (6.6L) General Motors	1960-1972	4.875in./123.8mmX3.578in./90.8mm	65
200 CID (3.3L) L26 Chevrolet	1978-1979	3.500in./88.9mmX3.484in./88.5mm	46	432 CID (7.1L) General Motors	1973-1974	4.875in./123.8mmX3.859in./98mm	66
204 CID (3.3L) LG7 Buick	1989-1993	3.701in./94mmX3.160in./80.3mm	47	478 CID (7.8L) General Motors	1964-1974	5.125in./130.2mmX3.859in./98mm	65
207 CID (3.4L) L32 Chevrolet	1993-1995	3.622in./92mmX3.307in./84mm	41	478 CID (7.8L) General Motors Diesel	1964-1974	5.125in./130.2mmX3.859in./98mm	65
207 CID (3.4L) LA1 Chevrolet	1996-2005	3.622in./92mmX3.307in./84mm	41	552 CID (9.0L) 6V-92TA Detroit Diesel Turbocharged/Aftercooled Diesel	1980-1981	4.840in./122.9mmX5.000in./127mm	67
207 CID (3.4L) LQ1 DOHC Chevrolet	1991-1997	3.622in./92mmX3.307in./84mm	48	552 CID (9.0L) 6V-92TTAC Detroit Diesel Supercharged Diesel	1981	4.840in./122.9mmX5.000in./127mm	67
212 CID (3.5L) LX5 Oldsmobile	1999-2002	3.524in./89.5mmX3.524in./89.5mm	49				
215 CID (3.5L) Pontiac	1964-1965	3.750in./95.3mmX3.250in./82.6mm	43				
216 CID (3.5L) Chevrolet	1937-1953	3.500in./88.9mmX3.750in./95.3mm	50				
225 CID (3.7L) Buick	1964-1967	3.750in./95.3mmX3.400in./86.4mm	51				
228 CID (3.7L) General Motors	1939-1953	3.563in./90.5mmX3.813in./96.9mm	52				
229 CID (3.8L) Chevrolet	1980-1982	3.736in./95mmX3.484in./88.5mm	46				



GENERAL MOTORS CORP. (Cont.)

ENGINE DATA (Cont.)

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
8 CYL				8 CYL (Cont.)			
215 CID (3.5L) Aluminum Block & Heads Buick	1961-1963	3.500in./88.9mmX2.800in./71.1mm	68	348 CID (5.7L) Chevrolet	1958-1965	4.125in./104.8mmX3.250in./82.6mm	90
244 CID (4.0L) L47 Oldsmobile	1995-2003	3.425in./87mmX3.307in./84mm	69	350 CID (5.7L) Buick	1968-1981	3.800in./96.5mmX3.850in./97.8mm	91
249 CID (4.1L) Cadillac	1982-1987	3.465in./88mmX3.307in./84mm	70	350 CID (5.7L) Oldsmobile	1968-1980	4.057in./103mmX3.385in./86mm	72
252 CID (4.1L) Cadillac	1987-1988	3.465in./88mmX3.307in./84mm	70	350 CID (5.7L) Pontiac	1968-1977	3.875in./98.4mmX3.750in./95.3mm	85
260 CID (4.3L) LF7 Oldsmobile Diesel	1979	3.500in./88.9mmX3.385in./86mm	71	350 CID (5.7L) Oldsmobile	1978-1985	4.057in./103mmX3.385in./86mm	71
260 CID (4.3L) LV8 Oldsmobile	1975-1982	3.500in./88.9mmX3.385in./86mm	72	350 CID (5.7L) Chevrolet LPG	1967-1985	4.000in./101.6mmX3.484in./88.5mm	73
262 CID (4.3L) Chevrolet	1975-1976	3.670in./93.2mmX3.100in./78.7mm	73	350 CID (5.7L) Carbureted Chevrolet	1967-1989	4.000in./101.6mmX3.484in./88.5mm	73
264 CID (4.3L) Buick	1954-1955	3.625in./92.1mmX3.200in./81.3mm	74	350 CID (5.7L) Fuel Injected Chevrolet	1982-2002	4.000in./101.6mmX3.484in./88.5mm	73
265 CID (4.3L) Chevrolet	1955-1957	3.750in./95.3mmX3.000in./76.2mm	75	350 CID (5.7L) L65 Oldsmobile	1977	4.057in./103mmX3.385in./86mm	92
265 CID (4.3L) L99 Chevrolet	1994-1996	3.750in./95.3mmX3.000in./76.2mm	73	350 CID (5.7L) Vortec 5700 L31/KL5 Chevrolet CNG	1995-2000	4.000in./101.6mmX3.484in./88.5mm	73
265 CID (4.3L) LS5 Pontiac	1980-1981	3.750in./95.3mmX3.000in./76.2mm	76	364 CID (6.0L) Buick	1957-1961	4.125in./104.8mmX3.400in./86.4mm	93
267 CID (4.4L) Chevrolet	1980-1982	3.500in./88.9mmX3.484in./88.5mm	73	365 CID (6.0L) Cadillac	1956-1958	4.000in./101.6mmX3.625in./92.1mm	94
267 CID (4.4L) L39 Chevrolet	1979-1982	3.500in./88.9mmX3.484in./88.5mm	73	365 CID (6.0L) 6000 LS2 Chevrolet	2005-2007	4.000in./101.6mmX3.622in./92mm	95
273 CID (4.5L) Cadillac	1988-1992	3.622in./92mmX3.307in./84mm	70	365 CID (6.0L) Vortec 6000 Chevrolet	1999-2007	4.000in./101.6mmX3.622in./92mm	96
281 CID (4.6L) DOHC (Northstar) Cadillac	1993-2005	3.661in./93mmX3.307in./84mm	69	365 CID (6.0L) Vortec 6000 LQ4 (KL5) Chevrolet CNG	2001-2007	4.000in./101.6mmX3.622in./92mm	96
283 CID (4.6L) Chevrolet	1957-1967	3.875in./98.4mmX3.000in./76.2mm	77	365 CID (6.0L) Vortec 6000 LQ4 (KL6) Chevrolet Bi-fuel Gas/CNG	2002-2007	4.000in./101.6mmX3.622in./92mm	96
287 CID (4.7L) Pontiac	1955	3.750in./95.3mmX3.250in./82.6mm	78	366 CID (6.0L) Chevrolet	1966-1998	3.938in./100mmX3.766in./95.7mm	97
294 CID (4.8L) Vortec 4800 LR4 Chevrolet	1999-2007	3.780in./96mmX3.268in./83mm	79	368 CID (6.0L) Cadillac	1980-1984	3.800in./96.5mmX4.060in./103.1mm	98
300 CID (4.9L) Buick	1964-1967	3.750in./95.3mmX3.400in./86.4mm	80	370 CID (6.1L) General Motors	1957-1959	4.000in./101.6mmX3.688in./93.7mm	99
300 CID (4.9L) L26 Cadillac	1991-1995	3.622in./92mmX3.622in./92mm	70	370 CID (6.1L) Pontiac	1958	4.063in./103.2mmX3.563in./90.5mm	78
301 CID (4.9L) Pontiac	1977-1981	4.000in./101.6mmX3.000in./76.2mm	76	371 CID (6.1L) Oldsmobile	1957-1960	4.000in./101.6mmX3.688in./93.7mm	100
301 CID (4.9L) Pontiac Turbocharged	1980-1981	4.000in./101.6mmX3.000in./76.2mm	76	379 CID (6.2L) Chevrolet Diesel	1982-1993	3.976in./101mmX3.819in./97mm	101
302 CID (5.0L) Chevrolet	1967-1969	4.000in./101.6mmX3.000in./76.2mm	81	389 CID (6.4L) Pontiac	1959-1966	4.063in./103.2mmX3.750in./95.3mm	102
303 CID (5.0L) Rocket V8 Oldsmobile	1950-1953	3.750in./95.3mmX3.438in./87.3mm	82	390 CID (6.4L) Cadillac	1959-1963	4.000in./101.6mmX3.875in./98.4mm	103
305 CID (5.0L) Chevrolet	1976-2002	3.736in./95mmX3.484in./88.5mm	73	394 CID (6.5L) Oldsmobile	1959-1964	4.125in./104.8mmX3.688in./93.7mm	100
305 CID (5.0L) Chevrolet LPG	1976-1994	3.736in./95mmX3.484in./88.5mm	73	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	4.055in./103mmX3.819in./97mm	101
307 CID (5.0L) Chevrolet	1968-1973	3.875in./98.4mmX3.250in./82.6mm	73	395 CID/6468CC (6.5L) Chevrolet Turbocharged Diesel	1992-2002	4.055in./103mmX3.819in./97mm	101
307 CID (5.0L) Oldsmobile	1980-1990	3.800in./96.5mmX3.385in./86mm	83	396 CID (6.6L) Chevrolet	1965-1971	4.094in./104mmX3.766in./95.7mm	97
317 CID (5.2L) General Motors	1956	3.937in./100mmX3.250in./82.6mm	78	400 CID (6.6L) Buick	1967-1969	4.040in./102.6mmX3.900in./99mm	104
322 CID (5.3L) Buick	1953-1956	4.000in./101.6mmX3.200in./81.3mm	74	400 CID (6.6L) Chevrolet	1970-1980	4.125in./104.8mmX3.750in./95.3mm	105
324 CID (5.3L) OHV General Motors	1955-1956	3.875in./98.4mmX3.438in./87.3mm	84	400 CID (6.6L) Oldsmobile	1968-1969	3.875in./98.4mmX4.250in./108mm	106
324 CID (5.3L) Rocket V8 Oldsmobile	1954-1956	3.875in./98.4mmX3.438in./87.3mm	82	400 CID (6.6L) Oldsmobile	1965-1967	4.000in./101.6mmX3.980in./101.1mm	106
325 CID (5.3L) Vortec 5300 Chevrolet	1999-2007	3.780in./96mmX3.622in./92mm	79	400 CID (6.6L) Pontiac	1967-1979	4.120in./104.6mmX3.750in./95.3mm	85
325 CID (5.3L) Vortec 5300 L59 Chevrolet Flex	2002-2007	3.780in./96mmX3.622in./92mm	79	400 CID (6.6L) Oldsmobile	1965-1967	4.000in./101.6mmX3.980in./101.1mm	106
326 CID (5.3L) Pontiac	1963-1967	3.719in./94.5mmX3.750in./95.3mm	85	LPG			
327 CID (5.4L) Chevrolet	1962-1969	4.000in./101.6mmX3.250in./82.6mm	86	401 CID (6.6L) Buick	1959-1966	4.188in./106.4mmX3.640in./92.5mm	107
327 CID (5.4L) Chevrolet LPG	1962-1969	4.000in./101.6mmX3.250in./82.6mm	86	402 CID (6.6L) Chevrolet	1970-1972	4.125in./104.8mmX3.766in./95.7mm	108
330 CID (5.4L) OHV Oldsmobile	1964-1967	3.938in./100mmX3.385in./86mm	87	403 CID (6.6L) L80 Oldsmobile	1977-1979	4.351in./110.5mmX3.385in./86mm	92
331 CID (5.4L) OHV Cadillac	1949-1955	3.8125in./96.8mmX3.625in./92.1mm	88	403 CID/6599CC (6.6L) Duramax 6600 LB7 OHV General Motors	2001-2004	4.055in./103mmX3.898in./99mm	109
336 CID (5.5L) General Motors	1958-1959	3.875in./98.4mmX3.563in./90.5mm	78	Turbocharged/Intercooled Diesel			
340 CID (5.6L) Buick	1966-1967	3.750in./95.3mmX3.850in./97.8mm	89	403 CID/6599CC (6.6L) Duramax 6600 LLY General Motors	2004-2005	4.055in./103mmX3.898in./99mm	109
346 CID (5.7L) LS1 Chevrolet	1997-2004	3.898in./99mmX3.622in./92mm	79	Turbocharged/Intercooled Diesel			
346 CID (5.7L) LS6 Chevrolet	2001-2005	3.898in./99mmX3.622in./92mm	79	409 CID (6.7L) Chevrolet	1961-1965	4.313in./109.6mmX3.500in./88.9mm	90
347 CID (5.7L) General Motors	1957	3.940in./100.1mmX3.563in./90.5mm	78	421 CID (6.9L) Pontiac	1963-1966	4.094in./104mmX4.000in./101.6mm	110



GENERAL MOTORS CORP. (Cont.)

ENGINE DATA (Cont.)

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
8 CYL (Cont.)				8 CYL (Cont.)			
425 CID (7.0L) Buick	1963-1966	4.313in./109.6mmX3.640in./92.5mm	107	455 CID (7.5L) 455 Oldsmobile	1973-1976	4.125in./104.8mmX4.250in./108mm	106
425 CID (7.0L) Cadillac	1977-1979	4.082in./103.7mmX4.060in./103.1mm	98	472 CID (7.7L) Cadillac	1968-1974	4.300in./109.2mmX4.060in./103.1mm	98
425 CID (7.0L) Oldsmobile	1965-1967	4.125in./104.8mmX3.980in./101.1mm	106	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2007	4.252in./108mmX4.370in./111mm	112
427 CID (7.0L) Chevrolet	1966-1998	4.250in./108mmX3.766in./95.7mm	97	500 CID (8.2L) Cadillac	1970-1976	4.300in./109.2mmX4.300in./109.2mm	98
427 CID (7.0L) Chevrolet LPG	1966-1969	4.250in./108mmX3.766in./95.7mm	97	637 CID (10.4L) D637 General Motors Diesel	1966-1970	5.125in./130.2mmX3.859in./98mm	113
428 CID (7.0L) Pontiac	1967-1969	4.120in./104.6mmX4.000in./101.6mm	110	637 CID (10.4L) DH637 General Motors Diesel	1966-1971	5.125in./130.2mmX3.859in./98mm	113
429 CID (7.0L) Cadillac	1964-1967	4.129in./104.9mmX4.000in./101.6mm	111	637 CID (10.4L) OHV General Motors	1966-1971	5.125in./130.2mmX3.859in./98mm	113
430 CID (7.0L) Buick	1967-1969	4.188in./106.4mmX3.900in./99mm	104	12 CYL			
454 CID (7.4L) Chevrolet	1970-2000	4.250in./108mmX4.000in./101.6mm	108	702 CID (11.5L) OHV General Motors	1960-1965	4.563in./115.9mmX3.578in./90.8mm	114
454 CID (7.4L) Chevrolet LPG	1970-1976	4.250in./108mmX4.000in./101.6mm	108				
454 CID (7.4L) LP4 Chevrolet LPG	1999-2000	4.252in./108mmX4.000in./101.6mm	108				
455 CID (7.5L) Buick	1970-1976	4.313in./109.6mmX3.900in./99mm	104				
455 CID (7.5L) Oldsmobile	1968-1976	4.125in./104.8mmX4.250in./108mm	106				
455 CID (7.5L) Pontiac	1970-1976	4.151in./105.4mmX4.210in./106.9mm	110				

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
88 Royale	231 CID (3.8L) Fuel Injected Buick	1989-1999	55	347 CID (5.7L) General Motors	1957	78	
88 Royale	231 CID (3.8L) Supercharged Buick	1995	56	287 CID (4.7L) Pontiac	1955	78	
100	228 CID (3.7L) General Motors	1939-1953	52	400-24	248 CID (4.1L) General Motors	1954-1955	52
100	248 CID (4.1L) General Motors	1954-1955	52	400-27	270 CID (4.4L) OHV General Motors	1951-1955	52
100	270 CID (4.4L) OHV General Motors	1956-1959	52	410-8	287 CID (4.7L) Pontiac	1955	78
100	287 CID (4.7L) Pontiac	1955	78	410V	270 CID (4.4L) OHV General Motors	1955	52
100	317 CID (5.2L) General Motors	1956	78	442	400 CID (6.6L) Oldsmobile	1968-1969	106
100	336 CID (5.5L) General Motors	1958-1959	78	442	455 CID (7.5L) Oldsmobile	1968-1971	106
100	347 CID (5.7L) General Motors	1957	78	450	302 CID (5.0L) OHV General Motors	1955-1959	52
150	228 CID (3.7L) General Motors	1939-1942	52	450-30	302 CID (5.0L) OHV General Motors	1952-1954	52
150	248 CID (4.1L) General Motors	1954-1955	52	470-30	302 CID (5.0L) OHV General Motors	1952-1954	52
150	270 CID (4.4L) OHV General Motors	1956-1959	52	500	302 CID (5.0L) OHV General Motors	1955	52
150	287 CID (4.7L) Pontiac	1955	78	550	324 CID (5.3L) OHV General Motors	1955-1956	84
150	317 CID (5.2L) General Motors	1956	78	550	370 CID (6.1L) General Motors	1957-1959	99
150	336 CID (5.5L) General Motors	1958-1959	78	600	324 CID (5.3L) OHV General Motors	1956	84
150	347 CID (5.7L) General Motors	1957	78	600	370 CID (6.1L) General Motors	1957-1959	99
250	228 CID (3.7L) General Motors	1939-1942	52	1000	230 CID (3.8L) Chevrolet	1964-1965	43
250	248 CID (4.1L) General Motors	1954-1955	52	1000	250 CID (4.1L) Chevrolet	1966	58
250	270 CID (4.4L) OHV General Motors	1956-1959	52	1000	305 CID (5.0L) General Motors	1960-1966	65
250	287 CID (4.7L) Pontiac	1955	78	1200	283 CID (4.6L) Chevrolet	1958-1960	77
250	317 CID (5.2L) General Motors	1956	78	1500	230 CID (3.8L) Chevrolet	1964-1965	43
250	336 CID (5.5L) General Motors	1958-1959	78	1500	250 CID (4.1L) Chevrolet	1966	58
250	347 CID (5.7L) General Motors	1957	78	1500	283 CID (4.6L) Chevrolet	1957	77
260 Series	228 CID (3.7L) General Motors	1941-1942	52	1500	305 CID (5.0L) General Motors	1960-1966	65
280 Series	228 CID (3.7L) General Motors	1947	52	1500	110 CID (1.8L) LH8 OHC Pontiac	1984-1985	13
300	270 CID (4.4L) OHV General Motors	1956-1959	52	2000 Sunbird	110 CID (1.8L) LA5 OHC Turbo Pontiac	1984-1985	13
300 Series	228 CID (3.7L) General Motors	1939-1942	52	2000 Sunbird	121 CID (2.0L) LQ5 Chevrolet	1984-1985	21
300-8	287 CID (4.7L) Pontiac	1955	78	2500	230 CID (3.8L) Chevrolet	1964-1965	43
300-24	248 CID (4.1L) General Motors	1954-1955	52	2500	250 CID (4.1L) Chevrolet	1966	58
350	270 CID (4.4L) OHV General Motors	1956-1959	52	2500	305 CID (5.0L) General Motors	1960-1963	65
350-8	287 CID (4.7L) Pontiac	1955	78	3100	216 CID (3.5L) Chevrolet	1947-1953	50
350-8	336 CID (5.5L) General Motors	1958-1959	78	3100	235 CID (3.9L) Chevrolet	1953-1959	57
350-8	347 CID (5.7L) General Motors	1957	78	3100	265 CID (4.3L) Chevrolet	1955-1957	75
350-24	248 CID (4.1L) General Motors	1954-1955	52	3100	283 CID (4.6L) Chevrolet	1958-1959	77
350-27	270 CID (4.4L) OHV General Motors	1951-1955	52	3200	235 CID (3.9L) Chevrolet	1955-1959	57
370	270 CID (4.4L) OHV General Motors	1956-1959	52	3200	265 CID (4.3L) Chevrolet	1955-1957	75
370-8	287 CID (4.7L) Pontiac	1955	78	3200	283 CID (4.6L) Chevrolet	1958-1959	77
370-8	336 CID (5.5L) General Motors	1958-1959	78				



GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
3400	235 CID (3.9L) Chevrolet	1956	57	8700	265 CID (4.3L) Chevrolet	1956	75
3400	235 CID (3.9L) Chevrolet	1957-1959	57	8800	265 CID (4.3L) Chevrolet	1956	75
3400	235 CID (3.9L) Chevrolet	1955	57	9100	348 CID (5.7L) Chevrolet	1958-1959	90
3500	305 CID (5.0L) General Motors	1963-1966	65	9200	348 CID (5.7L) Chevrolet	1958-1959	90
3500	235 CID (3.9L) Chevrolet	1956	57	9300	348 CID (5.7L) Chevrolet	1958-1959	90
3500	235 CID (3.9L) Chevrolet	1957-1959	57	10100	348 CID (5.7L) Chevrolet	1958-1959	90
3500	235 CID (3.9L) Chevrolet	1955	57	10200	348 CID (5.7L) Chevrolet	1958-1959	90
3600	216 CID (3.5L) Chevrolet	1947-1952	50	10400	348 CID (5.7L) Chevrolet	1958-1959	90
3600	235 CID (3.9L) Chevrolet	1952-1959	57	10500	348 CID (5.7L) Chevrolet	1958-1959	90
3600	265 CID (4.3L) Chevrolet	1955-1957	75	10700	348 CID (5.7L) Chevrolet	1958-1959	90
3600	283 CID (4.6L) Chevrolet	1958-1959	77		305 CID (5.0L) Chevrolet	1976-1994	73
3700	235 CID (3.9L) Chevrolet	1956	57		327 CID (5.4L) Chevrolet	1962-1969	86
3700	235 CID (3.9L) Chevrolet	1957-1959	57		327 CID (5.4L) Chevrolet	1962-1969	86
3700	216 CID (3.5L) Chevrolet	1948	50		350 CID (5.7L) Chevrolet	1969-1985	73
3700	216 CID (3.5L) Chevrolet	1949	50		427 CID (7.0L) Chevrolet	1968-1969	97
3700	235 CID (3.9L) Chevrolet	1955	57		454 CID (7.4L) Chevrolet	1970-1976	108
3700	235 CID (3.9L) Chevrolet	1953-1955	57		305 CID (5.0L) Chevrolet	1976-1994	73
3700	235 CID (3.9L) Chevrolet	1952	57		327 CID (5.4L) Chevrolet	1962-1969	86
3800	216 CID (3.5L) Chevrolet	1947-1952	50		350 CID (5.7L) Chevrolet	1969-1985	73
3800	235 CID (3.9L) Chevrolet	1952-1959	57		427 CID (7.0L) Chevrolet	1968-1969	97
3800	265 CID (4.3L) Chevrolet	1955-1957	75		454 CID (7.4L) Chevrolet	1970-1976	108
3800	283 CID (4.6L) Chevrolet	1958-1959	77		173 CID (2.8L) Chevrolet	1987-1989	41
3900	216 CID (3.5L) Chevrolet	1948	50		173 CID (2.8L) Chevrolet	1987-1989	41
3900	216 CID (3.5L) Chevrolet	1949	50		189 CID (3.1L) Chevrolet	1988-1993	41
3900	235 CID (3.9L) Chevrolet	1950	57		189 CID (3.1L) Chevrolet	1988-1993	41
3900	235 CID (3.9L) Chevrolet	1951	57		327 CID (5.4L) Chevrolet	1962-1969	86
3900	235 CID (3.9L) Chevrolet	1952	57		350 CID (5.7L) Chevrolet	1967-1985	73
3900	235 CID (3.9L) Chevrolet	1953-1955	57		400 CID (6.6L) Oldsmobile	1965-1967	106
4000	351 CID (5.8L) General Motors	1962-1966	65		427 CID (7.0L) Chevrolet	1966-1969	97
4100	235 CID (3.9L) Chevrolet	1949-1959	57		454 CID (7.4L) Chevrolet	1970-1976	108
4100	265 CID (4.3L) Chevrolet	1955-1957	75	A60	478 CID (7.8L) General Motors	1965-1966	65
4400	235 CID (3.9L) Chevrolet	1949-1959	57		Diesel		
4400	265 CID (4.3L) Chevrolet	1955-1957	75	A80	478 CID (7.8L) General Motors	1965	65
4500	235 CID (3.9L) Chevrolet	1949-1959	57		Diesel		
4500	265 CID (4.3L) Chevrolet	1955-1957	75	A4000	351 CID (5.8L) General Motors	1960-1961	65
5000	351 CID (5.8L) General Motors	1962-1965	65	A5000	401 CID (6.6L) General Motors	1960-1961	65
5100	265 CID (4.3L) Chevrolet	1955-1956	75	A6000	401 CID (6.6L) General Motors	1963-1965	65
5100	235 CID (3.9L) Chevrolet	1950-1955	57	A6500	478 CID (7.8L) General Motors	1964-1965	65
5400	265 CID (4.3L) Chevrolet	1955-1956	75	AC400	248 CID (4.1L) General Motors	1939-1940	52
5400	235 CID (3.9L) Chevrolet	1950-1955	57	AC400	270 CID (4.4L) OHV General Motors	1939-1940	52
5700	265 CID (4.3L) Chevrolet	1955-1956	75				
5700	235 CID (3.9L) Chevrolet	1950-1955	57	AC450	248 CID (4.1L) General Motors	1939-1940	52
6000	151 CID (2.5L) Fuel Injected Pontiac	1982-1991	33	ACS400	248 CID (4.1L) General Motors	1939-1940	52
				ACS400	270 CID (4.4L) OHV General Motors	1939-1940	52
6000	173 CID (2.8L) Chevrolet	1982-1989	40				
6000	189 CID (3.1L) Chevrolet	1988-1991	41	ACS450	248 CID (4.1L) General Motors	1939-1940	52
6000	260 CID (4.3L) Oldsmobile Diesel	1982-1985	60	ACW400	248 CID (4.1L) General Motors	1939-1940	52
				ACW400	270 CID (4.4L) OHV General Motors	1939-1940	52
6100	235 CID (3.9L) Chevrolet	1949-1957	57				
6100	261 CID (4.3L) Chevrolet	1954-1959	61	AF400	248 CID (4.1L) General Motors	1939-1940	52
6100	265 CID (4.3L) Chevrolet	1956	75	AF400	270 CID (4.4L) OHV General Motors	1939-1940	52
6400	235 CID (3.9L) Chevrolet	1949-1957	57				
6400	261 CID (4.3L) Chevrolet	1954-1959	61	AF450	248 CID (4.1L) General Motors	1939-1940	52
6400	265 CID (4.3L) Chevrolet	1956	75	AK	216 CID (3.5L) Chevrolet	1941	50
6500	235 CID (3.9L) Chevrolet	1950-1957	57	AL	216 CID (3.5L) Chevrolet	1941	50
6500	261 CID (4.3L) Chevrolet	1954-1959	61	AM	216 CID (3.5L) Chevrolet	1941	50
6500	265 CID (4.3L) Chevrolet	1956	75	AN	216 CID (3.5L) Chevrolet	1941	50
6700	235 CID (3.9L) Chevrolet	1949-1957	57	Acadian	85 CID (1.4L) LX3 Chevrolet	1976-1977	4
6700	265 CID (4.3L) Chevrolet	1956	75	Acadian	98 CID (1.6L) Chevrolet	1976-1987	4
6700				Acadian	111 CID (1.8L) LJ5 SOHC Isuzu Diesel	1981-1986	15
6702	261 CID (4.3L) Chevrolet	1954-1959	61				
6800	235 CID (3.9L) Chevrolet	1952-1957	57	Achieva	138 CID (2.3L) DOHC Oldsmobile	1992-1995	29
6800	261 CID (4.3L) Chevrolet	1954-1959	61				
6800	265 CID (4.3L) Chevrolet	1956	75	Achieva	138 CID (2.3L) L40 SOHC Oldsmobile	1992-1994	30
7100	265 CID (4.3L) Chevrolet	1956	75				
7200	265 CID (4.3L) Chevrolet	1956	75	Achieva	146 CID (2.4L) LD9 DOHC Oldsmobile	1996-1998	31
7300	265 CID (4.3L) Chevrolet	1956	75				
8200	265 CID (4.3L) Chevrolet	1956	75	Achieva	189 CID (3.1L) Chevrolet	1994-1998	41
8400	265 CID (4.3L) Chevrolet	1956	75	Achieva	204 CID (3.3L) LG7 Buick	1992-1993	47
8500	265 CID (4.3L) Chevrolet	1956	75				



GENERAL MOTORS CORP. (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Aerobus	283 CID (4.6L) Chevrolet	1965-1967	77	BL	216 CID (3.5L) Chevrolet	1942-1945	50
Aerobus	307 CID (5.0L) Chevrolet	1968	73	BM	216 CID (3.5L) Chevrolet	1942-1945	50
Aerobus	327 CID (5.4L) Chevrolet	1966-1969	86	BN	216 CID (3.5L) Chevrolet	1942-1945	50
Aerobus	350 CID (5.7L) Carbureted Chevrolet	1970-1975	73	BV4000	305 CID (5.0L) General Motors	1960-1963	65
Alero	134 CID (2.2L) L61 DOHC Ecotec General Motors	2002-2004	24	BV4000	351 CID (5.8L) General Motors	1960-1961	65
Alero	146 CID (2.4L) LD9 DOHC Oldsmobile	1999-2001	31	BV5000	351 CID (5.8L) General Motors	1960-1962	65
Alero	207 CID (3.4L) LA1 Chevrolet	1999-2004	41	BV5500	401 CID (6.6L) General Motors	1960-1965	65
Allante	252 CID (4.1L) Cadillac	1987-1988	70	BV6000	401 CID (6.6L) General Motors	1960-1965	65
Allante	273 CID (4.5L) Cadillac	1989-1992	70	BW7000	702 CID (11.5L) OHV General Motors	1960-1965	114
Allante	281 CID (4.6L) DOHC (Northstar) Cadillac	1993	69	BW9000	702 CID (11.5L) OHV General Motors	1960-1961	114
Apollo	231 CID (3.8L) Carbureted Buick	1975	54	BWA5000	351 CID (5.8L) General Motors	1960-1962	65
Apollo	250 CID (4.1L) Chevrolet	1973-1975	58	BWA5000	401 CID (6.6L) General Motors	1960-1961	65
Apollo	260 CID (4.3L) LV8 Oldsmobile	1975	72	BWA5500	401 CID (6.6L) General Motors	1960-1965	65
Apollo	350 CID (5.7L) Buick	1973-1974	91	BWV5000	351 CID (5.8L) General Motors	1960-1962	65
Astre	140 CID (2.3L) Chevrolet	1975	22	BWV5000	401 CID (6.6L) General Motors	1960-1961	65
Astre	151 CID (2.5L) Carbureted	1977	32	BWV5500	401 CID (6.6L) General Motors	1960-1965	65
Pontiac	151 CID (2.5L) Fuel Injected Pontiac	1985-1991	33	Beauville	235 CID (3.9L) Chevrolet	1955-1957	57
Astro	262 CID (4.3L) Chevrolet	1985-1994	62	Beauville	265 CID (4.3L) Chevrolet	1955-1957	75
Astro	262 CID (4.3L) Vortec 4300 Chevrolet	1992-2005	63	Beauville	283 CID (4.6L) Chevrolet	1957	77
Astro EXT	262 CID (4.3L) Chevrolet	1990-1994	62	Bel Air	229 CID (3.8L) LC3 Chevrolet	1980-1981	46
Astro EXT	262 CID (4.3L) Vortec 4300 Chevrolet	1992-1994	63	Bel Air	230 CID (3.8L) Chevrolet	1964-1965	43
Aurora	212 CID (3.5L) LX5 Oldsmobile	2001-2002	49	Bel Air	231 CID (3.8L) Carbureted Buick	1980-1981	54
Aurora	244 CID (4.0L) L47 Oldsmobile	1995-2003	69	Bel Air	235 CID (3.9L) Chevrolet	1953-1960	57
Avalanche 1500	325 CID (5.3L) Vortec 5300 Chevrolet	2002-2004	79	Bel Air	250 CID (4.1L) Chevrolet	1965-1975	58
Avalanche 1500	325 CID (5.3L) Vortec 5300 L59 Chevrolet	2005-2006	79	Bel Air	265 CID (4.3L) Chevrolet	1955-1957	75
Avalanche 2500	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2002-2006	112	Bel Air	267 CID (4.4L) L39 Chevrolet	1980-1981	73
Aztek	207 CID (3.4L) LA1 Chevrolet	2001-2005	41	Bel Air	283 CID (4.6L) Chevrolet	1957-1967	77
B6	350 CID (5.7L) Carbureted Chevrolet	1979-1989	73	Bel Air	305 CID (5.0L) Chevrolet	1977-1981	73
B6	366 CID (6.0L) Chevrolet	1979-1992	97	Bel Air	307 CID (5.0L) Chevrolet	1968	73
B6	427 CID (7.0L) Chevrolet	1979-1984	97	Bel Air	327 CID (5.4L) Chevrolet	1962-1968	86
B7	366 CID (6.0L) Chevrolet	1993-1998	97	Bel Air	348 CID (5.7L) Chevrolet	1958-1961	90
B7	427 CID (7.0L) Chevrolet	1993-1998	97	Bel Air	350 CID (5.7L) Carbureted Chevrolet	1969-1975	73
B7	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2005	112	Bel Air	396 CID (6.6L) Chevrolet	1965-1968	97
B3500	305 CID (5.0L) General Motors	1963-1966	65	Bel Air	400 CID (6.6L) Chevrolet	1971-1981	105
B4000	305 CID (5.0L) General Motors	1963-1966	65	Bel Air	402 CID (6.6L) Chevrolet	1971-1972	108
B4000	351 CID (5.8L) General Motors	1963-1965	65	Bel Air	409 CID (6.7L) Chevrolet	1961-1965	90
B5000	351 CID (5.8L) General Motors	1963-1965	65	Bel Air	427 CID (7.0L) Chevrolet	1966-1969	97
B6000	350 CID (5.7L) Carbureted Chevrolet	1979-1989	73	Bel Air	454 CID (7.4L) Chevrolet	1971-1975	108
B6000	366 CID (6.0L) Chevrolet	1979-1992	97	Beretta	121 CID (2.0L) LL8 Chevrolet	1987-1989	20
B6000	427 CID (7.0L) Chevrolet	1979-1984	97	Beretta	134 CID (2.2L) LM3 Chevrolet	1990-1991	20
B7000	702 CID (11.5L) OHV General Motors	1960-1965	114	Beretta	134 CID (2.2L) OHV Chevrolet	1992-1996	26
B7000	366 CID (6.0L) Chevrolet	1993-1998	97	Beretta	138 CID (2.3L) DOHC Oldsmobile	1989-1993	29
B7000	427 CID (7.0L) Chevrolet	1993-1998	97	Beretta	173 CID (2.8L) Chevrolet	1987-1989	40
B7500	454 CID (7.4L) Chevrolet	1999-2000	108	Beretta	189 CID (3.1L) Chevrolet	1990-1996	41
B7500	454 CID (7.4L) LP4 Chevrolet	1999-2000	108	Biscayne	230 CID (3.8L) Chevrolet	1964-1965	43
BA4000	305 CID (5.0L) General Motors	1960-1963	65	Biscayne	235 CID (3.9L) Chevrolet	1958-1963	57
BA4000	351 CID (5.8L) General Motors	1960-1961	65	Biscayne	250 CID (4.1L) Chevrolet	1965-1972	58
BA5000	351 CID (5.8L) General Motors	1960-1962	65	Biscayne	283 CID (4.6L) Chevrolet	1958-1967	77
BA5500	401 CID (6.6L) General Motors	1960-1965	65	Biscayne	307 CID (5.0L) Chevrolet	1968	73
BA6000	401 CID (6.6L) General Motors	1960-1965	65	Biscayne	327 CID (5.4L) Chevrolet	1962-1968	86
BA6500	478 CID (7.8L) General Motors	1964-1965	65	Biscayne	348 CID (5.7L) Chevrolet	1958-1961	90
BH4000	305 CID (5.0L) General Motors	1963-1965	65	Biscayne	350 CID (5.7L) Carbureted Chevrolet	1969-1972	73
BH4000	351 CID (5.8L) General Motors	1963-1965	65	Biscayne	396 CID (6.6L) Chevrolet	1965-1968	97
BH5000	401 CID (6.6L) General Motors	1963-1965	65	Biscayne	400 CID (6.6L) Chevrolet	1970-1972	105
BK	216 CID (3.5L) Chevrolet	1942	50	Biscayne	402 CID (6.6L) Chevrolet	1970-1972	108
				Biscayne	409 CID (6.7L) Chevrolet	1961-1965	90
				Biscayne	427 CID (7.0L) Chevrolet	1966-1969	97
				Biscayne	454 CID (7.4L) Chevrolet	1970-1972	108
				Blazer	250 CID (4.1L) Chevrolet	1969-1982	58
				Blazer	262 CID (4.3L) Chevrolet	1985-1988	62
				Blazer	262 CID (4.3L) Vortec 4300 Chevrolet	1995-2005	63
				Blazer	292 CID (4.8L) Chevrolet	1969-1986	64
				Blazer	305 CID (5.0L) Chevrolet	1977-1988	73



GENERAL MOTORS CORP. (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Blazer	307 CID (5.0L) Chevrolet	1969-1972	73	C10	379 CID (6.2L) Chevrolet Diesel	1982-1986	101
Blazer	350 CID (5.7L) Carbureted Chevrolet	1969-1986	73	C10	396 CID (6.6L) Chevrolet	1968-1969	97
Blazer	350 CID (5.7L) Oldsmobile Diesel	1978-1981	71	C10	402 CID (6.6L) Chevrolet	1970-1972	108
Blazer	350 CID (5.7L) Fuel Injected Chevrolet	1987-1994	73	C10 Suburban	454 CID (7.4L) Chevrolet	1973-1982	108
Blazer	379 CID (6.2L) Chevrolet Diesel	1982-1991	101	C10 Suburban	230 CID (3.8L) Chevrolet	1963-1965	43
Blazer	395 CID/6468CC (6.5L) Chevrolet Diesel	1994	101	C10 Suburban	235 CID (3.9L) Chevrolet	1960-1962	57
Blazer	400 CID (6.6L) Chevrolet	1975-1980	105	C10 Suburban	250 CID (4.1L) Chevrolet	1966-1984	58
Blazer	454 CID (7.4L) Chevrolet	1973-1982	108	C10 Suburban	261 CID (4.3L) Chevrolet	1962	61
Bonneville	231 CID (3.8L) Carbureted Buick	1980-1986	54	C10 Suburban	262 CID (4.3L) Chevrolet	1985-1986	62
Bonneville	231 CID (3.8L) Fuel Injected Buick	1987-2005	55	C10 Suburban	283 CID (4.6L) Chevrolet	1960-1967	77
Bonneville	231 CID (3.8L) Supercharged Buick	1992-2003	56	C10 Suburban	292 CID (4.8L) Chevrolet	1963-1986	64
Bonneville	252 CID (4.1L) LC4 Buick	1982	44	C10 Suburban	305 CID (5.0L) Chevrolet	1977-1986	73
Bonneville	260 CID (4.3L) Oldsmobile Diesel	1982	60	C10 Suburban	307 CID (5.0L) Chevrolet	1968-1972	73
Bonneville	262 CID (4.3L) Chevrolet	1986	62	C10 Suburban	327 CID (5.4L) Chevrolet	1965-1968	86
Bonneville	265 CID (4.3L) LS5 Pontiac	1980-1981	76	C10 Suburban	350 CID (5.7L) Carbureted Chevrolet	1969-1986	73
Bonneville	281 CID (4.6L) DOHC (Northstar) Cadillac	2004-2005	69	C10 Suburban	350 CID (5.7L) Oldsmobile Diesel	1978-1981	71
Bonneville	301 CID (4.9L) Pontiac	1977-1981	76	C10 Suburban	379 CID (6.2L) Chevrolet Diesel	1982-1986	101
Bonneville	305 CID (5.0L) Chevrolet	1983-1986	73	C10 Suburban	396 CID (6.6L) Chevrolet	1968-1969	97
Bonneville	307 CID (5.0L) Oldsmobile	1981	83	C10 Suburban	402 CID (6.6L) Chevrolet	1970-1972	108
Bonneville	350 CID (5.7L) Oldsmobile	1977-1980	72	C10 Suburban	454 CID (7.4L) Chevrolet	1973-1982	108
Bonneville	350 CID (5.7L) Carbureted Chevrolet	1977-1979	73	C20	230 CID (3.8L) Chevrolet	1963-1969	43
Bonneville	350 CID (5.7L) Buick	1978-1980	91	C20	235 CID (3.9L) Chevrolet	1960-1962	57
Bonneville	350 CID (5.7L) Pontiac	1976-1977	85	C20	250 CID (4.1L) Chevrolet	1966-1984	58
Bonneville	350 CID (5.7L) Oldsmobile Diesel	1980-1984	71	C20	261 CID (4.3L) Chevrolet	1962	61
Bonneville	389 CID (6.4L) Pontiac	1960-1966	102	C20	262 CID (4.3L) Chevrolet	1985-1986	62
Bonneville	400 CID (6.6L) Pontiac	1967-1978	85	C20	283 CID (4.6L) Chevrolet	1960-1967	77
Bonneville	400 CID (6.6L) Chevrolet	1973-1976	105	C20	292 CID (4.8L) Chevrolet	1963-1986	64
Bonneville	403 CID (6.6L) L80 Oldsmobile	1977-1979	92	C20	305 CID (5.0L) Chevrolet	1977-1979	73
Bonneville	421 CID (6.9L) Pontiac	1963-1966	110	C20	307 CID (5.0L) Chevrolet	1968-1972	73
Bonneville	428 CID (7.0L) Pontiac	1967-1969	110	C20 Suburban	327 CID (5.4L) Chevrolet	1967-1968	86
Bonneville	455 CID (7.5L) Pontiac	1970-1975	110	C20 Suburban	350 CID (5.7L) Carbureted Chevrolet	1969-1986	73
Bonneville Custom	370 CID (6.1L) Pontiac	1958	78	C20 Suburban	350 CID (5.7L) Oldsmobile Diesel	1978	71
Bonneville Custom	389 CID (6.4L) Pontiac	1959-1962	102	C20 Suburban	379 CID (6.2L) Chevrolet Diesel	1982-1986	101
Bravada	254 CID (4.2L) LL8 Vortec 4200 DOHC 24 Valve Chevrolet	2002-2004	59	C20 Suburban	396 CID (6.6L) Chevrolet	1968-1969	97
Bravada	262 CID (4.3L) Chevrolet	1991-1994	62	C20 Suburban	402 CID (6.6L) Chevrolet	1970-1972	108
Bravada	262 CID (4.3L) Vortec 4300 Chevrolet	1992-2001	63	C20 Suburban	454 CID (7.4L) Chevrolet	1973-1986	108
Brookwood	235 CID (3.9L) Chevrolet	1958-1960	57	C20 Suburban	250 CID (4.1L) Chevrolet	1967-1978	58
Brookwood	283 CID (4.6L) Chevrolet	1958-1961	77	C20 Suburban	283 CID (4.6L) Chevrolet	1967	77
Brookwood	348 CID (5.7L) Chevrolet	1958-1961	90	C20 Suburban	292 CID (4.8L) Chevrolet	1967-1980	64
Brookwood	409 CID (6.7L) Chevrolet	1961	90	C20 Suburban	305 CID (5.0L) Chevrolet	1977-1979	73
Brougham	305 CID (5.0L) Chevrolet	1991-1992	73	C20 Suburban	307 CID (5.0L) Chevrolet	1968-1972	73
Brougham	307 CID (5.0L) Oldsmobile	1987-1990	83	C20 Suburban	327 CID (5.4L) Chevrolet	1967-1968	86
Brougham	350 CID (5.7L) Fuel Injected Chevrolet	1990-1992	73	C20 Suburban	350 CID (5.7L) Carbureted Chevrolet	1969-1986	73
C10	230 CID (3.8L) Chevrolet	1963-1969	43	C20 Suburban	350 CID (5.7L) Oldsmobile Diesel	1978	71
C10	235 CID (3.9L) Chevrolet	1960-1962	57	C20 Suburban	379 CID (6.2L) Chevrolet Diesel	1982-1986	101
C10	250 CID (4.1L) Chevrolet	1966-1984	58	C20 Suburban	396 CID (6.6L) Chevrolet	1968-1969	97
C10	261 CID (4.3L) Chevrolet	1962	61	C20 Suburban	402 CID (6.6L) Chevrolet	1970-1972	108
C10	262 CID (4.3L) Chevrolet	1985-1986	62	C20 Suburban	454 CID (7.4L) Chevrolet	1973-1986	108
C10	283 CID (4.6L) Chevrolet	1960-1967	77	C30	230 CID (3.8L) Chevrolet	1963-1969	43
C10	292 CID (4.8L) Chevrolet	1963-1986	64	C30	235 CID (3.9L) Chevrolet	1960-1962	57
C10	305 CID (5.0L) Chevrolet	1976-1986	73	C30	250 CID (4.1L) Chevrolet	1966-1975	58
C10	307 CID (5.0L) Chevrolet	1968-1972	73	C30	261 CID (4.3L) Chevrolet	1962	61
C10	327 CID (5.4L) Chevrolet	1965-1968	86	C30	283 CID (4.6L) Chevrolet	1960-1967	77
C10	350 CID (5.7L) Carbureted Chevrolet	1969-1986	73	C30	292 CID (4.8L) Chevrolet	1963-1986	64
C10	350 CID (5.7L) Oldsmobile Diesel	1978-1981	71	C30	305 CID (5.0L) Chevrolet	1981-1986	73
				C30	307 CID (5.0L) Chevrolet	1968-1972	73
				C30	327 CID (5.4L) Chevrolet	1965-1968	86
				C30	350 CID (5.7L) Carbureted Chevrolet	1969-1986	73
				C30	379 CID (6.2L) Chevrolet Diesel	1982-1986	101
				C30	396 CID (6.6L) Chevrolet	1968-1969	97
				C30	402 CID (6.6L) Chevrolet	1970-1972	108
				C30	454 CID (7.4L) Chevrolet	1973-1986	108
				C40	235 CID (3.9L) Chevrolet	1960-1962	57
				C50	230 CID (3.8L) Chevrolet	1963-1965	43



MODEL DATA (Cont.)

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GENERAL MOTORS CORP. (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
C2500	307 CID (5.0L) Chevrolet	1970-1972	73	C6000	366 CID (6.0L) Chevrolet	1979-1988	97
C2500	350 CID (5.7L) Carbureted Chevrolet	1970-1986	73	C6000 Topkick	366 CID (6.0L) Chevrolet	1990-1998	97
C2500	350 CID (5.7L) Fuel Injected Chevrolet	1988-1998	73	C6000 Topkick	427 CID (7.0L) Chevrolet	1997-1998	97
C2500	350 CID (5.7L) Vortec 5700 L31/KL5 Chevrolet	1996-1998	73	C6000 Topkick	454 CID (7.4L) Chevrolet	1999-2000	108
C2500	379 CID (6.2L) Chevrolet Diesel	1982-1986	101	C6000 Topkick	454 CID (7.4L) LP4 Chevrolet	1999-2000	108
C2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-1998	101	C6000 Topkick	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2002	112
C2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1995	101	C7000	366 CID (6.0L) Chevrolet	1979-1988	97
C2500	396 CID (6.6L) Chevrolet	1968-1970	97	C7000	427 CID (7.0L) Chevrolet	1979-1989	97
C2500	402 CID (6.6L) Chevrolet	1971-1972	108	C7000	454 CID (7.4L) Chevrolet	1979-1982	108
C2500	454 CID (7.4L) Chevrolet	1973-1998	108	C7000 Topkick	366 CID (6.0L) Chevrolet	1990-1998	97
C3500	262 CID (4.3L) Chevrolet	1988-1991	62	C7000 Topkick	427 CID (7.0L) Chevrolet	1990-1998	97
C3500	305 CID (5.0L) Chevrolet	1988-1991	73	C7000 Topkick	454 CID (7.4L) Chevrolet	1999-2000	108
C3500	350 CID (5.7L) Fuel Injected Chevrolet	1988-1998	73	C7000 Topkick	454 CID (7.4L) LP4 Chevrolet	1999-2000	108
C3500	379 CID (6.2L) Chevrolet Diesel	1988-1993	101	C7000 Topkick	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2002	112
C3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-1998	101	C8000	427 CID (7.0L) Chevrolet	1979-1982	97
C3500	454 CID (7.4L) Chevrolet	1988-1998	108	C8000	427 CID (7.0L) Chevrolet	1979-1982	97
C3500 Silverado Classic	350 CID (5.7L) Fuel Injected Chevrolet	1999-2000	73	CC300	236 CID (3.9L) OHV General Motors	1942-1946	52
C3500 Silverado Classic	395 CID/6468CC (6.5L) Chevrolet Diesel	1999-2000	101	CC350	236 CID (3.9L) OHV General Motors	1942-1946	52
C3500 Silverado Classic	454 CID (7.4L) Chevrolet	1999-2000	108	CC400	248 CID (4.1L) General Motors	1941-1946	52
C3500	250 CID (4.1L) Chevrolet	1967-1974	58	CC400	270 CID (4.4L) OHV General Motors	1941-1947	52
C3500	262 CID (4.3L) Chevrolet	1988-1991	62	CC450	248 CID (4.1L) General Motors	1941-1947	52
C3500	292 CID (4.8L) Chevrolet	1967-1986	64	CCS300	236 CID (3.9L) OHV General Motors	1942-1946	52
C3500	305 CID (5.0L) General Motors	1967-1969	65	CCS350	236 CID (3.9L) OHV General Motors	1942-1946	52
C3500	305 CID (5.0L) Chevrolet	1985-1991	73	CCS400	248 CID (4.1L) General Motors	1941-1946	52
C3500	307 CID (5.0L) Chevrolet	1970-1972	73	CCS400	270 CID (4.4L) OHV General Motors	1941-1947	52
C3500	350 CID (5.7L) Carbureted Chevrolet	1970-1986	73	CCS450	248 CID (4.1L) General Motors	1941-1946	52
C3500	350 CID (5.7L) Fuel Injected Chevrolet	1988-1998	73	CCT350	236 CID (3.9L) OHV General Motors	1942-1946	52
C3500	379 CID (6.2L) Chevrolet Diesel	1982-1986	101	CCT400	270 CID (4.4L) OHV General Motors	1941-1947	52
C3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-1998	101	CCW400	248 CID (4.1L) General Motors	1941-1946	52
C3500	396 CID (6.6L) Chevrolet	1968-1970	97	CCW400	270 CID (4.4L) OHV General Motors	1941-1947	52
C3500	402 CID (6.6L) Chevrolet	1971-1972	108	CE40	350 CID (5.7L) Carbureted Chevrolet	1969-1972	73
C3500	454 CID (7.4L) Chevrolet	1973-1998	108	CE50	327 CID (5.4L) Chevrolet	1966-1968	86
C3500HD	350 CID (5.7L) Fuel Injected Chevrolet	1992-1995	73	CE50	350 CID (5.7L) Carbureted Chevrolet	1969-1978	73
C3500HD	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-1998	101	CE50	366 CID (6.0L) Chevrolet	1967-1972	97
C3500HD	454 CID (7.4L) Chevrolet	1991-1998	108	CE60	327 CID (5.4L) Chevrolet	1966-1968	86
C3500HD	350 CID (5.7L) Fuel Injected Chevrolet	1992-1995	73	CE60	350 CID (5.7L) Carbureted Chevrolet	1973-1978	73
C3500HD	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-1998	101	CE60	366 CID (6.0L) Chevrolet	1967-1978	97
C3500HD	454 CID (7.4L) Chevrolet	1991-1998	108	CE60	427 CID (7.0L) Chevrolet	1966-1972	97
C3500HD	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2002	112	CE65	366 CID (6.0L) Chevrolet	1973-1978	97
C3500HD Silverado Classic	395 CID/6468CC (6.5L) Chevrolet Diesel	1999-2002	101	CE65	427 CID (7.0L) Chevrolet	1973-1978	97
C3500HD Silverado Classic	454 CID (7.4L) Chevrolet	1999-2000	108	CE5500	366 CID (6.0L) Chevrolet	1969-1972	97
C3500HD Silverado Classic	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2002	112	CE6000	366 CID (6.0L) Chevrolet	1973-1978	97
C5000	292 CID (4.8L) Chevrolet	1979-1986	64	CE6500	366 CID (6.0L) Chevrolet	1969-1978	97
C5000	350 CID (5.7L) Carbureted Chevrolet	1979-1989	73	CE6500	427 CID (7.0L) Chevrolet	1969-1978	97
C5000	366 CID (6.0L) Chevrolet	1990-1991	97	CE9500	637 CID (10.4L) OHV General Motors	1967-1968	113
C6000	292 CID (4.8L) Chevrolet	1979-1986	64	CF300	236 CID (3.9L) OHV General Motors	1942-1946	52
C6000	350 CID (5.7L) Carbureted Chevrolet	1979-1989	73	CF350	236 CID (3.9L) OHV General Motors	1942-1946	52
				CF400	248 CID (4.1L) General Motors	1941-1946	52
				CF400	270 CID (4.4L) OHV General Motors	1941-1947	52
				CF450	248 CID (4.1L) General Motors	1941-1947	52



GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
CFT400	270 CID (4.4L) OHV General Motors	1941-1947	52	Camaro	267 CID (4.4L) L39 Chevrolet	1979-1982	73
CFW350	236 CID (3.9L) OHV General Motors	1942-1946	52	Camaro	283 CID (4.6L) Chevrolet	1967	77
CFW400	270 CID (4.4L) OHV General Motors	1941-1947	52	Camaro	302 CID (5.0L) Chevrolet	1967-1969	81
CG50	478 CID (7.8L) General Motors Diesel	1967-1970	65	Camaro	305 CID (5.0L) Chevrolet	1976-1993	73
CG60	478 CID (7.8L) General Motors Diesel	1967-1969	65	Camaro	307 CID (5.0L) Chevrolet	1968-1973	73
CG5500	478 CID (7.8L) General Motors Diesel	1970-1972	65	Camaro	327 CID (5.4L) Chevrolet	1967-1969	86
CG6000	478 CID (7.8L) General Motors Diesel	1973-1974	65	Camaro	346 CID (5.7L) LS1 Chevrolet	1998-2002	79
CJ9500	637 CID (10.4L) D637 General Motors Diesel	1967-1968	113	Camaro	350 CID (5.7L) Carbureted Chevrolet	1967-1981	73
CK	216 CID (3.5L) Chevrolet	1944-1945	50	Camaro	350 CID (5.7L) Fuel Injected Chevrolet	1987-1997	73
CM65	432 CID (7.1L) General Motors	1973-1974	66	Camaro	396 CID (6.6L) Chevrolet	1967-1970	97
CM3500	305 CID (5.0L) General Motors	1967-1969	65	Camaro	402 CID (6.6L) Chevrolet	1970-1972	108
CM3500	351 CID (5.8L) General Motors	1967-1969	65	Camaro	427 CID (7.0L) Chevrolet	1967-1969	97
CM5500	305 CID (5.0L) General Motors	1970-1972	65	Canyon	169 CID (2.8L) LK5 Vortec 2800 DOHC 16 Valve Chevrolet	2004-2006	35
CM5500	351 CID (5.8L) General Motors	1970-1972	65	Canyon	211 CID (3.5L) L52 Vortec 3500 DOHC 20 Valve Chevrolet	2004-2006	38
CM6000	305 CID (5.0L) General Motors	1973-1974	65	Caprice	229 CID (3.8L) LC3 Chevrolet	1980-1984	46
CM6000	379 CID (6.2L) General Motors	1973-1974	66	Caprice	231 CID (3.8L) Carbureted Buick	1980-1985	54
CM6500	351 CID (5.8L) General Motors	1970-1972	65	Caprice	250 CID (4.1L) Chevrolet	1976-1979	58
CM6500	379 CID (6.2L) General Motors	1973-1974	66	Caprice	262 CID (4.3L) Chevrolet	1985-1993	62
CM6500	432 CID (7.1L) General Motors	1973-1974	66	Caprice	265 CID (4.3L) L99 Chevrolet	1994-1996	73
CS40	250 CID (4.1L) Chevrolet	1967-1972	58	Caprice	267 CID (4.4L) L39 Chevrolet	1980-1982	73
CS50	250 CID (4.1L) Chevrolet	1966	58	Caprice	283 CID (4.6L) Chevrolet	1966-1967	77
CS4500	292 CID (4.8L) Chevrolet	1970-1972	64	Caprice	305 CID (5.0L) Chevrolet	1977-1993	73
CS5000	292 CID (4.8L) Chevrolet	1973-1978	64	Caprice	307 CID (5.0L) Chevrolet	1968-1973	73
CS5500	292 CID (4.8L) Chevrolet	1970-1972	64	Caprice	307 CID (5.0L) Oldsmobile	1980-1990	83
CS6000	292 CID (4.8L) Chevrolet	1973-1978	64	Caprice	327 CID (5.4L) Chevrolet	1966-1969	86
CTF350	236 CID (3.9L) OHV General Motors	1942-1946	52	Caprice	350 CID (5.7L) Carbureted Chevrolet	1967-1988	73
CTS-V	346 CID (5.7L) LS6 Chevrolet	2004-2005	79	Caprice	350 CID (5.7L) Oldsmobile Diesel	1978-1985	71
CTS-V	365 CID (6.0L) 6000 LS2 Chevrolet	2006-2007	95	Caprice	350 CID (5.7L) Fuel Injected Chevrolet	1989-1996	73
Caballero	200 CID (3.3L) L26 Chevrolet	1978-1979	46	Caprice	396 CID (6.6L) Chevrolet	1966-1968	97
Caballero	229 CID (3.8L) LC3 Chevrolet	1980-1984	46	Caprice	400 CID (6.6L) Chevrolet	1970-1976	105
Caballero	231 CID (3.8L) Carbureted Buick	1978-1984	54	Caprice	402 CID (6.6L) Chevrolet	1970-1972	108
Caballero	262 CID (4.3L) Chevrolet	1985-1987	62	Caprice	427 CID (7.0L) Chevrolet	1966-1969	97
Caballero	267 CID (4.4L) L39 Chevrolet	1979-1982	73	Caprice	454 CID (7.4L) Chevrolet	1970-1975	108
Caballero	305 CID (5.0L) Chevrolet	1978-1987	73	Catalina	231 CID (3.8L) Carbureted Buick	1976-1981	54
Caballero	350 CID (5.7L) Carbureted Chevrolet	1978-1980	73	Catalina	265 CID (4.3L) LS5 Pontiac	1980-1981	76
Caballero	350 CID (5.7L) Oldsmobile Diesel	1983-1984	71	Catalina	301 CID (4.9L) Pontiac	1977-1981	76
Calais	138 CID (2.3L) DOHC Oldsmobile	1987-1991	29	Catalina	305 CID (5.0L) Chevrolet	1977	73
Calais	151 CID (2.5L) Fuel Injected Pontiac	1985-1991	33	Catalina	307 CID (5.0L) Oldsmobile	1980-1981	83
Calais	181 CID (3.0L) Buick	1985-1988	42	Catalina	350 CID (5.7L) Oldsmobile	1972-1980	72
Calais	204 CID (3.3L) LG7 Buick	1989-1991	47	Catalina	350 CID (5.7L) Carbureted Chevrolet	1974-1981	73
Calais	429 CID (7.0L) Cadillac	1965-1967	111	Catalina	350 CID (5.7L) Buick	1978-1980	91
Calais	472 CID (7.7L) Cadillac	1968-1974	98	Catalina	350 CID (5.7L) Pontiac	1970-1977	85
Calais	500 CID (8.2L) Cadillac	1975-1976	98	Catalina	350 CID (5.7L) Oldsmobile Diesel	1978-1981	71
Camaro	151 CID (2.5L) Carbureted Pontiac	1982-1983	32	Catalina	389 CID (6.4L) Pontiac	1959-1965	102
Camaro	151 CID (2.5L) Fuel Injected Pontiac	1982-1986	33	Catalina	400 CID (6.6L) Pontiac	1967-1978	85
Camaro	173 CID (2.8L) Chevrolet	1982-1989	40	Catalina	403 CID (6.6L) L80 Oldsmobile	1977-1979	92
Camaro	189 CID (3.1L) Chevrolet	1990-1992	41	Catalina	421 CID (6.9L) Pontiac	1963-1966	110
Camaro	207 CID (3.4L) L32 Chevrolet	1993-1995	41	Catalina	428 CID (7.0L) Pontiac	1967-1969	110
Camaro	229 CID (3.8L) LC3 Chevrolet	1980-1984	46	Catalina	455 CID (7.5L) Pontiac	1970-1975	110
Camaro	230 CID (3.8L) Chevrolet	1967-1970	43	Cavalier	112 CID (1.8L) L46 Chevrolet	1982	16
Camaro	231 CID (3.8L) Carbureted Buick	1978-1987	54	Cavalier	121 CID (2.0L) LQ5 Chevrolet	1983-1986	21
Camaro	231 CID (3.8L) Fuel Injected Buick	1995-2002	55	Cavalier	121 CID (2.0L) LR9 Chevrolet	1983-1984	21
Camaro	250 CID (4.1L) Chevrolet	1967-1979	58	Cavalier	121 CID (2.0L) LL8 Chevrolet	1987-1989	20
				Cavalier	134 CID (2.2L) LM3 Chevrolet	1990-1991	20
				Cavalier	134 CID (2.2L) OHV Chevrolet	1992-2002	26
				Cavalier	134 CID (2.2L) LN2/KL6 Chevrolet	2000-2002	25
				Cavalier	134 CID (2.2L) L61 DOHC Ecotec General Motors	2002-2005	24



GENERAL MOTORS CORP. (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Cavalier	134 CID (2.2L) L42 DOHC Ecotec General Motors	2003	24	Chevy II	327 CID (5.4L) Chevrolet	1962-1968	86
Cavalier	138 CID (2.3L) DOHC Oldsmobile	1995	29	Chevy II	350 CID (5.7L) Carbureted Chevrolet	1968	73
Cavalier	146 CID (2.4L) LD9 DOHC Oldsmobile	1996-2002	31	Chevy II	396 CID (6.6L) Chevrolet	1968	97
Cavalier	173 CID (2.8L) Chevrolet	1985-1989	40	Cheyenne	325 CID (5.3L) Vortec 5300 Chevrolet	2006	79
Cavalier	189 CID (3.1L) Chevrolet	1990-1994	41	Chieftain	287 CID (4.7L) Pontiac	1955	78
Celebrity	151 CID (2.5L) Carbureted Pontiac	1982-1983	32	Chieftain	317 CID (5.2L) General Motors	1956	78
Celebrity	151 CID (2.5L) Fuel Injected Pontiac	1982-1990	33	Chieftain	347 CID (5.7L) General Motors	1957	78
Celebrity	173 CID (2.8L) Chevrolet	1982-1989	40	Chieftain	370 CID (6.1L) Pontiac	1958	78
Celebrity	189 CID (3.1L) Chevrolet	1990	41	Cimarron	112 CID (1.8L) L46 Chevrolet	1982	16
Celebrity	260 CID (4.3L) Oldsmobile Diesel	1982-1985	60	Cimarron	121 CID (2.0L) LQ5 Chevrolet	1983-1986	21
Centurion	350 CID (5.7L) Buick	1971	91	Cimarron	121 CID (2.0L) LR9 Chevrolet	1983-1984	21
Centurion	455 CID (7.5L) Buick	1971-1973	104	Cimarron	173 CID (2.8L) Chevrolet	1985-1988	40
Century	134 CID (2.2L) OHV Chevrolet	1993-1996	26	Citation	151 CID (2.5L) Carbureted Pontiac	1980-1982	32
Century	151 CID (2.5L) Carbureted Pontiac	1982-1983	32	Citation	151 CID (2.5L) Fuel Injected Pontiac	1982	33
Century	151 CID (2.5L) Fuel Injected Pontiac	1982-1992	33	Citation	173 CID (2.8L) Chevrolet	1980-1983	40
Century	173 CID (2.8L) Chevrolet	1982-1989	40	Citation 2	151 CID (2.5L) Fuel Injected Pontiac	1984-1985	33
Century	181 CID (3.0L) Buick	1982-1985	42	Citation 2	173 CID (2.8L) Chevrolet	1984-1985	40
Century	189 CID (3.1L) Chevrolet	1994-2005	41	Classic	134 CID (2.2L) L61 DOHC Ecotec General Motors	2004-2005	24
Century	196 CID (3.2L) LC9 Buick	1978-1979	44	Cobalt	134 CID (2.2L) L61 DOHC Ecotec General Motors	2005-2008	24
Century	204 CID (3.3L) LG7 Buick	1989-1993	47	Colorado	169 CID (2.8L) LK5 Vortec 2800 DOHC 16 Valve Chevrolet	2004-2006	35
Century	231 CID (3.8L) Carbureted Buick	1975-1981	54	Colorado	211 CID (3.5L) L52 Vortec 3500 DOHC 20 Valve Chevrolet	2004-2006	38
Century	231 CID (3.8L) Turbo Buick	1978-1981	42	Commercial Chassis	249 CID (4.1L) Cadillac	1985-1987	70
Century	231 CID (3.8L) Fuel Injected Buick	1984-1988	55	Commercial Chassis	252 CID (4.1L) LC4 Buick	1981	44
Century	252 CID (4.1L) LC4 Buick	1984	44	Commercial Chassis	273 CID (4.5L) Cadillac	1988-1989	70
Century	260 CID (4.3L) Oldsmobile Diesel	1982-1985	60	Commercial Chassis	300 CID (4.9L) L26 Cadillac	1991-1993	70
Century	265 CID (4.3L) LS5 Pontiac	1980-1981	76	Commercial Chassis	368 CID (6.0L) Cadillac	1980-1984	98
Century	267 CID (4.4L) L39 Chevrolet	1981	73	Commercial Chassis	425 CID (7.0L) Cadillac	1977-1979	98
Century	301 CID (4.9L) Pontiac	1978-1981	76	Commercial Chassis	500 CID (8.2L) Cadillac	1976	98
Century	305 CID (5.0L) Chevrolet	1977-1981	73	Corsica	121 CID (2.0L) LL8 Chevrolet	1987-1989	20
Century	322 CID (5.3L) Buick	1954-1956	74	Corsica	134 CID (2.2L) LM3 Chevrolet	1990-1991	20
Century	350 CID (5.7L) Oldsmobile	1977-1979	72	Corsica	134 CID (2.2L) OHV Chevrolet	1992-1996	26
Century	350 CID (5.7L) Carbureted Chevrolet	1977-1979	73	Corsica	173 CID (2.8L) Chevrolet	1987-1989	40
Century	350 CID (5.7L) Buick	1973-1977	91	Corsica	189 CID (3.1L) Chevrolet	1990-1996	41
Century	364 CID (6.0L) Buick	1957-1958	93	Corvair	140 CID (2.3L) Chevrolet Corvair	1960-1961	39
Century	403 CID (6.6L) L80 Oldsmobile	1977-1979	92	Corvair	145 CID (2.4L) Chevrolet Corvair	1961-1963	39
Century	455 CID (7.5L) Buick	1973-1974	104	Corvair	145 CID (2.4L) Chevrolet Corvair	1962-1963	39
Chevelle	194 CID (3.2L) Chevrolet	1964-1966	43	Corvair	164 CID (2.7L) Chevrolet Corvair	1963-1969	39
Chevelle	230 CID (3.8L) Chevrolet	1964-1969	43	Corvair	164 CID (2.7L) Chevrolet Corvair	1963-1966	39
Chevelle	250 CID (4.1L) Chevrolet	1967-1977	58	Corvette	235 CID (3.9L) Corvette Chevrolet	1953-1955	57
Chevelle	283 CID (4.6L) Chevrolet	1964-1967	77	Corvette	265 CID (4.3L) Chevrolet	1955-1956	75
Chevelle	305 CID (5.0L) Chevrolet	1976	73	Corvette	283 CID (4.6L) Chevrolet	1957-1961	77
Chevelle	307 CID (5.0L) Chevrolet	1968-1973	73	Corvette	305 CID (5.0L) Chevrolet	1979-1981	73
Chevelle	327 CID (5.4L) Chevrolet	1964-1968	86	Corvette	327 CID (5.4L) Chevrolet	1962-1968	86
Chevelle	350 CID (5.7L) Carbureted Chevrolet	1969-1977	73	Corvette	346 CID (5.7L) LS1 Chevrolet	1997-2004	79
Chevelle	396 CID (6.6L) Chevrolet	1965-1970	97	Corvette	346 CID (5.7L) LS6 Chevrolet	2001-2004	79
Chevelle	400 CID (6.6L) Chevrolet	1974-1976	105	Corvette	350 CID (5.7L) Carbureted Chevrolet	1969-1980	73
Chevelle	402 CID (6.6L) Chevrolet	1970-1972	108	Corvette	350 CID (5.7L) Fuel Injected Chevrolet	1982-1996	73
Chevelle	454 CID (7.4L) Chevrolet	1970-1975	108	Corvette	365 CID (6.0L) 6000 LS2 Chevrolet	2005-2007	95
Chevette	85 CID (1.4L) LX3 Chevrolet	1976-1977	4	Corvette	396 CID (6.6L) Chevrolet	1965	97
Chevette	98 CID (1.6L) Chevrolet	1976-1987	4	Corvette	427 CID (7.0L) Chevrolet	1966-1969	97
Chevette	111 CID (1.8L) LJ5 SOHC Isuzu Diesel	1981-1986	15	Corvette	454 CID (7.4L) Chevrolet	1970-1974	108
Chevy II	153 CID (2.5L) Chevrolet	1962-1968	34	Coupe DeVille	249 CID (4.1L) Cadillac	1982-1984	70
Chevy II	194 CID (3.2L) Chevrolet	1962-1966	43	Coupe DeVille	252 CID (4.1L) LC4 Buick	1980-1983	44
Chevy II	230 CID (3.8L) Chevrolet	1964-1968	43	Coupe DeVille	331 CID (5.4L) OHV Cadillac	1951-1955	88
Chevy II	250 CID (4.1L) Chevrolet	1967-1968	58	Coupe DeVille	350 CID (5.7L) Oldsmobile Diesel	1978-1984	71
Chevy II	283 CID (4.6L) Chevrolet	1962-1966	77	Coupe DeVille	365 CID (6.0L) Cadillac	1956-1958	94
Chevy II	307 CID (5.0L) Chevrolet	1968	73				



GENERAL MOTORS CORP. (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Coupe DeVille	368 CID (6.0L) Cadillac	1980-1981	98	Cutlass Supreme	305 CID (5.0L) Chevrolet	1978-1980	73
Coupe DeVille	390 CID (6.4L) Cadillac	1959-1963	103	Cutlass Supreme	307 CID (5.0L) Oldsmobile	1982-1988	83
Coupe DeVille	425 CID (7.0L) Cadillac	1977-1979	98	Cutlass Supreme	330 CID (5.4L) OHV Oldsmobile	1964-1967	87
Coupe DeVille	429 CID (7.0L) Cadillac	1964-1967	111	Cutlass Supreme	350 CID (5.7L) Oldsmobile	1968-1977	72
Coupe DeVille	472 CID (7.7L) Cadillac	1968-1974	98	Cutlass Supreme	350 CID (5.7L) Oldsmobile	1980-1985	71
Coupe DeVille	500 CID (8.2L) Cadillac	1975-1976	98		Diesel		
Custom Cruiser	305 CID (5.0L) Chevrolet	1991-1992	73	Cutlass Supreme	400 CID (6.6L) Oldsmobile	1967	106
Custom Cruiser	307 CID (5.0L) Oldsmobile	1980-1990	83	Cutlass Supreme	400 CID (6.6L) Oldsmobile	1968	106
Custom Cruiser	350 CID (5.7L) Oldsmobile	1977-1980	72	Cutlass Supreme	403 CID (6.6L) L80 Oldsmobile	1977	92
Custom Cruiser	350 CID (5.7L) Carbureted Chevrolet	1977	73	Cutlass Supreme	455 CID (7.5L) Oldsmobile	1970-1976	106
				D3500	351 CID (5.8L) D351 General Motors Diesel	1964-1966	65
Custom Cruiser	350 CID (5.7L) Oldsmobile Diesel	1978-1985	71	DA4000	478 CID (7.8L) General Motors Diesel	1964-1966	65
Custom Cruiser	350 CID (5.7L) Fuel Injected Chevrolet	1992	73	DAH5000	478 CID (7.8L) General Motors Diesel	1964-1965	65
Custom Cruiser	403 CID (6.6L) L80 Oldsmobile	1977-1979	92	DAV5000	478 CID (7.8L) General Motors Diesel	1964-1965	65
Custom Cruiser	455 CID (7.5L) Oldsmobile	1971-1976	106				
Custom Star Chief	389 CID (6.4L) Pontiac	1959	102	DBA4000	478 CID (7.8L) General Motors Diesel	1964-1965	65
Cutlass	189 CID (3.1L) Chevrolet	1997-1999	41	DBAH5000	478 CID (7.8L) General Motors Diesel	1964-1965	65
Cutlass	231 CID (3.8L) Carbureted Buick	1977-1984	54				
Cutlass	250 CID (4.1L) Chevrolet	1967-1976	58	DBV4000	478 CID (7.8L) General Motors Diesel	1964-1965	65
Cutlass	260 CID (4.3L) LV8 Oldsmobile	1975-1980	72				
Cutlass	260 CID (4.3L) LF7 Oldsmobile Diesel	1979	71	DBVH5000	478 CID (7.8L) General Motors Diesel	1964-1965	65
Cutlass	260 CID (4.3L) Oldsmobile Diesel	1982-1984	60	DE9500	637 CID (10.4L) OHV General Motors	1966-1968	113
Cutlass	267 CID (4.4L) L39 Chevrolet	1981-1982	73				
Cutlass	305 CID (5.0L) Chevrolet	1978-1983	73	DJ9500	637 CID (10.4L) D637 General Motors Diesel	1966-1967	113
Cutlass	307 CID (5.0L) Oldsmobile	1980-1984	83				
Cutlass	330 CID (5.4L) OHV Oldsmobile	1967	87	DLA4000	478 CID (7.8L) General Motors Diesel	1964-1969	65
Cutlass	350 CID (5.7L) Oldsmobile	1968-1980	72				
Cutlass	350 CID (5.7L) Carbureted Chevrolet	1978-1979	73	DLAH5000	478 CID (7.8L) General Motors Diesel	1964-1965	65
Cutlass	350 CID (5.7L) Oldsmobile Diesel	1979-1984	71	DLV4000	478 CID (7.8L) General Motors Diesel	1964-1969	65
Cutlass	403 CID (6.6L) L80 Oldsmobile	1977	92	DLVH5000	478 CID (7.8L) General Motors Diesel	1964-1965	65
Cutlass	455 CID (7.5L) Oldsmobile	1970-1976	106				
Cutlass 'S'	231 CID (3.8L) Carbureted Buick	1977	54	DP	216 CID (3.5L) Chevrolet	1946	50
Cutlass 'S'	250 CID (4.1L) Chevrolet	1968-1976	58	DR	216 CID (3.5L) Chevrolet	1946	50
Cutlass 'S'	260 CID (4.3L) LV8 Oldsmobile	1975-1977	72	DS4000	478 CID (7.8L) General Motors Diesel	1965-1966	65
Cutlass 'S'	350 CID (5.7L) Oldsmobile	1968-1977	72				
Cutlass 'S'	403 CID (6.6L) L80 Oldsmobile	1977	92	DS	216 CID (3.5L) Chevrolet	1946	50
Cutlass 'S'	455 CID (7.5L) Oldsmobile	1972-1976	106	DSPA5000	478 CID (7.8L) General Motors Diesel	1964-1965	65
Cutlass Ciera	134 CID (2.2L) OHV Chevrolet	1993-1996	26				
Cutlass Ciera	151 CID (2.5L) Carbureted Pontiac	1982-1983	32	DSPV5000	478 CID (7.8L) General Motors Diesel	1964-1965	65
Cutlass Ciera	151 CID (2.5L) Fuel Injected Pontiac	1982-1992	33	DV4000	478 CID (7.8L) General Motors Diesel	1964-1966	65
Cutlass Ciera	173 CID (2.8L) Chevrolet	1982-1989	40	DWA5000	478 CID (7.8L) General Motors Diesel	1964-1965	65
Cutlass Ciera	181 CID (3.0L) Buick	1982-1985	42				
Cutlass Ciera	189 CID (3.1L) Chevrolet	1994-1996	41	DWV5000	478 CID (7.8L) General Motors Diesel	1964-1965	65
Cutlass Ciera	204 CID (3.3L) LG7 Buick	1989-1993	47				
Cutlass Ciera	231 CID (3.8L) Fuel Injected Buick	1984-1988	55	DeVille	249 CID (4.1L) Cadillac	1985-1987	70
				DeVille	260 CID (4.3L) Oldsmobile Diesel	1985	60
Cutlass Ciera	260 CID (4.3L) Oldsmobile Diesel	1982-1985	60				
				DeVille	273 CID (4.5L) Cadillac	1988-1989	70
Cutlass Supreme	138 CID (2.3L) DOHC Oldsmobile	1990-1991	29	DeVille	281 CID (4.6L) DOHC (Northstar) Cadillac	1994-2005	69
Cutlass Supreme	173 CID (2.8L) Chevrolet	1988-1989	40	DeVille	300 CID (4.9L) L26 Cadillac	1991-1995	70
Cutlass Supreme	189 CID (3.1L) Chevrolet	1989-1997	41	Del Ray	235 CID (3.9L) Chevrolet	1958	57
Cutlass Supreme	207 CID (3.4L) LQ1 DOHC Chevrolet	1991-1995	48	Del Ray	283 CID (4.6L) Chevrolet	1958	77
				Del Ray	348 CID (5.7L) Chevrolet	1958	90
Cutlass Supreme	231 CID (3.8L) Carbureted Buick	1977-1987	54	Delmont 88 '425'	425 CID (7.0L) Oldsmobile	1967	106
Cutlass Supreme	250 CID (4.1L) Chevrolet	1975	58	Delmont Eighty-Eight	350 CID (5.7L) Oldsmobile	1968	72
Cutlass Supreme	260 CID (4.3L) LV8 Oldsmobile	1976-1981	72	Delmont Eighty-Eight	455 CID (7.5L) Oldsmobile	1968	106
Cutlass Supreme	260 CID (4.3L) LF7 Oldsmobile Diesel	1979	71	Delmont Eighty-Eight '330'	330 CID (5.4L) OHV Oldsmobile	1967	87
Cutlass Supreme	260 CID (4.3L) Oldsmobile Diesel	1982-1985	60	Delta 88	231 CID (3.8L) Carbureted Buick	1977-1983	54
				Delta 88	260 CID (4.3L) LV8 Oldsmobile	1977-1979	72
Cutlass Supreme	267 CID (4.4L) L39 Chevrolet	1981-1982	73				



GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Delta 88	265 CID (4.3L) LS5 Pontiac	1980	76	El Camino	262 CID (4.3L) Chevrolet	1985-1987	62
Delta 88	267 CID (4.4L) L39 Chevrolet	1981-1982	73	El Camino	267 CID (4.4L) L39 Chevrolet	1979-1982	73
Delta 88	301 CID (4.9L) Pontiac	1979	76	El Camino	283 CID (4.6L) Chevrolet	1959-1967	77
Delta 88	307 CID (5.0L) Oldsmobile	1980-1983	83	El Camino	305 CID (5.0L) Chevrolet	1976-1987	73
Delta 88	350 CID (5.7L) Oldsmobile	1969-1979	72	El Camino	307 CID (5.0L) Chevrolet	1968-1973	73
Delta 88	350 CID (5.7L) Carbureted Chevrolet	1977	73	El Camino	327 CID (5.4L) Chevrolet	1965-1968	86
Delta 88	350 CID (5.7L) L65 Oldsmobile	1977	92	El Camino	350 CID (5.7L) Carbureted Chevrolet	1969-1981	73
Delta 88	350 CID (5.7L) Oldsmobile Diesel	1978-1983	71	El Camino	350 CID (5.7L) Oldsmobile Diesel	1982-1984	71
Delta 88	403 CID (6.6L) L80 Oldsmobile	1977-1978	92	El Camino	396 CID (6.6L) Chevrolet	1965-1970	97
Delta 88	425 CID (7.0L) Oldsmobile	1965-1967	106	El Camino	400 CID (6.6L) Chevrolet	1974-1976	105
Delta 88	455 CID (7.5L) Oldsmobile	1968-1976	106	El Camino	402 CID (6.6L) Chevrolet	1970-1972	108
Delta 88 Royale	181 CID (3.0L) Buick	1986	42	El Camino	454 CID (7.4L) Chevrolet	1970-1975	108
Delta 88 Royale	231 CID (3.8L) Carbureted Buick	1977-1985	54	Eldorado	249 CID (4.1L) Cadillac	1982-1987	70
Delta 88 Royale	231 CID (3.8L) Fuel Injected Buick	1986-1988	55	Eldorado	252 CID (4.1L) LC4 Buick	1981-1983	44
Delta 88 Royale	260 CID (4.3L) LV8 Oldsmobile	1977-1979	72	Eldorado	273 CID (4.5L) Cadillac	1988-1989	70
Delta 88 Royale	265 CID (4.3L) LS5 Pontiac	1980	76	Eldorado	281 CID (4.6L) DOHC (Northstar) Cadillac	1993-2002	69
Delta 88 Royale	267 CID (4.4L) L39 Chevrolet	1981-1982	73	Eldorado	300 CID (4.9L) L26 Cadillac	1991-1993	70
Delta 88 Royale	301 CID (4.9L) Pontiac	1979	76	Eldorado	305 CID (5.0L) Chevrolet	1984	73
Delta 88 Royale	307 CID (5.0L) Oldsmobile	1980-1985	83	Eldorado	350 CID (5.7L) Oldsmobile	1979	72
Delta 88 Royale	350 CID (5.7L) Oldsmobile	1970-1980	72	Eldorado	350 CID (5.7L) Oldsmobile Diesel	1979-1985	71
Delta 88 Royale	350 CID (5.7L) Carbureted Chevrolet	1977	73	Eldorado	368 CID (6.0L) Cadillac	1980-1981	98
Delta 88 Royale	350 CID (5.7L) L65 Oldsmobile	1977	92	Eldorado	425 CID (7.0L) Cadillac	1977-1978	98
Delta 88 Royale	350 CID (5.7L) Oldsmobile Diesel	1978-1985	71	Eldorado	429 CID (7.0L) Cadillac	1967	111
Delta 88 Royale	403 CID (6.6L) L80 Oldsmobile	1977-1978	92	Eldorado	472 CID (7.7L) Cadillac	1968-1969	98
Delta 88 Royale	455 CID (7.5L) Oldsmobile	1969-1976	106	Eldorado	500 CID (8.2L) Cadillac	1970-1976	98
Deluxe	216 CID (3.5L) Chevrolet	1949-1952	50	Eldorado Special	331 CID (5.4L) OHV Cadillac	1953-1954	88
Deluxe	235 CID (3.9L) Chevrolet	1950-1952	57	Eldorado Special	365 CID (6.0L) Cadillac	1956-1957	94
Deluxe 210	235 CID (3.9L) Chevrolet	1953-1957	57	Eldorado Special	390 CID (6.4L) Cadillac	1959-1963	103
Deluxe 210	265 CID (4.3L) Chevrolet	1955-1957	75	Eldorado Special	429 CID (7.0L) Cadillac	1964	111
Deluxe 210	283 CID (4.6L) Chevrolet	1957	77	Electra	181 CID (3.0L) Buick	1982-1985	42
Dynamic 88	371 CID (6.1L) Oldsmobile	1958-1960	100	Electra	231 CID (3.8L) Carbureted Buick	1979	54
Dynamic 88	394 CID (6.5L) Oldsmobile	1961-1964	100	Electra	231 CID (3.8L) Fuel Injected Buick	1985-1990	55
Dynamic 88	425 CID (7.0L) Oldsmobile	1965-1966	106	Electra	252 CID (4.1L) LC4 Buick	1980-1984	44
EC470	270 CID (4.4L) OHV General Motors	1947-1950	52	Electra	260 CID (4.3L) Oldsmobile Diesel	1985	60
EF470	270 CID (4.4L) OHV General Motors	1947-1950	52	Electra	307 CID (5.0L) Oldsmobile	1980-1984	83
EG4600	351 CID (5.8L) D351 General Motors Diesel	1967	65	Electra	350 CID (5.7L) Oldsmobile	1977-1980	72
EG4700	351 CID (5.8L) D351 General Motors Diesel	1967	65	Electra	350 CID (5.7L) Buick	1976-1980	91
EG5500	478 CID (7.8L) General Motors Diesel	1967-1969	65	Electra	350 CID (5.7L) Oldsmobile Diesel	1980-1984	71
EG6500	478 CID (7.8L) General Motors Diesel	1967-1969	65	Electra	400 CID (6.6L) Pontiac	1978	85
EM4500	305 CID (5.0L) General Motors	1967-1969	65	Electra	401 CID (6.6L) Buick	1959-1961	107
EM5500	305 CID (5.0L) General Motors	1967-1969	65	Electra	403 CID (6.6L) L80 Oldsmobile	1977-1979	92
EM5500	351 CID (5.8L) General Motors	1967-1969	65	Electra	455 CID (7.5L) Buick	1976	104
EM6500	305 CID (5.0L) General Motors	1967-1969	65	Electra 225	401 CID (6.6L) Buick	1959-1964	107
EM6500	351 CID (5.8L) General Motors	1967-1969	65	Electra 225	425 CID (7.0L) Buick	1965	107
ES4500	292 CID (4.8L) Chevrolet	1967-1969	64	Electra 225	430 CID (7.0L) Buick	1967-1969	104
ES5500	292 CID (4.8L) Chevrolet	1967-1969	64	Electra 225	455 CID (7.5L) Buick	1970-1976	104
ES6500	292 CID (4.8L) Chevrolet	1967-1968	64	Electra Estate Wagon	301 CID (4.9L) Pontiac	1980	76
Eighty Eight	303 CID (5.0L) Rocket V8 Oldsmobile	1949-1953	82	Electra Estate Wagon	307 CID (5.0L) Oldsmobile	1981-1989	83
Eighty Eight	324 CID (5.3L) Rocket V8 Oldsmobile	1954-1956	82	Electra Estate Wagon	350 CID (5.7L) Oldsmobile	1980	72
El Camino	194 CID (3.2L) Chevrolet	1964-1966	43	Electra Estate Wagon	350 CID (5.7L) Buick	1980	91
El Camino	200 CID (3.3L) L26 Chevrolet	1978-1979	46	Electra Estate Wagon	350 CID (5.7L) Oldsmobile Diesel	1980-1985	71
El Camino	229 CID (3.8L) LC3 Chevrolet	1980-1984	46	Envoy	254 CID (4.2L) LL8 Vortec 4200 DOHC 24 Valve Chevrolet	2002-2008	59
El Camino	230 CID (3.8L) Chevrolet	1964-1969	43	Envoy	262 CID (4.3L) Vortec 4300 Chevrolet	1998-2001	63
El Camino	231 CID (3.8L) Carbureted Buick	1978-1984	54	Envoy	325 CID (5.3L) Vortec 5300 Chevrolet	2004	79
El Camino	235 CID (3.9L) Chevrolet	1959-1960	57	Envoy XL	254 CID (4.2L) LL8 Vortec 4200 DOHC 24 Valve Chevrolet	2003-2006	59
El Camino	250 CID (4.1L) Chevrolet	1968-1977	58	Envoy XL	325 CID (5.3L) Vortec 5300 Chevrolet	2003-2004	79



GENERAL MOTORS CORP. (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Envoy XUV	254 CID (4.2L) LL8 Vortec 4200 DOHC 24 Valve Chevrolet	2004-2005	59	Express 3500	365 CID (6.0L) Vortec 6000 LQ4 (KL6) Chevrolet	2003-2007	96
Escalade	325 CID (5.3L) Vortec 5300 Chevrolet	2002-2005	79	Express 3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-2002	101
Escalade	350 CID (5.7L) Fuel Injected Chevrolet	1999-2000	73	Express 3500	454 CID (7.4L) Chevrolet	1996-2000	108
Escalade	365 CID (6.0L) Vortec 6000 Chevrolet	2002-2006	96	Express 3500	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2002	112
Escalade ESV	365 CID (6.0L) Vortec 6000 Chevrolet	2003-2006	96	Express 3500 EXT	350 CID (5.7L) Fuel Injected Chevrolet	1996-2002	73
Escalade EXT	365 CID (6.0L) Vortec 6000 Chevrolet	2002-2006	96	Express 3500 EXT	365 CID (6.0L) Vortec 6000 Chevrolet	2003-2007	96
Estate Wagon	350 CID (5.7L) Oldsmobile	1977-1979	72	Express 3500 EXT	365 CID (6.0L) Vortec 6000 LQ4 (KL5) Chevrolet	2003-2007	96
Estate Wagon	350 CID (5.7L) Buick	1977-1979	91	Express 3500 EXT	365 CID (6.0L) Vortec 6000 LQ4 (KL6) Chevrolet	2003-2007	96
Estate Wagon	403 CID (6.6L) L80 Oldsmobile	1977-1979	92	Express 3500 EXT	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-2002	101
Estate Wagon	455 CID (7.5L) Buick	1970-1976	104	Express 3500 EXT	454 CID (7.4L) Chevrolet	1996-2000	108
Executive	350 CID (5.7L) Pontiac	1970	85	F350	270 CID (4.4L) OHV General Motors	1956-1959	52
Executive	400 CID (6.6L) Pontiac	1967-1970	85	F350-8	287 CID (4.7L) Pontiac	1955	78
Executive	428 CID (7.0L) Pontiac	1967-1969	110	F350-8	336 CID (5.5L) General Motors	1958-1959	78
Executive	455 CID (7.5L) Pontiac	1970	110	F350-8	347 CID (5.7L) General Motors	1957	78
Express 1500	262 CID (4.3L) Vortec 4300 Chevrolet	1996-2007	63	F350-24	248 CID (4.1L) General Motors	1954-1955	52
Express 1500	305 CID (5.0L) Chevrolet	1996-2002	73	F350-27	270 CID (4.4L) OHV General Motors	1951-1955	52
Express 1500	325 CID (5.3L) Vortec 5300 Chevrolet	2003-2007	79	F370	270 CID (4.4L) OHV General Motors	1956-1959	52
Express 1500	325 CID (5.3L) Vortec 5300 L59 Chevrolet	2007	79	F370	336 CID (5.5L) General Motors	1958-1959	78
Express 1500	350 CID (5.7L) Fuel Injected Chevrolet	1996-2002	73	F370-8	287 CID (4.7L) Pontiac	1955	78
Express 2500	262 CID (4.3L) Vortec 4300 Chevrolet	1996-2002	63	F370-8	336 CID (5.5L) General Motors	1958-1959	78
Express 2500	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2003-2007	79	F410-8	287 CID (4.7L) Pontiac	1955	78
Express 2500	305 CID (5.0L) Chevrolet	1996-2002	73	F410V	270 CID (4.4L) OHV General Motors	1955	52
Express 2500	325 CID (5.3L) Vortec 5300 Chevrolet	2003-2007	79	F450	302 CID (5.0L) OHV General Motors	1955-1959	52
Express 2500	350 CID (5.7L) Fuel Injected Chevrolet	1996-2002	73	F450	336 CID (5.5L) General Motors	1958-1959	78
Express 2500	365 CID (6.0L) Vortec 6000 Chevrolet	2003-2007	96	F450-30	302 CID (5.0L) OHV General Motors	1952-1954	52
Express 2500	365 CID (6.0L) Vortec 6000 LQ4 (KL5) Chevrolet	2003-2007	96	F470-30	302 CID (5.0L) OHV General Motors	1952-1954	52
Express 2500	365 CID (6.0L) Vortec 6000 LQ4 (KL6) Chevrolet	2003-2007	96	F500	302 CID (5.0L) OHV General Motors	1955	52
Express 2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-2002	101	F550	324 CID (5.3L) OHV General Motors	1955-1956	84
Express 2500 EXT	262 CID (4.3L) Vortec 4300 Chevrolet	1996-2005	63	F550	370 CID (6.1L) General Motors	1957-1959	99
Express 2500 EXT	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2003-2007	79	F600	324 CID (5.3L) OHV General Motors	1956	84
Express 2500 EXT	305 CID (5.0L) Chevrolet	1996-2002	73	F600	370 CID (6.1L) General Motors	1957-1959	99
Express 2500 EXT	325 CID (5.3L) Vortec 5300 Chevrolet	2003-2005	79	F650	324 CID (5.3L) OHV General Motors	1955	84
Express 2500 EXT	350 CID (5.7L) Fuel Injected Chevrolet	1996-2002	73	F-85	225 CID (3.7L) Buick	1964-1965	51
Express 2500 EXT	365 CID (6.0L) Vortec 6000 Chevrolet	2003-2007	96	F-85	250 CID (4.1L) Chevrolet	1966-1970	58
Express 2500 EXT	365 CID (6.0L) Vortec 6000 LQ4 (KL5) Chevrolet	2003-2007	96	F-85	330 CID (5.4L) OHV Oldsmobile	1964-1967	87
Express 2500 EXT	365 CID (6.0L) Vortec 6000 LQ4 (KL6) Chevrolet	2003-2007	96	F-85	350 CID (5.7L) Oldsmobile	1968-1972	72
Express 2500 EXT	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-2002	101	F-85	400 CID (6.6L) Oldsmobile	1965-1966	106
Express 3500	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2005-2007	79	FC300	248 CID (4.1L) General Motors	1947-1950	52
Express 3500	350 CID (5.7L) Fuel Injected Chevrolet	1996-2002	73	FC350	248 CID (4.1L) General Motors	1947-1950	52
Express 3500	365 CID (6.0L) Vortec 6000 Chevrolet	2003-2007	96	FC350	270 CID (4.4L) OHV General Motors	1948-1950	52
Express 3500	365 CID (6.0L) Vortec 6000 LQ4 (KL5) Chevrolet	2003-2007	96	FC450	270 CID (4.4L) OHV General Motors	1947-1950	52
				FCS300	248 CID (4.1L) General Motors	1947-1950	52
				FCS450	270 CID (4.4L) OHV General Motors	1947-1950	52
				FE9500	637 CID (10.4L) OHV General Motors	1966-1967	113
				FF350	248 CID (4.1L) General Motors	1939-1953	52
				FF350	270 CID (4.4L) OHV General Motors	1948-1950	52



GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
FF450	270 CID (4.4L) OHV General Motors	1947-1950	52	Fleetwood	425 CID (7.0L) Cadillac	1977-1979	98
FJ9500	637 CID (10.4L) D637 General Motors Diesel	1966-1969	113	Fleetwood	429 CID (7.0L) Cadillac	1965-1966	111
FM550	324 CID (5.3L) OHV General Motors	1955	84	Fleetwood	500 CID (8.2L) Cadillac	1976	98
FM650	324 CID (5.3L) OHV General Motors	1955	84	Fleetwood 75	331 CID (5.4L) OHV Cadillac	1949-1955	88
FMW550	370 CID (6.1L) General Motors	1957-1959	99	Fleetwood 75	365 CID (6.0L) Cadillac	1956-1958	94
FW550	370 CID (6.1L) General Motors	1957-1959	99	Fleetwood 75	368 CID (6.0L) Cadillac	1980-1981	98
Fiero	151 CID (2.5L) Fuel Injected Pontiac	1984-1988	33	Fleetwood 75	390 CID (6.4L) Cadillac	1959-1963	103
Fiero	173 CID (2.8L) Chevrolet	1985-1988	40	Fleetwood 75	425 CID (7.0L) Cadillac	1977-1979	98
Firebird	151 CID (2.5L) Carbureted Pontiac	1982-1983	32	Fleetwood 75	429 CID (7.0L) Cadillac	1964-1967	111
Firebird	151 CID (2.5L) Fuel Injected Pontiac	1982-1986	33	Fleetwood 75	472 CID (7.7L) Cadillac	1968-1974	98
Firebird	173 CID (2.8L) Chevrolet	1982-1989	40	Fleetwood 75	500 CID (8.2L) Cadillac	1975-1976	98
Firebird	189 CID (3.1L) Chevrolet	1990-1992	41	Fleetwood Special	331 CID (5.4L) OHV Cadillac	1949-1955	88
Firebird	207 CID (3.4L) L32 Chevrolet	1993-1995	41	Fleetwood Special	365 CID (6.0L) Cadillac	1956-1958	94
Firebird	230 CID (3.8L) OHC Pontiac	1967	53	Fleetwood Special	390 CID (6.4L) Cadillac	1959-1963	103
Firebird	231 CID (3.8L) Carbureted Buick	1977-1981	54	Fleetwood Special	429 CID (7.0L) Cadillac	1964-1967	111
Firebird	231 CID (3.8L) Turbo Buick	1988-1989	42	Fleetwood Special	472 CID (7.7L) Cadillac	1968-1974	98
Firebird	231 CID (3.8L) Fuel Injected Buick	1995-2002	55	Fleetwood Special	500 CID (8.2L) Cadillac	1975	98
Firebird	250 CID (4.1L) Chevrolet	1970-1976	58	G10	153 CID (2.5L) Chevrolet	1964-1965	34
Firebird	250 CID (4.1L) OHC Pontiac	1968-1969	53	G10	194 CID (3.2L) Chevrolet	1964-1966	43
Firebird	265 CID (4.3L) LS5 Pontiac	1980-1981	76	G10	230 CID (3.8L) Chevrolet	1964-1969	43
Firebird	267 CID (4.4L) L39 Chevrolet	1981	73	G10	250 CID (4.1L) Chevrolet	1966-1984	58
Firebird	301 CID (4.9L) Pontiac	1977-1981	76	G10	262 CID (4.3L) Chevrolet	1985-1995	62
Firebird	301 CID (4.9L) Pontiac	1980-1981	76	G10	283 CID (4.6L) Chevrolet	1964-1967	77
Firebird	305 CID (5.0L) Chevrolet	1977-1993	73	G10	305 CID (5.0L) Chevrolet	1977-1995	73
Firebird	326 CID (5.3L) Pontiac	1967	85	G10	307 CID (5.0L) Chevrolet	1968-1972	73
Firebird	346 CID (5.7L) LS1 Chevrolet	1998-2002	79	G10	350 CID (5.7L) Carbureted Chevrolet	1969-1986	73
Firebird	350 CID (5.7L) Oldsmobile	1977	72	G10	350 CID (5.7L) Fuel Injected Chevrolet	1987-1995	73
Firebird	350 CID (5.7L) Carbureted Chevrolet	1978-1979	73	G20	230 CID (3.8L) Chevrolet	1967-1969	43
Firebird	350 CID (5.7L) Pontiac	1968-1977	85	G20	250 CID (4.1L) Chevrolet	1967-1984	58
Firebird	350 CID (5.7L) Fuel Injected Chevrolet	1987-1997	73	G20	262 CID (4.3L) Chevrolet	1985-1995	62
Firebird	400 CID (6.6L) Pontiac	1967-1979	85	G20	283 CID (4.6L) Chevrolet	1967	77
Firebird	403 CID (6.6L) L80 Oldsmobile	1977-1979	92	G20	292 CID (4.8L) Chevrolet	1975-1978	64
Firebird	455 CID (7.5L) Pontiac	1971-1975	110	G20	305 CID (5.0L) Chevrolet	1977-1995	73
Firefly	61 CID (1.0L) LY9 Suzuki	1985-1988	1	G20	307 CID (5.0L) Chevrolet	1968-1972	73
Firefly	61 CID (1.0L) LS3 Turbo Suzuki	1987-1991	1	G20	350 CID (5.7L) Carbureted Chevrolet	1969-1988	73
Firefly	61 CID (1.0L) LP2 Suzuki	1989-1991	1	G20	350 CID (5.7L) Fuel Injected Chevrolet	1987-1995	73
Firefly	79 CID (1.3L) L72 SOHC Suzuki	1995-1997	3	G20	379 CID (6.2L) Chevrolet Diesel	1983-1993	101
Firefly	79 CID (1.3L) LY8 Suzuki	1998-2000	3	G20	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1995	101
Firenza	110 CID (1.8L) LH8 OHC Pontiac	1982-1986	13	G30	400 CID (6.6L) Chevrolet	1975-1980	105
Firenza	112 CID (1.8L) L46 Chevrolet	1982	16	G30	250 CID (4.1L) Chevrolet	1971-1984	58
Firenza	121 CID (2.0L) LQ5 Chevrolet	1982-1986	21	G30	262 CID (4.3L) Chevrolet	1985-1996	62
Firenza	121 CID (2.0L) LR9 Chevrolet	1983-1984	21	G30	292 CID (4.8L) Chevrolet	1973-1989	64
Firenza	121 CID (2.0L) LL8 Chevrolet	1987-1988	20	G30	305 CID (5.0L) Chevrolet	1985-1991	73
Firenza	122 CID (2.0L) OHC Pontiac	1987-1988	23	G30	350 CID (5.7L) Carbureted Chevrolet	1971-1988	73
Firenza	173 CID (2.8L) Chevrolet	1985-1987	40	G30	350 CID (5.7L) Fuel Injected Chevrolet	1987-1996	73
Fleetline	216 CID (3.5L) Chevrolet	1941	50	G30	350 CID (5.7L) Vortec 5700 L31/KL5 Chevrolet	1995-1996	73
Fleetmaster	216 CID (3.5L) Chevrolet	1942	50	G30	379 CID (6.2L) Chevrolet Diesel	1982-1993	101
Fleetwood	249 CID (4.1L) Cadillac	1982-1987	70	G30	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1996	101
Fleetwood	252 CID (4.1L) LC4 Buick	1980-1983	44	G1000	400 CID (6.6L) Chevrolet	1975-1980	105
Fleetwood	260 CID (4.3L) Oldsmobile Diesel	1985	60	G1000	454 CID (7.4L) Chevrolet	1988-1996	108
Fleetwood	273 CID (4.5L) Cadillac	1988-1989	70	G1000	153 CID (2.5L) Chevrolet	1964-1965	34
Fleetwood	300 CID (4.9L) L26 Cadillac	1991-1993	70	G1000	194 CID (3.2L) Chevrolet	1966	43
Fleetwood	307 CID (5.0L) Oldsmobile	1986	83	G1000	230 CID (3.8L) Chevrolet	1964-1966	43
Fleetwood	350 CID (5.7L) Oldsmobile Diesel	1979-1985	71	G1500	262 CID (4.3L) Vortec 4300 Chevrolet	1996-1999	63
Fleetwood	350 CID (5.7L) Fuel Injected Chevrolet	1993-1996	73	G1500	305 CID (5.0L) Chevrolet	1996-1999	73
Fleetwood	368 CID (6.0L) Cadillac	1980-1984	98	G1500	350 CID (5.7L) Fuel Injected Chevrolet	1996-1999	73
				G1500	230 CID (3.8L) Chevrolet	1967-1970	43
				G1500	250 CID (4.1L) Chevrolet	1971-1984	58



GENERAL MOTORS CORP. (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
G1500	262 CID (4.3L) Chevrolet	1985-1995	62	Grand Am	134 CID (2.2L) L61 DOHC Ecotec General Motors	2002-2004	24
G1500	262 CID (4.3L) Vortec 4300 Chevrolet	1996-1999	63	Grand Am	138 CID (2.3L) DOHC Oldsmobile	1988-1995	29
G1500	283 CID (4.6L) Chevrolet	1967	77	Grand Am	138 CID (2.3L) L40 SOHC Oldsmobile	1992-1994	30
G1500	292 CID (4.8L) Chevrolet	1970	64	Grand Am	146 CID (2.4L) LD9 DOHC Oldsmobile	1996-2001	31
G1500	305 CID (5.0L) Chevrolet	1977-1999	73	Grand Am	151 CID (2.5L) Fuel Injected Pontiac	1985-1991	33
G1500	307 CID (5.0L) Chevrolet	1968-1972	73	Grand Am	181 CID (3.0L) Buick	1985-1987	42
G1500	350 CID (5.7L) Carbureted Chevrolet	1972-1986	73	Grand Am	189 CID (3.1L) Chevrolet	1994-1998	41
G1500	350 CID (5.7L) Fuel Injected Chevrolet	1987-1999	73	Grand Am	204 CID (3.3L) LG7 Buick	1992-1993	47
G2500	262 CID (4.3L) Vortec 4300 Chevrolet	1996-1999	63	Grand Am	207 CID (3.4L) LA1 Chevrolet	1999-2005	41
G2500	305 CID (5.0L) Chevrolet	1996-1999	73	Grand Am	231 CID (3.8L) Carbureted Buick	1979	54
G2500	350 CID (5.7L) Fuel Injected Chevrolet	1996-1999	73	Grand Am	301 CID (4.9L) Pontiac	1978-1980	76
G2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-1999	101	Grand Am	305 CID (5.0L) Chevrolet	1978-1980	73
G2500	230 CID (3.8L) Chevrolet	1967-1970	43	Grand Am	400 CID (6.6L) Pontiac	1973	85
G2500	250 CID (4.1L) Chevrolet	1971-1984	58	Grand Am	455 CID (7.5L) Pontiac	1973-1974	110
G2500	262 CID (4.3L) Chevrolet	1985-1995	62	Grand Prix	138 CID (2.3L) DOHC Oldsmobile	1990-1991	29
G2500	262 CID (4.3L) Vortec 4300 Chevrolet	1996-1999	63	Grand Prix	173 CID (2.8L) Chevrolet	1988-1989	40
G2500	283 CID (4.6L) Chevrolet	1967	77	Grand Prix	189 CID (3.1L) Chevrolet	1989-2003	41
G2500	292 CID (4.8L) Chevrolet	1970-1978	64	Grand Prix	189 CID (3.1L) Chevrolet	1989-1990	41
G2500	305 CID (5.0L) Chevrolet	1978-1999	73	Grand Prix	207 CID (3.4L) LQ1 DOHC Chevrolet	1991-1996	48
G2500	307 CID (5.0L) Chevrolet	1968-1971	73	Grand Prix	231 CID (3.8L) Carbureted Buick	1978-1987	54
G2500	350 CID (5.7L) Carbureted Chevrolet	1971-1988	73	Grand Prix	231 CID (3.8L) Fuel Injected Buick	1997-2008	55
G2500	350 CID (5.7L) Fuel Injected Chevrolet	1987-1999	73	Grand Prix	231 CID (3.8L) Supercharged Buick	1997-2005	56
G2500	379 CID (6.2L) Chevrolet Diesel	1983-1993	101	Grand Prix	252 CID (4.1L) LC4 Buick	1982	44
G2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-1999	101	Grand Prix	262 CID (4.3L) Chevrolet	1986-1987	62
G2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1995	101	Grand Prix	265 CID (4.3L) LS5 Pontiac	1980-1981	76
G2500	400 CID (6.6L) Chevrolet	1975-1980	105	Grand Prix	301 CID (4.9L) Pontiac	1977-1980	76
G3500	350 CID (5.7L) Fuel Injected Chevrolet	1996-1999	73	Grand Prix	305 CID (5.0L) Chevrolet	1978-1987	73
G3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-1999	101	Grand Prix	350 CID (5.7L) Oldsmobile	1977	72
G3500	454 CID (7.4L) Chevrolet	1996-1999	108	Grand Prix	350 CID (5.7L) Pontiac	1976-1977	85
G3500	250 CID (4.1L) Chevrolet	1971-1984	58	Grand Prix	350 CID (5.7L) Oldsmobile Diesel	1981-1984	71
G3500	262 CID (4.3L) Chevrolet	1985-1996	62	Grand Prix	389 CID (6.4L) Pontiac	1962-1966	102
G3500	292 CID (4.8L) Chevrolet	1975-1978	64	Grand Prix	400 CID (6.6L) Pontiac	1967-1976	85
G3500	305 CID (5.0L) Chevrolet	1985-1991	73	Grand Prix	400 CID (6.6L) Chevrolet	1976	105
G3500	307 CID (5.0L) Chevrolet	1971	73	Grand Prix	403 CID (6.6L) L80 Oldsmobile	1977	92
G3500	350 CID (5.7L) Carbureted Chevrolet	1971-1988	73	Grand Prix	421 CID (6.9L) Pontiac	1963-1965	110
G3500	350 CID (5.7L) Fuel Injected Chevrolet	1987-1996	73	Grand Prix	428 CID (7.0L) Pontiac	1967-1969	110
G3500	350 CID (5.7L) Vortec 5700 L31/KL5 Chevrolet	1995-1996	73	Grand Prix	455 CID (7.5L) Pontiac	1970-1975	110
G3500	379 CID (6.2L) Chevrolet Diesel	1983-1993	101	Grand Ville	400 CID (6.6L) Pontiac	1975	85
G3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1996	101	Grand Ville	455 CID (7.5L) Pontiac	1971-1974	110
G3500	400 CID (6.6L) Chevrolet	1975-1979	105	H4000	305 CID (5.0L) General Motors	1966	65
G3500	454 CID (7.4L) Chevrolet	1988-1996	108	H4000	351 CID (5.8L) General Motors	1963-1966	65
GC	216 CID (3.5L) Chevrolet	1937	50	H5000	401 CID (6.6L) General Motors	1961-1965	65
GS 350	350 CID (5.7L) Buick	1968-1972	91	HC470	270 CID (4.4L) OHV General Motors	1948-1950	52
GS 400	400 CID (6.6L) Buick	1968-1969	104	HC	216 CID (3.5L) Chevrolet	1938	50
GS 455	455 CID (7.5L) Buick	1970-1972	104	HE70	427 CID (7.0L) Chevrolet	1973-1978	97
GTO	346 CID (5.7L) LS1 Chevrolet	2004	79	HE75	427 CID (7.0L) Chevrolet	1975-1978	97
GTO	365 CID (6.0L) 6000 LS2 Chevrolet	2005-2006	95	HE80	427 CID (7.0L) Chevrolet	1973-1978	97
GTO	400 CID (6.6L) Pontiac	1967-1971	85	HE90	637 CID (10.4L) OHV General Motors	1970-1972	113
GTO	455 CID (7.5L) Pontiac	1970-1971	110	HE9500	637 CID (10.4L) OHV General Motors	1966-1972	113
Golden Rocket 88	371 CID (6.1L) Oldsmobile	1957	100	HG70	478 CID (7.8L) General Motors Diesel	1966-1968	65
Grand Am	122 CID (2.0L) OHC Turbo Pontiac	1987-1989	23	HG5500	478 CID (7.8L) General Motors Diesel	1965-1967	65
				HG7500	478 CID (7.8L) General Motors Diesel	1965-1969	65
				HI4000	292 CID (4.8L) Chevrolet	1966	64



GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
HJ70	637 CID (10.4L) D637 General Motors Diesel	1966-1968	113	J2000	110 CID (1.8L) LH8 OHC Pontiac	1982-1983	13
HJ70	637 CID (10.4L) DH637 General Motors Diesel	1966-1968	113	J2000	112 CID (1.8L) L46 Chevrolet	1982	16
HJ7500	637 CID (10.4L) D637 General Motors Diesel	1966-1970	113	J2000	121 CID (2.0L) LQ5 Chevrolet	1983	21
HJ7500	637 CID (10.4L) DH637 General Motors Diesel	1971	113	J Series	552 CID (9.0L) 6V-92TA Detroit Diesel Diesel	1980-1981	67
HJ9500	637 CID (10.4L) D637 General Motors Diesel	1966-1969	113	J Series	552 CID (9.0L) 6V-92TTAC Detroit Diesel Diesel	1981	67
HM70	401 CID (6.6L) General Motors	1966-1968	65	JC	216 CID (3.5L) Chevrolet	1939	50
HM70	478 CID (7.8L) General Motors	1966-1968	65	JE70	427 CID (7.0L) Chevrolet	1973-1978	97
HM75	432 CID (7.1L) General Motors	1973-1974	66	JE75	427 CID (7.0L) Chevrolet	1975-1978	97
HM80	401 CID (6.6L) General Motors	1966-1968	65	JE80	427 CID (7.0L) Chevrolet	1973-1978	97
HM80	432 CID (7.1L) General Motors	1973-1974	66	JE90	637 CID (10.4L) OHV General Motors	1971-1972	113
HM80	478 CID (7.8L) General Motors	1967-1974	65	JE9500	637 CID (10.4L) OHV General Motors	1966-1972	113
HM5500	305 CID (5.0L) General Motors	1966-1967	65	JG70	478 CID (7.8L) General Motors Diesel	1966-1968	65
HM5500	351 CID (5.8L) General Motors	1966-1969	65	JG7500	478 CID (7.8L) General Motors Diesel	1965-1969	65
HM7500	351 CID (5.8L) General Motors	1966-1969	65	JJ70	637 CID (10.4L) D637 General Motors Diesel	1966-1968	113
HM7500	401 CID (6.6L) General Motors	1966-1972	65	JJ70	637 CID (10.4L) DH637 General Motors Diesel	1966-1968	113
HM7500	432 CID (7.1L) General Motors	1973-1974	66	JJ7500	637 CID (10.4L) D637 General Motors Diesel	1966-1970	113
HM7500	478 CID (7.8L) General Motors	1970-1974	65	JJ7500	637 CID (10.4L) DH637 General Motors Diesel	1971	113
HM8500	351 CID (5.8L) General Motors	1966-1969	65	JJ9500	637 CID (10.4L) D637 General Motors Diesel	1966-1969	113
HM8500	401 CID (6.6L) General Motors	1966-1969	65	JM70	401 CID (6.6L) General Motors	1966-1968	65
HM8500	432 CID (7.1L) General Motors	1973-1974	66	JM70	478 CID (7.8L) General Motors	1966-1968	65
HM8500	478 CID (7.8L) General Motors	1965-1969	65	JM75	432 CID (7.1L) General Motors	1973-1974	66
I4000	292 CID (4.8L) Chevrolet	1966	64	JM80	401 CID (6.6L) General Motors	1966-1968	65
I Mark	1588CC (1.6L) 4XE1W DOHC Isuzu	1989	10	JM80	432 CID (7.1L) General Motors	1973-1974	66
Impala	207 CID (3.4L) LA1 Chevrolet	2000-2005	41	JM80	478 CID (7.8L) General Motors	1967-1974	65
Impala	229 CID (3.8L) LC3 Chevrolet	1980-1984	46	JM7500	351 CID (5.8L) General Motors	1966-1969	65
Impala	230 CID (3.8L) Chevrolet	1963-1965	43	JM7500	401 CID (6.6L) General Motors	1966-1972	65
Impala	231 CID (3.8L) Carbureted Buick	1980-1985	54	JM7500	432 CID (7.1L) General Motors	1973-1974	66
Impala	231 CID (3.8L) Fuel Injected Buick	2000-2005	55	JM8500	401 CID (6.6L) General Motors	1966-1970	65
Impala	231 CID (3.8L) Supercharged Buick	2004-2005	56	JM8500	432 CID (7.1L) General Motors	1973-1974	66
Impala	235 CID (3.9L) Chevrolet	1958-1962	57	JM8500	478 CID (7.8L) General Motors	1965-1969	65
Impala	250 CID (4.1L) Chevrolet	1965-1979	58	Jetstar 1	394 CID (6.5L) Oldsmobile	1964	100
Impala	262 CID (4.3L) Chevrolet	1985	62	Jetstar 1	425 CID (7.0L) Oldsmobile	1965-1966	106
Impala	267 CID (4.4L) L39 Chevrolet	1979-1982	73	Jetstar 88	330 CID (5.4L) OHV Oldsmobile	1964-1966	87
Impala	283 CID (4.6L) Chevrolet	1958-1967	77	Jimmy	250 CID (4.1L) Chevrolet	1970-1982	58
Impala	305 CID (5.0L) Chevrolet	1977-1985	73	Jimmy	262 CID (4.3L) Chevrolet	1985-1986	62
Impala	307 CID (5.0L) Chevrolet	1968	73	Jimmy	262 CID (4.3L) Vortec 4300 Chevrolet	1995-2004	63
Impala	327 CID (5.4L) Chevrolet	1962-1968	86	Jimmy	292 CID (4.8L) Chevrolet	1985	64
Impala	348 CID (5.7L) Chevrolet	1958-1961	90	Jimmy	305 CID (5.0L) Chevrolet	1977-1986	73
Impala	350 CID (5.7L) Carbureted Chevrolet	1969-1985	73	Jimmy	307 CID (5.0L) Chevrolet	1970-1972	73
Impala	350 CID (5.7L) Oldsmobile Diesel	1978-1985	71	Jimmy	350 CID (5.7L) Carbureted Chevrolet	1970-1986	73
Impala	350 CID (5.7L) Fuel Injected Chevrolet	1994-1996	73	Jimmy	350 CID (5.7L) Oldsmobile Diesel	1978-1981	71
Impala	396 CID (6.6L) Chevrolet	1965-1968	97	Jimmy	350 CID (5.7L) Fuel Injected Chevrolet	1987-1991	73
Impala	400 CID (6.6L) Chevrolet	1970-1976	105	Jimmy	379 CID (6.2L) Chevrolet Diesel	1982-1991	101
Impala	402 CID (6.6L) Chevrolet	1970-1972	108	Jimmy	400 CID (6.6L) Chevrolet	1975-1979	105
Impala	409 CID (6.7L) Chevrolet	1961-1965	90	Jimmy	454 CID (7.4L) Chevrolet	1973-1982	108
Impala	427 CID (7.0L) Chevrolet	1966-1969	97	K10	230 CID (3.8L) Chevrolet	1963-1969	43
Impala	454 CID (7.4L) Chevrolet	1970-1975	108	K10	235 CID (3.9L) Chevrolet	1960-1962	57
Impulse	1588CC (1.6L) 4XE1W DOHC Isuzu	1990-1992	10	K10	250 CID (4.1L) Chevrolet	1966-1984	58
Impulse	1588CC (1.6L) 4XE1WT DOHC Turbo Isuzu	1991-1992	11	K10	261 CID (4.3L) Chevrolet	1962	61
Intrigue	212 CID (3.5L) LX5 Oldsmobile	1999-2002	49	K10	262 CID (4.3L) Chevrolet	1985-1986	62
Intrigue	231 CID (3.8L) Fuel Injected Buick	1998-1999	55	K10	283 CID (4.6L) Chevrolet	1960-1967	77
Invicta	401 CID (6.6L) Buick	1959-1963	107	K10	292 CID (4.8L) Chevrolet	1963-1986	64
Ion	134 CID (2.2L) L61 DOHC Ecotec General Motors	2003-2007	24	K10	305 CID (5.0L) Chevrolet	1977-1986	73
Ion Quad	134 CID (2.2L) L61 DOHC Ecotec General Motors	2003-2007	24				



GENERAL MOTORS CORP. (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
K10	307 CID (5.0L) Chevrolet	1968-1972	73	K1500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1995	101
K10	327 CID (5.4L) Chevrolet	1965-1968	86	K1500	454 CID (7.4L) Chevrolet	1988-1991	108
K10	350 CID (5.7L) Carbureted Chevrolet	1969-1986	73	K1500 Silverado Classic	305 CID (5.0L) Chevrolet	1999	73
K10	379 CID (6.2L) Chevrolet Diesel	1982-1986	101	K1500 Silverado Classic	350 CID (5.7L) Fuel Injected Chevrolet	1999	73
K10	396 CID (6.6L) Chevrolet	1968-1969	97	K1500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1992-2000	73
K10	400 CID (6.6L) Chevrolet	1975-1980	105	K1500 Suburban	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	101
K10	454 CID (7.4L) Chevrolet	1973-1982	108	K1500 Suburban	250 CID (4.1L) Chevrolet	1967-1984	58
K10 Suburban	230 CID (3.8L) Chevrolet	1963-1969	43	K1500 Suburban	262 CID (4.3L) Chevrolet	1985-1986	62
K10 Suburban	235 CID (3.9L) Chevrolet	1960-1962	57	K1500 Suburban	292 CID (4.8L) Chevrolet	1967-1971	64
K10 Suburban	250 CID (4.1L) Chevrolet	1966-1984	58	K1500 Suburban	305 CID (5.0L) General Motors	1967-1969	65
K10 Suburban	261 CID (4.3L) Chevrolet	1962	61	K1500 Suburban	305 CID (5.0L) Chevrolet	1977-1986	73
K10 Suburban	262 CID (4.3L) Chevrolet	1985-1986	62	K1500 Suburban	307 CID (5.0L) Chevrolet	1970-1972	73
K10 Suburban	283 CID (4.6L) Chevrolet	1960-1967	77	K1500 Suburban	350 CID (5.7L) Carbureted Chevrolet	1970-1986	73
K10 Suburban	292 CID (4.8L) Chevrolet	1963-1986	64	K1500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1992-1999	73
K10 Suburban	305 CID (5.0L) Chevrolet	1977-1986	73	K1500 Suburban	379 CID (6.2L) Chevrolet Diesel	1982-1986	101
K10 Suburban	307 CID (5.0L) Chevrolet	1968-1972	73	K1500 Suburban	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	101
K10 Suburban	327 CID (5.4L) Chevrolet	1965-1968	86	K1500 Suburban	396 CID (6.6L) Chevrolet	1968-1970	97
K10 Suburban	350 CID (5.7L) Carbureted Chevrolet	1967-1986	73	K1500 Suburban	400 CID (6.6L) Chevrolet	1975-1979	105
K10 Suburban	379 CID (6.2L) Chevrolet Diesel	1982-1986	101	K1500 Suburban	454 CID (7.4L) Chevrolet	1975-1980	108
K10 Suburban	396 CID (6.6L) Chevrolet	1968-1969	97	K1500	250 CID (4.1L) Chevrolet	1967-1984	58
K10 Suburban	400 CID (6.6L) Chevrolet	1975-1980	105	K1500	262 CID (4.3L) Chevrolet	1985-1995	62
K10 Suburban	454 CID (7.4L) Chevrolet	1973-1982	108	K1500	262 CID (4.3L) Vortec 4300 Chevrolet	1996-1998	63
K20	230 CID (3.8L) Chevrolet	1963-1969	43	K1500	292 CID (4.8L) Chevrolet	1967-1971	64
K20	235 CID (3.9L) Chevrolet	1960-1962	57	K1500	305 CID (5.0L) General Motors	1967-1969	65
K20	250 CID (4.1L) Chevrolet	1966-1984	58	K1500	305 CID (5.0L) Chevrolet	1977-1998	73
K20	261 CID (4.3L) Chevrolet	1962	61	K1500	307 CID (5.0L) Chevrolet	1970-1972	73
K20	262 CID (4.3L) Chevrolet	1985-1986	62	K1500	350 CID (5.7L) Carbureted Chevrolet	1970-1986	73
K20	283 CID (4.6L) Chevrolet	1960-1967	77	K1500	350 CID (5.7L) Fuel Injected Chevrolet	1988-1998	73
K20	292 CID (4.8L) Chevrolet	1963-1986	64	K1500	379 CID (6.2L) Chevrolet Diesel	1982-1993	101
K20	305 CID (5.0L) Chevrolet	1977-1986	73	K1500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1998	101
K20	307 CID (5.0L) Chevrolet	1968-1972	73	K1500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1995	101
K20	327 CID (5.4L) Chevrolet	1965-1968	86	K1500	396 CID (6.6L) Chevrolet	1968-1970	97
K20	350 CID (5.7L) Carbureted Chevrolet	1969-1986	73	K1500	400 CID (6.6L) Chevrolet	1975-1979	105
K20	379 CID (6.2L) Chevrolet Diesel	1982-1986	101	K1500	454 CID (7.4L) Chevrolet	1975-1991	108
K20	396 CID (6.6L) Chevrolet	1968-1969	97	K2500	262 CID (4.3L) Chevrolet	1988-1995	62
K20	400 CID (6.6L) Chevrolet	1975-1980	105	K2500	305 CID (5.0L) Chevrolet	1988-1995	73
K20	454 CID (7.4L) Chevrolet	1976-1986	108	K2500	350 CID (5.7L) Fuel Injected Chevrolet	1988-1998	73
K20 Suburban	250 CID (4.1L) Chevrolet	1967-1984	58	K2500	350 CID (5.7L) Vortec 5700 L31/KL5 Chevrolet	1996-1998	73
K20 Suburban	262 CID (4.3L) Chevrolet	1985-1986	62	K2500	379 CID (6.2L) Chevrolet Diesel	1988-1993	101
K20 Suburban	283 CID (4.6L) Chevrolet	1967	77	K2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-2000	101
K20 Suburban	292 CID (4.8L) Chevrolet	1967-1986	64	K2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1995	101
K20 Suburban	305 CID (5.0L) Chevrolet	1977-1986	73	K2500	454 CID (7.4L) Chevrolet	1990-1998	108
K20 Suburban	307 CID (5.0L) Chevrolet	1968-1972	73	K2500 Silverado Classic	350 CID (5.7L) Fuel Injected Chevrolet	1999-2000	73
K20 Suburban	327 CID (5.4L) Chevrolet	1967-1968	86	K2500 Silverado Classic	350 CID (5.7L) Vortec 5700 L31/KL5 Chevrolet	1999-2000	73
K20 Suburban	350 CID (5.7L) Carbureted Chevrolet	1969-1986	73	K2500 Silverado Classic	395 CID/6468CC (6.5L) Chevrolet Diesel	1999-2000	101
K20 Suburban	379 CID (6.2L) Chevrolet Diesel	1982-1986	101	K2500 Silverado Classic	454 CID (7.4L) Chevrolet	1999-2000	108
K20 Suburban	396 CID (6.6L) Chevrolet	1968-1969	97	K2500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1992-1999	73
K20 Suburban	400 CID (6.6L) Chevrolet	1975-1980	105	K2500 Suburban	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-1999	101
K20 Suburban	454 CID (7.4L) Chevrolet	1976-1986	108	K2500 Suburban	454 CID (7.4L) Chevrolet	1992-2000	108
K30	292 CID (4.8L) Chevrolet	1977-1986	64				
K30	305 CID (5.0L) Chevrolet	1981-1986	73				
K30	350 CID (5.7L) Carbureted Chevrolet	1977-1986	73				
K30	379 CID (6.2L) Chevrolet Diesel	1982-1986	101				
K30	400 CID (6.6L) Chevrolet	1977-1980	105				
K30	454 CID (7.4L) Chevrolet	1977-1986	108				
K1500	262 CID (4.3L) Chevrolet	1988-1995	62				
K1500	262 CID (4.3L) Vortec 4300 Chevrolet	1996-1998	63				
K1500	305 CID (5.0L) Chevrolet	1988-1999	73				
K1500	350 CID (5.7L) Fuel Injected Chevrolet	1988-1999	73				
K1500	379 CID (6.2L) Chevrolet Diesel	1988-1993	101				
K1500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	101				

GENERAL MOTORS CORP. (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
K2500 Suburban	250 CID (4.1L) Chevrolet	1967-1984	58	Kodiak C5500	403 CID/6599CC (6.6L) Duramax	2003-2004	109
K2500 Suburban	262 CID (4.3L) Chevrolet	1985-1986	62		6600 LB7 OHV General Motors Diesel		
K2500 Suburban	292 CID (4.8L) Chevrolet	1967-1986	64	Kodiak C5500	403 CID/6599CC (6.6L) Duramax	2005-2007	109
K2500 Suburban	305 CID (5.0L) General Motors	1967-1969	65		6600 LLY General Motors Diesel		
K2500 Suburban	305 CID (5.0L) Chevrolet	1977-1986	73	Kodiak C5500	427 CID (7.0L) Chevrolet	1997-1998	97
K2500 Suburban	307 CID (5.0L) Chevrolet	1970-1972	73	Kodiak C5500	454 CID (7.4L) Chevrolet	1999-2000	108
K2500 Suburban	350 CID (5.7L) Carbureted Chevrolet	1970-1986	73	Kodiak C5500	454 CID (7.4L) LP4 Chevrolet	1999-2000	108
K2500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1992-1999	73	Kodiak C5500	496 CID/8135CC (8.1L) Vortec	2001-2008	112
K2500 Suburban	379 CID (6.2L) Chevrolet Diesel	1982-1986	101	Kodiak C4500	8100 L18 OHV Chevrolet		
K2500 Suburban	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-1999	101		403 CID/6599CC (6.6L) Duramax	2003-2004	109
K2500 Suburban	396 CID (6.6L) Chevrolet	1968-1970	97		6600 LB7 OHV General Motors Diesel		
K2500 Suburban	400 CID (6.6L) Chevrolet	1975-1980	105	Kodiak C4500	403 CID/6599CC (6.6L) Duramax	2004-2007	109
K2500 Suburban	454 CID (7.4L) Chevrolet	1979-1999	108		6600 LLY General Motors Diesel		
K2500	250 CID (4.1L) Chevrolet	1967-1984	58	Kodiak C4500	496 CID/8135CC (8.1L) Vortec	2001-2008	112
K2500	262 CID (4.3L) Chevrolet	1985-1995	62		8100 L18 OHV Chevrolet		
K2500	292 CID (4.8L) Chevrolet	1967-1986	64	Kodiak C6500	496 CID/8135CC (8.1L) Vortec	2003-2008	112
K2500	305 CID (5.0L) General Motors	1967-1969	65		8100 L18 OHV Chevrolet		
K2500	305 CID (5.0L) Chevrolet	1977-1995	73	Kodiak C7500	496 CID/8135CC (8.1L) Vortec	2003-2008	112
K2500	307 CID (5.0L) Chevrolet	1970-1972	73		8100 L18 OHV Chevrolet		
K2500	350 CID (5.7L) Carbureted Chevrolet	1970-1986	73	Kodiak C8500	366 CID (6.0L) Chevrolet	1997-1998	97
K2500	350 CID (5.7L) Fuel Injected Chevrolet	1988-1998	73	Kodiak C8500	427 CID (7.0L) Chevrolet	1997-1998	97
K2500	350 CID (5.7L) Vortec 5700 L31/KL5 Chevrolet	1996-1998	73	Kodiak C8500	454 CID (7.4L) Chevrolet	1999-2000	108
K2500	379 CID (6.2L) Chevrolet Diesel	1982-1986	101	Kodiak C8500	454 CID (7.4L) LP4 Chevrolet	1999-2000	108
K2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-1999	101	Kodiak C8500	496 CID/8135CC (8.1L) Vortec	2001-2008	112
K2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1995	101		8100 L18 OHV Chevrolet		
K2500	396 CID (6.6L) Chevrolet	1968-1970	97	L50	230 CID (3.8L) Chevrolet	1963-1965	43
K2500	400 CID (6.6L) Chevrolet	1975-1980	105	L50	235 CID (3.9L) Chevrolet	1960-1962	57
K2500	454 CID (7.4L) Chevrolet	1979-1998	108	L60	261 CID (4.3L) Chevrolet	1960-1962	61
K3500	262 CID (4.3L) Chevrolet	1988-1991	62	L60	292 CID (4.8L) Chevrolet	1963-1966	64
K3500	305 CID (5.0L) Chevrolet	1988-1991	73	L60	327 CID (5.4L) Chevrolet	1963-1966	86
K3500	350 CID (5.7L) Fuel Injected Chevrolet	1988-1998	73	L60	348 CID (5.7L) Chevrolet	1963-1965	90
K3500	350 CID (5.7L) Vortec 5700 L31/KL5 Chevrolet	1996-1998	73	L60	366 CID (6.0L) Chevrolet	1966	97
K3500	379 CID (6.2L) Chevrolet Diesel	1988-1993	101	L70	348 CID (5.7L) Chevrolet	1960-1961	90
K3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-1998	101	L80	348 CID (5.7L) Chevrolet	1960-1965	90
K3500	454 CID (7.4L) Chevrolet	1988-1998	108	L80	366 CID (6.0L) Chevrolet	1966	97
K3500 Silverado Classic	350 CID (5.7L) Fuel Injected Chevrolet	1999-2000	73	L80	409 CID (6.7L) Chevrolet	1962-1965	90
K3500 Silverado Classic	395 CID/6468CC (6.5L) Chevrolet Diesel	1999-2000	101	L3500	305 CID (5.0L) General Motors	1965-1966	65
K3500 Silverado Classic	454 CID (7.4L) Chevrolet	1999-2000	108	L4000	305 CID (5.0L) General Motors	1963-1968	65
K3500	262 CID (4.3L) Chevrolet	1988-1991	62	L4000	351 CID (5.8L) General Motors	1963-1966	65
K3500	292 CID (4.8L) Chevrolet	1977-1986	64	L5000	351 CID (5.8L) General Motors	1963-1965	65
K3500	305 CID (5.0L) Chevrolet	1985-1991	73	L7000	702 CID (11.5L) OHV General Motors	1960-1965	114
K3500	350 CID (5.7L) Carbureted Chevrolet	1977-1986	73	L-Series	134 CID (2.2L) L61 DOHC Ecotec General Motors	2000-2004	24
K3500	350 CID (5.7L) Fuel Injected Chevrolet	1988-1998	73	LA4000	305 CID (5.0L) General Motors	1960-1961	65
K3500	350 CID (5.7L) Vortec 5700 L31/KL5 Chevrolet	1996-1998	73	LA5000	351 CID (5.8L) General Motors	1960-1962	65
K3500	379 CID (6.2L) Chevrolet Diesel	1982-1991	101	LA5500	401 CID (6.6L) General Motors	1960-1965	65
K3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-1998	101	LA6000	401 CID (6.6L) General Motors	1960-1965	65
K3500	400 CID (6.6L) Chevrolet	1977-1980	105	LA6500	478 CID (7.8L) General Motors	1964-1965	65
K3500	454 CID (7.4L) Chevrolet	1979-1999	108	LH4000	305 CID (5.0L) General Motors	1963-1967	65
K4000	351 CID (5.8L) General Motors	1963-1966	65	LH4000	351 CID (5.8L) General Motors	1963-1965	65
KC	216 CID (3.5L) Chevrolet	1940	50	LH5000	401 CID (6.6L) General Motors	1963-1965	65
KV4000	305 CID (5.0L) General Motors	1964-1966	65	LLV Postal Vehicle	134 CID (2.2L) OHV Chevrolet	1994-1995	26
Kodiak C5500	366 CID (6.0L) Chevrolet	1997-1998	97	LLV Postal Vehicle	151 CID (2.5L) Fuel Injected Pontiac	1987-1993	33
				LS50	250 CID (4.1L) Chevrolet	1966	58
				LSS	231 CID (3.8L) Fuel Injected Buick	1996-1999	55
				LSS	231 CID (3.8L) Supercharged Buick	1996-1999	56
				LV4000	305 CID (5.0L) General Motors	1960-1961	65
				LV5000	351 CID (5.8L) General Motors	1960-1962	65
				LV5500	401 CID (6.6L) General Motors	1960-1965	65
				LVH4000	292 CID (4.8L) Chevrolet	1966-1968	64
				LVI4000	292 CID (4.8L) Chevrolet	1966-1969	64
				LW7000	702 CID (11.5L) OHV General Motors	1960-1963	114



GENERAL MOTORS CORP. (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
LWA5000	351 CID (5.8L) General Motors	1960-1962	65	Lumina APV	189 CID (3.1L) Chevrolet	1990-1995	41
LWA5500	401 CID (6.6L) General Motors	1960-1965	65	Lumina APV	207 CID (3.4L) LA1 Chevrolet	1996	41
LWB5000	351 CID (5.8L) General Motors	1960-1962	65	Lumina APV	231 CID (3.8L) Fuel Injected	1992-1995	55
Laurentian	229 CID (3.8L) LC3 Chevrolet	1980	46		Buick		
Laurentian	231 CID (3.8L) Carbureted Buick	1978-1981	54	Luv	1817CC (1.8L) SOHC Isuzu	1971-1982	17
Laurentian	250 CID (4.1L) Chevrolet	1966-1979	58	Luv	2238CC (2.2L) OHV Isuzu Diesel	1981-1982	28
Laurentian	265 CID (4.3L) LS5 Pontiac	1980-1981	76	M60	292 CID (4.8L) Chevrolet	1963-1965	64
Laurentian	267 CID (4.4L) L39 Chevrolet	1980-1981	73	M60	327 CID (5.4L) Chevrolet	1963-1966	86
Laurentian	305 CID (5.0L) Chevrolet	1977-1981	73	M60	348 CID (5.7L) Chevrolet	1963-1965	90
Laurentian	307 CID (5.0L) Oldsmobile	1981	83	M60	366 CID (6.0L) Chevrolet	1966	97
Laurentian	350 CID (5.7L) Carbureted Chevrolet	1969-1979	73	M70	348 CID (5.7L) Chevrolet	1960-1961	90
Laurentian	350 CID (5.7L) Buick	1980	91	M80	348 CID (5.7L) Chevrolet	1962-1965	90
Laurentian	350 CID (5.7L) Oldsmobile Diesel	1980-1981	71	M80	366 CID (6.0L) Chevrolet	1966	97
Laurentian	400 CID (6.6L) Pontiac	1976	85	M80	409 CID (6.7L) Chevrolet	1962-1965	90
Laurentian	455 CID (7.5L) Pontiac	1976	110	M550	324 CID (5.3L) OHV General Motors	1955	84
Le Sabre	181 CID (3.0L) Buick	1986	42	M650	324 CID (5.3L) OHV General Motors	1955	84
Le Sabre	231 CID (3.8L) Carbureted Buick	1976-1985	54	ME50	327 CID (5.4L) Chevrolet	1967-1968	86
Le Sabre	231 CID (3.8L) Turbo Buick	1978-1981	42	ME50	350 CID (5.7L) Carbureted Chevrolet	1969-1970	73
Le Sabre	231 CID (3.8L) Fuel Injected Buick	1986-2005	55	ME50	366 CID (6.0L) Chevrolet	1967-1970	97
Le Sabre	252 CID (4.1L) LC4 Buick	1980-1984	44	ME60	366 CID (6.0L) Chevrolet	1967-1972	97
Le Sabre	267 CID (4.4L) L39 Chevrolet	1981-1982	73	ME60	427 CID (7.0L) Chevrolet	1968-1972	97
Le Sabre	300 CID (4.9L) Buick	1964-1965	80	ME65	366 CID (6.0L) Chevrolet	1973-1978	97
Le Sabre	301 CID (4.9L) Pontiac	1977-1981	76	ME65	427 CID (7.0L) Chevrolet	1973-1978	97
Le Sabre	305 CID (5.0L) Chevrolet	1978	73	ME6500	366 CID (6.0L) Chevrolet	1969-1978	97
Le Sabre	307 CID (5.0L) Oldsmobile	1981-1990	83	ME6500	427 CID (7.0L) Chevrolet	1969-1978	97
Le Sabre	340 CID (5.6L) Buick	1966-1967	89	ME9500	637 CID (10.4L) OHV General Motors	1966-1968	113
Le Sabre	350 CID (5.7L) Oldsmobile	1977-1980	72	MG60	478 CID (7.8L) General Motors Diesel	1967-1969	65
Le Sabre	350 CID (5.7L) Carbureted Chevrolet	1978	73	MJ9500	637 CID (10.4L) D637 General Motors Diesel	1966-1968	113
Le Sabre	350 CID (5.7L) Buick	1968-1980	91	MM65	432 CID (7.1L) General Motors	1974	66
Le Sabre	350 CID (5.7L) Oldsmobile Diesel	1980-1985	71	MM6500	432 CID (7.1L) General Motors	1974	66
Le Sabre	364 CID (6.0L) Buick	1959-1961	93	MW550	324 CID (5.3L) OHV General Motors	1955-1956	84
Le Sabre	400 CID (6.6L) Pontiac	1978	85	MW550	370 CID (6.1L) General Motors	1957-1959	99
Le Sabre	401 CID (6.6L) Buick	1962-1964	107	Malibu	134 CID (2.2L) L61 DOHC Ecotec General Motors	2004-2007	24
Le Sabre	403 CID (6.6L) L80 Oldsmobile	1977-1979	92	Malibu	146 CID (2.4L) LD9 DOHC Oldsmobile	1997-1999	31
Le Sabre	425 CID (7.0L) Buick	1964	107	Malibu	189 CID (3.1L) Chevrolet	1997-2003	41
Le Sabre	455 CID (7.5L) Buick	1970-1976	104	Malibu	200 CID (3.3L) L26 Chevrolet	1978-1979	46
LeMans	98 CID (1.6L) L73 Daewoo	1988-1993	7	Malibu	229 CID (3.8L) LC3 Chevrolet	1980-1983	46
LeMans	122 CID (2.0L) OHC Pontiac	1989-1990	23	Malibu	231 CID (3.8L) Carbureted Buick	1978-1983	54
LeMans	229 CID (3.8L) LC3 Chevrolet	1980-1981	46	Malibu	260 CID (4.3L) Oldsmobile Diesel	1982-1983	60
LeMans	231 CID (3.8L) Carbureted Buick	1977-1983	54	Malibu	267 CID (4.4L) L39 Chevrolet	1979-1982	73
LeMans	250 CID (4.1L) Chevrolet	1970-1976	58	Malibu	305 CID (5.0L) Chevrolet	1978-1983	73
LeMans	260 CID (4.3L) LV8 Oldsmobile	1976	72	Malibu	350 CID (5.7L) Carbureted Chevrolet	1978-1981	73
LeMans	265 CID (4.3L) LS5 Pontiac	1980-1981	76	Malibu	350 CID (5.7L) Oldsmobile Diesel	1982-1983	71
LeMans	267 CID (4.4L) L39 Chevrolet	1979-1982	73	Marathon	229 CID (3.8L) Chevrolet	1980-1982	46
LeMans	301 CID (4.9L) Pontiac	1977-1981	76	Marathon	230 CID (3.8L) Chevrolet	1965-1968	43
LeMans	305 CID (5.0L) Chevrolet	1978-1983	73	Marathon	250 CID (4.1L) Chevrolet	1969-1979	58
LeMans	350 CID (5.7L) Oldsmobile	1977-1979	72	Marathon	267 CID (4.4L) Chevrolet	1980-1982	73
LeMans	350 CID (5.7L) Carbureted Chevrolet	1978-1979	73	Marathon	283 CID (4.6L) Chevrolet	1965-1967	77
LeMans	350 CID (5.7L) Buick	1974-1975	91	Marathon	305 CID (5.0L) Chevrolet	1977-1981	73
LeMans	350 CID (5.7L) Pontiac	1970-1977	85	Marathon	307 CID (5.0L) Chevrolet	1968	73
LeMans	400 CID (6.6L) Pontiac	1972-1976	85	Marathon	327 CID (5.4L) Chevrolet	1966-1969	86
LeMans	403 CID (6.6L) L80 Oldsmobile	1977	92	Marathon	350 CID (5.7L) Carbureted Chevrolet	1970-1979	73
LeMans	455 CID (7.5L) Pontiac	1972-1975	110	Marathon	350 CID (5.7L) Oldsmobile Diesel	1980-1982	71
Limited	364 CID (6.0L) Buick	1958-1960	93	Master	216 CID (3.5L) Chevrolet	1937	50
Lumina	134 CID (2.2L) OHV Chevrolet	1993	26	Master 85	216 CID (3.5L) Chevrolet	1939	50
Lumina	151 CID (2.5L) Fuel Injected Pontiac	1990-1992	33				
Lumina	189 CID (3.1L) Chevrolet	1990-2001	41				
Lumina	189 CID (3.1L) L64 Chevrolet	1993	41				
Lumina	207 CID (3.4L) LQ1 DOHC Chevrolet	1991-1997	48				
Lumina	231 CID (3.8L) Fuel Injected Buick	1998-1999	55				

GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Master Deluxe	216 CID (3.5L) Chevrolet	1937	50	Nomad	348 CID (5.7L) Chevrolet	1958-1961	90
Metro	61 CID (1.0L) LS3 Turbo Suzuki	1989-1991	1	Nova	98 CID (1.6L) LC9 SOHC Toyota	1985-1988	8
Metro	61 CID (1.0L) LP2 Suzuki	1989-2001	1	Nova	98 CID (1.6L) LW0 DOHC Toyota	1988	9
Metro	79 CID (1.3L) L72 SOHC Suzuki	1992-1997	3	Nova	153 CID (2.5L) Chevrolet	1969-1970	34
Metro	79 CID (1.3L) LY8 Suzuki	1998-2001	3	Nova	230 CID (3.8L) Chevrolet	1969	43
Montana	207 CID (3.4L) LA1 Chevrolet	1999-2005	41	Nova	231 CID (3.8L) Carbureted Buick	1978-1979	54
Monte Carlo	189 CID (3.1L) Chevrolet	1995-1999	41	Nova	250 CID (4.1L) Chevrolet	1969-1979	58
Monte Carlo	200 CID (3.3L) L26 Chevrolet	1978-1979	46	Nova	262 CID (4.3L) Chevrolet	1975-1976	73
Monte Carlo	207 CID (3.4L) LQ1 DOHC Chevrolet	1995-1997	48	Nova	305 CID (5.0L) Chevrolet	1976-1978	73
Monte Carlo	207 CID (3.4L) LA1 Chevrolet	2000-2005	41	Nova	307 CID (5.0L) Chevrolet	1969-1973	73
Monte Carlo	229 CID (3.8L) LC3 Chevrolet	1980-1984	46	Nova	350 CID (5.7L) Carbureted Chevrolet	1969-1977	73
Monte Carlo	231 CID (3.8L) Carbureted Buick	1978-1981	54	Nova	396 CID (6.6L) Chevrolet	1969-1970	97
Monte Carlo	231 CID (3.8L) Turbo Buick	1978-1982	42	Omega	151 CID (2.5L) Carbureted Pontiac	1980-1983	32
Monte Carlo	231 CID (3.8L) Fuel Injected Buick	1998-2004	55	Omega	151 CID (2.5L) Fuel Injected Pontiac	1982-1984	33
Monte Carlo	231 CID (3.8L) Supercharged Buick	2004-2005	56	Omega	173 CID (2.8L) Chevrolet	1980-1984	40
Monte Carlo	260 CID (4.3L) Oldsmobile Diesel	1982-1985	60	Omega	231 CID (3.8L) Carbureted Buick	1977-1979	54
Monte Carlo	262 CID (4.3L) Chevrolet	1985-1988	62	Omega	250 CID (4.1L) Chevrolet	1973-1976	58
Monte Carlo	267 CID (4.4L) L39 Chevrolet	1979-1982	73	Omega	260 CID (4.3L) LV8 Oldsmobile	1975-1977	72
Monte Carlo	305 CID (5.0L) Chevrolet	1976-1988	73	Omega	305 CID (5.0L) Chevrolet	1977-1978	73
Monte Carlo	307 CID (5.0L) Oldsmobile	1986	83	Omega	350 CID (5.7L) Oldsmobile	1977	72
Monte Carlo	350 CID (5.7L) Carbureted Chevrolet	1970-1977	73	Omega	350 CID (5.7L) Carbureted Chevrolet	1973-1979	73
Monte Carlo	350 CID (5.7L) Oldsmobile Diesel	1978-1985	71	Omega	350 CID (5.7L) Buick	1975-1977	91
Monte Carlo	400 CID (6.6L) Chevrolet	1970-1976	105	Optima	122 CID (2.0L) OHC Pontiac	1989-1990	23
Monte Carlo	402 CID (6.6L) Chevrolet	1970-1971	108	P4	292 CID (4.8L) Chevrolet	1979-1984	64
Monte Carlo	454 CID (7.4L) Chevrolet	1970-1975	108	P6	366 CID (6.0L) Chevrolet	1989-1996	97
Monza	140 CID (2.3L) Chevrolet	1975-1977	22	P6	427 CID (7.0L) Chevrolet	1990-1996	97
Monza	151 CID (2.5L) Carbureted Pontiac	1978-1980	32	P6	366 CID (6.0L) Chevrolet	1991-1996	97
Monza	196 CID (3.2L) LC9 Buick	1978-1979	44	P6	427 CID (7.0L) Chevrolet	1991-1996	97
Monza	231 CID (3.8L) Carbureted Buick	1978-1980	54	P6	350 CID (5.7L) Carbureted Chevrolet	1983-1989	73
Monza	262 CID (4.3L) Chevrolet	1975-1976	73	P6	366 CID (6.0L) Chevrolet	1983-1990	97
Monza	305 CID (5.0L) Chevrolet	1976-1978	73	P6	427 CID (7.0L) Chevrolet	1983-1990	97
Monza	350 CID (5.7L) Carbureted Chevrolet	1975-1980	73	P6	350 CID (5.7L) Carbureted Chevrolet	1983-1989	73
Motor Home	455 CID (7.5L) 455 Oldsmobile	1973-1978	106	P6	366 CID (6.0L) Chevrolet	1983-1991	97
N60	478 CID (7.8L) General Motors Diesel	1965-1966	65	P6	427 CID (7.0L) Chevrolet	1983-1990	97
N80	478 CID (7.8L) General Motors Diesel	1965	65	P10	153 CID (2.5L) Chevrolet	1963-1965	34
Ninety Eight	181 CID (3.0L) Buick	1985	42	P10	194 CID (3.2L) Chevrolet	1964-1966	43
Ninety Eight	231 CID (3.8L) Fuel Injected Buick	1985-1996	55	P10	230 CID (3.8L) Chevrolet	1963-1969	43
Ninety Eight	231 CID (3.8L) Supercharged Buick	1992-1995	56	P10	235 CID (3.9L) Chevrolet	1960-1962	57
Ninety Eight	252 CID (4.1L) LC4 Buick	1981-1983	44	P10	250 CID (4.1L) Chevrolet	1966-1975	58
Ninety Eight	260 CID (4.3L) Oldsmobile Diesel	1985	60	P10	292 CID (4.8L) Chevrolet	1963-1982	64
Ninety Eight	303 CID (5.0L) Rocket V8 Oldsmobile	1949-1953	82	P10	307 CID (5.0L) Chevrolet	1968-1972	73
Ninety Eight	307 CID (5.0L) Oldsmobile	1980-1984	83	P10	327 CID (5.4L) Chevrolet	1965-1968	86
Ninety Eight	324 CID (5.3L) Rocket V8 Oldsmobile	1954-1956	82	P20	230 CID (3.8L) Chevrolet	1963-1969	43
Ninety Eight	350 CID (5.7L) Oldsmobile	1976-1980	72	P20	235 CID (3.9L) Chevrolet	1960-1962	57
Ninety Eight	350 CID (5.7L) Oldsmobile Diesel	1978-1984	71	P20	250 CID (4.1L) Chevrolet	1966-1975	58
Ninety Eight	371 CID (6.1L) Oldsmobile	1957-1958	100	P20	292 CID (4.8L) Chevrolet	1973-1989	64
Ninety Eight	394 CID (6.5L) Oldsmobile	1959-1964	100	P20	307 CID (5.0L) Chevrolet	1968-1972	73
Ninety Eight	403 CID (6.6L) L80 Oldsmobile	1977-1979	92	P20	327 CID (5.4L) Chevrolet	1965-1968	86
Ninety Eight	425 CID (7.0L) Oldsmobile	1965-1967	106	P20	350 CID (5.7L) Carbureted Chevrolet	1969-1989	73
Ninety Eight	455 CID (7.5L) Oldsmobile	1968-1975	106	P20	350 CID (5.7L) Fuel Injected Chevrolet	1987-1989	73
Nomad	235 CID (3.9L) Chevrolet	1955-1960	57	P20	379 CID (6.2L) Chevrolet Diesel	1982-1989	101
Nomad	265 CID (4.3L) Chevrolet	1955-1957	75	P20	454 CID (7.4L) Chevrolet	1970-1989	108
Nomad	283 CID (4.6L) Chevrolet	1957-1961	77	P30	230 CID (3.8L) Chevrolet	1963-1969	43
				P30	235 CID (3.9L) Chevrolet	1960-1962	57
				P30	250 CID (4.1L) Chevrolet	1966-1975	58
				P30	262 CID (4.3L) Chevrolet	1985-1995	62
				P30	262 CID (4.3L) Vortec 4300 Chevrolet	1996-1999	63
				P30	292 CID (4.8L) Chevrolet	1963-1989	64
				P30	307 CID (5.0L) Chevrolet	1968-1972	73



GENERAL MOTORS CORP. (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
P30	327 CID (5.4L) Chevrolet	1965-1968	86	PM250	287 CID (4.7L) Pontiac	1955	78
P30	350 CID (5.7L) Carbureted Chevrolet	1969-1989	73	PM250	317 CID (5.2L) General Motors	1956	78
P30	350 CID (5.7L) Fuel Injected Chevrolet	1987-1999	73	PM250	336 CID (5.5L) General Motors	1958-1959	78
P30	379 CID (6.2L) Chevrolet Diesel	1983-1993	101	PM250	347 CID (5.7L) General Motors	1957	78
P30	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	101	PS40	250 CID (4.1L) Chevrolet	1967-1970	58
P30	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	101	PS50	250 CID (4.1L) Chevrolet	1966	58
P30	454 CID (7.4L) Chevrolet	1970-1999	108	PS4500	292 CID (4.8L) Chevrolet	1967-1978	64
P50	230 CID (3.8L) Chevrolet	1965	43	Parisienne	231 CID (3.8L) Carbureted Buick	1978-1986	54
P350	270 CID (4.4L) OHV General Motors	1956-1959	52	Parisienne	252 CID (4.1L) LC4 Buick	1982	44
P1000	153 CID (2.5L) Chevrolet	1963-1965	34	Parisienne	260 CID (4.3L) Oldsmobile Diesel	1982	60
P1000	230 CID (3.8L) Chevrolet	1966	43	Parisienne	262 CID (4.3L) Chevrolet	1985-1986	62
P1000	270 CID (4.4L) OHV General Motors	1960-1962	52	Parisienne	265 CID (4.3L) LS5 Pontiac	1980-1981	76
P1500	230 CID (3.8L) Chevrolet	1963-1970	43	Parisienne	267 CID (4.4L) L39 Chevrolet	1980-1982	73
P1500	250 CID (4.1L) Chevrolet	1966-1974	58	Parisienne	301 CID (4.9L) Pontiac	1977-1981	76
P1500	292 CID (4.8L) Chevrolet	1963-1982	64	Parisienne	305 CID (5.0L) Chevrolet	1983-1986	73
P1500	307 CID (5.0L) Chevrolet	1970	73	Parisienne	307 CID (5.0L) Oldsmobile	1986	83
P2500	159 CID (2.6L) 3-53 Detroit Diesel Diesel	1967-1968	2	Parisienne	350 CID (5.7L) Oldsmobile	1977-1980	72
P2500	230 CID (3.8L) Chevrolet	1963-1970	43	Parisienne	350 CID (5.7L) Carbureted Chevrolet	1977-1979	73
P2500	250 CID (4.1L) Chevrolet	1966-1972	58	Parisienne	350 CID (5.7L) Buick	1978-1980	91
P2500	292 CID (4.8L) Chevrolet	1963-1989	64	Parisienne	350 CID (5.7L) Pontiac	1976-1977	85
P2500	307 CID (5.0L) Chevrolet	1970-1971	73	Parisienne	350 CID (5.7L) Oldsmobile Diesel	1980-1985	71
P2500	350 CID (5.7L) Carbureted Chevrolet	1972-1988	73	Parisienne	370 CID (6.1L) Pontiac	1958	78
P2500	350 CID (5.7L) Fuel Injected Chevrolet	1987-1989	73	Parisienne	389 CID (6.4L) Pontiac	1959-1966	102
P2500	379 CID (6.2L) Chevrolet Diesel	1982-1989	101	Parisienne	400 CID (6.6L) Pontiac	1967-1978	85
P2500	454 CID (7.4L) Chevrolet	1984-1986	108	Parisienne	400 CID (6.6L) Chevrolet	1970-1976	105
P3500	159 CID (2.6L) 3-53 Detroit Diesel Diesel	1967-1968	2	Parisienne	403 CID (6.6L) L80 Oldsmobile	1977-1979	92
P3500	230 CID (3.8L) Chevrolet	1970	43	Parisienne	421 CID (6.9L) Pontiac	1963-1966	110
P3500	250 CID (4.1L) Chevrolet	1967-1972	58	Parisienne	428 CID (7.0L) Pontiac	1967-1969	110
P3500	262 CID (4.3L) Chevrolet	1990-1995	62	Parisienne	455 CID (7.5L) Pontiac	1970-1975	110
P3500	262 CID (4.3L) Vortec 4300 Chevrolet	1996-1999	63	Park Avenue	231 CID (3.8L) Fuel Injected Buick	1991-2005	55
P3500	292 CID (4.8L) Chevrolet	1966-1989	64	Park Avenue	231 CID (3.8L) Supercharged Buick	1991-2005	56
P3500	307 CID (5.0L) Chevrolet	1970-1971	73	Phoenix	151 CID (2.5L) Carbureted Pontiac	1977-1983	32
P3500	350 CID (5.7L) Carbureted Chevrolet	1972-1988	73	Phoenix	151 CID (2.5L) Fuel Injected Pontiac	1982-1984	33
P3500	350 CID (5.7L) Fuel Injected Chevrolet	1987-1999	73	Phoenix	173 CID (2.8L) Chevrolet	1980-1984	40
P3500	379 CID (6.2L) Chevrolet Diesel	1982-1993	101	Phoenix	231 CID (3.8L) Carbureted Buick	1977-1979	54
P3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	101	Phoenix	305 CID (5.0L) Chevrolet	1977-1979	73
P3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	101	Phoenix	350 CID (5.7L) Carbureted Chevrolet	1977-1979	73
P3500	454 CID (7.4L) Chevrolet	1974-1999	108	Prizm	98 CID (1.6L) LW0 DOHC Toyota	1990-1992	9
PB1500	292 CID (4.8L) Chevrolet	1963-1966	64	Prizm	98 CID (1.6L) LO1 DOHC Toyota	1989-1997	9
PB2500	292 CID (4.8L) Chevrolet	1963-1966	64	Prizm	108 CID (1.8L) LV6 DOHC Toyota	1993-1999	12
PE30 MHC	454 CID (7.4L) Chevrolet	1966-1982	108	Pursuit	134 CID (2.2L) L61 DOHC Ecotec General Motors	2005-2006	24
PE3500	454 CID (7.4L) Chevrolet	1975-1982	108	Q60	478 CID (7.8L) General Motors Diesel	1965-1966	65
PM150	228 CID (3.7L) General Motors	1951-1953	52	Q80	478 CID (7.8L) General Motors Diesel	1965	65
PM150	248 CID (4.1L) General Motors	1954-1955	52	R10	262 CID (4.3L) Chevrolet	1987	62
PM150	270 CID (4.4L) OHV General Motors	1956-1959	52	R10	305 CID (5.0L) Chevrolet	1987	73
PM150	287 CID (4.7L) Pontiac	1955	78	R10	350 CID (5.7L) Fuel Injected Chevrolet	1987	73
PM150	317 CID (5.2L) General Motors	1956	78	R10	379 CID (6.2L) Chevrolet Diesel	1987	101
PM150	336 CID (5.5L) General Motors	1958-1959	78	R10 Suburban	262 CID (4.3L) Chevrolet	1987-1988	62
PM150	347 CID (5.7L) General Motors	1957	78	R10 Suburban	305 CID (5.0L) Chevrolet	1987-1988	73
PM250	228 CID (3.7L) General Motors	1951-1953	52	R10 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1987-1988	73
PM250	248 CID (4.1L) General Motors	1954-1955	52	R10 Suburban	379 CID (6.2L) Chevrolet Diesel	1987-1988	101
PM250	270 CID (4.4L) OHV General Motors	1956-1959	52	R20	262 CID (4.3L) Chevrolet	1987	62
				R20	292 CID (4.8L) Chevrolet	1987-1988	64
				R20	305 CID (5.0L) Chevrolet	1987	73



GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
R20	350 CID (5.7L) Carbureted Chevrolet	1987-1988	73	R3500	292 CID (4.8L) Chevrolet	1989	64
R20	350 CID (5.7L) Fuel Injected Chevrolet	1987-1988	73	R3500	350 CID (5.7L) Fuel Injected Chevrolet	1989-1991	73
R20	379 CID (6.2L) Chevrolet Diesel	1987-1988	101	R3500	379 CID (6.2L) Chevrolet Diesel	1989-1991	101
R20	454 CID (7.4L) Chevrolet	1987-1988	108	R3500	454 CID (7.4L) Chevrolet	1989-1991	108
R20 Suburban	262 CID (4.3L) Chevrolet	1987-1988	62	R3500	292 CID (4.8L) Chevrolet	1987-1989	64
R20 Suburban	292 CID (4.8L) Chevrolet	1987-1988	64	R3500	305 CID (5.0L) Chevrolet	1987	73
R20 Suburban	305 CID (5.0L) Chevrolet	1987-1988	73	R3500	350 CID (5.7L) Carbureted Chevrolet	1987-1988	73
R20 Suburban	350 CID (5.7L) Carbureted Chevrolet	1987-1988	73	R3500	350 CID (5.7L) Fuel Injected Chevrolet	1987-1991	73
R20 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1987-1988	73	R3500	379 CID (6.2L) Chevrolet Diesel	1987-1991	101
R20 Suburban	379 CID (6.2L) Chevrolet Diesel	1987-1988	101	R3500	454 CID (7.4L) Chevrolet	1987-1991	108
R20 Suburban	454 CID (7.4L) Chevrolet	1987-1988	108	RG7500	478 CID (7.8L) General Motors Diesel	1965-1969	65
R30	292 CID (4.8L) Chevrolet	1987-1988	64	RM75	432 CID (7.1L) General Motors	1973-1974	66
R30	305 CID (5.0L) Chevrolet	1987	73	RM80	432 CID (7.1L) General Motors	1973-1974	66
R30	350 CID (5.7L) Carbureted Chevrolet	1987-1988	73	RM80	478 CID (7.8L) General Motors	1972-1974	65
R30	350 CID (5.7L) Fuel Injected Chevrolet	1987-1988	73	RM7500	351 CID (5.8L) General Motors	1966-1972	65
R30	379 CID (6.2L) Chevrolet Diesel	1987-1988	101	RM7500	401 CID (6.6L) General Motors	1966-1972	65
R30	454 CID (7.4L) Chevrolet	1987-1988	108	RM7500	432 CID (7.1L) General Motors	1973-1974	66
R1500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1989-1991	73	RM7500	478 CID (7.8L) General Motors	1966-1973	65
R1500 Suburban	379 CID (6.2L) Chevrolet Diesel	1989-1991	101	RM8500	432 CID (7.1L) General Motors	1973-1974	66
R1500 Suburban	454 CID (7.4L) Chevrolet	1989-1991	108	Rainier	254 CID (4.2L) LL8 Vortec 4200 DOHC 24 Valve Chevrolet	2004-2008	59
R1500 Suburban	262 CID (4.3L) Chevrolet	1987	62	Rainier	325 CID (5.3L) Vortec 5300 Chevrolet	2004	79
R1500 Suburban	305 CID (5.0L) Chevrolet	1987	73	Reatta	231 CID (3.8L) Fuel Injected Buick	1988-1990	55
R1500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1987-1991	73	Regal	173 CID (2.8L) Chevrolet	1988-1989	40
R1500 Suburban	379 CID (6.2L) Chevrolet Diesel	1987-1991	101	Regal	189 CID (3.1L) Chevrolet	1989-1998	41
R1500 Suburban	454 CID (7.4L) Chevrolet	1990	108	Regal	196 CID (3.2L) LC9 Buick	1978-1979	44
R1500	262 CID (4.3L) Chevrolet	1987	62	Regal	231 CID (3.8L) Carbureted Buick	1976-1987	54
R1500	305 CID (5.0L) Chevrolet	1987	73	Regal	231 CID (3.8L) Turbo Buick	1978-1987	42
R1500	350 CID (5.7L) Fuel Injected Chevrolet	1987	73	Regal	231 CID (3.8L) Fuel Injected Buick	1990-2004	55
R1500	379 CID (6.2L) Chevrolet Diesel	1987	101	Regal	231 CID (3.8L) Supercharged Buick	1997-2004	56
R2500	292 CID (4.8L) Chevrolet	1989	64	Regal	252 CID (4.1L) LC4 Buick	1980-1984	44
R2500	350 CID (5.7L) Carbureted Chevrolet	1989	73	Regal	260 CID (4.3L) Oldsmobile Diesel	1982-1985	60
R2500	350 CID (5.7L) Fuel Injected Chevrolet	1989	73	Regal	262 CID (4.3L) Chevrolet	1985	62
R2500	379 CID (6.2L) Chevrolet Diesel	1989	101	Regal	265 CID (4.3L) LS5 Pontiac	1980-1981	76
R2500	454 CID (7.4L) Chevrolet	1989	108	Regal	267 CID (4.4L) L39 Chevrolet	1981-1982	73
R2500 Suburban	292 CID (4.8L) Chevrolet	1989	64	Regal	301 CID (4.9L) Pontiac	1979-1981	76
R2500 Suburban	350 CID (5.7L) Carbureted Chevrolet	1989	73	Regal	305 CID (5.0L) Chevrolet	1978-1983	73
R2500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1989-1991	73	Regal	307 CID (5.0L) Oldsmobile	1986-1987	83
R2500 Suburban	379 CID (6.2L) Chevrolet Diesel	1989-1991	101	Regal	350 CID (5.7L) Oldsmobile	1977	72
R2500 Suburban	454 CID (7.4L) Chevrolet	1989-1991	108	Regal	350 CID (5.7L) Carbureted Chevrolet	1977	73
R2500 Suburban	262 CID (4.3L) Chevrolet	1987	62	Regal	350 CID (5.7L) Buick	1976-1977	91
R2500 Suburban	292 CID (4.8L) Chevrolet	1987-1989	64	Regal	350 CID (5.7L) Oldsmobile Diesel	1981-1985	71
R2500 Suburban	305 CID (5.0L) Chevrolet	1987	73	Regal	403 CID (6.6L) L80 Oldsmobile	1977	92
R2500 Suburban	350 CID (5.7L) Carbureted Chevrolet	1987-1989	73	Regency	231 CID (3.8L) Fuel Injected Buick	1997-1998	55
R2500 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1987-1991	73	Rendezvous	207 CID (3.4L) LA1 Chevrolet	2002-2005	41
R2500 Suburban	379 CID (6.2L) Chevrolet Diesel	1987-1991	101	Riviera	173 CID (2.8L) Chevrolet	1984	40
R2500 Suburban	454 CID (7.4L) Chevrolet	1987-1991	108	Riviera	231 CID (3.8L) Carbureted Buick	1976-1977	54
R2500	262 CID (4.3L) Chevrolet	1987	62	Riviera	231 CID (3.8L) Turbo Buick	1978-1985	42
R2500	292 CID (4.8L) Chevrolet	1987-1989	64	Riviera	231 CID (3.8L) Fuel Injected Buick	1986-1997	55
R2500	305 CID (5.0L) Chevrolet	1987	73	Riviera	231 CID (3.8L) Supercharged Buick	1995-1999	56
R2500	350 CID (5.7L) Carbureted Chevrolet	1987-1989	73	Riviera	252 CID (4.1L) LC4 Buick	1980-1983	44
R2500	350 CID (5.7L) Fuel Injected Chevrolet	1987-1989	73	Riviera	300 CID (4.9L) Buick	1965	80
R2500	379 CID (6.2L) Chevrolet Diesel	1987-1989	101	Riviera	301 CID (4.9L) Pontiac	1977-1979	76
R2500	454 CID (7.4L) Chevrolet	1987-1989	108	Riviera	305 CID (5.0L) Chevrolet	1978	73
				Riviera	307 CID (5.0L) Oldsmobile	1980-1985	83



GENERAL MOTORS CORP. (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Riviera	350 CID (5.7L) Oldsmobile	1977-1980	72	S370	270 CID (4.4L) OHV General Motors	1957-1959	52
Riviera	350 CID (5.7L) Carbureted Chevrolet	1977-1979	73	S370	336 CID (5.5L) General Motors	1958-1959	78
Riviera	350 CID (5.7L) Buick	1976-1980	91	S400-24	248 CID (4.1L) General Motors	1954-1955	52
Riviera	350 CID (5.7L) Oldsmobile Diesel	1980-1985	71	S400-27	270 CID (4.4L) OHV General Motors	1951-1955	52
Riviera	400 CID (6.6L) Pontiac	1978	85	S450	302 CID (5.0L) OHV General Motors	1955-1959	52
Riviera	401 CID (6.6L) Buick	1963	107	S450-30	302 CID (5.0L) OHV General Motors	1952-1954	52
Riviera	403 CID (6.6L) L80 Oldsmobile	1977-1979	92	S4000	305 CID (5.0L) General Motors	1963-1966	65
Riviera	425 CID (7.0L) Buick	1963-1966	107	S4000	351 CID (5.8L) General Motors	1963-1966	65
Riviera	430 CID (7.0L) Buick	1967-1969	104	S5000	351 CID (5.8L) General Motors	1963-1965	65
Riviera	455 CID (7.5L) Buick	1970-1976	104	S6200	327 CID (5.4L) Chevrolet	1962-1966	86
Roadmaster	305 CID (5.0L) Chevrolet	1991-1992	73	SA4000	305 CID (5.0L) General Motors	1960-1961	65
Roadmaster	322 CID (5.3L) Buick	1953-1956	74	SA4000	351 CID (5.8L) General Motors	1960-1962	65
Roadmaster	350 CID (5.7L) Fuel Injected Chevrolet	1992-1996	73	SA5000	351 CID (5.8L) General Motors	1960-1962	65
Roadmaster	364 CID (6.0L) Buick	1957-1958	93	SC1	116 CID (1.9L) SOHC Saturn	1993-2002	18
S7T042	366 CID (6.0L) Chevrolet	1988-1991	97	SC2	116 CID (1.9L) DOHC Saturn	1993-2002	18
S10	119 CID (1.9L) LR1 SOHC Isuzu	1982-1985	19	SC	116 CID (1.9L) DOHC Saturn	1991-1992	18
S10	121 CID (2.0L) LQ2 Chevrolet	1983-1984	21	SE50	350 CID (5.7L) Carbureted Chevrolet	1969-1971	73
S10	134 CID (2.2L) OHV Chevrolet	1994-2002	26	SE50	366 CID (6.0L) Chevrolet	1967-1970	97
S10	137 CID (2.2L) LQ7 OHV Isuzu Diesel	1983-1985	27	SE60	350 CID (5.7L) Carbureted Chevrolet	1973-1978	73
S10	151 CID (2.5L) Fuel Injected Pontiac	1985-1993	33	SE60	366 CID (6.0L) Chevrolet	1967-1978	97
S10	173 CID (2.8L) Chevrolet	1982-1993	40	SE5000	327 CID (5.4L) Chevrolet	1967-1968	86
S10	262 CID (4.3L) Chevrolet	1988-1995	62	SE5500	366 CID (6.0L) Chevrolet	1970-1972	97
S10	262 CID (4.3L) Vortec 4300 Chevrolet	1992-2004	63	SE6000	327 CID (5.4L) Chevrolet	1967-1968	86
S10 Blazer	119 CID (1.9L) LR1 SOHC Isuzu	1983-1984	19	SE6000	366 CID (6.0L) Chevrolet	1973-1978	97
S10 Blazer	121 CID (2.0L) LQ2 Chevrolet	1983-1984	21	SG50	478 CID (7.8L) General Motors Diesel	1972	65
S10 Blazer	137 CID (2.2L) LQ7 OHV Isuzu Diesel	1984-1985	27	SG60	478 CID (7.8L) General Motors Diesel	1973-1974	65
S10 Blazer	151 CID (2.5L) Fuel Injected Pontiac	1985-1991	33	SG5500	478 CID (7.8L) General Motors Diesel	1967-1972	65
S10 Blazer	173 CID (2.8L) Chevrolet	1983-1989	40	SG6000	478 CID (7.8L) General Motors Diesel	1973-1974	65
S10 Blazer	262 CID (4.3L) Chevrolet	1988-1994	62	SI4000	292 CID (4.8L) Chevrolet	1966	64
S10 Blazer	262 CID (4.3L) Vortec 4300 Chevrolet	1992-1994	63	SL1	116 CID (1.9L) SOHC Saturn	1991-2002	18
S15	119 CID (1.9L) LR1 SOHC Isuzu	1982-1985	19	SL2	116 CID (1.9L) DOHC Saturn	1991-2002	18
S15	121 CID (2.0L) LQ2 Chevrolet	1983-1984	21	SL	116 CID (1.9L) SOHC Saturn	1991-2002	18
S15	137 CID (2.2L) LQ7 OHV Isuzu Diesel	1984-1985	27	SM5500	305 CID (5.0L) General Motors	1967-1972	65
S15	151 CID (2.5L) Fuel Injected Pontiac	1985-1990	33	SM5500	351 CID (5.8L) General Motors	1967-1972	65
S15	173 CID (2.8L) Chevrolet	1982-1990	40	SM6000	305 CID (5.0L) General Motors	1973-1974	65
S15	262 CID (4.3L) Chevrolet	1988-1990	62	SM6000	379 CID (6.2L) General Motors	1973-1974	66
S15 Jimmy	119 CID (1.9L) LR1 SOHC Isuzu	1983-1985	19	SM6500	351 CID (5.8L) General Motors	1967-1969	65
S15 Jimmy	121 CID (2.0L) LQ2 Chevrolet	1983-1984	21	SM6500	401 CID (6.6L) General Motors	1967-1969	65
S15 Jimmy	137 CID (2.2L) LQ7 OHV Isuzu Diesel	1984-1985	27	SP5000	351 CID (5.8L) General Motors	1963-1965	65
S15 Jimmy	151 CID (2.5L) Fuel Injected Pontiac	1985-1988	33	SP5000	478 CID (7.8L) General Motors	1964-1965	65
S15 Jimmy	173 CID (2.8L) Chevrolet	1983-1989	40	SPA5000	351 CID (5.8L) General Motors	1960-1962	65
S15 Jimmy	262 CID (4.3L) Chevrolet	1988-1994	62	SPA5000	401 CID (6.6L) General Motors	1960-1965	65
S15 Jimmy	262 CID (4.3L) Vortec 4300 Chevrolet	1992-1994	63	SPV5000	351 CID (5.8L) General Motors	1960-1962	65
S50	230 CID (3.8L) Chevrolet	1963-1965	43	SPV5000	401 CID (6.6L) General Motors	1960-1965	65
S50	235 CID (3.9L) Chevrolet	1960-1962	57	SRX	281 CID (4.6L) DOHC (Northstar) Cadillac	2004-2008	69
S60	261 CID (4.3L) Chevrolet	1960-1962	61	SS40	250 CID (4.1L) Chevrolet	1968-1971	58
S60	292 CID (4.8L) Chevrolet	1963-1966	64	SS50	250 CID (4.1L) Chevrolet	1966-1967	58
S60	327 CID (5.4L) Chevrolet	1963-1966	86	SS5500	292 CID (4.8L) Chevrolet	1970-1972	64
S60	348 CID (5.7L) Chevrolet	1963-1965	90	SS6000	292 CID (4.8L) Chevrolet	1973-1976	64
S60	366 CID (6.0L) Chevrolet	1966	97	SSR	325 CID (5.3L) Vortec 5300 Chevrolet	2003-2004	79
S70	348 CID (5.7L) Chevrolet	1960-1961	90	SSR	365 CID (6.0L) 6000 LS2 Chevrolet	2005-2006	95
S300	270 CID (4.4L) OHV General Motors	1956-1959	52	STS	281 CID (4.6L) DOHC (Northstar) Cadillac	2005-2008	69
S300-8	287 CID (4.7L) Pontiac	1955	78	SV4000	305 CID (5.0L) General Motors	1960-1961	65
S300-24	248 CID (4.1L) General Motors	1954-1955	52	SV4000	351 CID (5.8L) General Motors	1960-1962	65



GENERAL MOTORS CORP. (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
SV5000	351 CID (5.8L) General Motors	1960-1962	65	Savana 3500	454 CID (7.4L) Chevrolet	1996-2000	108
SW1	116 CID (1.9L) SOHC Saturn	1993-2001	18	Savana 3500	496 CID/8135CC (8.1L) Vortec	2001-2002	112
SW2	116 CID (1.9L) DOHC Saturn	1993-2001	18		8100 L18 OHV Chevrolet		
SWP	116 CID (1.9L) SOHC Saturn	1999-2000	18	Savana 3500 EXT	294 CID (4.8L) Vortec 4800 LR4	2005-2007	79
Safari	151 CID (2.5L) Fuel Injected	1985-1990	33		Chevrolet		
	Pontiac			Savana 3500 EXT	350 CID (5.7L) Fuel Injected	1996-2002	73
Safari	262 CID (4.3L) Chevrolet	1985-1994	62		Chevrolet		
Safari	262 CID (4.3L) Vortec 4300	1992-2005	63	Savana 3500 EXT	365 CID (6.0L) Vortec 6000	2003-2007	96
	Chevrolet				Chevrolet		
Safari	307 CID (5.0L) Oldsmobile	1987-1989	83	Savana 3500 EXT	365 CID (6.0L) Vortec 6000 LQ4	2003-2005	96
Safari EXT	262 CID (4.3L) Chevrolet	1990-1994	62		(KL5) Chevrolet		
Safari EXT	262 CID (4.3L) Vortec 4300	1992-1994	63	Savana 3500 EXT	365 CID (6.0L) Vortec 6000 LQ4	2003-2005	96
	Chevrolet				(KL6) Chevrolet		
Savana 1500	262 CID (4.3L) Vortec 4300	1996-2007	63	Savana 3500 EXT	395 CID/6468CC (6.5L)	1996-2002	101
	Chevrolet				Chevrolet Diesel		
Savana 1500	305 CID (5.0L) Chevrolet	1996-2002	73	Savana 3500 EXT	454 CID (7.4L) Chevrolet	1996-2000	108
Savana 1500	325 CID (5.3L) Vortec 5300	2003-2007	79	Savana 3500 EXT	496 CID/8135CC (8.1L) Vortec	2001-2002	112
	Chevrolet				8100 L18 OHV Chevrolet		
Savana 1500	325 CID (5.3L) Vortec 5300 L59	2007	79	Sedan DeVille	249 CID (4.1L) Cadillac	1982-1984	70
	Chevrolet			Sedan DeVille	252 CID (4.1L) LC4 Buick	1980-1983	44
Savana 1500	350 CID (5.7L) Fuel Injected	1996-2002	73	Sedan DeVille	331 CID (5.4L) OHV Cadillac	1954-1955	88
	Chevrolet			Sedan DeVille	350 CID (5.7L) Oldsmobile	1978-1984	71
Savana 2500	262 CID (4.3L) Vortec 4300	1996-2005	63		Diesel		
	Chevrolet			Sedan DeVille	365 CID (6.0L) Cadillac	1956-1958	94
Savana 2500	294 CID (4.8L) Vortec 4800 LR4	2003-2007	79	Sedan DeVille	368 CID (6.0L) Cadillac	1980-1981	98
	Chevrolet			Sedan DeVille	390 CID (6.4L) Cadillac	1959-1963	103
Savana 2500	305 CID (5.0L) Chevrolet	1996-2002	73	Sedan DeVille	425 CID (7.0L) Cadillac	1977-1979	98
Savana 2500	325 CID (5.3L) Vortec 5300	2003-2004	79	Sedan DeVille	429 CID (7.0L) Cadillac	1964-1967	111
	Chevrolet			Sedan DeVille	472 CID (7.7L) Cadillac	1968-1974	98
Savana 2500	350 CID (5.7L) Fuel Injected	1996-2002	73	Sedan DeVille	500 CID (8.2L) Cadillac	1975-1976	98
	Chevrolet			Series 61	331 CID (5.4L) OHV Cadillac	1949-1951	88
Savana 2500	365 CID (6.0L) Vortec 6000	2003-2007	96	Series 62	331 CID (5.4L) OHV Cadillac	1949-1955	88
	Chevrolet			Series 62	365 CID (6.0L) Cadillac	1956-1958	94
Savana 2500	365 CID (6.0L) Vortec 6000 LQ4	2003-2005	96	Series 6200	390 CID (6.4L) Cadillac	1959-1963	103
	(KL5) Chevrolet			Series 6200	429 CID (7.0L) Cadillac	1964	111
Savana 2500	365 CID (6.0L) Vortec 6000 LQ4	2003-2005	96	Seville	249 CID (4.1L) Cadillac	1982-1987	70
	(KL6) Chevrolet			Seville	252 CID (4.1L) LC4 Buick	1981-1983	44
Savana 2500	395 CID/6468CC (6.5L)	1996-2002	101	Seville	273 CID (4.5L) Cadillac	1988-1989	70
	Chevrolet Diesel			Seville	281 CID (4.6L) DOHC	1993-2004	69
Savana 2500 EXT	262 CID (4.3L) Vortec 4300	1996-2005	63		(Northstar) Cadillac		
	Chevrolet			Seville	300 CID (4.9L) L26 Cadillac	1991-1993	70
Savana 2500 EXT	294 CID (4.8L) Vortec 4800 LR4	2003-2007	79	Seville	350 CID (5.7L) Oldsmobile	1975-1979	72
	Chevrolet			Seville	350 CID (5.7L) Oldsmobile	1978-1985	71
Savana 2500 EXT	305 CID (5.0L) Chevrolet	1996-2002	73		Diesel		
Savana 2500 EXT	325 CID (5.3L) Vortec 5300	2003-2005	79	Seville	368 CID (6.0L) Cadillac	1980-1981	98
	Chevrolet			Sierra 1500	262 CID (4.3L) Vortec 4300	1999-2007	63
Savana 2500 EXT	350 CID (5.7L) Fuel Injected	1996-2002	73		Chevrolet		
	Chevrolet			Sierra 1500	294 CID (4.8L) Vortec 4800 LR4	1999-2006	79
Savana 2500 EXT	365 CID (6.0L) Vortec 6000	2003-2007	96		Chevrolet		
	Chevrolet			Sierra 1500	325 CID (5.3L) Vortec 5300	1999-2006	79
Savana 2500 EXT	365 CID (6.0L) Vortec 6000 LQ4	2003-2005	96		Chevrolet		
	(KL5) Chevrolet			Sierra 1500	325 CID (5.3L) Vortec 5300 L59	2002-2006	79
Savana 2500 EXT	365 CID (6.0L) Vortec 6000 LQ4	2003-2005	96		Chevrolet		
	(KL6) Chevrolet			Sierra 1500	365 CID (6.0L) Vortec 6000	2002-2006	96
Savana 2500 EXT	395 CID/6468CC (6.5L)	1996-2001	101		Chevrolet		
	Chevrolet Diesel			Sierra 1500HD	365 CID (6.0L) Vortec 6000	2001-2003	96
Savana 3500	262 CID (4.3L) Vortec 4300	1997-1998	63		Chevrolet		
	Chevrolet			Sierra 1500HD	365 CID (6.0L) Vortec 6000 LQ4	2006	96
Savana 3500	294 CID (4.8L) Vortec 4800 LR4	2005-2007	79		(KL5) Chevrolet		
	Chevrolet			Sierra 2500	325 CID (5.3L) Vortec 5300	1999-2004	79
Savana 3500	350 CID (5.7L) Fuel Injected	1996-2002	73		Chevrolet		
	Chevrolet			Sierra 2500	365 CID (6.0L) Vortec 6000	1999-2004	96
Savana 3500	365 CID (6.0L) Vortec 6000	2003-2007	96		Chevrolet		
	Chevrolet			Sierra 2500	365 CID (6.0L) Vortec 6000 LQ4	2002-2004	96
Savana 3500	365 CID (6.0L) Vortec 6000 LQ4	2003-2005	96		(KL6) Chevrolet		
	(KL5) Chevrolet			Sierra 2500HD	365 CID (6.0L) Vortec 6000	2001-2006	96
Savana 3500	365 CID (6.0L) Vortec 6000 LQ4	2003-2005	96		Chevrolet		
	(KL6) Chevrolet			Sierra 2500HD	365 CID (6.0L) Vortec 6000 LQ4	2004-2005	96
Savana 3500	395 CID/6468CC (6.5L)	1996-2002	101		(KL5) Chevrolet		
	Chevrolet Diesel						



GENERAL MOTORS CORP. (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Sierra 2500HD	365 CID (6.0L) Vortec 6000 LQ4 (KL6) Chevrolet	2002-2005	96	Sierra Classic K3500	350 CID (5.7L) Fuel Injected Chevrolet	1999-2000	73
Sierra 2500HD	403 CID/6599CC (6.6L) Duramax Diesel	2001-2004	109	Sierra Classic K3500	350 CID (5.7L) Vortec 5700 L31/KL5 Chevrolet	1999-2000	73
Sierra 2500HD	6600 LB7 OHV General Motors Diesel			Sierra Classic K3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1999-2000	101
Sierra 2500HD	403 CID/6599CC (6.6L) Duramax Diesel	2004-2006	109	Sierra Classic K3500	454 CID (7.4L) Chevrolet	1999-2000	108
Sierra 2500HD	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2006	112	Silhouette	138 CID (2.3L) DOHC Oldsmobile	1993-1996	29
Sierra 3500	365 CID (6.0L) Vortec 6000 Chevrolet	2001-2006	96	Silhouette	189 CID (3.1L) Chevrolet	1990-1994	41
Sierra 3500	403 CID/6599CC (6.6L) Duramax Diesel	2001-2004	109	Silhouette	207 CID (3.4L) LA1 Chevrolet	1996-2004	41
Sierra 3500	6600 LB7 OHV General Motors Diesel			Silhouette	231 CID (3.8L) Fuel Injected Buick	1992-1995	55
Sierra 3500	403 CID/6599CC (6.6L) Duramax Diesel	2004-2006	109	Silverado 1500	262 CID (4.3L) Vortec 4300 Chevrolet	1999-2008	63
Sierra 3500	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2006	112	Silverado 1500	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	1999-2006	79
Sierra Classic 1500	262 CID (4.3L) Vortec 4300 Chevrolet	2007	63	Silverado 1500	325 CID (5.3L) Vortec 5300 Chevrolet	1999-2006	79
Sierra Classic 1500	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2007	79	Silverado 1500	325 CID (5.3L) Vortec 5300 L59 Chevrolet	2002-2006	79
Sierra Classic 1500	325 CID (5.3L) Vortec 5300 Chevrolet	2007	79	Silverado 1500	365 CID (6.0L) Vortec 6000 Chevrolet	2003-2006	96
Sierra Classic 1500	325 CID (5.3L) Vortec 5300 L59 Chevrolet	2007	79	Silverado 1500HD	365 CID (6.0L) Vortec 6000 Chevrolet	2001-2006	96
Sierra Classic 1500HD	365 CID (6.0L) Vortec 6000 Chevrolet	2007	96	Silverado 1500HD	365 CID (6.0L) Vortec 6000 LQ4 (KL5) Chevrolet	2001-2003	96
Sierra Classic 1500HD	365 CID (6.0L) Vortec 6000 LQ4 (KL5) Chevrolet	2007	96	Silverado 2500	325 CID (5.3L) Vortec 5300 Chevrolet	1999-2004	79
Sierra Classic 2500HD	365 CID (6.0L) Vortec 6000 Chevrolet	2007	96	Silverado 2500	365 CID (6.0L) Vortec 6000 Chevrolet	1999-2004	96
Sierra Classic 2500HD	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2007	112	Silverado 2500	365 CID (6.0L) Vortec 6000 LQ4 (KL5) Chevrolet	2001-2004	96
Sierra Classic 3500	365 CID (6.0L) Vortec 6000 Chevrolet	2007	96	Silverado 2500	365 CID (6.0L) Vortec 6000 LQ4 (KL6) Chevrolet	2002-2004	96
Sierra Classic 3500	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2007	112	Silverado 2500HD	365 CID (6.0L) Vortec 6000 Chevrolet	2001-2006	96
Sierra Classic C1500	305 CID (5.0L) Chevrolet	1999	73	Silverado 2500HD	365 CID (6.0L) Vortec 6000 LQ4 (KL5) Chevrolet	2001-2006	96
Sierra Classic C1500	350 CID (5.7L) Fuel Injected Chevrolet	1999	73	Silverado 2500HD	365 CID (6.0L) Vortec 6000 LQ4 (KL6) Chevrolet	2003-2006	96
Sierra Classic C2500	350 CID (5.7L) Fuel Injected Chevrolet	1999-2000	73	Silverado 2500HD	403 CID/6599CC (6.6L) Duramax Diesel	2001-2004	109
Sierra Classic C2500	350 CID (5.7L) Vortec 5700 L31/KL5 Chevrolet	1999-2000	73	Silverado 2500HD	6600 LB7 OHV General Motors Diesel		
Sierra Classic C2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1999-2000	101	Silverado 2500HD	403 CID/6599CC (6.6L) Duramax Diesel	2004-2006	109
Sierra Classic C2500	454 CID (7.4L) Chevrolet	1999-2000	108	Silverado 2500HD	6600 LLY General Motors Diesel		
Sierra Classic C3500	350 CID (5.7L) Fuel Injected Chevrolet	1999-2000	73	Silverado 2500HD	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2006	112
Sierra Classic C3500	350 CID (5.7L) Vortec 5700 L31/KL5 Chevrolet	1999-2000	73	Silverado 3500	365 CID (6.0L) Vortec 6000 Chevrolet	2001-2006	96
Sierra Classic C3500	395 CID/6468CC (6.5L) Chevrolet Diesel	1999-2000	101	Silverado 3500	365 CID (6.0L) Vortec 6000 LQ4 (KL5) Chevrolet	2001-2006	96
Sierra Classic C3500	454 CID (7.4L) Chevrolet	1999-2000	108	Silverado 3500	403 CID/6599CC (6.6L) Duramax Diesel	2001-2004	109
Sierra Classic C3500HD	395 CID/6468CC (6.5L) Chevrolet Diesel	1999-2002	101	Silverado 3500	6600 LB7 OHV General Motors Diesel		
Sierra Classic C3500HD	454 CID (7.4L) Chevrolet	1999-2000	108	Silverado 3500	403 CID/6599CC (6.6L) Duramax Diesel	2004-2006	109
Sierra Classic C3500HD	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2002	112	Silverado 3500	6600 LLY General Motors Diesel		
Sierra Classic K1500	305 CID (5.0L) Chevrolet	1999	73	Silverado 3500	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2006	112
Sierra Classic K1500	350 CID (5.7L) Fuel Injected Chevrolet	1999	73	Silverado Classic 1500	262 CID (4.3L) Vortec 4300 Chevrolet	2007	63
Sierra Classic K2500	350 CID (5.7L) Fuel Injected Chevrolet	1999-2000	73	Silverado Classic 1500	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2007	79
Sierra Classic K2500	350 CID (5.7L) Vortec 5700 L31/KL5 Chevrolet	1999-2000	73	Silverado Classic 1500	325 CID (5.3L) Vortec 5300 Chevrolet	2007	79
Sierra Classic K2500	395 CID/6468CC (6.5L) Chevrolet Diesel	1999-2000	101	Silverado Classic 1500	325 CID (5.3L) Vortec 5300 L59 Chevrolet	2007	79
Sierra Classic K2500	454 CID (7.4L) Chevrolet	1999-2000	108	Silverado Classic 1500HD	365 CID (6.0L) Vortec 6000 Chevrolet	2007	96

GENERAL MOTORS CORP. (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Silverado Classic 1500HD	365 CID (6.0L) Vortec 6000 LQ4 (KL5) Chevrolet	2007	96	Sonoma	262 CID (4.3L) Chevrolet	1991-1995	62
Silverado Classic 2500	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2007	79	Sonoma	262 CID (4.3L) Vortec 4300 Chevrolet	1992-2004	63
Silverado Classic 2500	325 CID (5.3L) Vortec 5300 Chevrolet	2007	79	Special	216 CID (3.5L) Chevrolet	1949-1952	50
Silverado Classic 2500HD	365 CID (6.0L) Vortec 6000 Chevrolet	2007	96	Special 150	235 CID (3.9L) Chevrolet	1953-1957	57
Silverado Classic 2500HD	365 CID (6.0L) Vortec 6000 LQ4 (KL5) Chevrolet	2007	96	Special 150	265 CID (4.3L) Chevrolet	1955-1957	75
Silverado Classic 2500HD	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2007	112	Special 150	283 CID (4.6L) Chevrolet	1957	77
Silverado Classic 3500	365 CID (6.0L) Vortec 6000 Chevrolet	2007	96	Special	198 CID (3.2L) Buick	1962-1963	45
Silverado Classic 3500	365 CID (6.0L) Vortec 6000 LQ4 (KL5) Chevrolet	2007	96	Special	215 CID (3.5L) Aluminum Block & Heads Buick	1961-1963	68
Silverado Classic 3500	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2007	112	Special	225 CID (3.7L) Buick	1964-1967	51
Skyhawk	110 CID (1.8L) LH8 OHC Pontiac	1982-1986	13	Special	250 CID (4.1L) Chevrolet	1968-1969	58
Skyhawk	110 CID (1.8L) LA5 OHC Turbo Pontiac	1984-1986	13	Special	264 CID (4.3L) Buick	1954-1955	74
Skyhawk	112 CID (1.8L) L46 Chevrolet	1982	16	Special	300 CID (4.9L) Buick	1964-1967	80
Skyhawk	121 CID (2.0L) LQ5 Chevrolet	1983-1986	21	Special	322 CID (5.3L) Buick	1956	74
Skyhawk	121 CID (2.0L) LR9 Chevrolet	1983-1984	21	Special	340 CID (5.6L) Buick	1966-1967	89
Skyhawk	121 CID (2.0L) LL8 Chevrolet	1987-1989	20	Special	350 CID (5.7L) Buick	1968-1969	91
Skyhawk	122 CID (2.0L) OHC Pontiac	1987-1988	23	Special	364 CID (6.0L) Buick	1957-1958	93
Skyhawk	122 CID (2.0L) OHC Turbo Pontiac	1987	23	Special Deluxe	216 CID (3.5L) Chevrolet	1940	50
Skyhawk	231 CID (3.8L) Carbureted Buick	1975-1980	54	Spectrum	92 CID (1.5L) LC5 Isuzu	1985-1988	5
Skylark	138 CID (2.3L) DOHC Oldsmobile	1988-1991	29	Spectrum	92 CID (1.5L) LC0 SOHC Isuzu	1986-1988	5
Skylark	138 CID (2.3L) L40 SOHC Oldsmobile	1992-1994	30	Sprint	61 CID (1.0L) LY9 Suzuki	1985-1988	1
Skylark	146 CID (2.4L) LD9 DOHC Oldsmobile	1996-1998	31	Sprint	61 CID (1.0L) LS3 Turbo Suzuki	1987-1991	1
Skylark	151 CID (2.5L) Carbureted Pontiac	1980-1983	32	Sprint	61 CID (1.0L) LP2 Suzuki	1989-1991	1
Skylark	151 CID (2.5L) Fuel Injected Pontiac	1982-1991	33	Sprint	250 CID (4.1L) Chevrolet	1971-1977	58
Skylark	173 CID (2.8L) Chevrolet	1980-1985	40	Sprint	305 CID (5.0L) Chevrolet	1976	73
Skylark	181 CID (3.0L) Buick	1985-1988	42	Sprint	307 CID (5.0L) Chevrolet	1971-1973	73
Skylark	189 CID (3.1L) Chevrolet	1994-1998	41	Sprint	350 CID (5.7L) Carbureted Chevrolet	1971-1977	73
Skylark	204 CID (3.3L) LG7 Buick	1989-1993	47	Sprint	400 CID (6.6L) Chevrolet	1974-1976	105
Skylark	215 CID (3.5L) Aluminum Block & Heads Buick	1961-1963	68	Sprint	402 CID (6.6L) Chevrolet	1971-1972	108
Skylark	225 CID (3.7L) Buick	1964-1967	51	Sprint	454 CID (7.4L) Chevrolet	1971-1975	108
Skylark	231 CID (3.8L) Carbureted Buick	1975-1987	54	Star Chief	287 CID (4.7L) Pontiac	1955	78
Skylark	250 CID (4.1L) Chevrolet	1968-1971	58	Star Chief	317 CID (5.2L) General Motors	1956	78
Skylark	260 CID (4.3L) LV8 Oldsmobile	1975-1976	72	Star Chief	347 CID (5.7L) General Motors	1957	78
Skylark	300 CID (4.9L) Buick	1964-1967	80	Star Chief	370 CID (6.1L) Pontiac	1958	78
Skylark	301 CID (4.9L) Pontiac	1977-1979	76	Star Chief	389 CID (6.4L) Pontiac	1960-1965	102
Skylark	305 CID (5.0L) Chevrolet	1977-1978	73	Star Chief	421 CID (6.9L) Pontiac	1963-1965	110
Skylark	322 CID (5.3L) Buick	1954	74	Star Chief Executive	389 CID (6.4L) Pontiac	1966	102
Skylark	340 CID (5.6L) Buick	1966-1967	89	Starfire	140 CID (2.3L) Chevrolet	1976-1977	22
Skylark	350 CID (5.7L) Oldsmobile	1977-1978	72	Starfire	151 CID (2.5L) Carbureted Pontiac	1978-1980	32
Skylark	350 CID (5.7L) Carbureted Chevrolet	1977-1979	73	Starfire	231 CID (3.8L) Carbureted Buick	1975-1980	54
Skylark	350 CID (5.7L) Buick	1968-1976	91	Starfire	305 CID (5.0L) Chevrolet	1977-1978	73
Skylark	400 CID (6.6L) Buick	1967-1969	104	Starfire	394 CID (6.5L) Oldsmobile	1961-1964	100
Skylark	401 CID (6.6L) Buick	1965-1966	107	Starfire	425 CID (7.0L) Oldsmobile	1965-1966	106
Skylark	455 CID (7.5L) Buick	1970-1971	104	Storm	98 CID (1.6L) LO1 SOHC Isuzu	1990-1993	10
Somerset	151 CID (2.5L) Fuel Injected Pontiac	1985-1987	33	Storm	98 CID (1.6L) LW0 DOHC Isuzu	1990-1991	10
Somerset	181 CID (3.0L) Buick	1985-1987	42	Storm	110 CID (1.8L) LV6 DOHC Isuzu	1992-1993	14
Sonoma	134 CID (2.2L) OHV Chevrolet	1994-2004	26	Stylemaster	216 CID (3.5L) Chevrolet	1946	50
Sonoma	151 CID (2.5L) Fuel Injected Pontiac	1991-1993	33	Stylus	1588CC (1.6L) 4XE1W DOHC Isuzu	1991-1992	10
Sonoma	173 CID (2.8L) Chevrolet	1991-1993	40	Stylus	1588CC (1.6L) 4XE1 (RLR) SOHC 12 Valve Isuzu	1991-1993	11
				Stylus	1809CC (1.8L) 4XF1 DOHC (RLX) Isuzu	1992-1993	14
				Suburban 1500	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2000-2001	79
				Suburban 1500	325 CID (5.3L) Vortec 5300 Chevrolet	2000-2004	79
				Suburban 1500	325 CID (5.3L) Vortec 5300 L59 Chevrolet	2002-2006	79
				Suburban 1500	365 CID (6.0L) Vortec 6000 Chevrolet	2006	96
				Suburban 2500	365 CID (6.0L) Vortec 6000 Chevrolet	2000-2006	96
				Suburban 2500	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2001-2006	112



GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Sunbird	110 CID (1.8L) LH8 OHC Pontiac	1986	13	TG50	478 CID (7.8L) General Motors Diesel	1967-1969	65
Sunbird	110 CID (1.8L) LA5 OHC Turbo Pontiac	1986	13	TG60	478 CID (7.8L) General Motors Diesel	1967-1969	65
Sunbird	121 CID (2.0L) LQ5 Chevrolet	1986	21	TG70	478 CID (7.8L) General Motors Diesel	1966	65
Sunbird	122 CID (2.0L) OHC Pontiac	1987-1994	23	TG5500	478 CID (7.8L) General Motors Diesel	1970-1972	65
Sunbird	122 CID (2.0L) OHC Turbo Pontiac	1987-1990	23	TG6000	478 CID (7.8L) General Motors Diesel	1973-1974	65
Sunbird	140 CID (2.3L) Chevrolet	1976-1977	22	TG7500	478 CID (7.8L) General Motors Diesel	1965-1969	65
Sunbird	151 CID (2.5L) Carbureted Pontiac	1977-1980	32	TG31303	292 CID (4.8L) Chevrolet	1976-1978	64
Sunbird	189 CID (3.1L) Chevrolet	1991-1994	41	TG31603	292 CID (4.8L) Chevrolet	1976-1978	64
Sunbird	231 CID (3.8L) Carbureted Buick	1976-1980	54	TJ70	637 CID (10.4L) D637 General Motors Diesel	1966-1968	113
Sunbird	305 CID (5.0L) Chevrolet	1978-1979	73	TJ70	637 CID (10.4L) DH637 General Motors Diesel	1966-1968	113
Sunburst	92 CID (1.5L) LC5 Isuzu	1985-1988	5	TJ7500	637 CID (10.4L) D637 General Motors Diesel	1966-1968	113
Sunburst	92 CID (1.5L) LC0 SOHC Isuzu	1987-1988	5	TJ9500	637 CID (10.4L) D637 General Motors Diesel	1966-1969	113
Sunfire	134 CID (2.2L) OHV Chevrolet	1995-2002	26	TM65	432 CID (7.1L) General Motors	1973-1974	66
Sunfire	134 CID (2.2L) L61 DOHC Ecotec General Motors	2002-2005	24	TM70	401 CID (6.6L) General Motors	1966-1968	65
Sunfire	138 CID (2.3L) DOHC Oldsmobile	1995	29	TM70	478 CID (7.8L) General Motors	1966-1968	65
Sunfire	146 CID (2.4L) LD9 DOHC Oldsmobile	1996-2002	31	TM75	432 CID (7.1L) General Motors	1973-1974	66
Super	322 CID (5.3L) Buick	1953-1956	74	TM80	401 CID (6.6L) General Motors	1966-1968	65
Super	364 CID (6.0L) Buick	1957-1958	93	TM80	432 CID (7.1L) General Motors	1973-1974	66
Super 88	303 CID (5.0L) Rocket V8 Oldsmobile	1951-1953	82	TM80	478 CID (7.8L) General Motors	1967-1974	65
Super 88	324 CID (5.3L) Rocket V8 Oldsmobile	1954-1956	82	TM5500	305 CID (5.0L) General Motors	1970-1972	65
Super 88	371 CID (6.1L) Oldsmobile	1957-1958	100	TM5500	351 CID (5.8L) General Motors	1970-1972	65
Super 88	394 CID (6.5L) Oldsmobile	1959-1964	100	TM6000	305 CID (5.0L) General Motors	1973-1974	65
Super Chief	347 CID (5.7L) General Motors	1957	78	TM6000	379 CID (6.2L) General Motors	1973-1974	66
Super Chief	370 CID (6.1L) Pontiac	1958	78	TM6500	351 CID (5.8L) General Motors	1970-1972	65
Syclone	262 CID (4.3L) LB4 (ZR9/Z79) Turbo Chevrolet	1991-1993	62	TM6500	379 CID (6.2L) General Motors	1973-1974	66
T50	230 CID (3.8L) Chevrolet	1965	43	TM6500	432 CID (7.1L) General Motors	1973-1974	66
T60	261 CID (4.3L) Chevrolet	1960-1962	61	TM7500	351 CID (5.8L) General Motors	1966-1970	65
T60	292 CID (4.8L) Chevrolet	1963-1966	64	TM7500	401 CID (6.6L) General Motors	1966-1972	65
T60	327 CID (5.4L) Chevrolet	1963-1966	86	TM7500	432 CID (7.1L) General Motors	1973-1974	66
T60	348 CID (5.7L) Chevrolet	1963-1965	90	TM7500	478 CID (7.8L) General Motors	1970-1974	65
T60	366 CID (6.0L) Chevrolet	1966	97	TM8500	351 CID (5.8L) General Motors	1966-1969	65
T70	348 CID (5.7L) Chevrolet	1960	90	TM8500	401 CID (6.6L) General Motors	1966-1969	65
T80	348 CID (5.7L) Chevrolet	1960-1965	90	TM8500	432 CID (7.1L) General Motors	1973-1974	66
T80	366 CID (6.0L) Chevrolet	1966	97	TM8500	478 CID (7.8L) General Motors	1965-1969	65
T80	409 CID (6.7L) Chevrolet	1962-1965	90	TS40	250 CID (4.1L) Chevrolet	1967-1968	58
T1000	98 CID (1.6L) Chevrolet	1981-1987	4	TS50	250 CID (4.1L) Chevrolet	1966	58
T5500	366 CID (6.0L) Chevrolet	1997-1998	97	TS5000	292 CID (4.8L) Chevrolet	1970-1971	64
T6500	366 CID (6.0L) Chevrolet	1997-1998	97	Tahoe	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2000-2006	79
T7500	366 CID (6.0L) Chevrolet	1997-1998	97	Tahoe	325 CID (5.3L) Vortec 5300 Chevrolet	2000-2006	79
T7500	366 CID (6.0L) Chevrolet	1997-1998	97	Tahoe	325 CID (5.3L) Vortec 5300 L59 Chevrolet	2002-2006	79
T8500	366 CID (6.0L) Chevrolet	1997-1998	97	Tahoe	350 CID (5.7L) Fuel Injected Chevrolet	1995-2000	73
TE50	327 CID (5.4L) Chevrolet	1967-1968	86	Tahoe	395 CID/6468CC (6.5L) Chevrolet Diesel	1995-1999	101
TE50	350 CID (5.7L) Carbureted Chevrolet	1969-1972	73	Tempest	121 CID (2.0L) LL8 Chevrolet	1987-1989	20
TE50	366 CID (6.0L) Chevrolet	1967-1972	97	Tempest	134 CID (2.2L) LM3 Chevrolet	1990-1991	20
TE60	350 CID (5.7L) Carbureted Chevrolet	1973-1978	73	Tempest	173 CID (2.8L) Chevrolet	1987-1989	40
TE60	366 CID (6.0L) Chevrolet	1967-1978	97	Tempest	189 CID (3.1L) Chevrolet	1990-1991	41
TE60	427 CID (7.0L) Chevrolet	1968-1972	97	Tempest	195 CID (3.2L) Pontiac	1961-1963	36
TE65	366 CID (6.0L) Chevrolet	1973-1978	97	Tempest	215 CID (3.5L) Aluminum Block & Heads Buick	1961-1963	68
TE65	427 CID (7.0L) Chevrolet	1973-1978	97	Tempest	215 CID (3.5L) Pontiac	1964-1965	43
TE90	637 CID (10.4L) OHV General Motors	1971-1972	113	Tempest	230 CID (3.8L) OHC Pontiac	1966-1967	53
TE5500	366 CID (6.0L) Chevrolet	1970-1972	97	Tempest	250 CID (4.1L) OHC Pontiac	1968-1969	53
TE6000	366 CID (6.0L) Chevrolet	1973-1978	97	Tempest	326 CID (5.3L) Pontiac	1963-1967	85
TE6500	366 CID (6.0L) Chevrolet	1970-1978	97	Tempest	350 CID (5.7L) Pontiac	1969-1970	85
TE6500	427 CID (7.0L) Chevrolet	1970-1978	97				
TE9500	637 CID (10.4L) OHV General Motors	1966-1972	113				



GENERAL MOTORS CORP. (Cont.)
MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Tempest	400 CID (6.6L) Pontiac	1970	85	V10 Suburban	379 CID (6.2L) Chevrolet Diesel	1987-1988	101
Tempest	421 CID (6.9L) Pontiac	1963	110	V20	262 CID (4.3L) Chevrolet	1987	62
Tempest LeMans	389 CID (6.4L) Pontiac	1964-1966	102	V20	292 CID (4.8L) Chevrolet	1987	64
Topkick C7500	496 CID/8135CC (8.1L) Vortec	2003-2008	112	V20	305 CID (5.0L) Chevrolet	1987	73
	8100 L18 OHV Chevrolet			V20	350 CID (5.7L) Carbureted	1987	73
Topkick C4500	403 CID/6599CC (6.6L) Duramax	2003-2004	109		Chevrolet		
	6600 LB7 OHV General Motors Diesel			V20	350 CID (5.7L) Fuel Injected	1987	73
Topkick C4500	403 CID/6599CC (6.6L) Duramax	2005-2007	109		Chevrolet		
	6600 LLY General Motors Diesel			V20	379 CID (6.2L) Chevrolet Diesel	1987	101
Topkick C4500	496 CID/8135CC (8.1L) Vortec	2003-2008	112	V20	454 CID (7.4L) Chevrolet	1987	108
	8100 L18 OHV Chevrolet			V20 Suburban	262 CID (4.3L) Chevrolet	1987-1988	62
Topkick C5500	366 CID (6.0L) Chevrolet	1997-1998	97	V20 Suburban	292 CID (4.8L) Chevrolet	1987-1988	64
Topkick C5500	403 CID/6599CC (6.6L) Duramax	2003-2004	109	V20 Suburban	305 CID (5.0L) Chevrolet	1987-1988	73
	6600 LB7 OHV General Motors Diesel			V20 Suburban	350 CID (5.7L) Carbureted	1987-1988	73
Topkick C5500	403 CID/6599CC (6.6L) Duramax	2005-2007	109		Chevrolet		
	6600 LLY General Motors Diesel			V20 Suburban	350 CID (5.7L) Fuel Injected	1987-1988	73
Topkick C5500	427 CID (7.0L) Chevrolet	1997-1998	97		Chevrolet		
Topkick C5500	454 CID (7.4L) Chevrolet	1999-2000	108	V20 Suburban	379 CID (6.2L) Chevrolet Diesel	1987-1988	101
Topkick C5500	454 CID (7.4L) LP4 Chevrolet	1999-2000	108	V20 Suburban	454 CID (7.4L) Chevrolet	1987-1988	108
Topkick C5500	496 CID/8135CC (8.1L) Vortec	2001-2008	112	V30	292 CID (4.8L) Chevrolet	1987-1988	64
	8100 L18 OHV Chevrolet			V30	305 CID (5.0L) Chevrolet	1987-1988	73
Topkick C6500	496 CID/8135CC (8.1L) Vortec	2003-2008	112		350 CID (5.7L) Carbureted	1987-1988	73
	8100 L18 OHV Chevrolet				Chevrolet		
Topkick C8500	366 CID (6.0L) Chevrolet	1997-1998	97	V30	350 CID (5.7L) Fuel Injected	1987-1988	73
Topkick C8500	427 CID (7.0L) Chevrolet	1997-1998	97		Chevrolet		
Topkick C8500	454 CID (7.4L) Chevrolet	1999-2000	108	V30	379 CID (6.2L) Chevrolet Diesel	1987-1988	101
Topkick C8500	454 CID (7.4L) LP4 Chevrolet	1999-2000	108	V30	454 CID (7.4L) Chevrolet	1987-1988	108
Topkick C8500	496 CID/8135CC (8.1L) Vortec	2001-2008	112	V60	478 CID (7.8L) General Motors Diesel	1965-1966	65
	8100 L18 OHV Chevrolet						
Toronado	231 CID (3.8L) Fuel Injected Buick	1986-1992	55	V1500 Suburban	350 CID (5.7L) Fuel Injected	1989-1991	73
Toronado	252 CID (4.1L) LC4 Buick	1981-1984	44		Chevrolet		
Toronado	307 CID (5.0L) Oldsmobile	1980-1985	83	V1500 Suburban	379 CID (6.2L) Chevrolet Diesel	1989-1991	101
Toronado	350 CID (5.7L) Oldsmobile	1979-1980	72		262 CID (4.3L) Chevrolet	1987	62
Toronado	350 CID (5.7L) Oldsmobile Diesel	1979-1985	71	V1500 Suburban	305 CID (5.0L) Chevrolet	1987	73
					350 CID (5.7L) Fuel Injected	1987-1991	73
Toronado	403 CID (6.6L) L80 Oldsmobile	1977-1978	92		Chevrolet		
Toronado	425 CID (7.0L) Oldsmobile	1966-1967	106	V1500 Suburban	379 CID (6.2L) Chevrolet Diesel	1987-1991	101
Toronado	455 CID (7.5L) Oldsmobile	1968-1975	106		262 CID (4.3L) Chevrolet	1987	62
Townsmen	235 CID (3.9L) Chevrolet	1954-1957	57	V1500	305 CID (5.0L) Chevrolet	1987	73
Townsmen	265 CID (4.3L) Chevrolet	1955-1957	75		350 CID (5.7L) Fuel Injected	1987	73
Townsmen	283 CID (4.6L) Chevrolet	1957	77		Chevrolet		
Tracker	97 CID (1.6L) LS5 8 Valve Suzuki	1989-1995	6	V1500	379 CID (6.2L) Chevrolet Diesel	1987	101
Tracker	97 CID (1.6L) LO1 16 Valve Suzuki	1994-2002	6		262 CID (4.3L) Chevrolet	1987	62
Trail Blazer	254 CID (4.2L) LL8 Vortec 4200 DOHC 24 Valve Chevrolet	2002-2008	59	V2500 Suburban	292 CID (4.8L) Chevrolet	1987-1988	64
Trail Blazer EXT	254 CID (4.2L) LL8 Vortec 4200 DOHC 24 Valve Chevrolet	2002-2006	59		305 CID (5.0L) Chevrolet	1987	73
Trail Blazer EXT	325 CID (5.3L) Vortec 5300 Chevrolet	2003-2004	79	V2500 Suburban	350 CID (5.7L) Carbureted	1987-1988	73
					Chevrolet		
Transmode	455 CID (7.5L) 455 Oldsmobile	1973-1978	106	V2500 Suburban	350 CID (5.7L) Fuel Injected	1987-1991	73
Transport	189 CID (3.1L) Chevrolet	1990-1995	41		379 CID (6.2L) Chevrolet Diesel	1987-1991	101
Transport	207 CID (3.4L) LA1 Chevrolet	1996-1998	41		454 CID (7.4L) Chevrolet	1987-1988	108
Transport	231 CID (3.8L) Fuel Injected Buick	1992-1995	55	V2500	262 CID (4.3L) Chevrolet	1987	62
					292 CID (4.8L) Chevrolet	1987	64
Typhoon	262 CID (4.3L) LB4 (ZR9/Z79) Turbo Chevrolet	1992-1993	62	V2500	305 CID (5.0L) Chevrolet	1987	73
					350 CID (5.7L) Carbureted	1987	73
V10	262 CID (4.3L) Chevrolet	1987	62		Chevrolet		
V10	305 CID (5.0L) Chevrolet	1987	73	V2500	350 CID (5.7L) Fuel Injected	1987	73
V10	350 CID (5.7L) Fuel Injected Chevrolet	1987	73		Chevrolet		
V10	379 CID (6.2L) Chevrolet Diesel	1987	101	V2500	379 CID (6.2L) Chevrolet Diesel	1987	101
V10 Suburban	262 CID (4.3L) Chevrolet	1987-1988	62		454 CID (7.4L) Chevrolet	1987	108
V10 Suburban	305 CID (5.0L) Chevrolet	1987-1988	73	V3000	305 CID (5.0L) General Motors	1960-1961	65
V10 Suburban	350 CID (5.7L) Fuel Injected Chevrolet	1987-1988	73	V3500	292 CID (4.8L) Chevrolet	1989	64
					350 CID (5.7L) Fuel Injected	1989-1991	73
					Chevrolet		
				V3500	379 CID (6.2L) Chevrolet Diesel	1989-1991	101
					454 CID (7.4L) Chevrolet	1989-1991	108



GENERAL MOTORS CORP. (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
V3500	292 CID (4.8L) Chevrolet	1987-1989	64	W550	370 CID (6.1L) General Motors	1957-1959	99
V3500	305 CID (5.0L) General Motors	1960-1961	65	W3500	365 CID (6.0L) Vortec 6000	2004-2008	96
V3500	305 CID (5.0L) Chevrolet	1987	73		Chevrolet		
V3500	350 CID (5.7L) Carbureted Chevrolet	1987-1988	73	W3500	365 CID (6.0L) Vortec 6000	2004-2008	96
					Chevrolet		
V3500	350 CID (5.7L) Fuel Injected Chevrolet	1987-1991	73	W4500	365 CID (6.0L) Vortec 6000	2004-2008	96
					Chevrolet		
V3500	379 CID (6.2L) Chevrolet Diesel	1987-1991	101	W4500	365 CID (6.0L) Vortec 6000	2004-2008	96
V3500	454 CID (7.4L) Chevrolet	1987-1991	108		Chevrolet		
V4000	351 CID (5.8L) General Motors	1960-1961	65	W5000	351 CID (5.8L) General Motors	1963-1965	65
V5000	401 CID (6.6L) General Motors	1960-1961	65	WA5000	351 CID (5.8L) General Motors	1960-1962	65
VUE	134 CID (2.2L) L61 DOHC Ecotec General Motors	2002-2007	24	WA5000	401 CID (6.6L) General Motors	1960-1962	65
				WA5500	401 CID (6.6L) General Motors	1960-1965	65
Vega	122 CID (2.0L) Chevrolet	1975-1976	22	WA6500	478 CID (7.8L) General Motors	1964-1965	65
Vega	140 CID (2.3L) Chevrolet	1971-1977	22	WE9500	637 CID (10.4L) OHV General Motors	1966-1969	113
Ventura	151 CID (2.5L) Carbureted Pontiac	1977	32				
				WJ9500	637 CID (10.4L) D637 General Motors Diesel	1966-1969	113
Ventura	231 CID (3.8L) Carbureted Buick	1977	54				
Ventura	250 CID (4.1L) Chevrolet	1973-1976	58	WM75	432 CID (7.1L) General Motors	1973-1974	66
Ventura	260 CID (4.3L) LV8 Oldsmobile	1975-1976	72	WM80	432 CID (7.1L) General Motors	1973-1974	66
Ventura	301 CID (4.9L) Pontiac	1977	76	WM80	478 CID (7.8L) General Motors	1967-1974	65
Ventura	305 CID (5.0L) Chevrolet	1977	73	WM7500	401 CID (6.6L) General Motors	1966-1972	65
Ventura	350 CID (5.7L) Oldsmobile	1977	72	WM7500	432 CID (7.1L) General Motors	1973-1974	66
Ventura	350 CID (5.7L) Carbureted Chevrolet	1977	73	WM7500	478 CID (7.8L) General Motors	1970-1974	65
				WM8500	401 CID (6.6L) General Motors	1966-1969	65
Ventura	350 CID (5.7L) Buick	1974-1976	91	WM8500	432 CID (7.1L) General Motors	1973-1974	66
Ventura	350 CID (5.7L) Pontiac	1973-1974	85	WM8500	478 CID (7.8L) General Motors	1965-1969	65
Ventura	389 CID (6.4L) Pontiac	1960-1961	102	WV5000	351 CID (5.8L) General Motors	1960-1962	65
Ventura II	250 CID (4.1L) Chevrolet	1971	58	WV5000	401 CID (6.6L) General Motors	1960-1962	65
Ventura II	307 CID (5.0L) Chevrolet	1971	73	WV5500	401 CID (6.6L) General Motors	1960-1965	65
Ventura II	350 CID (5.7L) Pontiac	1972	85	Wild Cat	401 CID (6.6L) Buick	1963-1966	107
Venture	207 CID (3.4L) LA1 Chevrolet	1997-2005	41	Wild Cat	425 CID (7.0L) Buick	1963-1966	107
Vista Cruiser	330 CID (5.4L) OHV Oldsmobile	1964-1967	87	Wild Cat	430 CID (7.0L) Buick	1967-1969	104
Vista Cruiser	350 CID (5.7L) Oldsmobile	1968-1975	72	Wild Cat	455 CID (7.5L) Buick	1970	104
Vista Cruiser	455 CID (7.5L) Oldsmobile	1971-1975	106	XLR	281 CID (4.6L) DOHC (Northstar) Cadillac	2004-2008	69
W4	350 CID (5.7L) Fuel Injected Chevrolet	1993-1999	73				
				Yeoman	235 CID (3.9L) Chevrolet	1958	57
W4	3856CC (3.9L) 4BD1T OHV Isuzu Diesel	1987-1991	37	Yeoman	283 CID (4.6L) Chevrolet	1958	77
W4	350 CID (5.7L) Fuel Injected Chevrolet	1993-1999	73	Yeoman	348 CID (5.7L) Chevrolet	1958	90
				Yukon	294 CID (4.8L) Vortec 4800 LR4	2000-2006	79
W4	3856CC (3.9L) 4BD1T OHV Isuzu Diesel	1987-1991	37				
W4	3856CC (3.9L) 4BD1T OHV Isuzu Diesel	1988-1991	37	Yukon	325 CID (5.3L) Vortec 5300	2000-2006	79
					Chevrolet		
W4	3856CC (3.9L) 4BD1T OHV Isuzu Diesel	1988-1991	37	Yukon	325 CID (5.3L) Vortec 5300 L59	2002-2006	79
					Chevrolet		
W6	350 CID (5.7L) Carbureted Chevrolet	1979-1980	73	Yukon	350 CID (5.7L) Fuel Injected Chevrolet	1992-2000	73
W6	366 CID (6.0L) Chevrolet	1979-1980	97	Yukon	365 CID (6.0L) Vortec 6000	1999-2006	96
W6	350 CID (5.7L) Carbureted Chevrolet	1979-1980	73		Chevrolet		
				Yukon	395 CID/6468CC (6.5L) Chevrolet Diesel	1992-1999	101
W6	366 CID (6.0L) Chevrolet	1979-1980	97				
W7	366 CID (6.0L) Chevrolet	1979-1980	97	Yukon XL 1500	325 CID (5.3L) Vortec 5300	2000-2005	79
W7	427 CID (7.0L) Chevrolet	1979-1980	97		Chevrolet		
W7	366 CID (6.0L) Chevrolet	1979-1980	97	Yukon XL 1500	325 CID (5.3L) Vortec 5300 L59	2002-2006	79
W7	427 CID (7.0L) Chevrolet	1979-1980	97		Chevrolet		
W450	302 CID (5.0L) OHV General Motors	1955-1959	52	Yukon XL 1500	365 CID (6.0L) Vortec 6000	2001-2006	96
					Chevrolet		
W450-30	302 CID (5.0L) OHV General Motors	1952-1954	52	Yukon XL 2500	365 CID (6.0L) Vortec 6000	2000-2006	96
					Chevrolet		
W550	324 CID (5.3L) OHV General Motors	1955-1956	84	Yukon XL 2500	496 CID/8135CC (8.1L) Vortec	2001-2006	112
					8100 L18 OHV Chevrolet		

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
2AW	3.625in./92.1mm	88	7H	3.625in./92.1mm	94	25AB	3.625in./92.1mm	88	32AL	3.625in./92.1mm	88
2B	3.625in./92.1mm	94	9T	3.625in./92.1mm	94	25AD	3.625in./92.1mm	88	35AL	3.625in./92.1mm	88
3B	3.625in./92.1mm	88	11H	3.625in./92.1mm	94	27AD	3.625in./92.1mm	88	39AM	3.625in./92.1mm	88
6BC	3.625in./92.1mm	88	14AL	3.625in./92.1mm	88	32AH	3.625in./92.1mm	88	43CE	3.625in./92.1mm	88



GENERAL MOTORS CORP. (Cont.)

CONNECTING ROD FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
49AT	3.625in./92.1mm	88	380283	3.385in./86mm	87	1162050	3.200in./81.3mm	74	3702448	3.938in./100mm	61
63	3.307in./84mm	70	380283	3.385in./86mm	72	1168325	3.200in./81.3mm	74	3703526	3.000in./76.2mm	75
099	3.622in./92mm	70	380283	3.385in./86mm	92	1173217	3.400in./86.4mm	93	3703526	3.000in./76.2mm	77
121	3.268in./83mm	79	380283	3.385in./86mm	71	1185487	3.640in./92.5mm	107	3703526	3.250in./82.6mm	86
143	3.622in./92mm	79	380283	3.385in./86mm	83	1186538	3.400in./86.4mm	93	3703526	3.000in./76.2mm	81
201	3.400in./86.4mm	51	380283	3.385in./86mm	60	1193339	2.800in./71.1mm	68	3703526	3.250in./82.6mm	73
201	3.400in./86.4mm	54	380383	3.385in./86mm	87	1240016	3.850in./97.8mm	89	3703527	3.000in./76.2mm	75
201	3.400in./86.4mm	44	380383	3.385in./86mm	72	1240016	3.850in./97.8mm	91	3703527	3.000in./76.2mm	77
201	3.400in./86.4mm	42	380383	3.385in./86mm	92	1241938	3.850in./97.8mm	89	3703527	3.250in./82.6mm	86
205	2.800in./71.1mm	68	380383	3.385in./86mm	71	1241938	3.850in./97.8mm	91	3703527	3.000in./76.2mm	81
220	3.400in./86.4mm	51	380383	3.385in./86mm	83	1343144	3.200in./81.3mm	74	3703527	3.250in./82.6mm	73
220	3.400in./86.4mm	54	380383	3.385in./86mm	60	1349431	3.200in./81.3mm	45	3732717	3.250in./82.6mm	90
220	3.400in./86.4mm	44	384759	4.250in./108mm	106	1357201	3.400in./86.4mm	51	3732717	3.500in./88.9mm	90
220	3.400in./86.4mm	42	397858	3.980in./101.1mm	106	1357201	3.400in./86.4mm	54	3784000	3.000in./76.2mm	75
222	4.060in./103.1mm	98	398410	3.385in./86mm	87	1357201	3.400in./86.4mm	44	3784000	3.000in./76.2mm	77
222	4.300in./109.2mm	98	398410	3.385in./86mm	72	1357201	3.400in./86.4mm	42	3784000	3.250in./82.6mm	86
324	3.000in./76.2mm	76	398410	3.385in./86mm	92	1357333	3.400in./86.4mm	51	3784000	3.000in./76.2mm	81
324	3.000in./76.2mm	32	398410	3.385in./86mm	71	1357333	3.400in./86.4mm	54	3784000	3.250in./82.6mm	73
351	3.850in./97.8mm	89	398410	3.385in./86mm	83	1357333	3.400in./86.4mm	44	3788435	3.250in./82.6mm	34
351	3.850in./97.8mm	91	398410	3.385in./86mm	60	1357333	3.400in./86.4mm	42	3788435	3.250in./82.6mm	43
408	2.660in./67.6mm	42	401406	3.980in./101.1mm	106	1373496	3.900in./99mm	104	3788435	3.531in./89.7mm	58
431	3.200in./81.3mm	45	401456	3.980in./101.1mm	106	1374562	3.850in./97.8mm	89	3788435	3.250in./82.6mm	53
461	2.660in./67.6mm	42	410997	3.385in./86mm	87	1374562	3.850in./97.8mm	91	3788435	3.531in./89.7mm	53
487	3.640in./92.5mm	107	410997	3.385in./86mm	72	1374563	3.850in./97.8mm	89	3788437	3.250in./82.6mm	43
494	3.640in./92.5mm	107	410997	3.385in./86mm	92	1374563	3.850in./97.8mm	91	3788437	3.531in./89.7mm	58
561	3.850in./97.8mm	89	410997	3.385in./86mm	71	1377248	3.400in./86.4mm	51	3788437	3.250in./82.6mm	53
561	3.850in./97.8mm	91	410997	3.385in./86mm	83	1377248	3.400in./86.4mm	80	3788437	3.531in./89.7mm	53
673	3.400in./86.4mm	51	410997	3.385in./86mm	60	1377248	3.400in./86.4mm	54	3789419	4.125in./104.8mm	64
673	3.400in./86.4mm	54	410999	3.980in./101.1mm	106	1377248	3.400in./86.4mm	44	3789422	4.125in./104.8mm	64
673	3.400in./86.4mm	44	418557	3.438in./87.3mm	82	1377248	3.400in./86.4mm	42	3795624	3.250in./82.6mm	90
673	3.400in./86.4mm	42	418557	3.438in./87.3mm	84	1385363	3.900in./99mm	104	3795624	3.500in./88.9mm	90
763	3.400in./86.4mm	51	499323	3.000in./76.2mm	32	2135419	4.000in./101.6mm	52	3815281	3.000in./76.2mm	75
763	3.400in./86.4mm	54	518114	3.250in./82.6mm	78	2341204	3.813in./96.9mm	52	3815281	3.000in./76.2mm	77
763	3.400in./86.4mm	44	518114	3.563in./90.5mm	78	2341204	4.000in./101.6mm	52	3815281	3.250in./82.6mm	86
763	3.400in./86.4mm	42	518115	3.563in./90.5mm	78	2389554	3.578in./90.8mm	65	3815281	3.000in./76.2mm	81
779	3.400in./86.4mm	51	528979	3.563in./90.5mm	78	2389554	3.578in./90.8mm	114	3815281	3.250in./82.6mm	73
779	3.400in./86.4mm	54	529007	3.750in./95.3mm	85	2434826	3.578in./90.8mm	65	3817209	2.593in./65.9mm	39
779	3.400in./86.4mm	44	529238	3.750in./95.3mm	36	2434826	3.578in./90.8mm	114	3817209	2.938in./74.6mm	39
779	3.400in./86.4mm	42	529238	3.750in./95.3mm	85	2448949	3.578in./90.8mm	65	3817294	2.593in./65.9mm	39
875	3.307in./84mm	70	529907	3.563in./90.5mm	78	2448949	3.859in./98mm	65	3817294	2.938in./74.6mm	39
942	3.850in./97.8mm	89	529907	3.750in./95.3mm	36	2448949	3.859in./98mm	66	3817297	2.593in./65.9mm	39
942	3.850in./97.8mm	91	529938	3.750in./95.3mm	85	2470891	3.578in./90.8mm	65	3817297	2.938in./74.6mm	39
0997	3.385in./86mm	87	532294	3.563in./90.5mm	78	2470891	3.578in./90.8mm	114	3819695	2.593in./65.9mm	39
0997	3.385in./86mm	72	532294	3.750in./95.3mm	36	2474281	3.578in./90.8mm	65	3819695	2.938in./74.6mm	39
0997	3.385in./86mm	92	532294	3.750in./95.3mm	85	2474281	3.578in./90.8mm	114	3835184	3.750in./95.3mm	50
0997	3.385in./86mm	71	541000	3.750in./95.3mm	36	2474281	3.859in./98mm	65	3835184	3.938in./100mm	57
0997	3.385in./86mm	83	541000	3.750in./95.3mm	85	2474281	3.859in./98mm	66	3835274	3.750in./95.3mm	50
0997	3.385in./86mm	60	544956	3.750in./95.3mm	36	2477425	3.578in./90.8mm	65	3835274	3.938in./100mm	57
1491	3.938in./100mm	57	544956	3.750in./95.3mm	85	2477425	3.578in./90.8mm	114	3835324	3.750in./95.3mm	50
1491	3.938in./100mm	61	555645	3.438in./87.3mm	82	2484084	3.859in./98mm	65	3835324	3.938in./100mm	57
3217	3.400in./86.4mm	93	555645	3.438in./87.3mm	84	2484084	3.859in./98mm	113	3835609	3.750in./95.3mm	50
5487	3.640in./92.5mm	107	559360	3.438in./87.3mm	82	2484084	3.859in./98mm	66	3835609	3.938in./100mm	57
6410	3.938in./100mm	57	559360	3.438in./87.3mm	84	3185281	3.250in./82.6mm	86	3836410	3.938in./100mm	57
6410	3.938in./100mm	61	559361	3.438in./87.3mm	82	3185281	3.250in./82.6mm	73	3836410	3.938in./100mm	61
6538	3.400in./86.4mm	93	559361	3.438in./87.3mm	84	3508419	3.625in./92.1mm	88	3836456	3.938in./100mm	57
8389	3.750in./95.3mm	50	568815	3.688in./93.7mm	100	3508991	3.625in./92.1mm	88	3836456	3.938in./100mm	61
8436	3.250in./82.6mm	34	568815	3.688in./93.7mm	99	3509004	3.625in./92.1mm	88	3836671	3.938in./100mm	57
8436	3.250in./82.6mm	43	574545	3.688in./93.7mm	100	3509547	3.625in./92.1mm	88	3836671	3.938in./100mm	61
8436	3.250in./82.6mm	53	574545	3.688in./93.7mm	99	3510082	3.625in./92.1mm	94	3836964	3.938in./100mm	57
8436	3.531in./89.7mm	53	575001	3.688in./93.7mm	100	3511503	3.875in./98.4mm	103	3836964	3.938in./100mm	61
9420	4.125in./104.8mm	64	575001	3.688in./93.7mm	99	3513058	3.875in./98.4mm	103	3837149	3.250in./82.6mm	34
9558	3.750in./95.3mm	50	580255	3.688in./93.7mm	100	3513058	4.000in./101.6mm	111	3837419	3.250in./82.6mm	34
278410A	3.898in./99mm	109	580255	3.688in./93.7mm	99	3633111	4.060in./103.1mm	98	3837419	3.250in./82.6mm	43
380282	3.385in./86mm	87	585470	3.688in./93.7mm	100	3633111	4.300in./109.2mm	98	3837419	3.531in./89.7mm	58
380282	3.385in./86mm	72	585470	3.688in./93.7mm	99	3701491	3.938in./100mm	57	3837419	3.250in./82.6mm	53
380282	3.385in./86mm	92	838389	3.750in./95.3mm	50	3701491	3.938in./100mm	61	3837419	3.531in./89.7mm	53
380282	3.385in./86mm	71	838389	3.938in./100mm	57	3701890	3.750in./95.3mm	50	3837686	3.250in./82.6mm	90
380282	3.385in./86mm	83	839558	3.750in./95.3mm	50	3701890	3.938in./100mm	57	3837686	3.500in./88.9mm	90
380282	3.385in./86mm	60	839558	3.938in./100mm	57	3702448	3.938in./100mm	57	3856239	3.766in./95.7mm	97



GENERAL MOTORS CORP. (Cont.)

CONNECTING ROD FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3856239	4.000in./101.6mm	108	3933174	4.000in./101.6mm	108	5150059	4.000in./101.6mm	52	9793328	3.531in./89.7mm	53
3856239	3.766in./95.7mm	108	3933174	3.766in./95.7mm	108	6107428	3.813in./96.9mm	52	14018716	2.913in./74mm	16
3856240	3.766in./95.7mm	97	3946841	3.484in./88.5mm	73	6107428	4.000in./101.6mm	52	25509405	3.400in./86.4mm	51
3856240	4.000in./101.6mm	108	3951629	3.750in./95.3mm	105	6255633	4.000in./101.6mm	52	25509405	3.400in./86.4mm	54
3856240	3.766in./95.7mm	108	3977110	3.250in./82.6mm	43	6255633	2.593in./65.9mm	39	25509405	3.400in./86.4mm	44
3892671	3.484in./88.5mm	73	3977110	3.531in./89.7mm	58	6255633	2.938in./74.6mm	39	25509405	3.400in./86.4mm	42
3916396	3.484in./88.5mm	73	3977110	3.625in./92.1mm	22	9793328	3.250in./82.6mm	43	B7B	2.800in./71.1mm	68
3923282	3.484in./88.5mm	73	5121248	4.500in./114.3mm	2	9793328	3.531in./89.7mm	58	YC115	3.250in./82.6mm	78
3933174	3.766in./95.7mm	97	5150059	3.813in./96.9mm	52	9793328	3.250in./82.6mm	53	ZN115	3.563in./90.5mm	78

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
0-191561	3.500in./88.9mm	90	11M-14	2.992in./76mm	4	390	3.000in./76.2mm	32	4672	3.250in./82.6mm	73
1.9	3.484in./88.5mm	62	017	3.000in./76.2mm	32	390	3.000in./76.2mm	33	4813	3.750in./95.3mm	85
1.9	3.150in./80mm	20	017	3.000in./76.2mm	33	404	2.660in./67.6mm	42	5607	2.938in./74.6mm	39
1A	3.228in./82mm	19	17M	2.992in./76mm	4	407N	2.598in./66mm	4	6223	3.766in./95.7mm	97
1AA	3.228in./82mm	19	30R	3.250in./82.6mm	73	407N	3.031in./77mm	8	6223	3.766in./95.7mm	108
2 MAE	3.228in./82mm	19	30R	3.150in./80mm	21	504	2.992in./76mm	40	6764	3.000in./76.2mm	75
2MAE	3.228in./82mm	19	31-87	3.250in./82.6mm	73	504	2.992in./76mm	41	6764	3.000in./76.2mm	77
2NABC	3.250in./82.6mm	73	31-87	3.150in./80mm	21	508E-6303	3.438in./87.3mm	82	6764	3.000in./76.2mm	81
2NABC	3.150in./80mm	21	31M	3.250in./82.6mm	73	684	3.000in./76.2mm	32	7115	3.766in./95.7mm	97
2Y68-76	3.250in./82.6mm	73	31M	3.150in./80mm	21	684	3.000in./76.2mm	33	7115	3.766in./95.7mm	108
2Y68-76	3.150in./80mm	21	40F	2.598in./66mm	4	726N	3.484in./88.5mm	46	7184N	2.992in./76mm	4
3A	2.972in./75.5mm	3	40F	3.031in./77mm	8	726N	3.484in./88.5mm	62	7243N	3.150in./80mm	21
3AC	2.972in./75.5mm	3	45-T	2.598in./66mm	4	726N	3.484in./88.5mm	63	7243N	3.031in./77mm	1
3AH	2.972in./75.5mm	3	45-T	3.031in./77mm	8	732	2.660in./67.6mm	42	7248N	3.150in./80mm	21
3B	2.972in./75.5mm	3	74TM	3.150in./80mm	21	771	3.000in./76.2mm	32	7293	2.938in./74.6mm	39
3E	2.972in./75.5mm	3	74TM	3.031in./77mm	1	771	3.000in./76.2mm	33	7416	4.000in./101.6mm	108
3H	2.972in./75.5mm	3	76TM	3.150in./80mm	21	777	3.000in./76.2mm	32	8409	2.593in./65.9mm	39
003K	3.484in./88.5mm	62	76TM	3.031in./77mm	1	777	3.000in./76.2mm	33	8424	3.250in./82.6mm	43
003K	3.150in./80mm	20	77A	3.150in./80mm	21	817	2.992in./76mm	41	8424	3.250in./82.6mm	53
3KC	2.972in./75.5mm	3	77A	3.031in./77mm	1	0819	3.500in./88.9mm	90	8705N	2.913in./74mm	16
003N	3.484in./88.5mm	62	78TM	3.150in./80mm	21	851M	3.150in./80mm	20	8767	2.660in./67.6mm	42
003N	3.150in./80mm	20	78TM	3.031in./77mm	1	981	3.307in./84mm	41	9115	3.766in./95.7mm	97
3SF	2.972in./75.5mm	3	78TM-CA	3.150in./80mm	21	1130	3.250in./82.6mm	86	9115	3.766in./95.7mm	108
3YA	2.598in./66mm	4	78TM-CA	3.031in./77mm	1	1130	3.250in./82.6mm	73	9116N	2.598in./66mm	4
3YA	3.031in./77mm	8	81-K	3.150in./80mm	21	1140N	2.992in./76mm	4	9166N	3.031in./77mm	1
4A	2.598in./66mm	4	81-K	3.031in./77mm	1	1174N	3.484in./88.5mm	62	12231	3.578in./90.8mm	65
4A	3.031in./77mm	8	82TM	3.150in./80mm	20	1174N	3.150in./80mm	20	13111-03010-D	2.992in./76mm	4
4AC	2.598in./66mm	4	82TM-HAA	3.150in./80mm	20	1178	3.000in./76.2mm	75	020201A1	3.484in./88.5mm	62
4AC	3.031in./77mm	8	86TM-BA	3.150in./80mm	20	1178	3.000in./76.2mm	77	020201A1	3.150in./80mm	20
4AL	2.598in./66mm	4	88TM-BA	3.150in./80mm	20	1178	3.250in./82.6mm	86	90003C	3.150in./80mm	20
4AL	3.031in./77mm	8	90-21-0	3.031in./77mm	1	1178	3.000in./76.2mm	81	97954	3.750in./95.3mm	85
4XC-U	3.438in./87.3mm	82	90TM-AA	3.031in./77mm	1	1178	3.250in./82.6mm	73	103427	3.750in./95.3mm	85
4XC-UT	3.438in./87.3mm	82	90TM-AB	3.031in./77mm	1	1182	3.250in./82.6mm	86	135411	3.484in./88.5mm	46
4XCU	3.438in./87.3mm	82	91A-6303-A	3.031in./77mm	1	1182	3.484in./88.5mm	73	135411	3.484in./88.5mm	62
4XCUT	3.438in./87.3mm	82	91A-6303-B	3.031in./77mm	1	1354N	3.484in./88.5mm	46	135411	3.484in./88.5mm	63
4ZE1	3.438in./87.3mm	82	91H-6303-B	3.031in./77mm	1	1354N	3.484in./88.5mm	62	230276	3.385in./86mm	87
5 E	3.438in./87.3mm	82	91K	3.031in./77mm	1	1354N	3.484in./88.5mm	63	230276	3.385in./86mm	72
6-H	3.150in./80mm	21	91TM-AA	3.031in./77mm	1	2670	3.150in./80mm	13	230276	3.385in./86mm	92
6-H	3.031in./77mm	1	96TM-AA	3.622in./92mm	28	2680	3.250in./82.6mm	86	230276	3.385in./86mm	71
6M	3.150in./80mm	21	97TM-	3.622in./92mm	28	2680	3.250in./82.6mm	73	230276	3.385in./86mm	83
6M	3.031in./77mm	1	140N	2.992in./76mm	4	2690	3.484in./88.5mm	73	230276	3.385in./86mm	60
7HA	3.150in./80mm	21	143	3.484in./88.5mm	46	3278N	3.150in./80mm	21	230277	3.400in./86.4mm	51
7HA	3.031in./77mm	1	143	3.484in./88.5mm	62	3279	3.000in./76.2mm	75	230277	3.400in./86.4mm	54
7HA-6303	3.150in./80mm	21	143	3.484in./88.5mm	63	3279	3.000in./76.2mm	77	230277	3.400in./86.4mm	44
7HA-6303	3.031in./77mm	1	147	3.484in./88.5mm	46	3279	3.250in./82.6mm	86	230277	3.400in./86.4mm	42
8F28	3.150in./80mm	20	147	3.484in./88.5mm	62	3279	3.000in./76.2mm	81	230278	3.400in./86.4mm	51
8HA	3.150in./80mm	20	147	3.484in./88.5mm	63	3279	3.250in./82.6mm	73	230278	3.400in./86.4mm	54
8HA-6303	3.150in./80mm	20	176H	2.992in./76mm	4	3281N	3.250in./82.6mm	73	230278	3.400in./86.4mm	44
8MTH	3.150in./80mm	20	188A	3.228in./82mm	19	3281N	3.150in./80mm	21	230278	3.400in./86.4mm	42
09N	3.484in./88.5mm	62	202B	3.228in./82mm	19	3521	4.000in./101.6mm	108	230331	4.250in./108mm	106
09N	3.150in./80mm	20	264	2.992in./76mm	40	4196N	2.598in./66mm	4	230376	3.385in./86mm	87
10-B	3.484in./88.5mm	62	264	2.992in./76mm	41	4196N	3.031in./77mm	8	230376	3.385in./86mm	72
10-B	3.150in./80mm	20	275	2.660in./67.6mm	42	4577	3.250in./82.6mm	86	230376	3.100in./78.7mm	73
11M	2.992in./76mm	4	0363	4.125in./104.8mm	64	4577	3.250in./82.6mm	73	230376	3.385in./86mm	92
11M	3.484in./88.5mm	62	381	3.000in./76.2mm	32	4653	4.125in./104.8mm	64	230376	3.385in./86mm	71
11M	3.150in./80mm	20	381	3.000in./76.2mm	33	4672	3.250in./82.6mm	86	230376	3.385in./86mm	83



GENERAL MOTORS CORP. (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
230376	3.385in./86mm	60	398261	3.385in./86mm	87	565699	3.438in./87.3mm	84	1257125	3.400in./86.4mm	42
230377	4.250in./108mm	106	398261	3.385in./86mm	72	565699	3.688in./93.7mm	100	1260718	3.850in./97.8mm	89
230378	3.400in./86.4mm	51	398261	3.385in./86mm	92	565699	3.688in./93.7mm	99	1260718	3.850in./97.8mm	91
230378	4.250in./108mm	106	398261	3.385in./86mm	71	567405	3.438in./87.3mm	82	1260877	3.400in./86.4mm	51
230378	3.400in./86.4mm	54	398261	3.385in./86mm	83	567405	3.438in./87.3mm	84	1260877	3.400in./86.4mm	54
230378	3.400in./86.4mm	44	398261	3.385in./86mm	60	567943	3.438in./87.3mm	82	1260877	3.400in./86.4mm	44
230378	3.400in./86.4mm	42	398621	3.385in./86mm	87	567943	3.438in./87.3mm	84	1260877	3.400in./86.4mm	42
230905	3.385in./86mm	87	398621	3.385in./86mm	72	568812	3.688in./93.7mm	100	1261119	3.850in./97.8mm	89
230905	3.385in./86mm	72	398621	3.385in./86mm	92	568812	3.688in./93.7mm	99	1261119	3.850in./97.8mm	91
230905	3.385in./86mm	92	398621	3.385in./86mm	71	574440	3.688in./93.7mm	100	1261438	3.400in./86.4mm	51
230905	3.385in./86mm	71	398621	3.385in./86mm	83	574440	3.688in./93.7mm	99	1261438	3.400in./86.4mm	54
230905	3.385in./86mm	83	398621	3.385in./86mm	60	574544	3.688in./93.7mm	100	1261438	3.400in./86.4mm	44
230905	3.385in./86mm	60	400934	4.250in./108mm	106	574544	3.688in./93.7mm	99	1261438	3.400in./86.4mm	42
230907	4.250in./108mm	106	403707	4.250in./108mm	106	577440	3.688in./93.7mm	100	1261787	3.400in./86.4mm	51
230908	4.250in./108mm	106	405954	4.250in./108mm	106	577440	3.688in./93.7mm	99	1261787	3.400in./86.4mm	54
306275	3.484in./88.5mm	73	418882	3.385in./86mm	87	582740	3.688in./93.7mm	100	1261787	3.400in./86.4mm	44
306276	3.484in./88.5mm	73	418882	3.385in./86mm	72	582740	3.688in./93.7mm	99	1261787	3.400in./86.4mm	42
310514	3.484in./88.5mm	73	418882	3.385in./86mm	92	582746	3.688in./93.7mm	100	1342999	3.200in./81.3mm	74
329880N	3.250in./82.6mm	73	418882	3.385in./86mm	71	582746	3.688in./93.7mm	99	1349429	3.200in./81.3mm	45
329880N	3.150in./80mm	21	418882	3.385in./86mm	83	584722	3.980in./101.1mm	106	1349929	3.200in./81.3mm	45
353039	4.000in./101.6mm	108	418882	3.385in./86mm	60	651827	3.578in./90.8mm	65	1357898	3.400in./86.4mm	51
354431	3.100in./78.7mm	73	460407	3.531in./89.7mm	58	672016	3.859in./98mm	65	1357898	3.400in./86.4mm	54
359730	4.000in./101.6mm	108	460407	3.531in./89.7mm	53	672016	3.859in./98mm	66	1357898	3.400in./86.4mm	44
378354	3.400in./86.4mm	51	477440	3.688in./93.7mm	100	839111	3.750in./95.3mm	50	1357898	3.400in./86.4mm	42
378354	3.400in./86.4mm	54	477440	3.688in./93.7mm	99	839750	3.938in./100mm	57	1357899	3.400in./86.4mm	80
378354	3.400in./86.4mm	44	480407	3.531in./89.7mm	58	839775	3.750in./95.3mm	50	1361798	3.640in./92.5mm	107
378354	3.400in./86.4mm	42	481379	3.750in./95.3mm	85	883550	4.000in./101.6mm	52	1375802	3.385in./86mm	87
381269	3.385in./86mm	87	481380	3.750in./95.3mm	85	887652N	3.150in./80mm	20	1375802	3.385in./86mm	72
381269	3.385in./86mm	72	493654	3.750in./95.3mm	85	1173217	3.400in./86.4mm	93	1375802	3.385in./86mm	92
381269	3.385in./86mm	92	496452	3.750in./95.3mm	36	1173341	3.400in./86.4mm	93	1375802	3.385in./86mm	71
381269	3.385in./86mm	71	496452	3.750in./95.3mm	85	1185539	3.640in./92.5mm	107	1375802	3.385in./86mm	83
381269	3.385in./86mm	83	496453	4.000in./101.6mm	110	1186538	3.400in./86.4mm	93	1375802	3.385in./86mm	60
381269	3.385in./86mm	60	499311	3.000in./76.2mm	32	1193645	2.800in./71.1mm	68	1375809	3.850in./97.8mm	89
381919	3.385in./86mm	87	518047	3.250in./82.6mm	78	1235413	3.160in./80.3mm	47	1375809	3.850in./97.8mm	91
381919	3.385in./86mm	72	521601	3.250in./82.6mm	78	1235419	3.385in./86mm	87	1378350	3.400in./86.4mm	80
381919	3.385in./86mm	92	521602	3.250in./82.6mm	78	1235419	3.850in./97.8mm	89	1378351	3.400in./86.4mm	51
381919	3.385in./86mm	71	523206	3.563in./90.5mm	78	1235419	3.385in./86mm	72	1378351	3.400in./86.4mm	54
381919	3.385in./86mm	83	525887	3.000in./76.2mm	76	1235419	3.850in./97.8mm	91	1378351	3.400in./86.4mm	44
381919	3.385in./86mm	60	528527	3.563in./90.5mm	78	1235419	3.385in./86mm	92	1378351	3.400in./86.4mm	42
384722	3.980in./101.1mm	106	530048	3.563in./90.5mm	78	1235419	3.385in./86mm	71	1378354	3.400in./86.4mm	51
388766	3.385in./86mm	87	531369	3.563in./90.5mm	78	1235419	3.385in./86mm	83	1378354	3.400in./86.4mm	54
388766	3.385in./86mm	72	531369	3.750in./95.3mm	85	1235419	3.385in./86mm	60	1378354	3.400in./86.4mm	44
388766	3.385in./86mm	92	539000	3.750in./95.3mm	36	1254083	3.400in./86.4mm	51	1378354	3.400in./86.4mm	42
388766	3.385in./86mm	71	539732	3.750in./95.3mm	36	1254083	3.400in./86.4mm	54	1378436	3.850in./97.8mm	89
388766	3.385in./86mm	83	541585	3.750in./95.3mm	85	1254083	3.400in./86.4mm	44	1378436	3.850in./97.8mm	91
388766	3.385in./86mm	60	542239	3.750in./95.3mm	36	1254083	3.400in./86.4mm	42	1379242	3.900in./99mm	104
390275	3.385in./86mm	87	542990	4.000in./101.6mm	110	1255645	3.400in./86.4mm	51	1396294	3.640in./92.5mm	107
390275	3.385in./86mm	72	544100	3.750in./95.3mm	36	1255645	3.400in./86.4mm	54	1398346	3.385in./86mm	87
390275	3.385in./86mm	92	544191	3.750in./95.3mm	85	1255645	3.400in./86.4mm	44	1398346	3.385in./86mm	72
390275	3.385in./86mm	71	555638	3.438in./87.3mm	82	1255645	3.400in./86.4mm	42	1398346	3.385in./86mm	92
390275	3.385in./86mm	83	555699	3.438in./87.3mm	82	1255646	3.400in./86.4mm	51	1398346	3.385in./86mm	71
390275	3.385in./86mm	60	556607	3.385in./86mm	87	1255646	3.400in./86.4mm	54	1398346	3.385in./86mm	83
390370	3.980in./101.1mm	106	556607	3.385in./86mm	72	1255646	3.400in./86.4mm	44	1398346	3.385in./86mm	60
391101A	3.250in./82.6mm	86	556607	3.385in./86mm	92	1255646	3.400in./86.4mm	42	1455101	3.625in./92.1mm	88
391101A	3.250in./82.6mm	73	556607	3.385in./86mm	71	1255674	3.400in./86.4mm	51	1462473	3.625in./92.1mm	88
393654	3.385in./86mm	87	556607	3.385in./86mm	83	1255674	3.400in./86.4mm	54	1463340	3.625in./92.1mm	94
393654	3.385in./86mm	72	556607	3.385in./86mm	60	1255674	3.400in./86.4mm	44	1463473	3.625in./92.1mm	88
393654	3.385in./86mm	92	559432	3.438in./87.3mm	82	1255674	3.400in./86.4mm	42	1467292	4.060in./103.1mm	98
393654	3.385in./86mm	71	559432	3.438in./87.3mm	84	1255846	3.400in./86.4mm	51	1467925	3.875in./98.4mm	103
393654	3.385in./86mm	83	561656	3.438in./87.3mm	82	1255846	3.400in./86.4mm	54	1469263	3.875in./98.4mm	103
393654	3.385in./86mm	60	561656	3.438in./87.3mm	84	1255846	3.400in./86.4mm	44	1469265	3.875in./98.4mm	103
395654	3.385in./86mm	87	562746	3.688in./93.7mm	100	1255846	3.400in./86.4mm	42	1477634	3.875in./98.4mm	103
395654	3.385in./86mm	72	562746	3.688in./93.7mm	99	1255862	3.400in./86.4mm	51	1481021	4.000in./101.6mm	111
395654	3.385in./86mm	92	565524DYNA	3.438in./87.3mm	82	1255862	3.400in./86.4mm	54	1481267	4.000in./101.6mm	111
395654	3.385in./86mm	71	565624	3.438in./87.3mm	82	1255862	3.400in./86.4mm	44	1486340	4.000in./101.6mm	111
395654	3.385in./86mm	83	565624	3.438in./87.3mm	84	1255862	3.400in./86.4mm	42	1486424	4.060in./103.1mm	98
395654	3.385in./86mm	60	565624DYNA	3.438in./87.3mm	82	1257125	3.400in./86.4mm	51	1488340	4.000in./101.6mm	111
397303	4.250in./108mm	106	565624DYNA	3.438in./87.3mm	84	1257125	3.400in./86.4mm	54	1495094	4.300in./109.2mm	98
397363	4.250in./108mm	106	565699	3.438in./87.3mm	82	1257125	3.400in./86.4mm	44	1495095	4.300in./109.2mm	98



GENERAL MOTORS CORP. (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1496793	4.300in./109.2mm	98	3727499	3.000in./76.2mm	81	3838266	3.000in./76.2mm	75	3941180	3.766in./95.7mm	97
1609142R	4.060in./103.1mm	98	3729449	3.000in./76.2mm	75	3838266	3.000in./76.2mm	77	3941180	3.766in./95.7mm	108
1617590	3.307in./84mm	70	3729449	3.000in./76.2mm	77	3838266	3.000in./76.2mm	81	3941184	3.484in./88.5mm	73
1629091	3.307in./84mm	70	3729449	3.000in./76.2mm	81	3838396	3.500in./88.9mm	90	3942411	3.766in./95.7mm	97
1646737	3.307in./84mm	70	3732444	3.484in./88.5mm	73	3849847	3.000in./76.2mm	75	3942411	3.766in./95.7mm	108
1802224C92	2.992in./76mm	4	3732692	3.250in./82.6mm	90	3849847	3.000in./76.2mm	77	3951528	3.750in./95.3mm	105
1802224C93	2.992in./76mm	4	3733223	3.250in./82.6mm	90	3849847	3.000in./76.2mm	81	3951529D	3.750in./95.3mm	105
1803420C1	2.992in./76mm	4	3733226	3.250in./82.6mm	90	3855914	4.125in./104.8mm	64	3962523	4.000in./101.6mm	108
1805420C1	2.992in./76mm	4	3734627	3.000in./76.2mm	75	3855914	3.531in./89.7mm	58	3963523	4.000in./101.6mm	108
1805420C1	3.228in./82mm	19	3734627	3.000in./76.2mm	77	3855914	3.531in./89.7mm	53	3963524	4.000in./101.6mm	108
1809954C1	3.228in./82mm	19	3734627	3.000in./76.2mm	81	3855914N	4.125in./104.8mm	64	3967463	4.000in./101.6mm	108
1812320C91	3.228in./82mm	19	3735236	3.000in./76.2mm	75	3863144	3.766in./95.7mm	97	3975945	4.000in./101.6mm	108
1816975C1	3.228in./82mm	19	3735236	3.000in./76.2mm	77	3863144	3.766in./95.7mm	108	3977109	3.625in./92.1mm	22
2090911	4.000in./101.6mm	52	3735236	3.000in./76.2mm	81	3864465	3.250in./82.6mm	43	3994226	3.625in./92.1mm	22
2135416	4.000in./101.6mm	52	3741640	3.250in./82.6mm	90	3864465	3.250in./82.6mm	53	3994227	3.625in./92.1mm	22
2136119	4.000in./101.6mm	52	3741642	3.250in./82.6mm	90	3874874	3.766in./95.7mm	97	4568749	3.484in./88.5mm	73
2144958	3.813in./96.9mm	52	3770324	3.938in./100mm	57	3874874	3.766in./95.7mm	108	4993111	3.000in./76.2mm	32
2191127	3.813in./96.9mm	52	3770324	3.938in./100mm	61	3876764	3.000in./76.2mm	75	4993111	3.000in./76.2mm	33
2192941	4.000in./101.6mm	52	3770327	3.938in./100mm	57	3876764	3.000in./76.2mm	77	5116022	4.500in./114.3mm	2
2194012	4.000in./101.6mm	52	3770327	3.938in./100mm	61	3876764	3.000in./76.2mm	81	5116029	4.500in./114.3mm	2
2194570	4.000in./101.6mm	52	3782680	3.250in./82.6mm	86	3876768	3.000in./76.2mm	75	5132942	4.000in./101.6mm	52
2194958	4.000in./101.6mm	52	3782690	3.250in./82.6mm	86	3876768	3.000in./76.2mm	77	5743013	3.250in./82.6mm	43
2253120	3.346in./85mm	29	3788072	3.500in./88.9mm	90	3876768	3.000in./76.2mm	81	5743014	3.250in./82.6mm	34
2253120	3.346in./85mm	30	3788423	3.250in./82.6mm	43	3876802	3.531in./89.7mm	58	5782680	3.250in./82.6mm	86
2342204	4.000in./101.6mm	52	3788423	3.250in./82.6mm	53	3876802	3.531in./89.7mm	53	6107432	3.813in./96.9mm	52
2342664	4.000in./101.6mm	52	3788424	3.250in./82.6mm	43	3876804	3.531in./89.7mm	58	6116028	4.500in./114.3mm	2
2362229	4.000in./101.6mm	52	3788424	3.250in./82.6mm	53	3876840	3.531in./89.7mm	58	6255607	2.593in./65.9mm	39
2364417	3.578in./90.8mm	65	3788428	3.250in./82.6mm	43	3876840	3.531in./89.7mm	53	8877367	3.859in./98mm	65
2366209	3.578in./90.8mm	65	3788428	3.250in./82.6mm	53	3879412	4.125in./104.8mm	64	8877367	3.859in./98mm	66
2366210	3.578in./90.8mm	114	3788522	3.250in./82.6mm	34	3882841	3.750in./95.3mm	105	9770488	4.000in./101.6mm	110
2367417	3.578in./90.8mm	65	3789412	4.125in./104.8mm	64	3882842	3.766in./95.7mm	97	9773382	3.750in./95.3mm	36
2404929	4.000in./101.6mm	52	3793080	3.250in./82.6mm	34	3882842	3.766in./95.7mm	108	9773382	3.750in./95.3mm	85
2419583	3.859in./98mm	65	3793082	3.250in./82.6mm	34	3882847	3.766in./95.7mm	97	9773383	3.750in./95.3mm	85
2419583	3.859in./98mm	66	3793082N	3.250in./82.6mm	34	3882847	3.766in./95.7mm	108	9773384	4.000in./101.6mm	110
2454001	3.578in./90.8mm	65	3795589	3.500in./88.9mm	90	3882848	3.766in./95.7mm	97	9773524	3.750in./95.3mm	36
2454017	3.578in./90.8mm	65	3804816	3.766in./95.7mm	97	3882848	3.766in./95.7mm	108	9773524	3.750in./95.3mm	85
2454066	3.859in./98mm	113	3804816	3.766in./95.7mm	108	3882849	3.766in./95.7mm	97	9773573	3.750in./95.3mm	85
2454191	3.578in./90.8mm	65	3815822	3.250in./82.6mm	86	3882849	3.766in./95.7mm	108	9782279	3.250in./82.6mm	43
2454192	3.578in./90.8mm	65	3817293	2.593in./65.9mm	39	3884653	4.125in./104.8mm	64	9782297	3.250in./82.6mm	43
2475494	3.578in./90.8mm	65	3820618	3.250in./82.6mm	43	3886061	4.125in./104.8mm	64	9782297	3.250in./82.6mm	53
2475793	3.578in./90.8mm	65	3820618	3.250in./82.6mm	53	3887114	3.766in./95.7mm	97	9782646	3.750in./95.3mm	85
2475794	3.578in./90.8mm	65	3824544	3.250in./82.6mm	90	3887114	3.766in./95.7mm	108	9782769	4.000in./101.6mm	110
2475795	3.578in./90.8mm	65	3824553	3.250in./82.6mm	90	3899424	3.250in./82.6mm	43	9782770	3.750in./95.3mm	85
2475796	3.578in./90.8mm	65	3824554	3.500in./88.9mm	90	3904815	3.766in./95.7mm	97	9783785	3.750in./95.3mm	85
2491012	4.000in./101.6mm	52	3826271	3.938in./100mm	57	3904815	3.766in./95.7mm	108	9783786	3.750in./95.3mm	85
2566209	3.578in./90.8mm	65	3828409	2.938in./74.6mm	39	3904816	3.766in./95.7mm	97	9783787	4.000in./101.6mm	110
2774220	4.125in./104.8mm	64	3829027	3.500in./88.9mm	90	3904816	3.766in./95.7mm	108	9790154	3.531in./89.7mm	58
2774220N	4.125in./104.8mm	64	3832442	3.484in./88.5mm	73	3910362	4.125in./104.8mm	64	9793573	3.750in./95.3mm	36
2867417	3.578in./90.8mm	65	3835236TG	3.000in./76.2mm	75	3910363	4.125in./104.8mm	64	9793573	3.750in./95.3mm	85
3298880N	4.125in./104.8mm	64	3835236TG	3.000in./76.2mm	77	3911000	3.250in./82.6mm	86	9794054	3.750in./95.3mm	85
3299990	4.125in./104.8mm	64	3835236TG	3.000in./76.2mm	81	3911000	3.250in./82.6mm	73	9795479	3.750in./95.3mm	85
3299990N	4.125in./104.8mm	64	3835271	3.750in./95.3mm	50	3911001	3.250in./82.6mm	86	9799103	4.210in./106.9mm	110
3509574	3.622in./92.1mm	88	3835311	3.938in./100mm	57	3911001	3.250in./82.6mm	73	12552216	3.622in./92mm	79
3520090	3.622in./92mm	70	3835501	3.938in./100mm	57	3911011	3.250in./82.6mm	86	12553482	3.268in./83mm	79
3660345	3.938in./100mm	57	3835709	3.938in./100mm	57	3911011	3.250in./82.6mm	73	14018705	2.913in./74mm	16
3701486	3.938in./100mm	57	3835709PG	3.938in./100mm	57	3912335	3.484in./88.5mm	73	14024236	3.819in./97mm	101
3701486	3.938in./100mm	61	3836144	3.766in./95.7mm	97	3914681	3.250in./82.6mm	86	25505554	3.400in./86.4mm	51
3701488	3.938in./100mm	57	3836144	3.766in./95.7mm	108	3914681	3.250in./82.6mm	73	25505554	3.400in./86.4mm	54
3701488	3.938in./100mm	61	3836236	3.000in./76.2mm	75	3914682	3.250in./82.6mm	86	25505554	3.400in./86.4mm	44
3701488-A	3.938in./100mm	57	3836236	3.000in./76.2mm	77	3914682	3.250in./82.6mm	73	25505554	3.400in./86.4mm	42
3701488-A	3.938in./100mm	61	3836236	3.000in./76.2mm	81	3923278	3.000in./76.2mm	81	25506397	3.400in./86.4mm	51
3701894	3.938in./100mm	57	3836266	3.000in./76.2mm	75	3930809	3.250in./82.6mm	86	25506397	3.400in./86.4mm	54
3701894	3.938in./100mm	61	3836266	3.000in./76.2mm	77	3930809	3.250in./82.6mm	73	25506397	3.400in./86.4mm	44
3726271	3.750in./95.3mm	50	3836266	3.000in./76.2mm	81	3932444	3.484in./88.5mm	73	25506397	3.400in./86.4mm	42
3727449	3.000in./76.2mm	75	3836271	3.750in./95.3mm	50	3941172	3.250in./82.6mm	86	25506818	3.400in./86.4mm	51
3727449	3.000in./76.2mm	77	3837266	3.000in./76.2mm	75	3941172	3.250in./82.6mm	73	25506818	3.400in./86.4mm	54
3727449	3.000in./76.2mm	81	3837266	3.000in./76.2mm	77	3941174	3.250in./82.6mm	86	25506818	3.400in./86.4mm	44
3727499	3.000in./76.2mm	75	3837266	3.000in./76.2mm	81	3941174	3.250in./82.6mm	73	25506818	3.400in./86.4mm	42
3727499	3.000in./76.2mm	77	3837466	3.500in./88.9mm	90	3941176	3.000in./76.2mm	81	25509404	3.400in./86.4mm	51



GENERAL MOTORS CORP. (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
25509404	3.400in./86.4mm	54	25520329	3.400in./86.4mm	42	BP	3.228in./82mm	17	N353039	4.000in./101.6mm	108
25509404	3.400in./86.4mm	44	90156143	3.150in./80mm	13	C2OZ-B	3.385in./86mm	23	N853039	4.000in./101.6mm	108
25509404	3.400in./86.4mm	42	210008832	3.540in./89.9mm	18	C3AF-N	3.385in./86mm	23	N853638	4.000in./101.6mm	108
25514290	3.400in./86.4mm	51	A1D	3.622in./92mm	28	C3OE-B	3.385in./86mm	23	O-191561	3.500in./88.9mm	90
25514290	3.400in./86.4mm	54	A301	3.622in./92mm	28	C3OZ	3.385in./86mm	23	OK	3.543in./90mm	6
25514290	3.400in./86.4mm	44	A-6303	3.622in./92mm	28	C3OZ-B	3.385in./86mm	23	P	3.938in./100mm	57
25514290	3.400in./86.4mm	42	A-6303-A	3.622in./92mm	28	E	3.228in./82mm	17	P	3.938in./100mm	61
25520329	3.400in./86.4mm	51	AD	3.622in./92mm	28	K-101	3.031in./77mm	1	R9028036	3.385in./86mm	23
25520329	3.400in./86.4mm	54	AY	3.622in./92mm	28	K-N	3.543in./90mm	6	R90280395	3.385in./86mm	23
25520329	3.400in./86.4mm	44	B301	3.622in./92mm	28	KN	3.543in./90mm	6	R90280399	3.385in./86mm	23

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

3 CYL

1	61 CID (1.0L) LP2 Suzuki 3 Cyl (1989-2000)				2.913in./74mm x 3.031in./77mm				1
	61 CID (1.0L) LS3 Turbo Suzuki Turbocharged 3 Cyl (1987-1991)				2.913in./74mm x 3.031in./77mm				
	61 CID (1.0L) LY9 Suzuki 3 Cyl (1985-1988)				2.913in./74mm x 3.031in./77mm				
Rod Bearing(3)	AL-3	CB-1401AL	STD.,25mm.,50mm.,75mm		1.6535/1.6543	0.0008/0.0027	0.0587	1.7717/1.7724	0.7130
Main Bearing Set 1-2-3-4	AL-3	MS-1708AL MB-3172AL	STD.,25mm.,50mm		1.7717/1.7724	0.0008/0.0027	0.0787	1.9291/1.9298	0.7080
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-455S									
Thrust Washer Set		TW-455S MB-3172W	STD		2.0472			2.6772	0.0990
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1708AL									
C/S Forging	6M, 6-H, 77A, 7HA, 91K, 74TM, 76TM, 78TM, 81-K, 7243N, 9166N, K-101, 78TM-CA, 90-21-0, 90TM-AA, 90TM-AB, 91TM-AA, 7HA-6303, 91A-6303-A, 91A-6303-B, 91H-6303-B								
Connecting Rod	24 To 27 Lbs.Ft.								
Main Bearing	36 To 41 Lbs.Ft.								

2	159 CID (2.6L) 3-53 Detroit Diesel Supercharged Diesel 3 Cyl (1967-1968)				3.875in./98.4mm x 4.500in./114.3mm				2
Rod Bearing(3)	TM-112	CB-1265P	STD,10,20,30,40		2.4990/2.5000	0.0020/0.0050	0.1250	2.7515/2.7525	1.3200
Main Bearing(4)	TM-112	MB-1897P	STD,10,20,30		2.9990/3.0000	0.0013/0.0043	0.1250	3.2510/3.2520	1.1850
Thrust Washer Set		TW-412S MB-2522W	STD		3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MB-1897P									
Cam Bearing Set	C-1	SH-699S	STD						
1-3		SH-686			2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100
2		SH-687			2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings									
Piston Pin Bushing(3)	C-1	223-3622	STD				0.1225	1.6005/1.6010	0.7550
NOTE: Requires Boring									
Rod Forging	5121248								
C/S Forging	5116022, 5116029, 6116028								
Connecting Rod	40 To 45 Lbs.Ft.								
Main Bearing	120 To 130 Lbs.Ft.								

4 CYL

3	79 CID (1.3L) L72 SOHC Suzuki 4 Cyl (1992-1997)				2.913in./74mm x 2.972in./75.5mm				3
	79 CID (1.3L) LY8 Suzuki 4 Cyl (1998-1999)				2.913in./74mm x 2.972in./75.5mm				
Rod Bearing(4)	AL-3	CB-1401AL	STD.,25mm.,50mm.,75mm		1.6535/1.6543	0.0008/0.0027	0.0587	1.7717/1.7724	0.7130
Main Bearing Set 1-2-3-4-5	AL-3	MS-1779AL MB-3172AL	STD.,25mm.,50mm		1.7717/1.7724	0.0008/0.0027	0.0787	1.9291/1.9298	0.7080
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-455S									
Thrust Washer Set		TW-455S MB-3172W	STD		2.0472			2.6772	0.0990
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1779AL									
C/S Forging	3A, 3B, 3E, 3H, 3AC, 3AH, 3KC, 3SF								
Connecting Rod	24 To 27 Lbs.Ft.								
Main Bearing	37 To 41 Lbs.Ft.								
4	85 CID (1.4L) LX3 Chevrolet 4 Cyl (1976-1977)				3.228in./82mm x 2.598in./66mm				4
	98 CID (1.6L) Chevrolet 4 Cyl (1976-1987)				3.228in./82mm x 2.992in./76mm				
Rod Bearing(4)	TM-77	CB-1216AL	STD.,25mm.,50mm.,75mm		1.8094/1.8104	0.0014/0.0035	0.0589	1.9290/1.9296	0.7500



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
4 (Cont.)	85 CID (1.4L) LX3 Chevrolet 4 Cyl (1976-1977)			3.228in./82mm x 2.598in./66mm				4 (Cont.)
	98 CID (1.6L) Chevrolet 4 Cyl (1976-1987)			3.228in./82mm x 2.992in./76mm				
Main Bearing Set 1-2-3-4	TM-77	MS-1424AL	STD.,.25mm,.50mm	2.0078/2.0088	0.0009/0.0035	0.0777	2.1648/2.1658	0.7080
5		MB-2737AL		2.0074/2.0084	0.0016/0.0042	0.0778	2.1648/2.1658	0.9410
		MB-2738AL(F)						
C/S Forging	4A, 11M, 17M, 3YA, 40F, 4AC, 4AL, 140N, 176H, 407N, 45-T, 1140N, 4196N, 7184N, 9116N, 11M-14, 1803420C1, 1805420C1, 1802224C92, 1802224C93, 13111-03010-D							
Connecting Rod	37 Lbs.Ft.	(85 CID (1.4L) 98 CID (1.6L) 1976-1977						
Connecting Rod	40 Lbs.Ft.	(85 CID (1.4L) 98 CID (1.6L) 1978-1987						
Main Bearing	46 Lbs.Ft.	(85 CID (1.4L) 98 CID (1.6L) 1976-1977						
Main Bearing	50 Lbs.Ft.	(85 CID (1.4L) 98 CID (1.6L) 1978-1987						
5	92 CID (1.5L) LC0 SOHC Isuzu Turbocharged 4 Cyl (1986-1988)			3.031in./77mm x 3.110in./79mm				5
	92 CID (1.5L) LC5 Isuzu 4 Cyl (1985-1989)			3.031in./77mm x 3.110in./79mm				
Rod Bearing(4)	TM-1	CB-1478P	STD.,.25mm,.50mm	1.5726/1.5734	0.0008/0.0025	0.0591	1.6922/1.6929	0.6690
Main Bearing Set 1-2-3-4-5	AL-3	MS-1776AL	STD.,.25mm,.50mm,.75mm	1.8873/1.8881	0.0008/0.0029	0.0787	2.0463/2.0472	0.6690
		MB-3150AL						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-453S								
Thrust Washer Set		TW-453S	STD	2.1654			2.7559	0.0870
		MB-3150W						
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1776AL								
Connecting Rod	24 To 27 Lbs.Ft. (1985-1987)							
Main Bearing	61 To 69 Lbs.Ft.							
6	97 CID (1.6L) LO1 16 Valve Suzuki 4 Cyl (1994-2002)			2.953in./75mm x 3.543in./90mm				6
	97 CID (1.6L) LS5 8 Valve Suzuki 4 Cyl (1989-1995)			2.953in./75mm x 3.543in./90mm				
Rod Bearing(4)	AL-3	CB-1477AL	STD.,.25mm,.50mm,.75mm	1.7316/1.7325	0.0008/0.0031	0.0591	1.8504/1.8513	0.7130
Main Bearing Set 1-2-3-4-5	AL-3	MS-1820AL	STD.,.25mm,.50mm,.75mm	2.0468/2.0472	0.0012/0.0025	0.0792	2.2047/2.2054	0.7130
		MB-3209AL						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-478S								
Thrust Washer Set		TW-478S	STD	2.3327/2.3333			2.9531	0.0990
		MB-3209W						
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1820AL								
C/S Forging	KN, OK, K-N							
Connecting Rod	24 To 27 Lbs.Ft.							
Main Bearing	37 To 41 Lbs.Ft.							
7	98 CID (1.6L) L73 Daewoo 4 Cyl (1988-1993)			3.110in./79mm x 3.228in./82mm				7
Rod Bearing(4)	AL-3	CB-1451AL	STD.,.25mm,.50mm	1.6918/1.6924	0.0005/0.0020	0.0590	1.8110/1.8115	0.6550
Main Bearing Set 1-2-4-5	AL-3	MS-1801AL	STD.,.25mm,.50mm	2.1642/2.1648	0.0001/0.0025	0.0780	2.3228/2.3233	0.7700
3		MB-3166AL		2.1642/2.1648	0.0001/0.0025	0.0780	2.3228/2.3233	1.0200
		MB-3167AL(F)						
NOTE: .25mm Undersize Set Contains .20mm Oversize Length Flanged Bearing,.50mm Undersize Set Contains .40mm Oversize Length Flanged Bearing								
Connecting Rod	18 Lbs.Ft. Plus 30 Degrees							
Main Bearing	37 To 44 Lbs.Ft. Plus 45 To 60 Degrees							
8	98 CID (1.6L) LC9 SOHC Toyota 4 Cyl (1985-1988)			3.189in./81mm x 3.031in./77mm				8
Rod Bearing(4)	TM-1	CB-1361P	STD.,.25mm,.50mm,.75mm	1.5742/1.5748	0.0007/0.0032	0.0586	1.6928/1.6938	0.6730
Main Bearing Set 1-2-3-4-5	AL-3	MS-2211AL	STD.,.25mm,.50mm,.75mm	1.8892/1.8898	0.0007/0.0033	0.0789	2.0480/2.0492	0.7874
		MB-3764AL						
NOTE: Contains Partial Grooved Main Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S								
Thrust Washer Set		TW-401S	STD	2.1102/2.1220			2.5827/2.5945	0.0980
		MB-2965W(L)		2.1102/2.1220			2.5827/2.5945	0.0980
		MB-2965W(U)						
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2211AL								
C/S Forging	4A, 3YA, 40F, 4AC, 4AL, 407N, 45-T, 4196N							
Connecting Rod	36 Lbs.Ft.							
Main Bearing	44 Lbs.Ft.							
9	98 CID (1.6L) LO1 DOHC Toyota 4 Cyl (1989-1997)			3.189in./81mm x 3.031in./77mm				9
	98 CID (1.6L) LW0 DOHC Toyota 4 Cyl (1988-1992)			3.189in./81mm x 3.031in./77mm				
Rod Bearing(4)	TM-1	CB-1474P	STD.,.25mm,.50mm	1.6529/1.6535	0.0008/0.0032	0.0587	1.7717/1.7726	0.6690



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
9	98 CID (1.6L) LO1 DOHC Toyota 4 Cyl (1989-1997)			3.189in./81mm x 3.031in./77mm				9
(Cont.)	98 CID (1.6L) LW0 DOHC Toyota 4 Cyl (1988-1992)			3.189in./81mm x 3.031in./77mm				(Cont.)
Main Bearing Set 1-2-3-4-5	AL-3	MS-2211AL MB-3764AL	STD.,25mm.,50mm.,75mm	1.8892/1.8898	0.0007/0.0033	0.0789	2.0480/2.0492	0.7874
NOTE: Contains Partial Grooved Main Bearings, Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S								
Thrust Washer Set		TW-401S MB-2965W(L) MB-2965W(U)	STD	2.1102/2.1220 2.1102/2.1220			2.5827/2.5945 2.5827/2.5945	0.0980 0.0980
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2211AL								
Connecting Rod	36 Lbs.Ft.							
Main Bearing	44 Lbs.Ft.							
10	98 CID (1.6L) LO1 SOHC Isuzu 4 Cyl (1990-1993)			3.150in./80mm x 3.110in./79mm				10
	98 CID (1.6L) LW0 DOHC Isuzu 4 Cyl (1990-1991)			3.150in./80mm x 3.110in./79mm				
	1588CC (1.6L) 4XE1W DOHC Isuzu 4 Cyl (1989-1991)			3.150in./80mm x 3.110in./79mm				
Rod Bearing(4)	TM-1	CB-1478P	STD.,25mm.,50mm	1.5726/1.5734	0.0008/0.0025	0.0591	1.6922/1.6929	0.6690
Main Bearing Set 1-2-3-4-5	AL-3	MS-1776AL MB-3150AL	STD.,25mm.,50mm.,75mm	1.8873/1.8881	0.0008/0.0029	0.0787	2.0463/2.0472	0.6690
NOTE: Thru 5/90, Requires Thrust Washer Set, Not Included, Use With Part Number TW-453S								
Thrust Washer Set		TW-453S MB-3150W	STD	2.1654			2.7559	0.0870
NOTE: Thru 5/90, Contains 2 Pieces, Position Number 3, Use With Part Number MS-1776AL								
Thrust Washer Set		TW-595S MB-3481W	STD	2.3228			2.9016	0.0870
NOTE: From 6/90, Contains 2 Pieces, Position Number 3								
Connecting Rod	24 To 27 Lbs.Ft.							
Main Bearing	61 To 69 Lbs.Ft.							
11	1588CC (1.6L) 4XE1 (RLR) SOHC 12 Valve Isuzu 4 Cyl (1991-1993)			3.150in./80mm x 3.110in./79mm				11
	1588CC (1.6L) 4XE1WT DOHC Turbo Isuzu Turbocharged 4 Cyl (1991-1992)			3.150in./80mm x 3.110in./79mm				
Rod Bearing(4)	TM-1	CB-1478P	STD.,25mm.,50mm	1.5726/1.5734	0.0008/0.0025	0.0591	1.6922/1.6929	0.6690
Thrust Washer Set		TW-595S MB-3481W	STD	2.3228			2.9016	0.0870
NOTE: Contains 2 Pieces, Position Number 3								
Connecting Rod	24 To 27 Lbs.Ft.							
Main Bearing	61 To 69 Lbs.Ft.							
12	108 CID (1.8L) LV6 DOHC Toyota 4 Cyl (1993-1999)			3.189in./81mm x 3.602in./91.5mm				12
Rod Bearing(4)	AL-3	CB-1786AL	STD.,25mm.,50mm	1.8892/1.8898	0.0008/0.0026	0.0587	2.0075/2.0079	0.6693
Main Bearing Set 1-2-3-4-5	AL-3	MS-2211AL MB-3764AL	STD.,25mm.,50mm.,75mm	1.8892/1.8898	0.0007/0.0033	0.0789	2.0480/2.0492	0.7874
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S								
Thrust Washer Set		TW-401S MB-2965W(L) MB-2965W(U)	STD	2.1102/2.1220 2.1102/2.1220			2.5827/2.5945 2.5827/2.5945	0.0980 0.0980
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2211AL								
13	110 CID (1.8L) LA5 OHC Turbo Pontiac Turbocharged 4 Cyl (1984-1986)			3.339in./84.8mm x 3.150in./80mm				13
	110 CID (1.8L) LH8 OHC Pontiac 4 Cyl (1982-1986)			3.339in./84.8mm x 3.150in./80mm				
Rod Bearing(4)	TM-77	CB-1175AL	STD.,25mm.,50mm.,75mm	1.9280/1.9286	0.0010/0.0029	0.0590	2.0472/2.0477	0.7600
Main Bearing Set 1-2-4-5	TM-1	MS-2068P MB-2791P	STD.,25mm.,50mm	2.2828/2.2833	0.0009/0.0025	0.0780	2.4409/2.4415	0.7580
3		MB-3565P(F)		2.2828/2.2833	0.0009/0.0025	0.0780	2.4409/2.4415	1.0190
C/S Forging 2670, 90156143								
Connecting Rod	39 Lbs.Ft.							
Main Bearing	57 Lbs.Ft.							
14	110 CID (1.8L) LV6 DOHC Isuzu 4 Cyl (1992-1993)			3.150in./80mm x 3.543in./90mm				14
	1809CC (1.8L) 4XF1 DOHC (RLX) Isuzu 4 Cyl (1992-1993)			3.150in./80mm x 3.543in./90mm				
Thrust Washer Set		TW-595S MB-3481W	STD	2.3228			2.9016	0.0870
NOTE: Contains 2 Pieces, Position Number 3								



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
14 (Cont.)	110 CID (1.8L) LV6 DOHC Isuzu 4 Cyl (1992-1993)			3.150in./80mm x 3.543in./90mm				14 (Cont.)
	1809CC (1.8L) 4XF1 DOHC (RLX) Isuzu 4 Cyl (1992-1993)			3.150in./80mm x 3.543in./90mm				
Connecting Rod	27 To 40 Lbs.Ft.							
Main Bearing	33 To 40 Lbs.Ft.							
15	111 CID (1.8L) LJ5 SOHC Isuzu Diesel 4 Cyl (1981-1986)			3.307in./84mm x 3.228in./82mm				15
Rod Bearing(4)	TM-1	CB-1449P	STD,.50mm	1.9264/1.9268	0.0014/0.0029	0.0596	2.0464/2.0472	0.8710
Main Bearing Set	TM-1	MS-1669P	STD					
1-2-4-5		MB-3051P		2.2010/2.2020	0.0011/0.0028	0.0792	2.3614/2.3622	0.9060
3		MB-3052P		2.2010/2.2020	0.0011/0.0028	0.0792	2.3614/2.3622	0.9060
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								
Thrust Washer Set		TW-451S	STD					
		MB-3061W		2.5197			3.1575	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1669P								
Connecting Rod	58 To 65 Lbs.Ft.							
Main Bearing	72 To 80 Lbs.Ft.							
16	112 CID (1.8L) L46 Chevrolet 4 Cyl (1982)			3.504in./89mm x 2.913in./74mm				16
Rod Bearing(4)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-1524P	STD,10,20,30					
1-2-3		MB-2854P		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.7420
4		MB-2855P(F)		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.9420
5		MB-2856P		2.4937/2.4946	0.0014/0.0043	0.0955	2.6870/2.6880	0.8300
Cam Bearing Set	AL-3	SH-1365S	STD					
1		SH-1365		1.8677/1.8697	0.0015/0.0041	0.0742	2.0190/2.0200	0.6340
2-5		SH-1364		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
3-4		SH-1363		1.8677/1.8697	0.0015/0.0041	0.0640	1.9990/2.0010	0.6940
Rod Forging	14018716							
C/S Forging	8705N, 14018705							
Connecting Rod	34 To 40 Lbs.Ft.							
Main Bearing	63 To 74 Lbs.Ft.							
17	1817CC (1.8L) SOHC Isuzu 4 Cyl (1972-1982)			3.307in./84mm x 3.228in./82mm				17
Rod Bearing(4)	TM-77	CB-1654P	STD,.25mm,.50mm,.75mm,1.00mm	1.9262/1.9268	0.0012/0.0040	0.0596	2.0466/2.0472	0.8460
Main Bearing Set	TM-1	MS-1298G	STD,.25mm,.50mm,.75mm,1.00mm					
1-3-5		MB-974G		2.2016/2.2022	0.0009/0.0039	0.0596	2.3220/2.3228	1.2600
2-4		MB-975G		2.2016/2.2022	0.0009/0.0039	0.0596	2.3220/2.3228	0.8270
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								
Thrust Washer Set		TW-451S	STD					
		MB-3061W		2.5197			3.1575	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1298G								
Balance Shaft Bearing Set	B-1	SH-1190S	STD					
1-2-3		SH-1190		1.7695/1.7706	0.0011/0.0059	0.0593	1.8900/1.8910	0.9840
NOTE: 1972-1975								
Piston Pin Bushing(4)		223-3549	STD	0.8666		0.0678	1.0008	1.0240
NOTE: 1972-1975								
C/S Forging	E, BP							
Connecting Rod	33 Lbs.Ft. (1976-1982)							
Connecting Rod	43 Lbs.Ft. (1972-1975)							
Main Bearing	72 Lbs.Ft.							
18	116 CID (1.9L) DOHC,SOHC Saturn 4 Cyl (1991-2002)			3.230in./82mm x 3.540in./89.9mm				18
Rod Bearing(4)	TM-77	CB-1623P	STD,.25mm,.50mm	1.8500/1.8508	0.0005/0.0021	0.0626	1.9761/1.9766	0.8000
Main Bearing Set	TM-77	MS-2009P	STD,.25mm,.50mm					
1-2-4-5		MB-3468P		2.2438/2.2443	0.0005/0.0019	0.0783	2.4013/2.4018	0.7210
3		MB-3469P(F)		2.2438/2.2443	0.0005/0.0019	0.0783	2.4013/2.4018	0.9205
Piston Pin Bushing(4)	C-1	223-3649	STD					
NOTE: Requires Light Reaming								
C/S Forging	210008832							
Connecting Rod	31 Lbs.Ft.							
Main Bearing	37 Lbs.Ft.							



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
19	119 CID (1.9L) LR1 SOHC Isuzu 4 Cyl (1982-1985)				3.425in./87mm x 3.228in./82mm			19
Rod Bearing(4)	TM-77	CB-1654P	STD,.25mm,.50mm,.75mm,1.00mm	1.9262/1.9268	0.0012/0.0040	0.0596	2.0466/2.0472	0.8460
Main Bearing Set	TM-1	MS-1298G	STD,.25mm,.50mm,.75mm,1.00mm					
1-3-5		MB-974G		2.2016/2.2022	0.0009/0.0039	0.0596	2.3220/2.3228	1.2600
2-4		MB-975G		2.2016/2.2022	0.0009/0.0039	0.0596	2.3220/2.3228	0.8270
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								
Thrust Washer Set		TW-451S	STD					
		MB-3061W		2.5197			3.1575	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1298G								
C/S Forging	1A, 1AA, 188A, 202B, 2MAE, 2 MAE, 1805420C1, 1809954C1, 1816975C1, 1812320C91							
Connecting Rod	43 Lbs.Ft.							
Main Bearing	72 Lbs.Ft.							
20	121 CID (2.0L) LL8 Chevrolet 4 Cyl (1987-1989)				3.504in./89mm x 3.150in./80mm			20
	134 CID (2.2L) LM3 Chevrolet 4 Cyl (1990-1991)				3.504in./89mm x 3.465in./88mm			
Rod Bearing(4)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-1704P	STD,10,20,30					
1-2-3-5		MB-2854P		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.7420
4		MB-2883P(F)		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.9420
Cam Bearing Set	AL-3	SH-1365S	STD					
1		SH-1365		1.8677/1.8697	0.0015/0.0041	0.0742	2.0190/2.0200	0.6340
2-5		SH-1364		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
3-4		SH-1363		1.8677/1.8697	0.0015/0.0041	0.0640	1.9990/2.0010	0.6940
C/S Forging 09N, 1.9, 11M, 8HA, 003K, 003N, 10-B, 82TM, 851M, 8F28, 8MTH, 1174N, 90003C, 86TM-BA, 887652N, 88TM-BA, 020201A1, 82TM-HAA, 8HA-6303								
Connecting Rod	34 To 43 Lbs.Ft. (121 CID (2.0L) LL8)							
Connecting Rod	38 Lbs.Ft. (134 CID (2.2L) LM3)							
Main Bearing	63 To 77 Lbs.Ft. (121 CID (2.0L) LL8)							
Main Bearing	70 Lbs.Ft. (134 CID (2.2L) LM3)							
21	121 CID (2.0L) LQ2,LR9 Chevrolet 4 Cyl (1983-1984)				3.504in./89mm x 3.150in./80mm			21
	121 CID (2.0L) LQ5 Chevrolet 4 Cyl (1983-1986)				3.504in./89mm x 3.150in./80mm			
Rod Bearing(4)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-1567P	STD,10,20,30					
1-2-3		MB-2854P		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.7420
4		MB-2883P(F)		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.9420
5		MB-2856P		2.4937/2.4946	0.0014/0.0043	0.0955	2.6870/2.6880	0.8300
Cam Bearing Set	AL-3	SH-1365S	STD					
1		SH-1365		1.8677/1.8697	0.0015/0.0041	0.0742	2.0190/2.0200	0.6340
2-5		SH-1364		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
3-4		SH-1363		1.8677/1.8697	0.0015/0.0041	0.0640	1.9990/2.0010	0.6940
C/S Forging 6M, 30R, 31M, 6-H, 77A, 7HA, 74TM, 76TM, 78TM, 81-K, 2NABC, 31-87, 3278N, 3281N, 7243N, 7248N, 2Y68-76, 329880N, 78TM-CA, 7HA-6303								
Connecting Rod	34 To 43 Lbs.Ft.							
Main Bearing	63 To 77 Lbs.Ft.							
22	122 CID (2.0L) Chevrolet 4 Cyl (1975-1976)				3.500in./88.9mm x 3.160in./80.3mm			22
	140 CID (2.3L) Chevrolet 4 Cyl (1971-1977)				3.500in./88.9mm x 3.625in./92.1mm			
Rod Bearing(4)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-1050P	STD,10					
1-2-3		MB-3135P		2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
4		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
5		MB-2589P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.9010
Cam Bearing Set	B-1	SH-716S	STD					
1		SH-716		2.2812/2.2822	0.0015/0.0045	0.0644	2.4120/2.4130	0.6900
2-3-4-5		SH-717		2.2812/2.2822	0.0015/0.0045	0.0644	2.4120/2.4130	0.6900
Rod Forging	3977110							
C/S Forging	3977109, 3994226, 3994227							
Connecting Rod	35 Lbs.Ft.							
Main Bearing	65 Lbs.Ft.							
23	122 CID (2.0L) OHC Pontiac 4 Cyl (1987-1994)				3.386in./86mm x 3.385in./86mm			23
	122 CID (2.0L) OHC Turbo Pontiac Turbocharged 4 Cyl (1987-1990)				3.386in./86mm x 3.385in./86mm			
Rod Bearing(4)	TM-77	CB-1408P	STD,.25mm,.50mm,.75mm	1.9279/1.9286	0.0006/0.0028	0.0590	2.0472/2.0477	0.7600



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
23 (Cont.)	122 CID (2.0L) OHC Pontiac 4 Cyl (1987-1994)			3.386in./86mm x 3.385in./86mm				23 (Cont.)
	122 CID (2.0L) OHC Turbo Pontiac Turbocharged 4 Cyl (1987-1990)			3.386in./86mm x 3.385in./86mm				
Main Bearing Set	TM-1	MS-2068P	STD,.25mm,.50mm					
1-2-4-5		MB-2791P		2.2828/2.2833	0.0009/0.0025	0.0780	2.4409/2.4415	0.7580
3		MB-3565P(F)		2.2828/2.2833	0.0009/0.0025	0.0780	2.4409/2.4415	1.0190
C/S Forging	C3OZ, C2OZ-B, C3AF-N, C3OE-B, C3OZ-B, R9028036, R90280395, R90280399							
Connecting Rod	26 Lbs.Ft. Plus 40 To 50 Degrees							
Main Bearing	44 Lbs.Ft. Plus 40 To 50 Degrees							
24	134 CID (2.2L) L42 DOHC Ecotec General Motors Bi-fuel Gas/CNG 4 Cyl (2003)			3.386in./86mm x 3.724in./94.6mm				24
	134 CID (2.2L) L61 DOHC Ecotec General Motors 4 Cyl (2000-2005)			3.386in./86mm x 3.724in./94.6mm				
Rod Bearing(4)	AL-5	CB-1827AL	STD,10,20,30	1.9291/1.9297	0.0004/0.0022	0.0609	2.0519/2.0525	0.7980
Rod Bearing(4)	AL-5	CB-1828AL-10	20,30	1.9291/1.9297	0.0004/0.0022	0.0619	2.0539/2.0545	0.7980
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-2232AL	STD,10,20,30					
1-3-4-5		MB-3824AL		2.2044/2.2050	0.0013/0.0031	0.1589	2.5223/2.5229	0.7795
2		MB-3825AL(F)		2.2044/2.2050	0.0008/0.0025	0.1591	2.5223/2.5229	1.0417
Balance Shaft Bearing Set	AL-3	SH-2002S	STD					
Rear		SH-2002		1.4457/1.4465	0.0011/0.0027	0.0789	1.6048/1.6053	1.0236
NOTE: 2002-2005								
Piston Pin Bushing(4)	C-1	223-3670	STD	0.7872/0.7874	0.0003/0.0008		0.8720/0.8725	0.9250
NOTE: Requires Boring								
25	134 CID (2.2L) LN2/KL6 Chevrolet Bi-fuel Gas/CNG 4 Cyl (2000-2002)			3.504in./89mm x 3.465in./88mm				25
Rod Bearing(4)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-2205P	STD,10,20,30					
1-2-5		MB-2854P		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.7420
3		MB-3749P		2.4944/2.4954	0.0006/0.0036	0.0955	2.6870/2.6880	0.8190
4		MB-2883P(F)		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.9420
Cam Bearing Set	AL-3	SH-1365S	STD					
1		SH-1365		1.8677/1.8697	0.0015/0.0041	0.0742	2.0190/2.0200	0.6340
2-5		SH-1364		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
3-4		SH-1363		1.8677/1.8697	0.0015/0.0041	0.0640	1.9990/2.0010	0.6940
Connecting Rod	38 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							
26	134 CID (2.2L) OHV Chevrolet 4 Cyl (1992-2003)			3.504in./89mm x 3.465in./88mm				26
Rod Bearing(4)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-1704P	STD,10,20,30					
1-2-3-5		MB-2854P		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.7420
4		MB-2883P(F)		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.9420
NOTE: 1992-1997								
Main Bearing Set	TM-77	MS-2205P	STD,10,20,30					
1-2-5		MB-2854P		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.7420
3		MB-3749P		2.4944/2.4954	0.0006/0.0036	0.0955	2.6870/2.6880	0.8190
4		MB-2883P(F)		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.9420
NOTE: 1998-2003								
Cam Bearing Set	AL-3	SH-1365S	STD					
1		SH-1365		1.8677/1.8697	0.0015/0.0041	0.0742	2.0190/2.0200	0.6340
2-5		SH-1364		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
3-4		SH-1363		1.8677/1.8697	0.0015/0.0041	0.0640	1.9990/2.0010	0.6940
Connecting Rod	38 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							
27	137 CID (2.2L) LQ7 OHV Isuzu Diesel 4 Cyl (1984-1985)			3.465in./88mm x 3.622in./92mm				27
Rod Bearing(4)	TM-1	CB-1093P	STD,.25mm,.50mm	2.0833/2.0838	0.0011/0.0028	0.0593	2.2041/2.2047	0.8870
Thrust Washer Set		TW-470S	STD					
		MB-3160W		2.8760			3.4173	0.0980
NOTE: Contains 2 Pieces, Position Number 3								



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
27 (Cont.)	137 CID (2.2L) LQ7 OHV Isuzu Diesel 4 Cyl (1984-1985)				3.465in./88mm x 3.622in./92mm			27 (Cont.)
Cam Bearing Set	B-1	SH-1457S	STD					
1		SH-1457		1.8876/1.8888	0.0007/0.0035	0.0797	2.0472/2.0486	0.8660
2		SH-1458		1.8876/1.8888	0.0007/0.0035	0.0797	2.0477/2.0486	0.8660
3		SH-1459		1.8876/1.8888	0.0007/0.0035	0.0797	2.0477/2.0486	0.8660
28	2238CC (2.2L) OHV Isuzu Diesel 4 Cyl (1981-1982)				3.465in./88mm x 3.622in./92mm			28
Rod Bearing(4)	TM-1	CB-1093P	STD,.25mm,.50mm	2.0833/2.0838	0.0011/0.0028	0.0593	2.2041/2.2047	0.8870
Thrust Washer Set		TW-470S MB-3160W	STD	2.8760			3.4173	0.0980
NOTE: Contains 2 Pieces, Position Number 3								
Cam Bearing Set	B-1	SH-907S	STD					
1		SH-907		1.8876/1.8887	0.0012/0.0031	0.0790	2.0472/2.0486	0.9840
2		SH-908		1.8882/1.8886	0.0012/0.0031	0.0790	2.0476/2.0484	0.9840
3		SH-909		1.8882/1.8886	0.0012/0.0031	0.0790	2.0476/2.0484	0.9840
C/S Forging AD, AY, A1D, A301, B301, 97TM-, A-6303, 96TM-AA, A-6303-A								
Connecting Rod 58 To 65 Lbs.Ft. Main Bearing 115 To 130 Lbs.Ft.								
29	138 CID (2.3L) DOHC Oldsmobile 4 Cyl (1987-1996)				3.622in./92mm x 3.346in./85mm			29
Rod Bearing(4)	TM-77	CB-1388P	STD,.25mm,.50mm,.75mm	1.8887/1.8897	0.0005/0.0020	0.0623	2.0144/2.0154	0.8960
Main Bearing Set	TM-77	MS-1703P	STD,.25mm,.50mm,.75mm					
1-2-4-5		MB-3084P		2.0470/2.0480	0.0005/0.0020	0.0936	2.2352/2.2362	0.8370
3		MB-3085P(F)		2.0470/2.0480	0.0005/0.0020	0.0936	2.2352/2.2362	1.0930
Balance Shaft Bearing Set	AL-3	SH-1817S	STD					
1-2-3-4-5		SH-1817		1.1801/1.1811	0.0004/0.0029	0.0593	1.3002/1.3012	0.7920
NOTE: 1995-1996								
Piston Pin Bushing(4)	C-1	223-3648	STD			0.1008		0.8563
NOTE: 1988-1991								
C/S Forging 2253120								
Connecting Rod 18 Lbs.Ft. Plus 90 Degrees Main Bearing 15 Lbs.Ft. Plus 90 Degrees								
30	138 CID (2.3L) L40 SOHC Oldsmobile 4 Cyl (1992-1994)				3.622in./92mm x 3.346in./85mm			30
Rod Bearing(4)	TM-77	CB-1388P	STD,.25mm,.50mm,.75mm	1.8887/1.8897	0.0005/0.0020	0.0623	2.0144/2.0154	0.8960
Main Bearing Set	TM-77	MS-1703P	STD,.25mm,.50mm,.75mm					
1-2-4-5		MB-3084P		2.0470/2.0480	0.0005/0.0020	0.0936	2.2352/2.2362	0.8370
3		MB-3085P(F)		2.0470/2.0480	0.0005/0.0020	0.0936	2.2352/2.2362	1.0930
C/S Forging 2253120								
Connecting Rod 18 Lbs.Ft. Plus 90 Degrees Main Bearing 15 Lbs.Ft. Plus 90 Degrees								
31	146 CID (2.4L) LD9 DOHC Oldsmobile 4 Cyl (1996-2002)				3.543in./90mm x 3.701in./94mm			31
Rod Bearing(4)	TM-77	CB-1647P	STD,.25mm,.50mm,.75mm	1.8888/1.8898	0.0009/0.0034	0.0623	2.0144/2.0155	0.7200
Rod Bearing(4)	TM-77	CB-1791P-.25mm	.50mm,.75mm	1.8888/1.8898	0.0009/0.0034	0.0633	2.0164/2.0175	0.7200
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-2056P	STD,.25mm,.50mm,.75mm					
1-2-4-5		MB-3514P		2.3626/2.3634	0.0004/0.0029	0.0936	2.5502/2.5512	0.7870
3		MB-3515P(F)		2.3626/2.3634	0.0004/0.0029	0.0936	2.5502/2.5512	1.0920
Balance Shaft Bearing Set	AL-3	SH-1817S	STD					
1-2-3-4-5		SH-1817		1.1801/1.1811	0.0004/0.0029	0.0593	1.3002/1.3012	0.7920
32	151 CID (2.5L) Carbureted Pontiac 4 Cyl (1977-1983)				4.000in./101.6mm x 3.000in./76.2mm			32
Rod Bearing(4)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set	TM-77	MS-1733P	STD,1,10,20,30,40					
1-2-3-4		MB-3135P		2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
5		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Cam Bearing Set	AL-3	SH-1030S	STD,10					
1-2-3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
32 (Cont.)	151 CID (2.5L) Carbureted Pontiac 4 Cyl (1977-1983)				4.000in./101.6mm x 3.000in./76.2mm			32 (Cont.)
Rod Forging	324, 499323							
C/S Forging	017, 381, 390, 684, 771, 777, 499311, 4993111							
Connecting Rod	30 Lbs.Ft. (Except Cross Flow Cylinder Heads)							
Connecting Rod	32 Lbs.Ft. (Cross Flow Cylinder Heads)							
Main Bearing	65 Lbs.Ft. (Except Cross Flow Cylinder Heads)							
Main Bearing	70 Lbs.Ft. (Cross Flow Cylinder Heads)							
33	151 CID (2.5L) Fuel Injected Pontiac 4 Cyl (1982-1993)				4.000in./101.6mm x 3.000in./76.2mm			33
Rod Bearing(4)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set	TM-77	MS-1643P	STD,10,20,30					
1-2-3-4		MB-3135P		2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
5		MB-3011P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.9421
NOTE: 1985-1991, VIN U								
Main Bearing Set	TM-77	MS-1733P	STD,1,10,20,30,40					
1-2-3-4		MB-3135P		2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
5		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
NOTE: VIN 2,A,E,R								
Cam Bearing Set	AL-3	SH-1030S	STD,10					
1-2-3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
NOTE: VIN 2,A,E,R								
Cam Bearing Set	B-1	SH-1305S	STD					
1-2-3		SH-1305		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.7280
NOTE: 1985-1991, VIN U								
C/S Forging	017, 381, 390, 684, 771, 777, 4993111							
Connecting Rod	30 Lbs.Ft.							
Main Bearing	65 Lbs.Ft.							
34	153 CID (2.5L) Chevrolet 4 Cyl (1962-1970)				3.875in./98.4mm x 3.250in./82.6mm			34
Rod Bearing(4)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-1733P	STD,1,10,20,30,40					
1-2-3-4		MB-3135P		2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
5		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Cam Bearing Set	AL-3	SH-400S	STD					
1-2		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
3		SH-399		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
Rod Forging	8436, 3788435, 3837149, 3837419							
C/S Forging	3788522, 3793080, 3793082, 5743014, 3793082N							
Connecting Rod	30 To 35 Lbs.Ft.							
Main Bearing	45 To 55 Lbs.Ft.							
35	169 CID (2.8L) LK5 Vortec 2800 DOHC 16 Valve Chevrolet 4 Cyl (2004-2006)				3.661in./93mm x 4.016in./102mm			35
Rod Bearing(4)	TM-77	CB-1811P	STD,10,20	2.2319/2.2325	0.0002/0.0024	0.0711	2.3749/2.3755	0.8110
Rod Bearing(4)	TM-77	CB-1816P-10	20	2.2319/2.2325	0.0002/0.0024	0.0721	2.3769/2.3775	0.8110
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-3	MS-2249AL	STD,10,20					
1-2-4-5		MB-3781P		2.7546/2.7552	0.0003/0.0020	0.1592	3.0736/3.0743	0.8141
3		MB-3782P(F)		2.7546/2.7552	0.0003/0.0020	0.1592	3.0736/3.0743	0.9980
Balance Shaft Bearing Set	AL-3	SH-2000S	STD					
Left Center		SH-2008					1.8951/1.8959	0.8740
Left Front		SH-2007					1.8668/1.8675	0.8740
Right Center		SH-2009					1.6249/1.6257	0.8740
Right Front		SH-2010					1.5965/1.5973	0.8740
Piston Pin Bushing(4)	C-1	223-3664	STD	0.9054/0.9055		0.0540	1.0133/1.0148	0.9350
Piston Pin Bushing(4)	C-1	223-3668	STD	0.9054/0.9055		0.0630	1.0133/1.0148	0.9350
NOTE: Requires Boring								
36	195 CID (3.2L) Pontiac 4 Cyl (1961-1963)				4.063in./103.2mm x 3.750in./95.3mm			36
Rod Bearing(4)	TM-77	CB-758P	STD,1,10,20,30,40	2.2487/2.2497	0.0015/0.0040	0.0619	2.3745/2.3750	0.8860



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
36 (Cont.)	195 CID (3.2L) Pontiac 4 Cyl (1961-1963)			4.063in./103.2mm x 3.750in./95.3mm				36 (Cont.)
Main Bearing Set 1-2-3	TM-77	MS-496P	STD,10,20,30	2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	0.9430
4		MB-1917P		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	1.1350
5		MB-1918P(F)		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	1.5950
		MB-1891P						
Cam Bearing Set 1	B-1	SH-291S	STD	1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	1.0700
2-3-4-5		SH-291		1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	0.6900
		SH-292						
NOTE: 1961-1962								
Cam Bearing Set 1-2-3-4-5	B-1	SH-292S	STD	1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	0.6900
		SH-292						
NOTE: 1963								
Rod Forging	529238, 529907, 532294, 541000, 544956							
C/S Forging	496452, 539000, 539732, 542239, 544100, 9773382, 9773524, 9793573							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	95 Lbs.Ft. (Except Rear Bearing Cap)							
37	3856CC (3.9L) 4BD1T OHV Isuzu Turbocharged Diesel 4 Cyl (1987-1991)			4.016in./102mm x 4.646in./118mm				37
Rod Bearing(4)	TM-1	CB-1095P	STD,.25mm,.50mm,.75mm	2.5165/2.5175	0.0012/0.0029	0.0793	2.6770/2.6778	1.1730
Main Bearing Set 1-2-4-5	TM-1	MS-1752P	STD,.25mm,.50mm	3.1464/3.1471	0.0013/0.0034	0.0991	3.3464/3.3472	1.0500
3		MB-3148P		3.1464/3.1471	0.0013/0.0034	0.0991	3.3464/3.3472	1.0500
		MB-3149P						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-368S								
Thrust Washer Set		TW-368S	STD					
		MB-2851W(L)		3.4646			3.9764	0.0980
		MB-2851W(U)		3.4646			3.9764	0.0980
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1752P								
Cam Bearing Set 1	B-1	SH-1431S	STD	2.2023/2.2035	0.0012/0.0035	0.0785	2.3634/2.3640	0.7870
2-3		SH-905		2.2023/2.2035	0.0012/0.0035	0.0785	2.3634/2.3640	0.7870
		SH-906						
Piston Pin Bushing(4)	B	223-3615	STD			0.0602	1.4961/1.4971	1.4960
5 CYL								
38	211 CID (3.5L) L52 Vortec 3500 DOHC 20 Valve Chevrolet 5 Cyl (2004-2006)			3.661in./93mm x 4.016in./102mm				38
Rod Bearing(5)	TM-77	CB-1811P	STD,10,20	2.2319/2.2325	0.0002/0.0024	0.0711	2.3749/2.3755	0.8110
Rod Bearing(5)	TM-77	CB-1816P-10	20	2.2319/2.2325	0.0002/0.0024	0.0721	2.3769/2.3775	0.8110
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-5-6	AL-3	MS-2250AL	STD,10,20	2.7546/2.7552	0.0003/0.0020	0.1592	3.0736/3.0743	0.8141
4		MB-3781P		2.7546/2.7552	0.0003/0.0020	0.1592	3.0736/3.0743	0.9980
		MB-3782P(F)						
Balance Shaft Bearing Set	AL-3	SH-2000S	STD					
Left Center		SH-2008					1.8951/1.8959	0.8740
Left Front		SH-2007					1.8668/1.8675	0.8740
Right Center		SH-2009					1.6249/1.6257	0.8740
Right Front		SH-2010					1.5965/1.5973	0.8740
Piston Pin Bushing(5)	C-1	223-3664	STD	0.9054/0.9055		0.0540	1.0133/1.0148	0.9350
Piston Pin Bushing(5)	C-1	223-3668	STD	0.9054/0.9055		0.0630	1.0133/1.0148	0.9350
NOTE: Requires Boring								
6 CYL								
39	140 CID (2.3L) Chevrolet Corvair 6 Cyl (1960-1961)			3.375in./85.7mm x 2.593in./65.9mm				39
	145 CID (2.4L) Chevrolet Corvair 6 Cyl (1961-1963)			3.438in./87.33mm x 2.593in./65.9mm				
	145 CID (2.4L) Chevrolet Corvair Turbocharged 6 Cyl (1962-1963)			3.438in./87.33mm x 2.593in./65.9mm				
	164 CID (2.7L) Chevrolet Corvair 6 Cyl (1964-1969)			3.438in./87.3mm x 2.938in./74.6mm				
	164 CID (2.7L) Chevrolet Corvair Turbocharged 6 Cyl (1964-1966)			3.438in./87.3mm x 2.938in./74.6mm				
Rod Bearing(6)	TM-77	CB-584P	STD,1,10,20	1.7990/1.8000	0.0012/0.0037	0.0620	1.9247/1.9252	0.6840



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
39 (Cont.)	140 CID (2.3L) Chevrolet Corvair 6 Cyl (1960-1961)			3.375in./85.7mm x 2.593in./65.9mm				39 (Cont.)
	145 CID (2.4L) Chevrolet Corvair 6 Cyl (1961-1963)			3.438in./87.33mm x 2.593in./65.9mm				
	145 CID (2.4L) Chevrolet Corvair Turbocharged 6 Cyl (1962-1963)			3.438in./87.33mm x 2.593in./65.9mm				
	164 CID (2.7L) Chevrolet Corvair 6 Cyl (1964-1969)			3.438in./87.3mm x 2.938in./74.6mm				
	164 CID (2.7L) Chevrolet Corvair Turbocharged 6 Cyl (1964-1966)			3.438in./87.3mm x 2.938in./74.6mm				
Main Bearing Set	TM-77	MS-584P	STD,10					
1		MB-2004P(F)		2.0978/2.0988	0.0013/0.0043	0.0945	2.2880/2.2890	0.9970
2-3		MB-2005P		2.0978/2.0988	0.0007/0.0037	0.0950	2.2880/2.2890	0.8070
4		MB-2111P		2.0978/2.0988	0.0007/0.0037	0.0950	2.2880/2.2890	0.8070
NOTE: Contains Full Flanged Bearing								
Main Bearing Set	TM-77	MS-1670P	STD,10					
1		MB-2004G(F)		2.0978/2.0988	0.0013/0.0043	0.0945	2.2880/2.2890	0.9970
2-3		MB-2005P		2.0978/2.0988	0.0007/0.0037	0.0950	2.2880/2.2890	0.8070
4		MB-2111P		2.0978/2.0988	0.0007/0.0037	0.0950	2.2880/2.2890	0.8070
NOTE: Contains Half Flanged Bearing								
Rod Forging	3817209, 3817294, 3817297, 3819695, 6255633							
C/S Forging	5607, 7293, 8409, 3817293, 3828409, 6255607							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	42 To 48 Lbs.Ft. (7/16"-20 Bolts)							
Main Bearing	7 To 13 Lbs.Ft. (5/16"-18 Bolts)							
40	173 CID (2.8L) Chevrolet V6 Cyl (1980-1993)			3.504in./89mm x 2.992in./76mm				40
Rod Bearing(6)	AL-5	CB-1238A	STD,.25mm,.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0623	2.1245/2.1255	0.7205
Rod Bearing(6)	TM-77	CB-1238P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	1.9984/1.9994	0.0005/0.0035	0.0623	2.1245/2.1255	0.7205
Rod Bearing(6)	AL-5	CB-1797A	STD,.25mm,.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0633	2.1265/2.1275	0.7205
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1797P-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0633	2.1265/2.1275	0.7205
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-1494P	STD,.25mm,.50mm,.75mm,1.00mm					
1		MB-2806P		2.4937/2.4946	0.0011/0.0040	0.0958	2.6870/2.6880	0.9700
2		MB-2807P		2.4937/2.4946	0.0011/0.0040	0.0958	2.6870/2.6880	0.7420
3		MB-2808P(F)		2.4937/2.4946	0.0011/0.0040	0.0958	2.6870/2.6880	0.9420
4		MB-2809P		2.4937/2.4946	0.0011/0.0040	0.0958	2.6870/2.6880	1.2480
NOTE: 1980-1984, 1985 1st Design Main Bearings,63.3mm Journals								
Main Bearing Set	AL-5	MS-2037A-.25mm	.50mm,.75mm					
1-4		MB-3511A		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9770
2		MB-3512A		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.7380
3		MB-3513A(F)		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9420
NOTE: 1986-1993, 1985 2nd Design Main Bearings,67.2mm Journals								
Main Bearing Set	TM-77	MS-2037P	STD,.25mm,.50mm,.75mm,1.00mm					
1-4		MB-3511P		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9770
2		MB-3512P		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.7380
3		MB-3513P(F)		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9420
NOTE: 1986-1993, 1985 2nd Design Main Bearings,67.2mm Journals								
Cam Bearing Set	AL-3	SH-1364S	STD,80					
1		SH-1362		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
2-3		SH-1363		1.8677/1.8697	0.0015/0.0041	0.0640	1.9990/2.0010	0.6940
4		SH-1364		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
NOTE: SH-1364S-80 Contains .080" Oversize Outside Diameter Bearings								
C/S Forging	264, 504							
Connecting Rod	34 To 40 Lbs.Ft.							
Main Bearing	63 To 74 Lbs.Ft.							



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
41	173 CID (2.8L) Chevrolet LPG V6 Cyl (1987-1989)				3.504in./89mm x 2.992in./76mm			41
	173 CID (2.8L) Chevrolet Meth V6 Cyl (1987-1989)				3.504in./89mm x 2.992in./76mm			
	189 CID (3.1L) Chevrolet V6 Cyl (1988-2005)				3.504in./89mm x 3.307in./84mm			
	189 CID (3.1L) Chevrolet Turbocharged V6 Cyl (1989-1990)				3.504in./89mm x 3.307in./84mm			
	189 CID (3.1L) Chevrolet LPG V6 Cyl (1988-1993)				3.504in./89mm x 3.307in./84mm			
	189 CID (3.1L) Chevrolet Meth V6 Cyl (1988-1993)				3.504in./89mm x 3.307in./84mm			
	189 CID (3.1L) L64 Chevrolet Flex V6 Cyl (1993)				3.504in./89mm x 3.307in./84mm			
	207 CID (3.4L) L32 Chevrolet V6 Cyl (1993-1995)				3.622in./92mm x 3.307in./84mm			
207 CID (3.4L) LA1 Chevrolet V6 Cyl (1996-2005)				3.622in./92mm x 3.307in./84mm				
Rod Bearing(6)	AL-5	CB-1238A	STD,.25mm,.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0623	2.1245/2.1255	0.7205
Rod Bearing(6)	TM-77	CB-1238P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	1.9984/1.9994	0.0005/0.0035	0.0623	2.1245/2.1255	0.7205
Rod Bearing(6)	AL-5	CB-1797A	STD,.25mm,.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0633	2.1265/2.1275	0.7205
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1797P-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0633	2.1265/2.1275	0.7205
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-2037A-.25mm	.50mm,.75mm					
1-4		MB-3511A		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9770
2		MB-3512A		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.7380
3		MB-3513A(F)		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9420
Main Bearing Set	TM-77	MS-2037P	STD,.25mm,.50mm,.75mm,1.00mm					
1-4		MB-3511P		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9770
2		MB-3512P		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.7380
3		MB-3513P(F)		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9420
Cam Bearing Set	AL-3	SH-1364S	STD,80					
1		SH-1362		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
2-3		SH-1363		1.8677/1.8697	0.0015/0.0041	0.0640	1.9990/2.0010	0.6940
4		SH-1364		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
NOTE: SH-1364S-80 Contains .080" Oversize Outside Diameter Bearings								
C/S Forging	264, 504, 817, 981							
Connecting Rod	34 To 40 Lbs.Ft. (173 CID (2.8L))							
Connecting Rod	39 Lbs.Ft. (189 CID (3.1L),207 CID (3.4L))							
Main Bearing	37 Lbs.Ft. Plus 75 Degrees (Bolts)							
Main Bearing	39 Lbs.Ft. (Nuts)							
Main Bearing	63 To 74 Lbs.Ft. (173 CID (2.8L))							
Main Bearing	70 Lbs.Ft. (189 CID (3.1L))							
42	181 CID (3.0L) Buick V6 Cyl (1982-1988)				3.800in./96.5mm x 2.660in./67.6mm			42
	231 CID (3.8L) Turbo Buick Turbocharged V6 Cyl (1978-1989)				3.800in./96.5mm x 3.400in./86.4mm			
Rod Bearing(6)	TM-77	CB-1228P	STD,1,10,20,30,40	2.2487/2.2495	0.0005/0.0030	0.0619	2.3738/2.3745	0.6590
Rod Bearing(6)	TM-77	CB-1800P-10	20,30,40	2.2487/2.2495	0.0010/0.0035	0.0629	2.3758/2.3765	0.6590
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-960P	STD,1,10,20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-2434P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0580
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
Main Bearing Set	TM-77	MS-1688P-10	20					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3063P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0780
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1747P-10	20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3125P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0680
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	AL-3	SH-1385S	STD,10					
1		SH-1360		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.7600
2-3-4		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300
NOTE: 1978-1984, 1985 14 Bolt Oil Pan								



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
42 (Cont.)	181 CID (3.0L) Buick V6 Cyl (1982-1988)			3.800in./96.5mm x 2.660in./67.6mm				42 (Cont.)
	231 CID (3.8L) Turbo Buick Turbocharged V6 Cyl (1978-1989)			3.800in./96.5mm x 3.400in./86.4mm				
Cam Bearing Set	AL-3	SH-1448S	STD					
1-4		SH-1448		1.7850/1.7860	0.0005/0.0055	0.0745	1.9355/1.9375	0.7500
2-3		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300
NOTE: 1986-1989, 1985 20 Bolt Oil Pan								
Rod Forging	201, 220, 408, 461, 673, 763, 779, 1357201, 1357333, 1377248, 25509405							
C/S Forging	275, 404, 732, 8767, 230277, 230278, 230378, 378354, 1254083, 1255645, 1255646, 1255674, 1255846, 1255862, 1257125, 1260877, 1261438, 1261787, 1357898, 1378351, 1378354, 25505554, 25506397, 25506818, 25509404, 25514290, 25520329							
Connecting Rod	40 Lbs.Ft.							
Main Bearing	110 Lbs.Ft.							
43	194 CID (3.2L) Chevrolet 6 Cyl (1962-1967)			3.563in./90.5mm x 3.250in./82.6mm				43
	215 CID (3.5L) Pontiac 6 Cyl (1964-1965)			3.750in./95.3mm x 3.250in./82.6mm				
	230 CID (3.8L) Chevrolet 6 Cyl (1963-1970)			3.875in./98.4mm x 3.250in./82.6mm				
Rod Bearing(6)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-617P	STD,1,10,20,30,40					
1-2-3-4-5-6		MB-3135P		2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
7		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Cam Bearing Set	AL-3	SH-399S	STD,10					
1-4		SH-399		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
2-3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
Rod Forging	8436, 3788435, 3788437, 3837419, 3977110, 9793328							
C/S Forging	8424, 3788423, 3788424, 3788428, 3820618, 3864465, 3899424, 5743013, 9782279, 9782297							
Connecting Rod	30 To 35 Lbs.Ft. (194 CID (3.2L))							
Connecting Rod	35 To 45 Lbs.Ft. (215 CID (3.5L) ,230 CID (3.8L))							
Main Bearing	60 To 70 Lbs.Ft.							
44	196 CID (3.2L) LC9 Buick V6 Cyl (1978-1979)			3.500in./88.9mm x 3.400in./86.4mm				44
	252 CID (4.1L) LC4 Buick V6 Cyl (1980-1984)			3.965in./100.7mm x 3.400in./86.4mm				
Rod Bearing(6)	TM-77	CB-1228P	STD,1,10,20,30,40	2.2487/2.2495	0.0005/0.0030	0.0619	2.3738/2.3745	0.6590
Rod Bearing(6)	TM-77	CB-1800P-10	20,30,40	2.2487/2.2495	0.0010/0.0035	0.0629	2.3758/2.3765	0.6590
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-960P	STD,1,10,20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-2434P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0580
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
Main Bearing Set	TM-77	MS-1688P-10	20					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3063P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0780
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1747P-10	20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3125P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0680
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	AL-3	SH-1385S	STD,10					
1		SH-1360		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.7600
2-3-4		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300
Rod Forging	201, 220, 673, 763, 779, 1357201, 1357333, 1377248, 25509405							
C/S Forging	230277, 230278, 230378, 378354, 1254083, 1255645, 1255646, 1255674, 1255846, 1255862, 1257125, 1260877, 1261438, 1261787, 1357898, 1378351, 1378354, 25505554, 25506397, 25506818, 25509404, 25514290, 25520329							
Connecting Rod	40 Lbs.Ft.							
Main Bearing	110 Lbs.Ft.							
45	198 CID (3.2L) Buick V6 Cyl (1962-1963)			3.625in./92.1mm x 3.200in./81.3mm				45
Rod Bearing(6)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set	TM-77	MS-606P	STD,10					
1-3-4		MB-3135P		2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
2		MB-2075P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0580



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
45 (Cont.)	198 CID (3.2L) Buick V6 Cyl (1962-1963)				3.625in./92.1mm x 3.200in./81.3mm			45 (Cont.)
Cam Bearing Set	B-1	SH-506S	STD					
1		SH-506		1.7550/1.7560	0.0010/0.0060	0.0643	1.8855/1.8875	0.7600
2		SH-363		1.7250/1.7260	0.0010/0.0060	0.0643	1.8555/1.8575	0.7600
3		SH-364		1.6950/1.6960	0.0010/0.0060	0.0643	1.8255/1.8275	0.7600
4		SH-365		1.6650/1.6660	0.0010/0.0060	0.0643	1.7955/1.7975	0.7600
Rod Forging	431, 1349431							
C/S Forging	1349429, 1349929							
Connecting Rod	30 To 45 Lbs.Ft.							
Main Bearing	100 To 110 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	100 To 125 Lbs.Ft. (Except Rear Bearing Cap)							
46	200 CID (3.3L) L26 Chevrolet V6 Cyl (1978-1979)				3.500in./88.9mm x 3.484in./88.5mm			46
	229 CID (3.8L) Chevrolet V6 Cyl (1980-1982)				3.736in./95mm x 3.484in./88.5mm			
	229 CID (3.8L) LC3 Chevrolet V6 Cyl (1980-1984)				3.736in./95mm x 3.484in./88.5mm			
Rod Bearing(6)	TM-77	CB-1227P	STD,1,10,20,30,40	2.0990/2.1000	0.0003/0.0033	0.0622	2.2247/2.2257	0.7130
Main Bearing Set	AL-5	MS-1454A-10	20,30					
1-2-3		MB-2508A		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set	TM-77	MS-1454P	STD,1,10,20,30,40					
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set	TM-77	MS-1628P-10	20,30					
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1684P-20						
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-3060P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-2215P-10	20,30					
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-3119P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	AL-3	SH-1350S	STD,10					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-4		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
C/S Forging	143, 147, 726N, 1354N, 135411							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							
47	204 CID (3.3L) LG7 Buick V6 Cyl (1989-1993)				3.701in./94mm x 3.160in./80.3mm			47
Rod Bearing(6)	TM-77	CB-1228P	STD,1,10,20,30,40	2.2487/2.2495	0.0005/0.0030	0.0619	2.3738/2.3745	0.6590
NOTE: 1989-1990								
Rod Bearing(6)	TM-77	CB-1443P	STD,10,20,30	2.2487/2.2499	0.0010/0.0035	0.0619	2.3738/2.3745	0.7210
NOTE: 1991-1993								
Rod Bearing(6)	TM-77	CB-1800P-10	20,30,40	2.2487/2.2495	0.0010/0.0035	0.0629	2.3758/2.3765	0.6590
NOTE: 1989-1990, Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1806P-10	20,30	2.2487/2.2499	0.0010/0.0035	0.0629	2.3758/2.3765	0.7210
NOTE: 1991-1993, Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-960P	STD,1,10,20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-2434P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0580
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: 1989-1990								
Main Bearing Set	TM-77	MS-1688P-10	20					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3063P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0780
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: 1989-1990, Contains .020" Oversize Length Flanged Bearing								



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
47 (Cont.)	204 CID (3.3L) LG7 Buick V6 Cyl (1989-1993)			3.701in./94mm x 3.160in./80.3mm				47 (Cont.)
Main Bearing Set	TM-77	MS-1747P-10	20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3125P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0680
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: 1989-1990, Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1822P	STD,10,20,30					
1-3		MB-3213P		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	0.8690
2		MB-3214P(F)		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	1.0580
4		MB-3215P		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	0.8690
NOTE: 1991-1993								
Cam Bearing Set	AL-3	SH-1448S	STD					
1-4		SH-1448		1.7850/1.7860	0.0005/0.0055	0.0745	1.9355/1.9375	0.7500
2-3		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300
C/S Forging 1235413								
Connecting Rod	20 Lbs.Ft. Plus 50 Degrees							
Main Bearing	26 Lbs.Ft. Plus 50 Degrees							
48	207 CID (3.4L) LQ1 DOHC Chevrolet V6 Cyl (1991-1997)			3.622in./92mm x 3.307in./84mm				48
Rod Bearing(6)	AL-5	CB-1238A	STD,.25mm,.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0623	2.1245/2.1255	0.7205
Rod Bearing(6)	TM-77	CB-1238P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	1.9984/1.9994	0.0005/0.0035	0.0623	2.1245/2.1255	0.7205
Rod Bearing(6)	AL-5	CB-1797A	STD,.25mm,.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0633	2.1265/2.1275	0.7205
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1797P-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0633	2.1265/2.1275	0.7205
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-2037A-.25mm	.50mm,.75mm					
1-4		MB-3511A		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9770
2		MB-3512A		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.7380
3		MB-3513A(F)		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9420
Main Bearing Set	TM-77	MS-2037P	STD,.25mm,.50mm,.75mm,1.00mm					
1-4		MB-3511P		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9770
2		MB-3512P		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.7380
3		MB-3513P(F)		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9420
Cam Bearing Set	AL-3	SH-1780S	STD					
1		SH-1780		1.8677/1.8697	0.0015/0.0035	0.0690	2.0090/2.0110	1.1810
2-3		SH-1363		1.8677/1.8697	0.0015/0.0041	0.0640	1.9990/2.0010	0.6940
4		SH-1364		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
Connecting Rod	39 Lbs.Ft.							
Main Bearing	37 Lbs.Ft. Plus 75 Degrees (Bolts)							
Main Bearing	39 Lbs.Ft. (Nuts)							
49	212 CID (3.5L) LX5 Oldsmobile V6 Cyl (1999-2002)			3.524in./89.5mm x 3.524in./89.5mm				49
Rod Bearing(6)	TM-77	CB-1812P	STD,10,20	2.1829/2.1835	0.0001/0.0027	0.0722	2.3280/2.3290	0.7230
Rod Bearing(6)	TM-77	CB-1820P-10	20	2.1829/2.1835	0.0001/0.0027	0.0732	2.3300/2.3310	0.7230
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-3	MS-2225AL	STD,10,20					
1-2-4		MB-3783P		2.7550/2.7560	0.0006/0.0018		3.0738/3.0742	
3		MB-3784P(F)		2.7550/2.7560	0.0006/0.0018		3.0738/3.0742	
Piston Pin Bushing(6)	C-1	223-3662	STD			0.0670	0.9235/0.9247	0.8560
NOTE: Requires Light Reaming								
50	216 CID (3.5L) Chevrolet 6 Cyl (1937-1953)			3.500in./88.9mm x 3.750in./95.3mm				50
Rod Bearing(6)	B-1	CB-503B	STD,10,20,30,40,60	2.3110/2.3120	0.0005/0.0031	0.0455	2.4030/2.4040	1.2350
NOTE: Precision Insert Bearing Type								
Con. Rod Bearing Shim Set		SM-104S	STD					
		SM-106				0.0080		



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
50 (Cont.)	216 CID (3.5L) Chevrolet 6 Cyl (1937-1953)				3.500in./88.9mm x 3.750in./95.3mm			50 (Cont.)
Main Bearing Shim Set		SM-105S	STD					
		SM-107				0.0060		
		SM-108				0.0060		
NOTE: 1948-1953								
Cam Bearing Set	B-1	SH-209S	STD,10					
1		SH-33		2.0282/2.0292	0.0005/0.0050	0.0649	2.1590/2.1610	1.1350
2		SH-34		1.9657/1.9667	0.0005/0.0050	0.0649	2.0965/2.0985	0.9470
3		SH-35		1.9032/1.9042	0.0005/0.0050	0.0649	2.0340/2.0360	0.9470
4		SH-209		1.8407/1.8417	0.0005/0.0050	0.0649	1.9715/1.9735	0.9470
Piston Pin Bushing(12)	C-1	223-3417	STD			0.2480	1.3600/1.3660	2.9700
NOTE: Cast Iron Piston, 2 Per Piston, Requires Light Reaming								
Rod Forging	8389, 9558, 838389, 839558, 3701890, 3835184, 3835274, 3835324, 3835609							
C/S Forging	8391111, 839775, 3726271, 3835271, 3836271							
Connecting Rod	40 To 50 Lbs.Ft.							
51	225 CID (3.7L) Buick V6 Cyl (1964-1967)				3.750in./95.3mm x 3.400in./86.4mm			51
Rod Bearing(6)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set	TM-77	MS-960P	STD,1,10,20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-2434P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0580
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
Main Bearing Set	TM-77	MS-1688P-10	20					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3063P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0780
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1747P-10	20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3125P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0680
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-506S	STD					
1		SH-506		1.7550/1.7560	0.0010/0.0060	0.0643	1.8855/1.8875	0.7600
2		SH-363		1.7250/1.7260	0.0010/0.0060	0.0643	1.8555/1.8575	0.7600
3		SH-364		1.6950/1.6960	0.0010/0.0060	0.0643	1.8255/1.8275	0.7600
4		SH-365		1.6650/1.6660	0.0010/0.0060	0.0643	1.7955/1.7975	0.7600
Rod Forging	201, 220, 673, 763, 779, 1357201, 1357333, 1377248, 25509405							
C/S Forging	230277, 230278, 230378, 378354, 1254083, 1255645, 1255646, 1255674, 1255846, 1255862, 1257125, 1260877, 1261438, 1261787, 1357898, 1378351, 1378354, 2550554, 25506397, 25506818, 25509404, 25514290, 25520329							
Connecting Rod	30 To 40 Lbs.Ft.							
Main Bearing	65 To 70 Lbs.Ft. (Thru 1964)							
Main Bearing	95 To 120 Lbs.Ft. (From 1965)							
52	228 CID (3.7L) General Motors 6 Cyl (1939-1953)				3.563in./90.5mm x 3.813in./96.9mm			52
	236 CID (3.9L) OHV General Motors 6 Cyl (1942-1946)				3.562in./90.5mm x 3.813in./96.9mm			
	248 CID (4.1L) General Motors 6 Cyl (1939-1955)				3.719in./94.5mm x 3.813in./96.9mm			
	270 CID (4.4L) OHV General Motors 6 Cyl (1939-1962)				3.781in./96mm x 4.000in./101.6mm			
	302 CID (5.0L) OHV General Motors 6 Cyl (1952-1959)				4.000in./101.6mm x 4.000in./101.6mm			
Rod Bearing(6)	TM-77	CB-427P	STD,10,20,30,40	2.3110/2.3120	0.0008/0.0033	0.0720	2.4563/2.4568	1.1070
NOTE: Connecting Rod With .160" Wide Locking Lip Slot								
Cam Bearing Set	B-1	SH-209S	STD,10					
1		SH-33		2.0282/2.0292	0.0005/0.0050	0.0649	2.1590/2.1610	1.1350
2		SH-34		1.9657/1.9667	0.0005/0.0050	0.0649	2.0965/2.0985	0.9470
3		SH-35		1.9032/1.9042	0.0005/0.0050	0.0649	2.0340/2.0360	0.9470
4		SH-209		1.8407/1.8417	0.0005/0.0050	0.0649	1.9715/1.9735	0.9470
Rod Forging	2135419, 2341204, 5150059, 6107428, 6255633							
C/S Forging	883550, 2090911, 2135416, 2136119, 2144958, 2191127, 2192941, 2194012, 2194570, 2194958, 2342204, 2342664, 2362229, 2404929, 2491012, 5132942, 6107432							



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
52 (Cont.)	228 CID (3.7L) General Motors 6 Cyl (1939-1953)			3.563in./90.5mm x 3.813in./96.9mm				52 (Cont.)
	236 CID (3.9L) OHV General Motors 6 Cyl (1942-1946)			3.562in./90.5mm x 3.813in./96.9mm				
	248 CID (4.1L) General Motors 6 Cyl (1939-1955)			3.719in./94.5mm x 3.813in./96.9mm				
	270 CID (4.4L) OHV General Motors 6 Cyl (1939-1962)			3.781in./96mm x 4.000in./101.6mm				
	302 CID (5.0L) OHV General Motors 6 Cyl (1952-1959)			4.000in./101.6mm x 4.000in./101.6mm				
Connecting Rod	40 To 50 Lbs.Ft.							
Main Bearing	100 To 110 Lbs.Ft. (270 CID (4.4L) OHV)							
Main Bearing	70 To 80 Lbs.Ft. (228 CID (3.7L) ,236 CID (3.9L) OHV,248 CID (4.1L))							
Main Bearing	90 To 100 Lbs.Ft. (302 CID (5.0L) OHV)							
53	230 CID (3.8L) OHC Pontiac 6 Cyl (1966-1967)			3.875in./98.4mm x 3.250in./82.6mm				53
	250 CID (4.1L) OHC Pontiac 6 Cyl (1968-1969)			3.875in./98.4mm x 3.531in./89.7mm				
Rod Bearing(6)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-617P	STD,1,10,20,30,40					
1-2-3-4-5-6		MB-3135P		2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
7		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Rod Forging	8436, 3788435, 3788437, 3837419, 9793328							
C/S Forging	8424, 460407, 3788423, 3788424, 3788428, 3820618, 3855914, 3864465, 3876802, 3876840, 9782297							
Connecting Rod	35 To 45 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
54	231 CID (3.8L) Carbureted Buick V6 Cyl (1975-1987)			3.800in./96.5mm x 3.400in./86.4mm				54
	NOTE: 1975-1977, Odd Fire Engine							
Rod Bearing(6)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
NOTE: 1977-1987, Even Fire Engine								
Rod Bearing(6)	TM-77	CB-1228P	STD,1,10,20,30,40	2.2487/2.2495	0.0005/0.0030	0.0619	2.3738/2.3745	0.6590
NOTE: 1977-1987, Even Fire Engine								
Rod Bearing(6)	TM-77	CB-1800P-10	20,30,40	2.2487/2.2495	0.0010/0.0035	0.0629	2.3758/2.3765	0.6590
NOTE: 1977-1987, Even Fire Engine, Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-960P	STD,1,10,20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-2434P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0580
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
Main Bearing Set	TM-77	MS-1688P-10	20					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3063P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0780
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1747P-10	20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3125P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0680
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	AL-3	SH-1385S	STD,10					
1		SH-1360		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.7600
2-3-4		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300
NOTE: 1975-1984, 1985 14 Bolt Oil Pan								
Cam Bearing Set	AL-3	SH-1448S	STD					
1-4		SH-1448		1.7850/1.7860	0.0005/0.0055	0.0745	1.9355/1.9375	0.7500
2-3		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300
NOTE: 1986-1987; 1985 20 Bolt Oil Pan								
Rod Forging	201, 220, 673, 763, 779, 1357201, 1357333, 1377248, 25509405							
C/S Forging	230277, 230278, 230378, 378354, 1254083, 1255645, 1255646, 1255674, 1255846, 1255862, 1257125, 1260877, 1261438, 1261787, 1357898, 1378351, 1378354, 25505554, 25506397, 25506818, 25509404, 25514290, 25520329							
Connecting Rod	40 Lbs.Ft.							
Main Bearing	110 Lbs.Ft.							
55	231 CID (3.8L) Fuel Injected Buick V6 Cyl (1984-2004)			3.800in./96.5mm x 3.397in./86.3mm				55
	NOTE: 1984-1989, 1990 VIN C							
Rod Bearing(6)	TM-77	CB-1228P	STD,1,10,20,30,40	2.2487/2.2495	0.0005/0.0030	0.0619	2.3738/2.3745	0.6590
NOTE: 1984-1989, 1990 VIN C								
Rod Bearing(6)	TM-77	CB-1443P	STD,10,20,30	2.2487/2.2499	0.0010/0.0035	0.0619	2.3738/2.3745	0.7210
NOTE: 1991-2004, 1990 VIN L								



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
55 (Cont.)	231 CID (3.8L) Fuel Injected Buick V6 Cyl (1984-2004)				3.800in./96.5mm x 3.397in./86.3mm			55 (Cont.)
Rod Bearing(6) NOTE: 1984-1989, 1990 VIN C, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1800P-10	20,30,40	2.2487/2.2495	0.0010/0.0035	0.0629	2.3758/2.3765	0.6590
Rod Bearing(6) NOTE: 1991-2004, 1990 VIN L, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1806P-10	20,30	2.2487/2.2499	0.0010/0.0035	0.0629	2.3758/2.3765	0.7210
Main Bearing Set 1-3 2 4 NOTE: 1984-1989, 1990 VIN C	TM-77	MS-960P MB-2433P MB-2434P(F) MB-2491P	STD,1,10,20,30	2.4990/2.5000 2.4990/2.5000 2.4990/2.5000	0.0005/0.0034 0.0005/0.0034 0.0005/0.0034	0.0935 0.0935 0.0935	2.6870/2.6880 2.6870/2.6880 2.6870/2.6880	0.8690 1.0580 0.8690
Main Bearing Set 1-3 2 4 NOTE: 1984-1989, 1990 VIN C, Contains .020" Oversize Length Flanged Bearing	TM-77	MS-1688P-10 MB-2433P MB-3063P(F) MB-2491P	20	2.4990/2.5000 2.4990/2.5000 2.4990/2.5000	0.0005/0.0034 0.0005/0.0034 0.0005/0.0034	0.0935 0.0935 0.0935	2.6870/2.6880 2.6870/2.6880 2.6870/2.6880	0.8690 1.0780 0.8690
Main Bearing Set 1-3 2 4 NOTE: 1984-1989, 1990 VIN C, Contains .010" Oversize Length Flanged Bearing	TM-77	MS-1747P-10 MB-2433P MB-3125P(F) MB-2491P	20,30	2.4990/2.5000 2.4990/2.5000 2.4990/2.5000	0.0005/0.0034 0.0005/0.0034 0.0005/0.0034	0.0935 0.0935 0.0935	2.6870/2.6880 2.6870/2.6880 2.6870/2.6880	0.8690 1.0680 0.8690
Main Bearing Set 1-3 2 4 NOTE: 1991 VIN C, 1990-1993 VIN L, Engines With 1/2" Main Bearing Bolts	TM-77	MS-1822P MB-3213P MB-3214P(F) MB-3215P	STD,10,20,30	2.4988/2.4998 2.4988/2.4998 2.4988/2.4998	0.0005/0.0032 0.0005/0.0032 0.0005/0.0032	0.0936 0.0936 0.0936	2.6870/2.6880 2.6870/2.6880 2.6870/2.6880	0.8690 1.0580 0.8690
Main Bearing Set 1-3 2 4 NOTE: 1994 VIN L, Engines With 7/16" Main Bearing Bolts And Nodular Iron Main Bearing Caps	TM-77	MS-2021P MB-3213P MB-3214P(F) MB-3494P	STD,10,20,30	2.4988/2.4998 2.4988/2.4998 2.4988/2.4998	0.0005/0.0032 0.0005/0.0032 0.0018/0.0030	0.0936 0.0936 0.0935	2.6870/2.6880 2.6870/2.6880 2.6870/2.6880	0.8690 1.0580 0.8690
Main Bearing Set 1 2 3 4 NOTE: 1995 VIN L, 1995-2004 VIN K, Engines With 7/16" Main Bearing Bolts And Powdered Metal Main Bearing Caps	TM-77	MS-2022P MB-3495P MB-3214P(F) MB-3213P MB-3494P	STD,10,20,30	2.4990/2.5000 2.4988/2.4998 2.4988/2.4998 2.4988/2.4998	0.0005/0.0022 0.0005/0.0032 0.0005/0.0032 0.0018/0.0030	0.0936 0.0936 0.0936 0.0935	2.6870/2.6880 2.6870/2.6880 2.6870/2.6880 2.6870/2.6880	0.8690 1.0580 0.8690 0.8690
Cam Bearing Set 1 2-3-4 NOTE: 1984-1985, VIN 3, 14 Bolt Oil Pan	AL-3	SH-1385S SH-1360 SH-1361	STD,10	1.7850/1.7860 1.7850/1.7860	0.0005/0.0055 0.0005/0.0055	0.0643 0.0643	1.9155/1.9175 1.9155/1.9175	0.7600 0.6300
Cam Bearing Set 1-4 2-3 NOTE: 1986-1994, 1985 VIN 3, 1995 VIN L, 20 Bolt Oil Pan	AL-3	SH-1448S SH-1448 SH-1361	STD	1.7850/1.7860 1.7850/1.7860	0.0005/0.0055 0.0005/0.0055	0.0745 0.0643	1.9355/1.9375 1.9155/1.9175	0.7500 0.6300
Cam Bearing Set 1-4 2-3 NOTE: 1995-2004, VIN K	AL-3	SH-1812S SH-1812 SH-1813	STD	1.8448/1.8462 1.8448/1.8462	0.0005/0.0055 0.0005/0.0055	0.0744 0.0644	1.9755/1.9775 1.9755/1.9775	0.7600 0.6300
Balance Shaft Bearing Set Rear NOTE: 1995-2003, VIN K		SH-1798S SH-1798	STD	1.4986/1.5000	0.0011/0.0047	0.1882	1.8735/1.8745	0.8350
Piston Pin Bushing(6) NOTE: 1995-2004, VIN K, Requires Light Reaming	C-1	223-3647	STD			0.1100		0.8420
Connecting Rod Main Bearing	20 Lbs.Ft. Plus 50 Degrees 26 Lbs.Ft. Plus 50 Degrees							



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
56	231 CID (3.8L) Supercharged Buick Supercharged V6 Cyl (1991-2004)				3.800in./96.5mm x 3.400in./86.4mm			56
Rod Bearing(6)	TM-77	CB-1443P	STD,10,20,30	2.2487/2.2499	0.0010/0.0035	0.0619	2.3738/2.3745	0.7210
Rod Bearing(6)	TM-77	CB-1806P-10	20,30	2.2487/2.2499	0.0010/0.0035	0.0629	2.3758/2.3765	0.7210
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-1822P	STD,10,20,30					
1-3		MB-3213P		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	0.8690
2		MB-3214P(F)		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	1.0580
4		MB-3215P		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	0.8690
NOTE: 1991-1993								
Main Bearing Set	TM-77	MS-2021P	STD,10,20,30					
1-3		MB-3213P		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	0.8690
2		MB-3214P(F)		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	1.0580
4		MB-3494P		2.4988/2.4998	0.0018/0.0030	0.0935	2.6870/2.6880	0.8690
NOTE: 1994								
Main Bearing Set	TM-77	MS-2022P	STD,10,20,30					
1		MB-3495P		2.4990/2.5000	0.0005/0.0022	0.0936	2.6870/2.6880	0.8690
2		MB-3214P(F)		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	1.0580
3		MB-3213P		2.4988/2.4998	0.0005/0.0032	0.0936	2.6870/2.6880	0.8690
4		MB-3494P		2.4988/2.4998	0.0018/0.0030	0.0935	2.6870/2.6880	0.8690
NOTE: 1995-2004								
Cam Bearing Set	AL-3	SH-1448S	STD					
1-4		SH-1448		1.7850/1.7860	0.0005/0.0055	0.0745	1.9355/1.9375	0.7500
2-3		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300
NOTE: 1991-1995								
Cam Bearing Set	AL-3	SH-1812S	STD					
1-4		SH-1812		1.8448/1.8462	0.0005/0.0055	0.0744	1.9755/1.9775	0.7600
2-3		SH-1813		1.8448/1.8462	0.0005/0.0055	0.0644	1.9755/1.9775	0.6300
NOTE: 1996-2004								
Piston Pin Bushing(6)	C-1	223-3646	STD			0.1260		0.8500
NOTE: 1995-2003, Requires Light Reaming								
Connecting Rod	20 Lbs.Ft. Plus 50 Degrees							
Main Bearing	26 Lbs.Ft. Plus 50 Degrees							
57	235 CID (3.9L) Chevrolet 6 Cyl (1950-1962)				3.563in./90.5mm x 3.938in./100mm			57
	235 CID (3.9L) Corvette Chevrolet 6 Cyl (1953-1955)				3.563in./90.5mm x 3.938in./100mm			
Rod Bearing(6)	TM-77	CB-416P	STD,1,2,10,20,30,40,50,C60	2.3110/2.3120	0.0011/0.0036	0.0621	2.4367/2.4372	1.0330
NOTE: 1953-1962								
Rod Bearing(6)	B-1	CB-503B	STD,10,20,30,40,60	2.3110/2.3120	0.0005/0.0031	0.0455	2.4030/2.4040	1.2350
NOTE: 1950-1953, Precision Insert Bearing Type								
Con. Rod Bearing Shim Set		SM-104S	STD					
		SM-106				0.0080		
NOTE: 1950-1953								
Main Bearing Set	TM-77	MS-189P-10	20					
1		MB-1690P		2.6835/2.6845	0.0008/0.0039	0.0955	2.8760/2.8775	1.0980
2		MB-1691P		2.7415/2.7155	0.0008/0.0039	0.0955	2.9070/2.9085	0.9420
3		MB-1692P(F)		2.7455/2.7465	0.0008/0.0039	0.0955	2.9380/2.9395	1.2430
4		MB-1693P		2.7765/2.7775	0.0008/0.0039	0.0955	2.9690/2.9705	1.2240
NOTE: 1953-1955,Dowel Pin Type Main Bearings,Under Normal Conditions Main Bearings Should Be Assembled With A .004" Shim Pack On Each Side Between The Caps And The Block, But Not To Extend Between The Bearing Parting Line Surface. Remove Shims To Give Slight Drag, Then Add One .002" Shim To One Side.								
Main Bearing Set	TM-77	MS-197P	STD,10,20,30,40					
1		MB-1721P		2.6835/2.6845	0.0006/0.0036	0.0955	2.8760/2.8770	1.0980
2		MB-1722P		2.7145/2.7155	0.0006/0.0036	0.0955	2.9070/2.9080	0.9420
3		MB-1723P(F)		2.7455/2.7465	0.0006/0.0036	0.0955	2.9380/2.9390	1.2430
4		MB-1724P		2.7765/2.7775	0.0006/0.0036	0.0955	2.9690/2.9700	1.2240
NOTE: 1955-1962, Locking Lip Type Upper Half Main Bearings, Under Normal Conditions Main Bearings Should Be Assembled With A .004" Shim Pack On Each Side Between The Caps And The Block, But Not To Extend Between The Bearing Parting Line Surface. Remove Shims To Give Slight Drag, Then Add One .002" Shim To One Side.								



GENERAL MOTORS CORP. (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
57 (Cont.)	235 CID (3.9L) Chevrolet 6 Cyl (1950-1962)				3.563in./90.5mm x 3.938in./100mm				57 (Cont.)
	235 CID (3.9L) Corvette Chevrolet 6 Cyl (1953-1955)				3.563in./90.5mm x 3.938in./100mm				
Main Bearing Shim Set		SM-105S	STD	0.0060 0.0060					
		SM-107							
		SM-108							
NOTE: 1950-1953									
Main Bearing Shim Set		SM-124S	STD	0.0080 0.0080					
		SM-140							
		SM-141							
NOTE: 1953-1962									
Cam Bearing Set	B-1	SH-209S	STD,10	2.0282/2.0292 0.0005/0.0050 0.0649 2.1590/2.1610 1.1350 1.9657/1.9667 0.0005/0.0050 0.0649 2.0965/2.0985 0.9470 1.9032/1.9042 0.0005/0.0050 0.0649 2.0340/2.0360 0.9470 1.8407/1.8417 0.0005/0.0050 0.0649 1.9715/1.9735 0.9470					
1		SH-33							
2		SH-34							
3		SH-35							
4		SH-209							
NOTE: 1950-1953, 1954 With 2.029" Diameter Number 1 Camshaft Journal,Small Journals									
Cam Bearing Set	TM-77	SH-383S	STD	2.1537/2.1547 0.0005/0.0050 0.0645 2.2840/2.2860 1.1300 2.0912/2.0922 0.0005/0.0050 0.0645 2.2215/2.2235 0.9500 2.0287/2.0297 0.0005/0.0050 0.0645 2.1590/2.1610 0.9500 1.9662/1.9672 0.0010/0.0050 0.0644 2.0970/2.0980 0.9470					
1		SH-263							
2		SH-264							
3		SH-265							
4		SH-383							
NOTE: 1955-1962, 1954 With 2.154" Diameter Number 1 Camshaft Journal,Large Journals									
Piston Pin Bushing(12)	C-1	223-3417	STD	0.2480 1.3600/1.3660 2.9700					
NOTE: 1950-1953, Cast Iron Piston, 2 Per Piston,Requires Light Reaming									
Rod Forging C/S Forging	1491, 6410, 838389, 839558, 3701491, 3701890, 3702448, 3835184, 3835274, 3835324, 3835609, 3836410, 3836456, 3836671, 3836964 P, 839750, 3660345, 3701486, 3701488, 3701894, 3770324, 3770327, 3826271, 3835311, 3835501, 3835709, 3701488-A, 3835709PG								
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 100 To 110 Lbs.Ft.								
58	250 CID (4.1L) Chevrolet 6 Cyl (1966-1984)				3.875in./98.4mm x 3.531in./89.7mm				58
Rod Bearing(6)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420	
Main Bearing Set	TM-77	MS-617P	STD,1,10,20,30,40	2.2983/2.2993 0.0003/0.0033 0.0955 2.4906/2.4916 0.8070 2.2983/2.2993 0.0006/0.0036 0.0955 2.4906/2.4916 1.0090					
1-2-3-4-5-6		MB-3135P							
7		MB-2588P(F)							
Cam Bearing Set	AL-3	SH-399S	STD,10	1.8682/1.8692 0.0005/0.0050 0.0697 2.0090/2.0110 0.8700 1.8682/1.8692 0.0005/0.0050 0.0647 1.9990/2.0010 0.8700					
1-4		SH-399							
2-3		SH-400							
NOTE: 1966-1970									
Cam Bearing Set	AL-3	SH-718S	STD,10	1.8682/1.8692 0.0005/0.0050 0.0647 1.9990/2.0010 0.8700					
1-2-3-4		SH-400							
NOTE: 1971-1984									
Rod Forging C/S Forging	3788435, 3788437, 3837419, 3977110, 9793328 460407, 480407, 3855914, 3876802, 3876804, 3876840, 9790154								
Connecting Rod Main Bearing	35 To 45 Lbs.Ft. 60 To 70 Lbs.Ft.								
59	254 CID (4.2L) LL8 Vortec 4200 DOHC 24 Valve Chevrolet 6 Cyl (2002-2007)				3.661in./93mm x 4.016in./102mm				59
Rod Bearing(6)	TM-77	CB-1811P	STD,10,20	2.2319/2.2325	0.0002/0.0024	0.0711	2.3749/2.3755	0.8110	
Rod Bearing(6)	TM-77	CB-1816P-10	20	2.2319/2.2325	0.0002/0.0024	0.0721	2.3769/2.3775	0.8110	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	AL-3	MS-2224AL	STD,10,20	2.7546/2.7552 0.0003/0.0020 0.1592 3.0736/3.0743 0.8141 2.7546/2.7552 0.0003/0.0020 0.1592 3.0736/3.0743 0.9980					
1-2-3-4-6-7		MB-3781P							
5		MB-3782P(F)							
Piston Pin Bushing(6)	C-1	223-3664	STD	0.9054/0.9055 0.0540 1.0133/1.0148 0.9350					
Piston Pin Bushing(6)	C-1	223-3668	STD	0.9054/0.9055 0.0630 1.0133/1.0148 0.9350					
NOTE: Requires Boring									
60	260 CID (4.3L) Oldsmobile Diesel V6 Cyl (1982-1985)				4.057in./103mm x 3.385in./86mm				60
Rod Bearing(6)	TM-77	CB-1366P	STD,10	2.2490/2.2500	0.0005/0.0025	0.0618	2.3742/2.3750	0.8750	



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
60 (Cont.)	260 CID (4.3L) Oldsmobile Diesel V6 Cyl (1982-1985)			4.057in./103mm x 3.385in./86mm				60 (Cont.)
Cam Bearing Set	AL-3	SH-1356S	STD					
1		SH-1359		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
Piston Pin Bushing(6)	C-1	223-3555	STD			0.0620	1.1950/1.1965	0.9750
NOTE: Requires Boring								
Rod Forging	0997, 380282, 380283, 380383, 398410, 410997							
C/S Forging	230276, 230376, 230905, 381269, 381919, 388766, 390275, 393654, 395654, 398261, 398621, 418882, 556607, 1235419, 1375802, 1398346							
Connecting Rod	42 Lbs.Ft.							
Main Bearing	107 Lbs.Ft. (1982)							
Main Bearing	89 Lbs.Ft. (1983-1985,)							
61	261 CID (4.3L) Chevrolet 6 Cyl (1954-1962)			3.750in./95.3mm x 3.938in./100mm				61
Rod Bearing(6)	TM-77	CB-416P	STD,1,2,10,20,30,40,50,C60	2.3110/2.3120	0.0011/0.0036	0.0621	2.4367/2.4372	1.0330
Main Bearing Set	TM-77	MS-189P-10	20					
1		MB-1690P		2.6835/2.6845	0.0008/0.0039	0.0955	2.8760/2.8775	1.0980
2		MB-1691P		2.7415/2.7155	0.0008/0.0039	0.0955	2.9070/2.9085	0.9420
3		MB-1692P(F)		2.7455/2.7465	0.0008/0.0039	0.0955	2.9380/2.9395	1.2430
4		MB-1693P		2.7765/2.7775	0.0008/0.0039	0.0955	2.9690/2.9705	1.2240
NOTE: 1954-1955, Dowel Pin Type Main Bearings, Under Normal Conditions Main Bearings Should Be Assembled With A .004" Shim Pack On Each Side Between The Caps And The Block, But Not To Extend Between The Bearing Parting Line Surface. Remove Shims To Give Slight Drag, Then Add One .002" Shim To One Side., Use With Part Number SM-124S								
Main Bearing Set	TM-77	MS-197P	STD,10,20,30,40					
1		MB-1721P		2.6835/2.6845	0.0006/0.0036	0.0955	2.8760/2.8770	1.0980
2		MB-1722P		2.7145/2.7155	0.0006/0.0036	0.0955	2.9070/2.9080	0.9420
3		MB-1723P(F)		2.7455/2.7465	0.0006/0.0036	0.0955	2.9380/2.9390	1.2430
4		MB-1724P		2.7765/2.7775	0.0006/0.0036	0.0955	2.9690/2.9700	1.2240
NOTE: 1955-1962, Locking Lip Type Upper Half Main Bearings, Under Normal Conditions Main Bearings Should Be Assembled With A .004" Shim Pack On Each Side Between The Caps And The Block, But Not To Extend Between The Bearing Parting Line Surface. Remove Shims To Give Slight Drag, Then Add One .002" Shim To One Side., Use With Part Number SM-124S								
Main Bearing Shim Set		SM-124S	STD					
		SM-140				0.0080		
		SM-141				0.0080		
Cam Bearing Set	B-1	SH-209S	STD,10					
1		SH-33		2.0282/2.0292	0.0005/0.0050	0.0649	2.1590/2.1610	1.1350
2		SH-34		1.9657/1.9667	0.0005/0.0050	0.0649	2.0965/2.0985	0.9470
3		SH-35		1.9032/1.9042	0.0005/0.0050	0.0649	2.0340/2.0360	0.9470
4		SH-209		1.8407/1.8417	0.0005/0.0050	0.0649	1.9715/1.9735	0.9470
NOTE: 1954, 2.029" Diameter Number 1 Camshaft Journal,Small Journals								
Cam Bearing Set	TM-77	SH-383S	STD					
1		SH-263		2.1537/2.1547	0.0005/0.0050	0.0645	2.2840/2.2860	1.1300
2		SH-264		2.0912/2.0922	0.0005/0.0050	0.0645	2.2215/2.2235	0.9500
3		SH-265		2.0287/2.0297	0.0005/0.0050	0.0645	2.1590/2.1610	0.9500
4		SH-383		1.9662/1.9672	0.0010/0.0050	0.0644	2.0970/2.0980	0.9470
NOTE: 1955-1962, 1954 With 2.154" Diameter Number 1 Camshaft Journal,Large Journals								
Rod Forging	1491, 6410, 3701491, 3702448, 3836410, 3836456, 3836671, 3836964							
C/S Forging	P, 3701486, 3701488, 3701894, 3770324, 3770327, 3701488-A							
Connecting Rod	35 To 45 Lbs.Ft.							
Main Bearing	100 To 110 Lbs.Ft.							
62	262 CID (4.3L) Chevrolet V6 Cyl (1985-1996)			4.000in./101.6mm x 3.484in./88.5mm				62
	262 CID (4.3L) LB4 (ZR9/Z79) Turbo Chevrolet Turbocharged/Intercooled V6 Cyl (1991-1993)			4.000in./101.6mm x 3.484in./88.5mm				
Rod Bearing(6)	AL-5	CB-1358A	STD,10,20,30	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	TM-77	CB-1358P	STD,10,20,30,40	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
62 (Cont.)	262 CID (4.3L) Chevrolet V6 Cyl (1985-1996)			4.000in./101.6mm x 3.484in./88.5mm				62 (Cont.)
	262 CID (4.3L) LB4 (ZR9/Z79) Turbo Chevrolet Turbocharged/Intercooled V6 Cyl (1991-1993)			4.000in./101.6mm x 3.484in./88.5mm				
Rod Bearing(6)	AL-5	CB-1794A	STD,10,20,30	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1794P	STD,10,20,30,40	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3	AL-5	MS-1454A-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508A		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
		MB-2509A(F)						
Main Bearing Set 1-2-3	TM-77	MS-1454P	STD,1,10,20,30,40	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
		MB-2509P(F)						
Main Bearing Set 1-2-3	TM-77	MS-1628P-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
		MB-2981P(F)						
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3	TM-77	MS-1684P-20		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
		MB-3060P(F)						
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3	TM-77	MS-2215P-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
		MB-3119P(F)						
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1	AL-3	SH-1350S	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-4		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
		SH-1351						
NOTE: 1985-1991, 1992-1996, Except Engines Stamped With Identification Number Located On Front Of Block Starting With "T"								
Cam Bearing Set 1-4	AL-3	SH-1351S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
3		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
		SH-1350						
NOTE: 1992-1996, Engines Stamped With Identification Number On Front Of Block Starting With "T"								
Balance Shaft Bearing Set		SH-1798S	STD					
Rear		SH-1798		1.4986/1.5000	0.0011/0.0047	0.1882	1.8735/1.8745	0.8350
NOTE: 1992-1996, Except Engines With Roller Bearings								
C/S Forging	09N, 1.9, 11M, 143, 147, 003K, 003N, 10-B, 726N, 1174N, 1354N, 135411, 020201A1							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							
63	262 CID (4.3L) Vortec 4300 Chevrolet V6 Cyl (1992-2007)			4.000in./101.6mm x 3.484in./88.5mm				63
Rod Bearing(6)	AL-5	CB-1358A	STD,10,20,30	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	TM-77	CB-1358P	STD,1,10,20,30,40	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	AL-5	CB-1794A	STD,10,20,30	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1794P-10	20,30,40	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3	AL-5	MS-1454A-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508A		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
		MB-2509A(F)						
Main Bearing Set 1-2-3	TM-77	MS-1454P	STD,1,10,20,30,40	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
		MB-2509P(F)						
Main Bearing Set 1-2-3	TM-77	MS-1628P-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
		MB-2981P(F)						
NOTE: Contains .020" Oversize Length Flanged Bearing								



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
63 (Cont.)	262 CID (4.3L) Vortec 4300 Chevrolet V6 Cyl (1992-2007)			4.000in./101.6mm x 3.484in./88.5mm				63 (Cont.)
Main Bearing Set 1-2-3 4	TM-77	MS-1684P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-2215P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-4 3	AL-3	SH-1350S SH-1349 SH-1350 SH-1351	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: 1992-2007, Except Engines Stamped With Identification Number Located On Front Of Block Starting With "T"								
Cam Bearing Set 1-4 2 3	AL-3	SH-1351S SH-1349 SH-1351 SH-1350	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0644 0.0694	2.0190/2.0210 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500
NOTE: 1992-2007, Engines Stamped With Identification Number On Front Of Block Starting With "T"								
Balance Shaft Bearing Set Rear		SH-1798S SH-1798	STD	1.4986/1.5000	0.0011/0.0047	0.1882	1.8735/1.8745	0.8350
NOTE: 1992-2007, Except Engines With Roller Bearings								
C/S Forging	143, 147, 726N, 1354N, 135411							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							
64	292 CID (4.8L) Chevrolet 6 Cyl (1963-1989)			3.875in./98.4mm x 4.125in./104.8mm				64
Rod Bearing(6)	AL-5	CB-663A	STD,10,20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(6)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(6)	AL-5	CB-1776A	STD,10,20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4-5-6 7	TM-77	MS-617P MB-3135P MB-2588P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2983/2.2993	0.0003/0.0033 0.0006/0.0036	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.0090
Cam Bearing Set 1-4 2-3	AL-3	SH-399S SH-399 SH-400	STD,10	1.8682/1.8692 1.8682/1.8692	0.0005/0.0050 0.0005/0.0050	0.0697 0.0647	2.0090/2.0110 1.9990/2.0010	0.8700 0.8700
NOTE: 1963-1970								
Cam Bearing Set 1-2-3-4	AL-3	SH-718S SH-400	STD,10	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
NOTE: 1971-1989								
Rod Forging	9420, 3789419, 3789422							
C/S Forging	0363, 4653, 2774220, 3299990, 3789412, 3855914, 3879412, 3884653, 3886061, 3910362, 3910363, 2774220N, 3298880N, 3299990N, 3855914N							
Connecting Rod	30 To 35 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
65	305 CID (5.0L) General Motors V6 Cyl (1960-1974)			4.250in./108mm x 3.578in./90.8mm				65
	351 CID (5.8L) General Motors V6 Cyl (1960-1972)			4.563in./115.9mm x 3.578in./90.8mm				
	351 CID (5.8L) D351 General Motors Diesel V6 Cyl (1964-1967)			4.563in./115.9mm x 3.578in./90.8mm				
	401 CID (6.6L) General Motors V6 Cyl (1960-1972)			4.875in./123.8mm x 3.578in./90.8mm				
	478 CID (7.8L) General Motors V6 Cyl (1964-1974)			5.125in./130.2mm x 3.859in./98mm				
	478 CID (7.8L) General Motors Diesel V6 Cyl (1964-1974)			5.125in./130.2mm x 3.859in./98mm				
Rod Bearing(6)	TM-77	CB-586P	STD,10,20,30,40,C60	2.8112/2.8122	0.0015/0.0040	0.1014	3.0160/3.0165	0.9400



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
65 (Cont.)	305 CID (5.0L) General Motors V6 Cyl (1960-1974)				4.250in./108mm x 3.578in./90.8mm			65 (Cont.)
	351 CID (5.8L) General Motors V6 Cyl (1960-1972)				4.563in./115.9mm x 3.578in./90.8mm			
	351 CID (5.8L) D351 General Motors Diesel V6 Cyl (1964-1967)				4.563in./115.9mm x 3.578in./90.8mm			
	401 CID (6.6L) General Motors V6 Cyl (1960-1972)				4.875in./123.8mm x 3.578in./90.8mm			
	478 CID (7.8L) General Motors V6 Cyl (1964-1974)				5.125in./130.2mm x 3.859in./98mm			
	478 CID (7.8L) General Motors Diesel V6 Cyl (1964-1974)				5.125in./130.2mm x 3.859in./98mm			
Main Bearing Set 1-2-4 3	TM-77	MS-521P-10 MB-2009P MB-2010P(F)	20	3.1237/3.1247 3.1237/3.1247	0.0016/0.0046 0.0016/0.0046	0.0995 0.0995	3.3250/3.3260 3.3250/3.3260	1.1600 1.5290
NOTE: 1960-1972, Undersize Bearings Can Be Used But The Crankshaft Must Be Rehardened By The TUFFTRIDED Process								
Piston Pin Bushing(6)	C-1	223-3512	STD	0.0460			1.3125/1.3135	1.2920
NOTE: Requires Boring								
Rod Forging C/S Forging	2389554, 2434826, 2448949, 2470891, 2474281, 2477425, 2484084 12231, 651827, 672016, 2364417, 2366209, 2367417, 2419583, 2454001, 2454017, 2454191, 2454192, 2475494, 2475793, 2475794, 2475795, 2475796, 2566209, 2867417, 8877367							
Connecting Rod	55 To 65 Lbs.Ft. (351 CID (5.8L) D351,478 CID (7.8L) DH478)							
Connecting Rod	65 To 75 Lbs.Ft. (305 CID (5.0L) ,351 CID (5.8L) ,401 CID (6.6L) ,478 CID (7.8L) L29)							
Main Bearing	130 To 140 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	170 To 180 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	55 To 65 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	85 To 95 Lbs.Ft. (Rear Bearing Cap)							
66	379 CID (6.2L) General Motors V6 Cyl (1973-1974)				4.563in./115.9mm x 3.859in./98mm			66
432 CID (7.1L) General Motors V6 Cyl (1973-1974)				4.875in./123.8mm x 3.859in./98mm				
Rod Bearing(6)	TM-77	CB-586P	STD,10,20,30,40,C60	2.8112/2.8122	0.0015/0.0040	0.1014	3.0160/3.0165	0.9400
Piston Pin Bushing(6)	C-1	223-3512	STD	0.0460			1.3125/1.3135	1.2920
NOTE: Requires Boring								
Rod Forging C/S Forging	2448949, 2474281, 2484084 672016, 2419583, 8877367							
Connecting Rod	65 To 75 Lbs.Ft.							
67	552 CID (9.0L) 6V-92TA Detroit Diesel Turbocharged/Aftercooled Diesel V6 Cyl (1980-1981)				4.840in./122.9mm x 5.000in./127mm			67
552 CID (9.0L) 6V-92TTAC Detroit Diesel Supercharged Diesel V6 Cyl (1981)				4.840in./122.9mm x 5.000in./127mm				
Rod Bearing(6)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing Set 1-2-3-4 4	TM-112	MS-1385P MB-2687P MB-2523W	STD,10,20,30	4.4990/4.5000 4.7500/4.7600	0.0019/0.0049	0.1552	4.8120/4.8130 5.7300/5.7400	1.2450 0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 4 Position								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600	5.7300/5.7400			0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1385P								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(4)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910	2.1563			0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(6)		223-3548	STD	0.0880				3.2350
NOTE: Crosshead Piston								
8 CYL								
68	215 CID (3.5L) Aluminum Block & Heads Buick V8 Cyl (1961-1963)				3.500in./88.9mm x 2.800in./71.1mm			68
Rod Bearing(8)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
68 (Cont.)	215 CID (3.5L) Aluminum Block & Heads Buick V8 Cyl (1961-1963)				3.500in./88.9mm x 2.800in./71.1mm			68 (Cont.)
Main Bearing Set 1-2-4-5 3	TM-77	MS-558P MB-3135P MB-2075P(F)	STD,10	2.2983/2.2993 2.2983/2.2993	0.0003/0.0033 0.0006/0.0036	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.0580
Rod Forging C/S Forging	205, B7B, 1193339 1193645							
Connecting Rod Main Bearing Main Bearing	30 To 45 Lbs.Ft. 50 To 55 Lbs.Ft. (Except Rear Bearing Cap) 65 To 70 Lbs.Ft. (Rear Bearing Cap)							
69	244 CID (4.0L) L47 Oldsmobile V8 Cyl (1995-2003) 281 CID (4.6L) DOHC (Northstar) Cadillac V8 Cyl (1993-2005)				3.425in./87mm x 3.307in./84mm 3.661in./93mm x 3.307in./84mm			69
Rod Bearing(8)	TM-77	CB-1648P	STD,.25mm,.50mm,.75mm	2.1235/2.1245	0.0002/0.0027	0.0624	2.2494/2.2505	0.7600
Main Bearing Set 1-2-4-5 3	AL-3	MS-2206P MB-3758P MB-3759P(F)	STD,.25mm,.50mm,.75mm	2.5335/2.5340 2.5330/2.5338	0.0011/0.0024 0.0011/0.0024	0.1591 0.1591	2.8516/2.8521 2.8516/2.8521	0.8140 0.9250
NOTE: 1993-2003								
Piston Pin Bushing(8)	C-1	223-3648	STD			0.1008		0.8563
NOTE: 1993-1999, Requires Light Reaming								
Piston Pin Bushing(8)	C-1	223-3662	STD			0.0670	0.9235/0.9247	0.8560
NOTE: 2000-2003, Requires Light Reaming								
70	249 CID (4.1L) Cadillac V8 Cyl (1982-1987) 252 CID (4.1L) Cadillac V8 Cyl (1987-1988) 273 CID (4.5L) Cadillac V8 Cyl (1988-1992) 300 CID (4.9L) L26 Cadillac V8 Cyl (1991-1995)				3.465in./88mm x 3.307in./84mm 3.465in./88mm x 3.307in./84mm 3.622in./92mm x 3.307in./84mm 3.622in./92mm x 3.622in./92mm			70
Rod Bearing(8)	TM-77	CB-1351P	STD,.026mm,.25mm,.50mm,.75mm	1.9269/1.9279	0.0008/0.0034	0.0620	2.0524/2.0530	0.6640
Main Bearing Set 1 2-4 3 5	TM-77	MS-1705P MB-2960P MB-2961P MB-2962P(F) MB-3103P	STD,.026mm,.25mm,.50mm,.75mm	2.6354/2.6364 2.6354/2.6364 2.6354/2.6364 2.6354/2.6364	0.0005/0.0032 0.0009/0.0036 0.0016/0.0043 0.0009/0.0036	0.0962 0.0960 0.0955 0.0960	2.8276/2.8283 2.8276/2.8283 2.8276/2.8283 2.8276/2.8283	0.9500 0.9500 1.2920 0.9820
NOTE: Use A .026mm Undersize Bearing In Position 1 If Oil Clearance Greater Than .0040"								
Cam Bearing Set 1 2 3 4 5	B-1	SH-1371S SH-1371 SH-1372 SH-1373 SH-1374 SH-1375	STD	2.0358/2.0366 2.0157/2.0165 1.9957/1.9965 1.9756/1.9764 1.9559/1.9567	0.0010/0.0045 0.0011/0.0046 0.0011/0.0046 0.0012/0.0047 0.0009/0.0044	0.0652 0.0652 0.0652 0.0652 0.0652	2.1680/2.1695 2.1480/2.1495 2.1280/2.1295 2.1080/2.1095 2.0880/2.0895	0.5960 0.5960 0.5960 0.5960 0.5960
Rod Forging C/S Forging	63, 099, 875 1617590, 1629091, 1646737, 3520090							
Connecting Rod Main Bearing	22 Lbs.Ft. 85 Lbs.Ft.							
71	260 CID (4.3L) LF7 Oldsmobile Diesel V8 Cyl (1979) 350 CID (5.7L) Oldsmobile Diesel V8 Cyl (1978-1985)				3.500in./88.9mm x 3.385in./86mm 4.057in./103mm x 3.385in./86mm			71
Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40	2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310
Main Bearing Set 1 2-4 3 5	TM-77	MS-804P MB-2362P MB-2163P MB-2363P(F) MB-2364P	STD,10,20,30	2.9993/3.0003 2.9993/3.0003 2.9993/3.0003 2.9993/3.0003	0.0008/0.0038 0.0008/0.0038 0.0008/0.0038 0.0016/0.0049	0.0936 0.0936 0.0936 0.0932	3.1880/3.1890 3.1880/3.1890 3.1880/3.1890 3.1880/3.1890	0.9800 0.9790 1.1950 1.6290
Cam Bearing Set 1 2 3 4 5	AL-3	SH-1355S SH-1359 SH-1355 SH-1356 SH-1357 SH-1358	STD	2.0357/2.0365 2.0157/2.0165 1.9957/1.9965 1.9757/1.9765 1.9557/1.9565	0.0020/0.0060 0.0020/0.0060 0.0020/0.0060 0.0020/0.0060 0.0020/0.0060	0.0648 0.0648 0.0648 0.0648 0.0648	2.1680/2.1695 2.1480/2.1495 2.1280/2.1295 2.1080/2.1095 2.0880/2.0895	0.6980 0.6980 0.6980 0.6980 0.6980
Piston Pin Bushing(8)	C-1	223-3555	STD			0.0620	1.1950/1.1965	0.9750
NOTE: Requires Boring								



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
71 (Cont.)	260 CID (4.3L) LF7 Oldsmobile Diesel V8 Cyl (1979)				3.500in./88.9mm x 3.385in./86mm			71 (Cont.)
	350 CID (5.7L) Oldsmobile Diesel V8 Cyl (1978-1985)				4.057in./103mm x 3.385in./86mm			
Rod Forging	0997, 380282, 380283, 380383, 398410, 410997							
C/S Forging	230276, 230376, 230905, 381269, 381919, 388766, 390275, 393654, 395654, 398261, 398621, 418882, 556607, 1235419, 1375802, 1398346							
Connecting Rod	42 Lbs.Ft.							
Main Bearing	120 Lbs.Ft.							
72	260 CID (4.3L) LV8 Oldsmobile V8 Cyl (1975-1982)				3.500in./88.9mm x 3.385in./86mm			72
	350 CID (5.7L) Oldsmobile V8 Cyl (1968-1980)				4.057in./103mm x 3.385in./86mm			
Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40	2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310
Main Bearing Set	TM-77	MS-805P	STD,1,10,20,30					
1		MB-2365P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
2-4		MB-2251P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
3		MB-2252P(F)		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	1.1950
5		MB-2253P		2.4985/2.4995	0.0014/0.0044	0.0932	2.6870/2.6880	1.6290
Cam Bearing Set	AL-3	SH-1354S	STD					
1		SH-1354		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
NOTE: 1968-1976								
Cam Bearing Set	AL-3	SH-1355S	STD					
1		SH-1359		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
NOTE: 1977-1982								
Rod Forging	0997, 380282, 380283, 380383, 398410, 410997							
C/S Forging	230276, 230376, 230905, 381269, 381919, 388766, 390275, 393654, 395654, 398261, 398621, 418882, 556607, 1235419, 1375802, 1398346							
Connecting Rod	42 Lbs.Ft.							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)							
73	262 CID (4.3L) Chevrolet V8 Cyl (1975-1976)				3.670in./93.2mm x 3.100in./78.7mm			73
	265 CID (4.3L) L99 Chevrolet V8 Cyl (1994-1996)				3.750in./95.3mm x 3.000in./76.2mm			
	267 CID (4.4L) Chevrolet V8 Cyl (1980-1982)				3.500in./88.9mm x 3.484in./88.5mm			
	267 CID (4.4L) L39 Chevrolet V8 Cyl (1979-1982)				3.500in./88.9mm x 3.484in./88.5mm			
	305 CID (5.0L) Chevrolet V8 Cyl (1976-2002)				3.736in./95mm x 3.484in./88.5mm			
	305 CID (5.0L) Chevrolet LPG V8 Cyl (1976-1994)				3.736in./95mm x 3.484in./88.5mm			
	307 CID (5.0L) Chevrolet V8 Cyl (1968-1973)				3.875in./98.4mm x 3.250in./82.6mm			
	350 CID (5.7L) Chevrolet LPG V8 Cyl (1967-1985)				4.000in./101.6mm x 3.484in./88.5mm			
	350 CID (5.7L) Carbureted Chevrolet V8 Cyl (1967-1989)				4.000in./101.6mm x 3.484in./88.5mm			
350 CID (5.7L) Fuel Injected Chevrolet V8 Cyl (1982-2002)				4.000in./101.6mm x 3.484in./88.5mm				
350 CID (5.7L) Vortec 5700 L31/KL5 Chevrolet CNG V8 Cyl (1995-2000)				4.000in./101.6mm x 3.484in./88.5mm				
Rod Bearing(8)	AL-5	CB-663A	STD,10,20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A	STD,10,20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-909A-10	20,30					
1-2-3-4		MB-2508A		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set	TM-77	MS-909P	STD,1,2,10,20,30,40,C60					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1626P-10	20,30,40					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
73 (Cont.)	262 CID (4.3L) Chevrolet V8 Cyl (1975-1976)			3.670in./93.2mm x 3.100in./78.7mm				73 (Cont.)
	265 CID (4.3L) L99 Chevrolet V8 Cyl (1994-1996)			3.750in./95.3mm x 3.000in./76.2mm				
	267 CID (4.4L) Chevrolet V8 Cyl (1980-1982)			3.500in./88.9mm x 3.484in./88.5mm				
	267 CID (4.4L) L39 Chevrolet V8 Cyl (1979-1982)			3.500in./88.9mm x 3.484in./88.5mm				
	305 CID (5.0L) Chevrolet V8 Cyl (1976-2002)			3.736in./95mm x 3.484in./88.5mm				
	305 CID (5.0L) Chevrolet LPG V8 Cyl (1976-1994)			3.736in./95mm x 3.484in./88.5mm				
	307 CID (5.0L) Chevrolet V8 Cyl (1968-1973)			3.875in./98.4mm x 3.250in./82.6mm				
	350 CID (5.7L) Chevrolet LPG V8 Cyl (1967-1985)			4.000in./101.6mm x 3.484in./88.5mm				
	350 CID (5.7L) Carbureted Chevrolet V8 Cyl (1967-1989)			4.000in./101.6mm x 3.484in./88.5mm				
	350 CID (5.7L) Fuel Injected Chevrolet V8 Cyl (1982-2002)			4.000in./101.6mm x 3.484in./88.5mm				
350 CID (5.7L) Vortec 5700 L31/KL5 Chevrolet CNG V8 Cyl (1995-2000)			4.000in./101.6mm x 3.484in./88.5mm					
Main Bearing Set TM-77 MS-1683P-20								
1-2-3-4 MB-2508P				2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5 MB-3060P(F)				2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set TM-77 MS-1744P-10 20,30								
1-2-3-4 MB-2508P				2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5 MB-3119P(F)				2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set B-1 SH-290S STD,10								
1 SH-290				1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5 SH-288				1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4 SH-287				1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
Cam Bearing Set AL-3 SH-1349S STD								
1 SH-1349				1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5 SH-1350				1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4 SH-1351				1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set AL-3 SH-1352S STD								
1-2-3-4-5 SH-1352				1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set AL-3 SH-1401S STD								
1-2-3-4-5 SH-1401				1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging 3185281, 3703526, 3703527, 3784000, 3815281, 3892671, 3916396, 3923282, 3946841								
C/S Forging 30R, 31M, 1130, 1178, 1182, 2680, 2690, 3279, 4577, 4672, 2NABC, 31-87, 3281N, 230376, 306275, 306276, 310514, 354431, 2Y68-76, 329880N, 3732444, 3832442, 3911000, 3911001, 3911011, 391101A, 3912335, 3914681, 3914682, 3930809, 3932444, 3941172, 3941174, 3941184, 4568749								
Connecting Rod 35 Lbs.Ft. (11/32" Bolts)								
Connecting Rod 45 Lbs.Ft. (3/8" Bolts)								
Main Bearing 75 Lbs.Ft.								
74	264 CID (4.3L) Buick V8 Cyl (1954-1955)			3.625in./92.1mm x 3.200in./81.3mm				74
	322 CID (5.3L) Buick V8 Cyl (1953-1956)			4.000in./101.6mm x 3.200in./81.3mm				
Rod Bearing(8) TM-77 CB-426P STD,10				2.2490/2.2500	0.0005/0.0030	0.0619	2.3740/2.3745	0.8860
Rod Forging 1162050, 1168325, 1343144								
C/S Forging 1342999								
Connecting Rod 40 To 45 Lbs.Ft.								
75	265 CID (4.3L) Chevrolet V8 Cyl (1955-1957)			3.750in./95.3mm x 3.000in./76.2mm				75
Rod Bearing(8) TM-77 CB-745P STD,1,2,10,20,30,40,C60				1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set TM-77 MS-429P STD,1,10,20,30,40								
1-2-3-4 MB-3135P				2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
5 MB-1769P(F)				2.2978/2.2988	0.0011/0.0041	0.0955	2.4906/2.4916	1.7180
Cam Bearing Set B-1 SH-287S STD								
1 SH-290				1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2 SH-288				1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4 SH-287				1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
5 SH-289				1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.9500
Cam Bearing Set AL-3 SH-1352S STD								
1-2-3-4-5 SH-1352				1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
75 (Cont.)	265 CID (4.3L) Chevrolet V8 Cyl (1955-1957)				3.750in./95.3mm x 3.000in./76.2mm			75 (Cont.)
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3703526, 3703527, 3784000, 3815281							
C/S Forging	1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3835236TG							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft.							
76	265 CID (4.3L) LS5 Pontiac V8 Cyl (1980-1981)				3.750in./95.3mm x 3.000in./76.2mm			76
	301 CID (4.9L) Pontiac V8 Cyl (1977-1981)				4.000in./101.6mm x 3.000in./76.2mm			
	301 CID (4.9L) Pontiac Turbocharged V8 Cyl (1980-1981)				4.000in./101.6mm x 3.000in./76.2mm			
Rod Bearing(8)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set 1-2-3	TM-77	MS-1415P	STD,10,20	2.9995/3.0005	0.0008/0.0038	0.0935	3.1880/3.1890	0.8700
4		MB-2448P		2.9995/3.0005	0.0008/0.0038	0.0935	3.1880/3.1890	1.0580
5		MB-2449P(F)		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	1.5950
		MB-1891P						
Cam Bearing Set 1-2-3-4-5	B-1	SH-292S SH-292	STD	1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	0.6900
Rod Forging	324							
C/S Forging	525887							
Connecting Rod	28 Lbs.Ft. (301 CID (4.9L) LU8)							
Connecting Rod	35 Lbs.Ft. (265 CID (4.3L) LS5,301 CID (4.9L) L27)							
Main Bearing	100 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	135 Lbs.Ft. (301 CID (4.9L) LU8)							
Main Bearing	70 Lbs.Ft. (Except Rear Bearing Cap)							
77	283 CID (4.6L) Chevrolet V8 Cyl (1957-1967)				3.875in./98.4mm x 3.000in./76.2mm			77
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set 1-2-3-4	TM-77	MS-429P	STD,1,10,20,30,40	2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
5		MB-3135P		2.2978/2.2988	0.0011/0.0041	0.0955	2.4906/2.4916	1.7180
		MB-1769P(F)						
Cam Bearing Set 1	B-1	SH-287S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2		SH-290		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-288		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
5		SH-287		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.9500
		SH-289						
NOTE: 1957-1963								
Cam Bearing Set 1	B-1	SH-290S	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-290		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-288		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
		SH-287						
NOTE: 1964-1967								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3703526, 3703527, 3784000, 3815281							
C/S Forging	1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3835236TG							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft.							
78	287 CID (4.7L) Pontiac V8 Cyl (1955)				3.750in./95.3mm x 3.250in./82.6mm			78
	317 CID (5.2L) General Motors V8 Cyl (1956)				3.937in./100mm x 3.250in./82.6mm			
	336 CID (5.5L) General Motors V8 Cyl (1958-1959)				3.875in./98.4mm x 3.563in./90.5mm			
	347 CID (5.7L) General Motors V8 Cyl (1957)				3.940in./100.1mm x 3.563in./90.5mm			
	370 CID (6.1L) Pontiac V8 Cyl (1958)				4.063in./103.2mm x 3.563in./90.5mm			
Rod Bearing(8)	TM-77	CB-758P	STD,1,10,20,30,40	2.2487/2.2497	0.0015/0.0040	0.0619	2.3745/2.3750	0.8860



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
78 (Cont.)	287 CID (4.7L) Pontiac V8 Cyl (1955)				3.750in./95.3mm x 3.250in./82.6mm			78 (Cont.)
	317 CID (5.2L) General Motors V8 Cyl (1956)				3.937in./100mm x 3.250in./82.6mm			
	336 CID (5.5L) General Motors V8 Cyl (1958-1959)				3.875in./98.4mm x 3.563in./90.5mm			
	347 CID (5.7L) General Motors V8 Cyl (1957)				3.940in./100.1mm x 3.563in./90.5mm			
	370 CID (6.1L) Pontiac V8 Cyl (1958)				4.063in./103.2mm x 3.563in./90.5mm			
Cam Bearing Set	B-1	SH-291S	STD					
1		SH-291		1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	1.0700
2-3-4-5		SH-292		1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	0.6900
Rod Forging	YC115, ZN115, 518114, 518115, 528979, 529907, 532294							
C/S Forging	518047, 521601, 521602, 523206, 528527, 530048, 531369							
Connecting Rod	35 To 45 Lbs.Ft.							
79	294 CID (4.8L) Vortec 4800 LR4 Chevrolet V8 Cyl (1999-2007)				3.780in./96mm x 3.268in./83mm			79
	325 CID (5.3L) Vortec 5300 Chevrolet V8 Cyl (1999-2007)				3.780in./96mm x 3.622in./92mm			
	325 CID (5.3L) Vortec 5300 L59 Chevrolet Flex V8 Cyl (2002-2007)				3.780in./96mm x 3.622in./92mm			
	346 CID (5.7L) LS1 Chevrolet V8 Cyl (1997-2004)				3.898in./99mm x 3.622in./92mm			
	346 CID (5.7L) LS6 Chevrolet V8 Cyl (2001-2005)				3.898in./99mm x 3.622in./92mm			
Rod Bearing(8)	AL-5	CB-663A	STD,10,20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A	STD,10,20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-2199P	STD,10,20,30					
1-2-4-5		MB-3591P		2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	0.8050
3		MB-3592P(F)		2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	1.0280
Cam Bearing Set	B-1	SH-1814S	STD					
1-5		SH-1814		2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6350
2-4		SH-1815		2.1650/2.1670	0.0011/0.0063	0.0740	2.3161/2.3181	0.6350
3		SH-1816		2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
NOTE: 1997-2002, 2003 1st Design; Positions 1 And 5 Housing Bore is 2.3260"/2.3280"								
Cam Bearing Set	B-1	SH-1995S	STD					
1-5		SH-1995		2.1650/2.1670	0.0011/0.0063	0.0890	2.3460/2.3480	0.6350
2-4		SH-1814		2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6350
3		SH-1816		2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
NOTE: 2004-2007, 2003 2nd Design; Positions 1 And 5 Housing Bore is 2.3460"/2.3480"								
Rod Forging	121, 143							
C/S Forging	12552216, 12553482							
80	300 CID (4.9L) Buick V8 Cyl (1964-1967)				3.750in./95.3mm x 3.400in./86.4mm			80
Rod Bearing(8)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set	TM-77	MS-961P	STD,10,20,30					
1-2-4		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
3		MB-2434P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0580
5		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
Main Bearing Set	TM-77	MS-1689P-20	30					
1-2-4		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
3		MB-3063P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0780
5		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1691P-20	30					
1-2-4		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
3		MB-3064P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0980
5		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .040" Oversize Length Flanged Bearing								
Cam Bearing Set	AL-3	SH-1360S	STD					
1		SH-1360		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.7600
2		SH-506		1.7550/1.7560	0.0010/0.0060	0.0643	1.8855/1.8875	0.7600
3		SH-363		1.7250/1.7260	0.0010/0.0060	0.0643	1.8555/1.8575	0.7600
4		SH-364		1.6950/1.6960	0.0010/0.0060	0.0643	1.8255/1.8275	0.7600
5		SH-365		1.6650/1.6660	0.0010/0.0060	0.0643	1.7955/1.7975	0.7600
Rod Forging	1377248							
C/S Forging	1357899, 1378350							



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
80 (Cont.)	300 CID (4.9L) Buick V8 Cyl (1964-1967)				3.750in./95.3mm x 3.400in./86.4mm			80 (Cont.)
Connecting Rod	30 To 40 Lbs.Ft.							
Main Bearing	50 To 55 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	65 To 70 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	95 To 120 Lbs.Ft. (1965)							
81	302 CID (5.0L) Chevrolet V8 Cyl (1967-1969)				4.000in./101.6mm x 3.000in./76.2mm			81
Rod Bearing(8) NOTE: 1968-1969	AL-5	CB-663A	STD,10,20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 1968-1969	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 1967	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Rod Bearing(8) NOTE: 1968-1969, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	AL-5	CB-1776A	STD,10,20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Rod Bearing(8) NOTE: 1968-1969, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Main Bearing Set 1-2-3-4 5 NOTE: 1967	TM-77	MS-429P MB-3135P MB-1769P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2978/2.2988	0.0003/0.0033 0.0011/0.0041	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 1968-1969	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 1968-1969, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 1968-1969, Contains .020" Oversize Length Flanged Bearing	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
Main Bearing Set 1-2-3-4 5 NOTE: 1968-1969, Contains .040" Oversize Length Flanged Bearing	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
Main Bearing Set 1-2-3-4 5 NOTE: 1968-1969, Contains .010" Oversize Length Flanged Bearing	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
Cam Bearing Set 1 2-5 3-4 NOTE: Heavy Duty Engine	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
Cam Bearing Set 1-2-3-4-5 NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
Cam Bearing Set 1-2-3-4-5 NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
Rod Forging C/S Forging	3703526, 3703527, 3784000, 3815281 1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3923278, 3941176, 3835236TG							



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
81 (Cont.)	302 CID (5.0L) Chevrolet V8 Cyl (1967-1969)				4.000in./101.6mm x 3.000in./76.2mm			81 (Cont.)
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft. (2.448" Diameter Main Bearing Journals)							
Main Bearing	80 Lbs.Ft. (2.298" Diameter Main Bearing Journals)							
82	303 CID (5.0L) Rocket V8 Oldsmobile V8 Cyl (1950-1953)				3.750in./95.3mm x 3.438in./87.3mm			82
	324 CID (5.3L) Rocket V8 Oldsmobile V8 Cyl (1954-1956)				3.875in./98.4mm x 3.438in./87.3mm			
Rod Bearing(8)	TM-77	CB-758P	STD,1,10,20,30,40	2.2487/2.2497	0.0015/0.0040	0.0619	2.3745/2.3750	0.8860
NOTE: Can Be Used With Connecting Rod 559360 Which Is Not Rifle Drilled								
Rod Forging	418557, 555645, 559360, 559361							
C/S Forging	5 E, 4XCU, 4ZE1, 4XC-U, 4XCUT, 4XC-UT, 555638, 555699, 559432, 561656, 565624, 565699, 567405, 567943, 508E-6303, 565524DYNA, 565624DYNA							
Connecting Rod	35 To 50 Lbs.Ft. (303 CID (5.0L) Rocket V8)							
Connecting Rod	40 To 45 Lbs.Ft. (324 CID (5.3L) Rocket V8)							
83	307 CID (5.0L) Oldsmobile V8 Cyl (1980-1990)				3.800in./96.5mm x 3.385in./86mm			83
Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40	2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310
Main Bearing Set	TM-77	MS-805P	STD,1,10,20,30					
1		MB-2365P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
2-4		MB-2251P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
3		MB-2252P(F)		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	1.1950
5		MB-2253P		2.4985/2.4995	0.0014/0.0044	0.0932	2.6870/2.6880	1.6290
Cam Bearing Set	AL-3	SH-1355S	STD					
1		SH-1359		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
Piston Pin Bushing(8)	C-1	223-3597	STD			0.0622	1.0830/1.0840	0.9200
NOTE: Requires Boring								
Rod Forging	0997, 380282, 380283, 380383, 398410, 410997							
C/S Forging	230276, 230376, 230905, 381269, 381919, 388766, 390275, 393654, 395654, 398261, 398621, 418882, 556607, 1235419, 1375802, 1398346							
Connecting Rod	42 Lbs.Ft.							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)							
84	324 CID (5.3L) OHV General Motors V8 Cyl (1955-1956)				3.875in./98.4mm x 3.438in./87.3mm			84
Rod Bearing(8)	TM-77	CB-758P	STD,1,10,20,30,40	2.2487/2.2497	0.0015/0.0040	0.0619	2.3745/2.3750	0.8860
NOTE: Can Be Used With Connecting Rod 559360 Which Is Not Rifle Drilled								
Piston Pin Bushing(8)	B	223-3598	STD			0.0411	1.0360/1.0380	1.1900
NOTE: Requires Boring								
Rod Forging	418557, 555645, 559360, 559361							
C/S Forging	559432, 561656, 565624, 565699, 567405, 567943, 565624DYNA							
Connecting Rod	40 To 45 Lbs.Ft.							
85	326 CID (5.3L) Pontiac V8 Cyl (1963-1967)				3.719in./94.5mm x 3.750in./95.3mm			85
	350 CID (5.7L) Pontiac V8 Cyl (1968-1977)				3.875in./98.4mm x 3.750in./95.3mm			
	400 CID (6.6L) Pontiac V8 Cyl (1967-1979)				4.120in./104.6mm x 3.750in./95.3mm			
Rod Bearing(8)	TM-77	CB-758P	STD,1,10,20,30,40	2.2487/2.2497	0.0015/0.0040	0.0619	2.3745/2.3750	0.8860
Main Bearing Set	TM-1	MS-483G	STD,10,20,30					
1-2-3		MB-1889G		2.9990/3.0000	0.0007/0.0033	0.0938	3.1880/3.1890	0.9430
4		MB-1890G(F)		2.9990/3.0000	0.0007/0.0033	0.0938	3.1880/3.1890	1.1350
5		MB-1891P		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	1.5950
NOTE: Contains Partial Grooved Main Bearings								
Main Bearing Set	TM-77	MS-496P	STD,10,20,30					
1-2-3		MB-1917P		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	0.9430
4		MB-1918P(F)		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	1.1350
5		MB-1891P		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	1.5950
NOTE: Contains Full Grooved Bearings								
Cam Bearing Set	B-1	SH-292S	STD					
1-2-3-4-5		SH-292		1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	0.6900



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
85 (Cont.)	326 CID (5.3L) Pontiac V8 Cyl (1963-1967)				3.719in./94.5mm x 3.750in./95.3mm			85 (Cont.)
	350 CID (5.7L) Pontiac V8 Cyl (1968-1977)				3.875in./98.4mm x 3.750in./95.3mm			
	400 CID (6.6L) Pontiac V8 Cyl (1967-1979)				4.120in./104.6mm x 3.750in./95.3mm			
Rod Forging	529007, 529238, 529938, 532294, 541000, 544956							
C/S Forging	4813, 97954, 103427, 481379, 481380, 493654, 496452, 531369, 541585, 544191, 9773382, 9773383, 9773524, 9773573, 9782646, 9782770, 9783785, 9783786, 9793573, 9794054, 9795479							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	95 Lbs.Ft. (Except Rear Bearing Cap)							
86	327 CID (5.4L) Chevrolet V8 Cyl (1962-1969)				4.000in./101.6mm x 3.250in./82.6mm			86
	327 CID (5.4L) Chevrolet LPG V8 Cyl (1962-1969)				4.000in./101.6mm x 3.250in./82.6mm			
Rod Bearing(8) NOTE: 1968-1969	AL-5	CB-663A	STD,10,20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 1968-1969	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 1962-1967	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Rod Bearing(8) NOTE: 1968-1969, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	AL-5	CB-1776A	STD,10,20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Rod Bearing(8) NOTE: 1968-1969, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Main Bearing Set 1-2-3-4 5 NOTE: 1962-1967	TM-77	MS-429P MB-3135P MB-1769P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2978/2.2988	0.0003/0.0033 0.0011/0.0041	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 1968-1969	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 1968-1969, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 1968-1969, Contains .020" Oversize Length Flanged Bearing	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
Main Bearing Set 1-2-3-4 5 NOTE: 1968-1969, Contains .040" Oversize Length Flanged Bearing	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
Main Bearing Set 1-2-3-4 5 NOTE: 1968-1969, Contains .010" Oversize Length Flanged Bearing	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
Cam Bearing Set 1 2 3-4 5 NOTE: 1962-1963	B-1	SH-287S SH-290 SH-288 SH-287 SH-289	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644 0.0694	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500 0.9500
Cam Bearing Set 1 2-5 3-4 NOTE: 1964-1969	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
Cam Bearing Set 1 2-5 3-4 NOTE: 1964-1969, Heavy Duty Engine	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
86 (Cont.)	327 CID (5.4L) Chevrolet V8 Cyl (1962-1969)			4.000in./101.6mm x 3.250in./82.6mm				86 (Cont.)
	327 CID (5.4L) Chevrolet LPG V8 Cyl (1962-1969)			4.000in./101.6mm x 3.250in./82.6mm				
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3185281, 3703526, 3703527, 3784000, 3815281 1130, 1178, 1182, 2680, 3279, 4577, 4672, 3782680, 3782690, 3815822, 3911000, 3911001, 3911011, 391101A, 3914681, 3914682, 3930809, 3941172, 3941174, 5782680							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft. (2.298" Diameter Main Bearing Journals)							
Main Bearing	75 Lbs.Ft. (2.448" Diameter Main Bearing Journals)							
87	330 CID (5.4L) OHV Oldsmobile V8 Cyl (1964-1967)			3.938in./100mm x 3.385in./86mm				87
Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40	2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310
Main Bearing Set 1-2-4 3 5	TM-77	MS-697P MB-2365P MB-2252P(F) MB-2253P	STD,10,20	2.4985/2.4995 2.4985/2.4995 2.4985/2.4995	0.0006/0.0036 0.0006/0.0036 0.0014/0.0044	0.0936 0.0936 0.0932	2.6870/2.6880 2.6870/2.6880 2.6870/2.6880	0.9800 1.1950 1.6290
NOTE: First Series,Engines With Full Grooved Front Main Bearing								
Main Bearing Set 1 2-4 3 5	TM-77	MS-805P MB-2365P MB-2251P MB-2252P(F) MB-2253P	STD,1,10,20,30	2.4985/2.4995 2.4985/2.4995 2.4985/2.4995 2.4985/2.4995	0.0006/0.0036 0.0006/0.0036 0.0006/0.0036 0.0014/0.0044	0.0936 0.0936 0.0936 0.0932	2.6870/2.6880 2.6870/2.6880 2.6870/2.6880 2.6870/2.6880	0.9800 0.9800 1.1950 1.6290
NOTE: Second Series,Engines With Grooved Upper And Plain Lower Front Main Bearing								
Cam Bearing Set 1 2 3 4 5	AL-3	SH-1354S SH-1354 SH-1355 SH-1356 SH-1357 SH-1358	STD	2.0357/2.0365 2.0157/2.0165 1.9957/1.9965 1.9757/1.9765 1.9557/1.9565	0.0020/0.0060 0.0020/0.0060 0.0020/0.0060 0.0020/0.0060 0.0020/0.0060	0.0648 0.0648 0.0648 0.0648 0.0648	2.1680/2.1695 2.1480/2.1495 2.1280/2.1295 2.1080/2.1095 2.0880/2.0895	0.6980 0.6980 0.6980 0.6980 0.6980
Rod Forging C/S Forging	0997, 380282, 380283, 380383, 398410, 410997 230276, 230376, 230905, 381269, 381919, 388766, 390275, 393654, 395654, 398261, 398621, 418882, 556607, 1235419, 1375802, 1398346							
Connecting Rod	30 To 42 Lbs.Ft.							
Main Bearing	60 To 80 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	90 To 120 Lbs.Ft. (Rear Bearing Cap)							
88	331 CID (5.4L) OHV Cadillac V8 Cyl (1949-1955)			3.8125in./96.8mm x 3.625in./92.1mm				88
Rod Bearing(8) NOTE: 1949-1954	TM-77	CB-348P	STD,10,20	2.2488/2.2493	0.0010/0.0026	0.0621	2.3740/2.3745	0.9160
Rod Bearing(8) NOTE: 1955	TM-77	CB-472P	STD,10,20,30	2.2488/2.2493	0.0010/0.0030	0.0621	2.3740/2.3745	0.7910
Cam Bearing Set 1-2-3-4 5	B-1	SH-277S SH-277 SH-278	STD	1.7500/1.7507 1.4375/1.4382	0.0005/0.0040 0.0005/0.0040	0.0640 0.0645	1.8792/1.8802 1.5671/1.5687	0.7600 0.8850
Rod Forging C/S Forging	3B, 2AW, 6BC, 14AL, 25AB, 25AD, 27AD, 32AH, 32AL, 35AL, 39AM, 43CE, 49AT, 3508419, 3508991, 3509004, 3509547 1455101, 1462473, 1463473, 3509574							
Connecting Rod	40 Lbs.Ft.							
89	340 CID (5.6L) Buick V8 Cyl (1966-1967)			3.750in./95.3mm x 3.850in./97.8mm				89
Rod Bearing(8)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set 1 2-4 3 5	TM-77	MS-1457P MB-2760P MB-2448P MB-2449P(F) MB-2484P	STD,10,20	2.9995/3.0005 2.9995/3.0005 2.9995/3.0005 2.9995/3.0005	0.0008/0.0038 0.0008/0.0038 0.0008/0.0038 0.0008/0.0038	0.0935 0.0935 0.0935 0.0935	3.1880/3.1890 3.1880/3.1890 3.1880/3.1890 3.1880/3.1890	0.8700 0.8700 1.0580 0.8700



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
89 (Cont.)	340 CID (5.6L) Buick V8 Cyl (1966-1967)				3.750in./95.3mm x 3.850in./97.8mm			89 (Cont.)
Cam Bearing Set	AL-3	SH-1360S	STD					
1		SH-1360		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.7600
2		SH-506		1.7550/1.7560	0.0010/0.0060	0.0643	1.8855/1.8875	0.7600
3		SH-363		1.7250/1.7260	0.0010/0.0060	0.0643	1.8555/1.8575	0.7600
4		SH-364		1.6950/1.6960	0.0010/0.0060	0.0643	1.8255/1.8275	0.7600
5		SH-365		1.6650/1.6660	0.0010/0.0060	0.0643	1.7955/1.7975	0.7600
Rod Forging	351, 561, 942, 1240016, 1241938, 1374562, 1374563							
C/S Forging	1235419, 1260718, 1261119, 1375809, 1378436							
Connecting Rod	30 To 40 Lbs.Ft.							
Main Bearing	95 To 120 Lbs.Ft.							
90	348 CID (5.7L) Chevrolet V8 Cyl (1958-1965)				4.125in./104.8mm x 3.250in./82.6mm			90
	409 CID (6.7L) Chevrolet V8 Cyl (1961-1965)				4.313in./109.6mm x 3.500in./88.9mm			
Rod Bearing(8)	AL-5	CB-743A	STD,10,20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set	TM-77	MS-458P-10						
1-2-3-4		MB-1840P		2.4980/2.4990	0.0007/0.0037	0.0938	2.6870/2.6880	1.0470
5		MB-1841P(F)		2.4980/2.4990	0.0021/0.0051	0.0931	2.6870/2.6880	1.8110
Cam Bearing Set	AL-3	SH-398S	STD					
1		SH-398		1.8682/1.8692	0.0005/0.0050	0.0747	2.0190/2.0210	0.8700
2		SH-399		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
3-4		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
5		SH-401		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.9500
Rod Forging	3732717, 3795624, 3837686							
C/S Forging	0819, 3732692, 3733223, 3733226, 3741640, 3741642, 3788072, 3795589, 3824544, 3824553, 3824554, 3829027, 3837466, 3838396, 0-191561, 0-191561							
Connecting Rod	35 To 45 Lbs.Ft.							
Main Bearing	90 To 100 Lbs.Ft.							
91	350 CID (5.7L) Buick V8 Cyl (1968-1981)				3.800in./96.5mm x 3.850in./97.8mm			91
Rod Bearing(8)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set	TM-77	MS-1457P	STD,10,20					
1		MB-2760P		2.9995/3.0005	0.0008/0.0038	0.0935	3.1880/3.1890	0.8700
2-4		MB-2448P		2.9995/3.0005	0.0008/0.0038	0.0935	3.1880/3.1890	0.8700
3		MB-2449P(F)		2.9995/3.0005	0.0008/0.0038	0.0935	3.1880/3.1890	1.0580
5		MB-2484P		2.9995/3.0005	0.0008/0.0038	0.0935	3.1880/3.1890	0.8700
Cam Bearing Set	AL-3	SH-1361S	STD,10					
1		SH-1360		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.7600
2-3-4-5		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300
Rod Forging	351, 561, 942, 1240016, 1241938, 1374562, 1374563							
C/S Forging	1235419, 1260718, 1261119, 1375809, 1378436							
Connecting Rod	35 Lbs.Ft.							
Main Bearing	95 Lbs.Ft.							
92	403 CID (6.6L) L80 Oldsmobile V8 Cyl (1977-79)				4.351in./110.5mm x 3.385in./86mm			92
Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40	2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310
Main Bearing Set	TM-77	MS-805P	STD,1,10,20,30					
1		MB-2365P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
2-4		MB-2251P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
3		MB-2252P(F)		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	1.1950
5		MB-2253P		2.4985/2.4995	0.0014/0.0044	0.0932	2.6870/2.6880	1.6290
Cam Bearing Set	AL-3	SH-1355S	STD					
1		SH-1359		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
Rod Forging	0997, 380282, 380283, 380383, 398410, 410997							
C/S Forging	230276, 230376, 230905, 381269, 381919, 388766, 390275, 393654, 395654, 398261, 398621, 418882, 556607, 1235419, 1375802, 1398346							
Connecting Rod	42 Lbs.Ft.							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)							



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
93	364 CID (6.0L) Buick V8 Cyl (1957-1961)			4.125in./104.8mm x 3.400in./86.4mm				93
Rod Bearing(8)	TM-77	CB-762P	STD,1,10,20,30,40	2.2490/2.2500	0.0007/0.0032	0.0619	2.3740/2.3745	0.8260
Cam Bearing Set	B-1	SH-361S	STD					
1		SH-361		1.7850/1.7860	0.0010/0.0060	0.0643	1.9155/1.9175	0.7600
2		SH-506		1.7550/1.7560	0.0010/0.0060	0.0643	1.8855/1.8875	0.7600
3		SH-363		1.7250/1.7260	0.0010/0.0060	0.0643	1.8555/1.8575	0.7600
4		SH-364		1.6950/1.6960	0.0010/0.0060	0.0643	1.8255/1.8275	0.7600
5		SH-365		1.6650/1.6660	0.0010/0.0060	0.0643	1.7955/1.7975	0.7600
Rod Forging	3217, 6538, 1173217, 1186538							
C/S Forging	1173217, 1173341, 1186538							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	100 To 110 Lbs.Ft.							
94	365 CID (6.0L) Cadillac V8 Cyl (1956-1958)			4.000in./101.6mm x 3.625in./92.1mm				94
Rod Bearing(8)	TM-77	CB-472P	STD,10,20,30	2.2488/2.2493	0.0010/0.0030	0.0621	2.3740/2.3745	0.7910
Main Bearing Set	TM-77	MS-411P-10						
1-2-3-4		MB-1791P		2.6235/2.6240	0.0010/0.0032	0.0938	2.8123/2.8130	0.9470
5		MB-1792P(F)		2.6235/2.6240	0.0010/0.0032	0.0938	2.8123/2.8130	1.8750
Cam Bearing Set	B-1	SH-277S	STD					
1-2-3-4		SH-277		1.7500/1.7507	0.0005/0.0040	0.0640	1.8792/1.8802	0.7600
5		SH-278		1.4375/1.4382	0.0005/0.0040	0.0645	1.5671/1.5687	0.8850
Rod Forging	2B, 7H, 9T, 11H, 3510082							
C/S Forging	1463340							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	90 To 100 Lbs.Ft.							
95	365 CID (6.0L) 6000 LS2 Chevrolet V8 Cyl (2005-2007)			4.000in./101.6mm x 3.622in./92mm				95
Rod Bearing(8)	AL-5	CB-663A	STD,10,20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A	STD,10,20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-2199P	STD,10,20,30					
1-2-4-5		MB-3591P		2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	0.8050
3		MB-3592P(F)		2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	1.0280
Cam Bearing Set	B-1	SH-1995S	STD					
1-5		SH-1995		2.1650/2.1670	0.0011/0.0063	0.0890	2.3460/2.3480	0.6350
2-4		SH-1814		2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6350
3		SH-1816		2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
96	365 CID (6.0L) Vortec 6000 Chevrolet V8 Cyl (1999-2007)			4.000in./101.6mm x 3.622in./92mm				96
	365 CID (6.0L) Vortec 6000 LQ4 (KL5) Chevrolet CNG V8 Cyl (2001-2007)			4.000in./101.6mm x 3.622in./92mm				
	365 CID (6.0L) Vortec 6000 LQ4 (KL6) Chevrolet Bi-fuel Gas/CNG V8 Cyl (2002-2007)			4.000in./101.6mm x 3.622in./92mm				
Rod Bearing(8)	AL-5	CB-663A	STD,10,20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	STD,10,20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-2199P	STD,10,20,30					
1-2-4-5		MB-3591P		2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	0.8050
3		MB-3592P(F)		2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	1.0280
Cam Bearing Set	B-1	SH-1814S	STD					
1-5		SH-1814		2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6350
2-4		SH-1815		2.1650/2.1670	0.0011/0.0063	0.0740	2.3161/2.3181	0.6350
3		SH-1816		2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
NOTE: 1999-2002, 2003 1st Design; Positions 1 And 5 Housing Bore is 2.3260"/2.3280"								



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
96 (Cont.)	365 CID (6.0L) Vortec 6000 Chevrolet V8 Cyl (1999-2007)				4.000in./101.6mm x 3.622in./92mm			96 (Cont.)
	365 CID (6.0L) Vortec 6000 LQ4 (KL5) Chevrolet CNG V8 Cyl (2001-2007)				4.000in./101.6mm x 3.622in./92mm			
	365 CID (6.0L) Vortec 6000 LQ4 (KL6) Chevrolet Bi-fuel Gas/CNG V8 Cyl (2002-2007)				4.000in./101.6mm x 3.622in./92mm			
Cam Bearing Set	B-1	SH-1995S	STD					
1-5		SH-1995		2.1650/2.1670	0.0011/0.0063	0.0890	2.3460/2.3480	0.6350
2-4		SH-1814		2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6350
3		SH-1816		2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
NOTE: 2004-2007, 2003 2nd Design; Positions 1 And 5 Housing Bore is 2.3460"/2.3480"								
Piston Pin Bushing(8)	C-1	223-3663	STD			0.0585		0.9350
NOTE: 2002-2004, Requires Light Reaming								
97	366 CID (6.0L) Chevrolet V8 Cyl (1966-1998)				3.938in./100mm x 3.766in./95.7mm			97
	396 CID (6.6L) Chevrolet V8 Cyl (1965-1971)				4.094in./104mm x 3.766in./95.7mm			
	427 CID (7.0L) Chevrolet V8 Cyl (1966-1998)				4.250in./108mm x 3.766in./95.7mm			
	427 CID (7.0L) Chevrolet LPG V8 Cyl (1966-1969)				4.250in./108mm x 3.766in./95.7mm			
Rod Bearing(8)	AL-5	CB-743A	STD,10,20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set	AL-5	MS-829A-10	20,30					
1-2-3-4		MB-2403A		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404A(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set	TM-77	MS-829P	STD,1,10,20,30,40					
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set	TM-77	MS-1745P-10	20,30					
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-3120P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1748P-10	20					
1-2-3-4		MB-3123P		2.7482/2.7492	0.0007/0.0032	0.1087	2.9570/2.9580	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set	B-1	SH-615S	STD					
1		SH-615		1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
5		SH-618		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
NOTE: 1965-1966								
Cam Bearing Set	B-1	SH-616S	STD					
1		SH-615		1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
NOTE: 1967-1998								
Rod Forging	3856239, 3856240, 3933174							
C/S Forging	6223, 7115, 9115, 3804816, 3836144, 3863144, 3874874, 3882842, 3882847, 3882848, 3882849, 3887114, 3904815, 3904816, 3941180, 3942411							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							
98	368 CID (6.0L) Cadillac V8 Cyl (1980-1984)				3.800in./96.5mm x 4.060in./103.1mm			98
	425 CID (7.0L) Cadillac V8 Cyl (1977-1979)				4.082in./103.7mm x 4.060in./103.1mm			
	472 CID (7.7L) Cadillac V8 Cyl (1968-1974)				4.300in./109.2mm x 4.060in./103.1mm			
	500 CID (8.2L) Cadillac V8 Cyl (1970-1976)				4.300in./109.2mm x 4.300in./109.2mm			
Rod Bearing(8)	TM-77	CB-542P	STD,1,10,20,30,40	2.4988/2.4998	0.0007/0.0032	0.0620	2.6245/2.6250	0.8310
Main Bearing Set	TM-77	MS-970AL	STD,10,20					
1		MB-2535AL		3.2490/3.2500	0.0006/0.0033	0.0940	3.4383/3.4390	1.1950
2-4		MB-2536AL		3.2490/3.2500	0.0006/0.0033	0.0940	3.4383/3.4390	1.0670
3		MB-2537AL(F)		3.2490/3.2500	0.0006/0.0033	0.0940	3.4383/3.4390	1.2590
5		MB-2538AL		3.2490/3.2500	0.0006/0.0033	0.0940	3.4383/3.4390	1.1950
Cam Bearing Set	B-1	SH-530S	STD					
1-2-3-4-5		SH-530		1.7500/1.7507	0.0005/0.0042	0.0640	1.8792/1.8802	0.6300



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
98 (Cont.)	368 CID (6.0L) Cadillac V8 Cyl (1980-1984)				3.800in./96.5mm x 4.060in./103.1mm			98 (Cont.)
	425 CID (7.0L) Cadillac V8 Cyl (1977-1979)				4.082in./103.7mm x 4.060in./103.1mm			
	472 CID (7.7L) Cadillac V8 Cyl (1968-1974)				4.300in./109.2mm x 4.060in./103.1mm			
	500 CID (8.2L) Cadillac V8 Cyl (1970-1976)				4.300in./109.2mm x 4.300in./109.2mm			
Rod Forging	222, 3633111							
C/S Forging	1467292, 1486424, 1495094, 1495095, 1496793, 1609142R							
Connecting Rod	40 Lbs.Ft.							
Main Bearing	90 Lbs.Ft.							
99	370 CID (6.1L) General Motors V8 Cyl (1957-1959)				4.000in./101.6mm x 3.688in./93.7mm			99
Rod Bearing(8)	TM-77	CB-542P	STD,1,10,20,30,40	2.4988/2.4998	0.0007/0.0032	0.0620	2.6245/2.6250	0.8310
NOTE: 1959								
Piston Pin Bushing(8)	B	223-3598	STD			0.0411	1.0360/1.0380	1.1900
NOTE: Requires Boring								
Rod Forging	568815, 574545, 575001, 580255, 585470							
C/S Forging	477440, 562746, 565699, 568812, 574440, 574544, 577440, 582740, 582746							
Connecting Rod	35 To 45 Lbs.Ft.							
Main Bearing	100 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	140 Lbs.Ft. (Rear Bearing Cap)							
100	371 CID (6.1L) Oldsmobile V8 Cyl (1957-1960)				4.000in./101.6mm x 3.688in./93.7mm			100
	394 CID (6.5L) Oldsmobile V8 Cyl (1959-1964)				4.125in./104.8mm x 3.688in./93.7mm			
Rod Bearing(8)	TM-77	CB-542P	STD,1,10,20,30,40	2.4988/2.4998	0.0007/0.0032	0.0620	2.6245/2.6250	0.8310
NOTE: 1959-1964								
Piston Pin Bushing(8)	B	223-3606	STD			0.0450	1.0365/1.0380	1.2500
NOTE: Requires Boring								
Rod Forging	568815, 574545, 575001, 580255, 585470							
C/S Forging	477440, 562746, 565699, 568812, 574440, 574544, 577440, 582740, 582746							
Connecting Rod	35 To 45 Lbs.Ft.							
Main Bearing	100 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	140 Lbs.Ft. (Rear Bearing Cap)							
101	379 CID (6.2L) Chevrolet Diesel V8 Cyl (1982-1993)				3.976in./101mm x 3.819in./97mm			101
	395 CID/6468CC (6.5L) Chevrolet Diesel V8 Cyl (1994-1999)				4.055in./103mm x 3.819in./97mm			
	395 CID/6468CC (6.5L) Chevrolet Turbocharged Diesel V8 Cyl (1992-2002)				4.055in./103mm x 3.819in./97mm			
Rod Bearing(8)	TM-77	CB-1286P	STD,.026mm,.25mm,.50mm,.75mm	2.3982/2.3992	0.0014/0.0044	0.0620	2.5246/2.5256	0.9020
Main Bearing Set 1-2-4	TM-77	MS-2091P	STD,.026mm,.25mm,.50mm,.75mm					
3		MB-3587P		2.9495/2.9504	0.0016/0.0045	0.0955	3.1427/3.1437	0.8970
5		MB-3588P(F)		2.9495/2.9504	0.0016/0.0045	0.0955	3.1427/3.1437	1.1300
		MB-3589P		2.9493/2.9503	0.0018/0.0047	0.0955	3.1427/3.1437	1.3910
Cam Bearing Set 1	AL-3	SH-1366S	STD					
2		SH-1366		2.1644/2.1663	0.0005/0.0050	0.0801	2.3270/2.3290	0.9260
3		SH-1367		2.1644/2.1663	0.0005/0.0050	0.0756	2.3180/2.3200	0.8070
4		SH-1368		2.1644/2.1663	0.0005/0.0050	0.0706	2.3080/2.3100	0.8070
5		SH-1369		2.1644/2.1663	0.0005/0.0050	0.0656	2.2980/2.3000	0.8070
		SH-1370		2.0069/2.0089	0.0005/0.0050	0.0661	2.1410/2.1430	0.8070
Piston Pin Bushing(8)	C-1	223-3576	STD			0.0580	1.3030/1.3045	1.0010
NOTE: Requires Boring, .995" Length,1.201" Inside Diameter,1.309" Outside Diameter								
C/S Forging	14024236							
Connecting Rod	48 Lbs.Ft.							
Main Bearing	100 Lbs.Ft. (Outer Bolts)							
Main Bearing	110 Lbs.Ft. (Inner Bolts)							
Main Bearing	111 Lbs.Ft. (Outer Bolts)							
102	389 CID (6.4L) Pontiac V8 Cyl (1959-1966)				4.063in./103.2mm x 3.750in./95.3mm			102
Rod Bearing(8)	TM-77	CB-758P	STD,1,10,20,30,40	2.2487/2.2497	0.0015/0.0040	0.0619	2.3745/2.3750	0.8860
Main Bearing Set 1-2-3	TM-1	MS-483G	STD,10,20,30					
4		MB-1889G		2.9990/3.0000	0.0007/0.0033	0.0938	3.1880/3.1890	0.9430
5		MB-1890G(F)		2.9990/3.0000	0.0007/0.0033	0.0938	3.1880/3.1890	1.1350
		MB-1891P		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	1.5950
NOTE: Contains Partial Grooved Main Bearings								



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
102 (Cont.)	389 CID (6.4L) Pontiac V8 Cyl (1959-1966)			4.063in./103.2mm x 3.750in./95.3mm				102 (Cont.)
Main Bearing Set 1-2-3	TM-77	MS-496P MB-1917P	STD,10,20,30	2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	0.9430
4		MB-1918P(F)		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	1.1350
5		MB-1891P		2.9990/3.0000	0.0007/0.0038	0.0938	3.1880/3.1890	1.5950
NOTE: Contains Full Grooved Bearings								
Cam Bearing Set 1	B-1	SH-291S SH-291	STD	1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	1.0700
2-3-4-5		SH-292		1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	0.6900
NOTE: 1959-1962								
Cam Bearing Set 1-2-3-4-5	B-1	SH-292S SH-292	STD	1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	0.6900
NOTE: 1963-1966								
Connecting Rod	45 Lbs.Ft.							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	95 Lbs.Ft. (Except Rear Bearing Cap)							
103	390 CID (6.4L) Cadillac V8 Cyl (1959-1963)			4.000in./101.6mm x 3.875in./98.4mm				103
Rod Bearing(8)	TM-77	CB-472P	STD,10,20,30	2.2488/2.2493	0.0010/0.0030	0.0621	2.3740/2.3745	0.7910
Main Bearing Set 1-2-3-4	TM-77	MS-411P-10 MB-1791P		2.6235/2.6240	0.0010/0.0032	0.0938	2.8123/2.8130	0.9470
5		MB-1792P(F)		2.6235/2.6240	0.0010/0.0032	0.0938	2.8123/2.8130	1.8750
NOTE: 1959-1962								
Main Bearing Set 1	TM-77	MS-663P-10 MB-2208P		2.9995/3.0000	0.0005/0.0026	0.0941	3.1883/3.1890	1.0730
2-4		MB-2209P		2.9995/3.0000	0.0006/0.0028	0.0940	3.1883/3.1890	0.9430
3		MB-2210P(F)		2.9995/3.0000	0.0006/0.0028	0.0940	3.1883/3.1890	1.1350
5		MB-2211P		2.9995/3.0000	0.0006/0.0028	0.0940	3.1883/3.1890	0.9430
NOTE: 1963								
Cam Bearing Set 1-2-3-4	B-1	SH-277S SH-277	STD	1.7500/1.7507	0.0005/0.0040	0.0640	1.8792/1.8802	0.7600
5		SH-278		1.4375/1.4382	0.0005/0.0040	0.0645	1.5671/1.5687	0.8850
NOTE: 1959-1962								
Cam Bearing Set 1-2-3-4-5	B-1	SH-530S SH-530	STD	1.7500/1.7507	0.0005/0.0042	0.0640	1.8792/1.8802	0.6300
NOTE: 1963								
Rod Forging	3511503, 3513058							
C/S Forging	1467925, 1469263, 1469265, 1477634							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	90 To 100 Lbs.Ft.							
104	400 CID (6.6L) Buick V8 Cyl (1967-1969)			4.040in./102.6mm x 3.900in./99mm				104
	430 CID (7.0L) Buick V8 Cyl (1967-1969)			4.188in./106.4mm x 3.900in./99mm				
	455 CID (7.5L) Buick V8 Cyl (1970-1976)			4.313in./109.6mm x 3.900in./99mm				
Rod Bearing(8)	TM-77	CB-762P	STD,1,10,20,30,40	2.2490/2.2500	0.0007/0.0032	0.0619	2.3740/2.3745	0.8260
Main Bearing Set 1-2-4	TM-77	MS-908P MB-2505P	STD,10,20	3.2495/3.2500	0.0011/0.0036	0.0936	3.4380/3.4390	0.8070
3		MB-2506P(F)		3.2495/3.2500	0.0011/0.0036	0.0936	3.4380/3.4390	1.0580
5		MB-2507P		3.2495/3.2500	0.0011/0.0036	0.0936	3.4380/3.4390	1.1480
Cam Bearing Set 1	AL-3	SH-1361S SH-1360	STD,10	1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.7600
2-3-4-5		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300
Rod Forging	1373496, 1385363							
C/S Forging	1379242							
Connecting Rod	40 To 50 Lbs.Ft. (400 CID (6.6L) ,430 CID (7.0L))							
Connecting Rod	45 Lbs.Ft. (455 CID (7.5L))							
Main Bearing	110 Lbs.Ft. (455 CID (7.5L))							
Main Bearing	80 To 115 Lbs.Ft. (400 CID (6.6L) ,430 CID (7.0L))							
105	400 CID (6.6L) Chevrolet V8 Cyl (1970-1980)			4.125in./104.8mm x 3.750in./95.3mm				105
Rod Bearing(8)	AL-5	CB-663A	STD,10,20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
105 (Cont.)	400 CID (6.6L) Chevrolet V8 Cyl (1970-1980)				4.125in./104.8mm x 3.750in./95.3mm			105 (Cont.)
Rod Bearing(8)	AL-5	CB-1776A	STD,10,20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-1038P	STD,1,10,20,30					
1-2-3-4		MB-2562P		2.6484/2.6493	0.0006/0.0034	0.0955	2.8406/2.8415	0.8070
5		MB-2563P(F)		2.6479/2.6488	0.0011/0.0039	0.0955	2.8406/2.8415	1.7180
Main Bearing Set	TM-77	MS-2038P-10	20,30					
1-2-3-4		MB-2562P		2.6484/2.6493	0.0006/0.0034	0.0955	2.8406/2.8415	0.8070
5		MB-3510P(F)		2.6479/2.6488	0.0011/0.0039	0.0955	2.8406/2.8415	1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-290S	STD,10					
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
Cam Bearing Set	AL-3	SH-1349S	STD					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set	AL-3	SH-1352S	STD					
1-2-3-4-5		SH-1352		1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set	AL-3	SH-1401S	STD					
1-2-3-4-5		SH-1401		1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3951629							
C/S Forging	3882841, 3951528, 3951529D							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	75 Lbs.Ft.							
106	400 CID (6.6L) Oldsmobile V8 Cyl (1968-1969)				3.875in./98.4mm x 4.250in./108mm			106
	400 CID (6.6L) Oldsmobile V8 Cyl (1965-1967)				4.000in./101.6mm x 3.980in./101.1mm			
	400 CID (6.6L) Oldsmobile LPG V8 Cyl (1965-1967)				4.000in./101.6mm x 3.980in./101.1mm			
	425 CID (7.0L) Oldsmobile V8 Cyl (1965-1967)				4.125in./104.8mm x 3.980in./101.1mm			
	455 CID (7.5L) Oldsmobile V8 Cyl (1968-1976)				4.125in./104.8mm x 4.250in./108mm			
	455 CID (7.5L) 455 Oldsmobile V8 Cyl (1973-1976)				4.125in./104.8mm x 4.250in./108mm			
Rod Bearing(8)	TM-77	CB-542P	STD,1,10,20,30,40	2.4988/2.4998	0.0007/0.0032	0.0620	2.6245/2.6250	0.8310
Main Bearing Set	TM-77	MS-804P	STD,10,20,30					
1		MB-2362P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9800
2-4		MB-2163P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9790
3		MB-2363P(F)		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	1.1950
5		MB-2364P		2.9993/3.0003	0.0016/0.0049	0.0932	3.1880/3.1890	1.6290
Cam Bearing Set	AL-3	SH-1354S	STD					
1		SH-1354		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
Rod Forging	384759, 397858, 401406, 401456, 410999							
C/S Forging	230331, 230377, 230378, 230907, 230908, 384722, 390370, 397303, 397363, 400934, 403707, 405954, 584722							
Connecting Rod	32 To 42 Lbs.Ft. (400 CID (6.6L) ,425 CID (7.0L) ,455 CID (7.5L))							
Connecting Rod	90 To 120 Lbs.Ft. (400 CID (6.6L))							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	90 To 120 Lbs.Ft. (400 CID (6.6L) ,455 CID (7.5L))							
107	401 CID (6.6L) Buick V8 Cyl (1959-1966)				4.188in./106.4mm x 3.640in./92.5mm			107
	425 CID (7.0L) Buick V8 Cyl (1963-1966)				4.313in./109.6mm x 3.640in./92.5mm			
Rod Bearing(8)	TM-77	CB-762P	STD,1,10,20,30,40	2.2490/2.2500	0.0007/0.0032	0.0619	2.3740/2.3745	0.8260



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
107 (Cont.)	401 CID (6.6L) Buick V8 Cyl (1959-1966)			4.188in./106.4mm x 3.640in./92.5mm				107 (Cont.)
	425 CID (7.0L) Buick V8 Cyl (1963-1966)			4.313in./109.6mm x 3.640in./92.5mm				
Main Bearing Set 1-2-4	TM-77	MS-664P-10		2.4980/2.4990	0.0007/0.0037	0.0938	2.6870/2.6880	0.9450
3		MB-1811P		2.4980/2.4990	0.0007/0.0037	0.0938	2.6870/2.6880	1.1280
5		MB-1881P(F)		2.4980/2.4990	0.0007/0.0037	0.0938	2.6870/2.6880	1.2050
		MB-2212P						
Cam Bearing Set 1	B-1	SH-361S	STD	1.7850/1.7860	0.0010/0.0060	0.0643	1.9155/1.9175	0.7600
2		SH-361		1.7550/1.7560	0.0010/0.0060	0.0643	1.8855/1.8875	0.7600
3		SH-506		1.7250/1.7260	0.0010/0.0060	0.0643	1.8555/1.8575	0.7600
4		SH-363		1.6950/1.6960	0.0010/0.0060	0.0643	1.8255/1.8275	0.7600
5		SH-364		1.6650/1.6660	0.0010/0.0060	0.0643	1.7955/1.7975	0.7600
		SH-365						
Rod Forging	487, 494, 5487, 1185487							
C/S Forging	1185539, 1361798, 1396294							
Connecting Rod	40 To 45 Lbs.Ft. (401 CID (6.6L))							
Connecting Rod	40 To 50 Lbs.Ft. (425 CID (7.0L))							
Main Bearing	100 To 110 Lbs.Ft.							
108	402 CID (6.6L) Chevrolet V8 Cyl (1970-1972)			4.125in./104.8mm x 3.766in./95.7mm				108
	454 CID (7.4L) Chevrolet V8 Cyl (1970-2000)			4.250in./108mm x 4.000in./101.6mm				
	454 CID (7.4L) Chevrolet LPG V8 Cyl (1970-1976)			4.250in./108mm x 4.000in./101.6mm				
	454 CID (7.4L) LP4 Chevrolet LPG V8 Cyl (1999-2000)			4.252in./108mm x 4.000in./101.6mm				
Rod Bearing(8)	AL-5	CB-743A	STD,10,20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4	AL-5	MS-829A-10	20,30	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2403A		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
		MB-2404A(F)						
Main Bearing Set 1-2-3-4	TM-77	MS-829P	STD,1,10,20,30,40	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2403P		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
		MB-2404P(F)						
Main Bearing Set 1-2-3-4	TM-77	MS-1745P-10	20,30	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2403P		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8210
		MB-3120P(F)						
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1748P-10	20	2.7482/2.7492	0.0007/0.0032	0.1087	2.9570/2.9580	1.0440
5		MB-3123P		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
		MB-2404P(F)						
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings, Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set 1	B-1	SH-616S	STD	1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-615		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-616		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
		SH-617						
Rod Forging	3856239, 3856240, 3933174							
C/S Forging	3521, 6223, 7115, 7416, 9115, 353039, 359730, 3804816, 3836144, 3863144, 3874874, 3882842, 3882847, 3882848, 3882849, 3887114, 3904815, 3904816, 3941180, 3942411, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							
109	403 CID/6599CC (6.6L) Duramax 6600 LB7 OHV General Motors Turbocharged/Intercooled Diesel V8 Cyl (2001-2004)			4.055in./103mm x 3.898in./99mm				109
	403 CID/6599CC (6.6L) Duramax 6600 LLY General Motors Turbocharged/Intercooled Diesel V8 Cyl (2004-2005)			4.055in./103mm x 3.898in./99mm				
Rod Bearing(8)	TM-77	CB-1805P	STD,.25mm,.50mm	2.4764/2.4772	0.0010/0.0034	0.0795	2.6372/2.6378	0.9340
Rod Bearing(8)	TM-77	CB-1810P-.25mm	.50mm	2.4764/2.4772	0.0010/0.0034	0.0805	2.6392/2.6398	0.9340
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4-5	TM-77	MS-2218P	STD,.25mm,.50mm	3.1459/3.1466	0.0009/0.0033	0.0995	3.3464/3.3472	0.8200
		MB-3776P						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-610S								
Thrust Washer Set		TW-610S	STD	3.5039/3.5137			4.2027/4.2125	0.1181
		MB-3776W						
NOTE: Contains 3 Pieces, Positions 1 And 5, Use With Part Number MS-2218P								



GENERAL MOTORS CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
109 (Cont.)	403 CID/6599CC (6.6L) Duramax 6600 LB7 OHV General Motors Turbocharged/Intercooled Diesel V8 Cyl (2001-2004)			4.055in./103mm x 3.898in./99mm				109 (Cont.)
	403 CID/6599CC (6.6L) Duramax 6600 LLY General Motors Turbocharged/Intercooled Diesel V8 Cyl (2004-2005)			4.055in./103mm x 3.898in./99mm				
Cam Bearing Set 1	AL-3	SH-1999S	STD	2.3988/2.4000		0.0790	2.5590/2.5602	1.1200
2-3-4-5		SH-1999		2.3988/2.4000		0.0790	2.5590/2.5602	0.7050
		SH-2006						
Piston Pin Bushing(8)	C-1	223-3659	STD				1.4763/1.4773	1.5625
NOTE: Requires Boring, Semi-Finished								
Rod Forging 278410A								
110	421 CID (6.9L) Pontiac V8 Cyl (1963-1966)			4.094in./104mm x 4.000in./101.6mm				110
	428 CID (7.0L) Pontiac V8 Cyl (1967-1969)			4.120in./104.6mm x 4.000in./101.6mm				
	455 CID (7.5L) Pontiac V8 Cyl (1970-1976)			4.151in./105.4mm x 4.210in./106.9mm				
Rod Bearing(8)	TM-77	CB-758P	STD,1,10,20,30,40	2.2487/2.2497	0.0015/0.0040	0.0619	2.3745/2.3750	0.8860
Main Bearing Set 1-2-3	TM-77	MS-667P	STD,10,20,30					
4		MB-2215P		3.2490/3.2500	0.0005/0.0035	0.0939	3.4380/3.4390	0.9430
5		MB-2216P(F)		3.2490/3.2500	0.0005/0.0035	0.0939	3.4380/3.4390	1.1950
		MB-2217P		3.2490/3.2500	0.0005/0.0035	0.0939	3.4380/3.4390	1.5950
Cam Bearing Set 1-2-3-4-5	B-1	SH-292S	STD					
		SH-292		1.8992/1.8997	0.0010/0.0060	0.0643	2.0297/2.0317	0.6900
C/S Forging 496453, 542990, 9770488, 9773384, 9782769, 9783787, 9799103								
Connecting Rod 45 Lbs.Ft.								
Main Bearing 120 Lbs.Ft. (Rear Bearing Cap)								
Main Bearing 95 Lbs.Ft. (Except Rear Bearing Cap)								
111	429 CID (7.0L) Cadillac V8 Cyl (1964-1967)			4.129in./104.9mm x 4.000in./101.6mm				111
Rod Bearing(8)	TM-77	CB-472P	STD,10,20,30	2.2488/2.2493	0.0010/0.0030	0.0621	2.3740/2.3745	0.7910
Main Bearing Set 1	TM-77	MS-663P-10		2.9995/3.0000	0.0005/0.0026	0.0941	3.1883/3.1890	1.0730
2-4		MB-2208P		2.9995/3.0000	0.0006/0.0028	0.0940	3.1883/3.1890	0.9430
3		MB-2209P		2.9995/3.0000	0.0006/0.0028	0.0940	3.1883/3.1890	1.1350
5		MB-2210P(F)		2.9995/3.0000	0.0006/0.0028	0.0940	3.1883/3.1890	0.9430
		MB-2211P		2.9995/3.0000	0.0006/0.0028	0.0940	3.1883/3.1890	0.9430
Cam Bearing Set 1-2-3-4-5	B-1	SH-530S	STD					
		SH-530		1.7500/1.7507	0.0005/0.0042	0.0640	1.8792/1.8802	0.6300
Rod Forging 3513058								
C/S Forging 1481021, 1481267, 1486340, 1488340								
Connecting Rod 40 To 45 Lbs.Ft.								
Main Bearing 95 Lbs.Ft.								
112	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet V8 Cyl (2001-2007)			4.252in./108mm x 4.370in./111mm				112
Rod Bearing(8)	AL-5	CB-743A	STD,10,20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4	AL-5	MS-2235AL	STD,10,20					
5		MB-3774AL		2.7482/2.7489	0.0010/0.0033	0.0937	2.9370/2.9380	1.0470
		MB-3775AL(F)		2.7482/2.7489	0.0005/0.0022	0.0940	2.9373/2.9378	1.8110
Cam Bearing Set 1	B-1	SH-616S	STD					
2-5		SH-615		1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
3-4		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
113	637 CID (10.4L) D637 General Motors Diesel V8 Cyl (1966-1970)			5.125in./130.2mm x 3.859in./98mm				113
	637 CID (10.4L) DH637 General Motors Diesel V8 Cyl (1966-1971)			5.125in./130.2mm x 3.859in./98mm				
	637 CID (10.4L) OHV General Motors V8 Cyl (1966-1971)			5.125in./130.2mm x 3.859in./98mm				
Rod Bearing(8)	TM-77	CB-586P	STD,10,20,30,40,C60	2.8112/2.8122	0.0015/0.0040	0.1014	3.0160/3.0165	0.9400
Main Bearing Set 1-2-3-5	TM-77	MS-944P-10	20					
4		MB-2009P		3.1237/3.1247	0.0016/0.0046	0.0995	3.3250/3.3260	1.1600
		MB-2010P(F)		3.1237/3.1247	0.0016/0.0046	0.0995	3.3250/3.3260	1.5290
NOTE: Undersize Bearings Can Be Used But The Crankshaft Must Be Rehardened By The TUFFTRIDED Process								
Rod Forging 2484084								
C/S Forging 2454066								



GENERAL MOTORS CORP. (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
113 (Cont.)	637 CID (10.4L) D637 General Motors Diesel V8 Cyl (1966-1970)				5.125in./130.2mm x 3.859in./98mm			113 (Cont.)
	637 CID (10.4L) DH637 General Motors Diesel V8 Cyl (1966-1971)				5.125in./130.2mm x 3.859in./98mm			
	637 CID (10.4L) OHV General Motors V8 Cyl (1966-1971)				5.125in./130.2mm x 3.859in./98mm			
Connecting Rod	55 To 65 Lbs.Ft. (637 CID (10.4L) D637,637 CID (10.4L) DH637)							
Connecting Rod	65 To 75 Lbs.Ft. (637 CID (10.4L) OHV)							
Main Bearing	130 To 140 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	170 To 180 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	55 To 65 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	85 To 95 Lbs.Ft. (Rear Bearing Cap)							
12 CYL								
114	702 CID (11.5L) OHV General Motors V12 Cyl (1960-1965)				4.563in./115.9mm x 3.578in./90.8mm			114
Rod Bearing(12)	TM-77	CB-586P	STD,10,20,30,40,C60	2.8112/2.8122	0.0015/0.0040	0.1014	3.0160/3.0165	0.9400
Main Bearing Set	TM-77	MS-522P-10						
1-2-3-4-5-7		MB-2009P		3.1237/3.1247	0.0016/0.0046	0.0995	3.3250/3.3260	1.1600
6		MB-2010P(F)		3.1237/3.1247	0.0016/0.0046	0.0995	3.3250/3.3260	1.5290
Piston Pin Bushing(12)	C-1	223-3512	STD			0.0460	1.3125/1.3135	1.2920
NOTE: Requires Boring								
Rod Forging	2389554, 2434826, 2470891, 2474281, 2477425							
C/S Forging	2366210							
Connecting Rod	65 To 75 Lbs.Ft.							
Main Bearing	130 To 140 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	85 To 95 Lbs.Ft. (Rear Bearing Cap)							

HERCULES

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
3 CYL			6 CYL		
D1500 149 CID/2435CC (2.4L) Diesel	3.750in./95.3mmX4.500in./114.3mm	1	298 298 CID (4.9L)	3.750in./95.3mmX4.500in./114.3mm	6
D1700 169 CID (2.8L) Diesel	4.000in./101.6mmX4.500in./114.3mm	1	339 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	6
DD130 130 CID/2127CC (2.1L) Diesel	3.500in./88.9mmX4.500in./114.3mm	1	339H 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	6
DD149 149 CID (2.4L)	3.750in./95.3mmX4.500in./114.3mm	1	3000 298 CID (4.9L)	3.750in./95.3mmX4.500in./114.3mm	6
DD169 169 CID (2.8L)	4.000in./101.6mmX4.500in./114.3mm	1	D298H 298 CID (4.9L)	3.750in./95.3mmX4.500in./114.3mm	6
G1500 149 CID/2435CC (2.4L)	3.750in./95.3mmX4.500in./114.3mm	1	D300 298 CID (4.9L)	3.750in./95.3mmX4.500in./114.3mm	6
G1700 169 CID (2.8L)	4.000in./101.6mmX4.500in./114.3mm	1	D300T 298 CID (4.9L) Diesel	3.750in./95.3mmX4.500in./114.3mm	6
GO130 130 CID/2127CC (2.1L)	3.500in./88.9mmX4.500in./114.3mm	1	D339 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	6
GO149 149 CID (2.4L)	3.750in./95.3mmX4.500in./114.3mm	1	D339H 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	6
GO169 169 CID (2.8L)	4.000in./101.6mmX4.500in./114.3mm	1	D3000 298 CID (4.9L) Diesel	3.750in./95.3mmX4.500in./114.3mm	6
GO1500 149 CID/2435CC (2.4L)	3.750in./95.3mmX4.500in./114.3mm	1	D3400 339 CID (5.6L) Diesel	4.000in./101.6mmX4.500in./114.3mm	6
4 CYL			D4800 478 CID (7.8L) Diesel	4.563in./115.9mmX4.875in./123.8mm	7
D2000 198 CID (3.2L) Diesel	3.750in./95.3mmX4.500in./114.3mm	3	DD260 260 CID (4.3L) Diesel	3.500in./88.9mmX4.500in./114.3mm	6
D2300 226 CID (3.7L) Diesel	4.000in./101.6mmX4.500in./114.3mm	3	DD298 298 CID (4.9L)	3.750in./95.3mmX4.500in./114.3mm	6
DD173 173 CID (2.8L) Diesel	3.500in./88.9mmX4.500in./114.3mm	3	DD339 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	6
DD198 198 CID (3.2L)	3.750in./95.3mmX4.500in./114.3mm	3	DD339H 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	6
DD226 226 CID (3.7L)	4.000in./101.6mmX4.500in./114.3mm	3	D298H 298 CID (4.9L)	3.750in./95.3mmX4.500in./114.3mm	6
G2000 198 CID (3.2L)	3.750in./95.3mmX4.500in./114.3mm	3	G3000 298 CID (4.9L)	3.750in./95.3mmX4.500in./114.3mm	6
G2300 226 CID (3.7L)	4.000in./101.6mmX4.500in./114.3mm	3	G3400 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	6
GO173 173 CID (2.8L)	3.500in./88.9mmX4.500in./114.3mm	3	GO260 260 CID (4.3L)	3.500in./88.9mmX4.500in./114.3mm	6
GO198 198 CID (3.2L)	3.750in./95.3mmX4.500in./114.3mm	3	GO298 298 CID (4.9L)	3.750in./95.3mmX4.500in./114.3mm	6
GO226 226 CID (3.7L)	4.000in./101.6mmX4.500in./114.3mm	3	GO339 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	6
JX4C2 188 CID (3.1L)	3.750in./95.3mmX4.250in./108mm	2	JXA 228 CID (3.7L)	3.375in./85.7mmX4.250in./108mm	5
JX4C3 188 CID (3.1L)	3.750in./95.3mmX4.250in./108mm	2	JXB 263 CID (4.3L)	3.625in./92.1mmX4.250in./108mm	5
JX4C5 188 CID (3.1L)	3.750in./95.3mmX4.250in./108mm	2	JXC 282 CID (4.6L)	3.750in./95.3mmX4.250in./108mm	5
JX4D2 214 CID (3.5L)	4.000in./101.6mmX4.250in./108mm	2	JXC 282 CID (4.6L)	3.750in./95.3mmX4.250in./108mm	5
JX4D3 214 CID (3.5L)	4.000in./101.6mmX4.250in./108mm	2	JXD 320 CID (5.2L)	4.000in./101.6mmX4.250in./108mm	5
JX4D5 214 CID (3.5L)	4.000in./101.6mmX4.250in./108mm	2	JXDT 320 CID (5.2L)	4.000in./101.6mmX4.250in./108mm	5
JX4E2 164 CID (2.7L)	3.500in./88.9mmX4.250in./108mm	2	JXE3 245 CID (4.0L)	3.250in./82.6mmX4.250in./108mm	5
JX4E3 188 CID (3.1L)	3.750in./95.3mmX4.250in./108mm	2	JXE 245 CID (4.0L)	3.500in./88.9mmX4.250in./108mm	5
JX4E5 214 CID (3.5L)	4.000in./101.6mmX4.250in./108mm	2	JXF 232 CID (3.8L)	3.406in./86.5mmX4.250in./108mm	5



HERCULES (Cont.)												
ENGINE DATA (Cont.)												
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block					
6 CYL (Cont.)				6 CYL (Cont.)								
JXG 245 CID (4.0L)	3.500in./88.9mmX4.250in./108mm		5	QXC3 222 CID (3.6L)	3.375in./85.7mmX4.125in./104.8mm		4					
JXLC 298 CID (4.9L)	3.750in./95.3mmX4.500in./114.3mm		5	QXC5 222 CID (3.6L)	3.375in./85.7mmX4.125in./104.8mm		4					
JXLD 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm		5	QXC 222 CID (3.6L)	3.375in./85.7mmX4.125in./104.8mm		4					
QXA3 191 CID (3.1L)	3.125in./79.4mmX4.125in./104.8mm		4	QXD3 230 CID (3.8L)	3.438in./87.33mmX4.125in./104.8mm		4					
QXA5 191 CID (3.1L)	3.125in./79.4mmX4.125in./104.8mm		4	QXD5 230 CID (3.8L)	3.438in./87.33mmX4.125in./104.8mm		4					
QXA 191 CID (3.1L)	3.125in./79.4mmX4.125in./104.8mm		4	QXD 230 CID (3.8L)	3.438in./87.33mmX4.125in./104.8mm		4					
QXB3 205 CID (3.4L)	3.250in./82.6mmX4.250in./108mm		4	QXLD3 237 CID (3.9L)	3.438in./87.33mmX4.250in./108mm		4					
QXB5 205 CID (3.4L)	3.250in./82.6mmX4.250in./108mm		4	QXLD5 237 CID (3.9L)	3.438in./87.33mmX4.250in./108mm		4					
QXB 205 CID (3.4L)	3.250in./82.6mmX4.250in./108mm		4	QXLD 237 CID (3.9L)	3.438in./87.33mmX4.250in./108mm		4					
CONNECTING ROD FORGING NUMBERS												
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	
40090C	4.250in./108mm	2	40390C	4.250in./108mm	2	43102C	4.250in./108mm	2	44119C	4.500in./114.3mm	5	
40090C	4.250in./108mm	5	40390C	4.250in./108mm	5	43102C	4.250in./108mm	5	288090D	4.500in./114.3mm	1	
40090C	4.500in./114.3mm	5	40390C	4.500in./114.3mm	5	43102C	4.500in./114.3mm	5	288090D	4.500in./114.3mm	3	
CRANKSHAFT FORGING NUMBERS												
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	
5X-403	4.500in./114.3mm	6	43531E	4.250in./108mm	5	46828E	4.125in./104.8mm	4	220426C	4.500in./114.3mm	5	
40091E	4.250in./108mm	5	43532	4.250in./108mm	5	46829B	4.125in./104.8mm	4	220825E	4.250in./108mm	4	
40094D	4.250in./108mm	5	44025E	4.250in./108mm	5	46829E	4.125in./104.8mm	4	250026F	4.500in./114.3mm	3	
40094E	4.250in./108mm	5	45853D	4.250in./108mm	5	46831E	4.125in./104.8mm	4	250026F	4.500in./114.3mm	6	
40950E	4.250in./108mm	5	45853E	4.250in./108mm	5	46839E	4.250in./108mm	4	255029	4.250in./108mm	2	
40991E	4.250in./108mm	5	45855E	4.250in./108mm	5	47830D	4.125in./104.8mm	4	256025E	4.500in./114.3mm	3	
41026	4.125in./104.8mm	4	45857E	4.250in./108mm	5	49525B	4.250in./108mm	4	256025E	4.500in./114.3mm	6	
41026B	4.125in./104.8mm	4	45859B	4.250in./108mm	5	49528E	4.250in./108mm	4	256026E	4.500in./114.3mm	3	
42947E	4.500in./114.3mm	5	45859D	4.250in./108mm	5	50024E	4.250in./108mm	5	261025E	4.500in./114.3mm	6	
42974E	4.500in./114.3mm	5	45859E	4.250in./108mm	5	140025D	4.250in./108mm	5	285026E	4.500in./114.3mm	6	
42979E	4.250in./108mm	5	45868	4.250in./108mm	2	140025D	4.500in./114.3mm	5	285360E	4.500in./114.3mm	6	
43526D	4.500in./114.3mm	5	45868G	4.250in./108mm	5	140026D	4.250in./108mm	5	285360F	4.500in./114.3mm	3	
43526E	4.250in./108mm	5	46024E	4.250in./108mm	5	155025E	4.250in./108mm	5	2202250	4.250in./108mm	2	
43528B	4.500in./114.3mm	5	46827E	4.125in./104.8mm	4	155026E	4.250in./108mm	2	4505959	4.500in./114.3mm	6	
43528E	4.500in./114.3mm	5	46828B	4.125in./104.8mm	4	156025E	4.250in./108mm	2	C-5145	4.250in./108mm	5	
COUNTER DATA						SHOP DATA						
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length		
1	130 CID/2127CC (2.1L) DD130 Diesel 3 Cyl					3.500in./88.9mm x 4.500in./114.3mm						1
	130 CID/2127CC (2.1L) GO130 3 Cyl					3.500in./88.9mm x 4.500in./114.3mm						
	149 CID (2.4L) DD149,GO149 3 Cyl					3.750in./95.3mm x 4.500in./114.3mm						
	149 CID/2435CC (2.4L) D1500 Diesel 3 Cyl					3.750in./95.3mm x 4.500in./114.3mm						
	149 CID/2435CC (2.4L) G1500,GO1500 3 Cyl					3.750in./95.3mm x 4.500in./114.3mm						
	169 CID (2.8L) D1700 Diesel 3 Cyl					4.000in./101.6mm x 4.500in./114.3mm						
	169 CID (2.8L) DD169,G1700,GO169 3 Cyl					4.000in./101.6mm x 4.500in./114.3mm						
Rod Bearing(3)	TM-112	CB-340P	STD,10,20,30,40			1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640		
NOTE: Engines with 2.00" Crankpins and 2.500" Main Journals, Contains 2 Shims												
Rod Bearing(3)	TM-112	CB-704P	STD,10,20,30			2.3730/2.3740	0.0013/0.0043	0.0756	2.5260/2.5270	1.1640		
NOTE: Engines with 2.375" Crankpins and 2.875" Main Journals												
Main Bearing Set	TM-112	MS-1680P	STD,10									
1-2-4		MB-2185P				2.8734/2.8744	0.0012/0.0037	0.0956	3.0665/3.0670	1.0360		
3		MB-2092P(F)				2.8734/2.8744	0.0018/0.0043	0.0953	3.0665/3.0670	2.1190		
NOTE: Engines with 2.875" Main Journals, Upper And Lower Bearing Halves Have Locating Lug In The Same Position												
Cam Bearing Set	B-1	SH-561S	STD									
1-3		SH-561				2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	1.0720		
2		SH-198				2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230		
Rod Forging	288090D											
Connecting Rod	56 Lbs.Ft.											
Main Bearing	70 To 80 Lbs.Ft.											



HERCULES (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
2	164 CID (2.7L) JX4E2 4 Cyl			3.500in./88.9mm x 4.250in./108mm				2
	188 CID (3.1L) JX4C2,JX4C3,JX4C5,JX4E3 4 Cyl			3.750in./95.3mm x 4.250in./108mm				
	214 CID (3.5L) JX4D2,JX4D3,JX4D5,JX4E5 4 Cyl			4.000in./101.6mm x 4.250in./108mm				
Rod Bearing(4)	TM-112	CB-340P	STD,10,20,30,40	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640
NOTE: Contains 2 Shims								
Cam Bearing Set	B-1	SH-198S	STD					
1-4		SH-197		2.0530/2.0540	0.0005/0.0040	0.0668	2.1870/2.1880	1.1350
2-3		SH-198		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230
NOTE: From Engine Serial Number 501088								
Rod Forging	40090C, 40390C, 43102C							
C/S Forging	45868, 255029, 155026E, 156025E, 2202250							
Connecting Rod	53 To 56 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
3	173 CID (2.8L) DD173 Diesel 4 Cyl			3.500in./88.9mm x 4.500in./114.3mm				3
	173 CID (2.8L) GO173 4 Cyl			3.500in./88.9mm x 4.500in./114.3mm				
	198 CID (3.2L) D2000 Diesel 4 Cyl			3.750in./95.3mm x 4.500in./114.3mm				
	198 CID (3.2L) DD198,G2000,GO198 4 Cyl			3.750in./95.3mm x 4.500in./114.3mm				
	226 CID (3.7L) D2300 Diesel 4 Cyl			4.000in./101.6mm x 4.500in./114.3mm				
	226 CID (3.7L) DD226,G2300,GO226 4 Cyl			4.000in./101.6mm x 4.500in./114.3mm				
Rod Bearing(4)	TM-112	CB-340P	STD,10,20,30,40	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640
NOTE: Engines with 2.00" Crankpins and 2.500" Main Journals, Contains 2 Shims								
Rod Bearing(4)	TM-112	CB-704P	STD,10,20,30	2.3730/2.3740	0.0013/0.0043	0.0756	2.5260/2.5270	1.1640
NOTE: Engines with 2.375" Crankpins and 2.875" Main Journals								
Main Bearing Set	TM-112	MS-1681P	STD,10					
1-2-4-5		MB-2185P		2.8734/2.8744	0.0012/0.0037	0.0956	3.0665/3.0670	1.0360
3		MB-2092P(F)		2.8734/2.8744	0.0018/0.0043	0.0953	3.0665/3.0670	2.1190
NOTE: Engines with 2.875" Main Journals, Lateral Rod Bushing								
Cam Bearing Set	B-1	SH-562S	STD					
1-4		SH-561		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	1.0720
2-3		SH-198		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230
Rod Forging	288090D							
C/S Forging	250026F, 256025E, 256026E, 285360F							
Connecting Rod	56 Lbs.Ft.							
Main Bearing	70 To 80 Lbs.Ft.							
6 CYL								
4	191 CID (3.1L) QXA,QXA3,QXA5 6 Cyl			3.125in./79.4mm x 4.125in./104.8mm				4
	205 CID (3.4L) QXB,QXB3,QXB5 6 Cyl			3.250in./82.6mm x 4.250in./108mm				
	222 CID (3.6L) QXC,QXC3,QXC5 6 Cyl			3.375in./85.7mm x 4.125in./104.8mm				
	230 CID (3.8L) QXD,QXD3,QXD5 6 Cyl			3.438in./87.33mm x 4.125in./104.8mm				
	237 CID (3.9L) QXLD,QXLD3,QXLD5 6 Cyl			3.438in./87.33mm x 4.250in./108mm				
Rod Bearing(6)	TM-112	CB-341P	STD,10,20	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.0280
Cam Bearing Set	B-1	SH-322S	STD					
1-4		SH-322		1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	1.0340
2-3		SH-323		1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	0.5650
C/S Forging	41026, 41026B, 46827E, 46828B, 46828E, 46829B, 46829E, 46831E, 46839E, 47830D, 49525B, 49528E, 220825E							
Connecting Rod	53 To 56 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
5	228 CID (3.7L) JXA 6 Cyl			3.375in./85.7mm x 4.250in./108mm				5
	232 CID (3.8L) JXF 6 Cyl			3.406in./86.5mm x 4.250in./108mm				
	245 CID (4.0L) JXE3 6 Cyl			3.250in./82.6mm x 4.250in./108mm				
	245 CID (4.0L) JXE,JXG 6 Cyl			3.500in./88.9mm x 4.250in./108mm				
	263 CID (4.3L) JXB 6 Cyl			3.625in./92.1mm x 4.250in./108mm				
	282 CID (4.6L) JXC,JXC3,JXCF 6 Cyl			3.750in./95.3mm x 4.250in./108mm				
	298 CID (4.9L) JXLC 6 Cyl			3.750in./95.3mm x 4.500in./114.3mm				
	320 CID (5.2L) JXD,JXDT 6 Cyl			4.000in./101.6mm x 4.250in./108mm				
	339 CID (5.6L) JXLD 6 Cyl			4.000in./101.6mm x 4.500in./114.3mm				
Rod Bearing(6)	TM-112	CB-340P	STD,10,20,30,40	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640
NOTE: Contains 2 Shims								



HERCULES (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
5 (Cont.)	228 CID (3.7L) JXA 6 Cyl				3.375in./85.7mm x 4.250in./108mm				5 (Cont.)
	232 CID (3.8L) JXF 6 Cyl				3.406in./86.5mm x 4.250in./108mm				
	245 CID (4.0L) JXE3 6 Cyl				3.250in./82.6mm x 4.250in./108mm				
	245 CID (4.0L) JXE,JXG 6 Cyl				3.500in./88.9mm x 4.250in./108mm				
	263 CID (4.3L) JXB 6 Cyl				3.625in./92.1mm x 4.250in./108mm				
	282 CID (4.6L) JXC,JXC3,JXCF 6 Cyl				3.750in./95.3mm x 4.250in./108mm				
	298 CID (4.9L) JXLC 6 Cyl				3.750in./95.3mm x 4.500in./114.3mm				
	320 CID (5.2L) JXD,JXDT 6 Cyl				4.000in./101.6mm x 4.250in./108mm				
339 CID (5.6L) JXLD 6 Cyl				4.000in./101.6mm x 4.500in./114.3mm					
Cam Bearing Set B-1 SH-198S STD									
1-4 SH-197				2.0530/2.0540	0.0005/0.0040	0.0668	2.1870/2.1880	1.1350	
2-3 SH-198				2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230	
NOTE: From Engine Serial Number 501088									
Rod Forging 40090C, 40390C, 43102C, 44119C									
C/S Forging 43532, 40091E, 40094D, 40094E, 40950E, 40991E, 42947E, 42974E, 42979E, 43526D, 43526E, 43528B, 43528E, 43531E, 44025E, 45853D, 45853E, 45855E, 45857E, 45859B, 45859D, 45859E, 45868G, 46024E, 50024E, C-5145, 140025D, 140026D, 155025E, 220426C									
Connecting Rod 53 To 56 Lbs.Ft.									
Main Bearing 60 To 70 Lbs.Ft.									
6	260 CID (4.3L) DD260 Diesel 6 Cyl				3.500in./88.9mm x 4.500in./114.3mm				6
	260 CID (4.3L) GO260 6 Cyl				3.500in./88.9mm x 4.500in./114.3mm				
	298 CID (4.9L) 298,3000,D298H,D300,DD298,G298H,G3000,GO298 6 Cyl				3.750in./95.3mm x 4.500in./114.3mm				
	298 CID (4.9L) D3000,D300T Diesel 6 Cyl				3.750in./95.3mm x 4.500in./114.3mm				
	339 CID (5.6L) 339,339H,D339,D339H,DD339,DD339H,G3400,GO339 6 Cyl				4.000in./101.6mm x 4.500in./114.3mm				
	339 CID (5.6L) D3400 Diesel 6 Cyl				4.000in./101.6mm x 4.500in./114.3mm				
Rod Bearing(6) TM-112 CB-340P STD,10,20,30,40				1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640	
NOTE: Engines with 2.00" Crankpins and 2.500" Main Journals, Contains 2 Shims									
Rod Bearing(6) TM-112 CB-704P STD,10,20,30				2.3730/2.3740	0.0013/0.0043	0.0756	2.5260/2.5270	1.1640	
NOTE: Engines with 2.375" Crankpins and 2.875" Main Journals									
Main Bearing Set TM-112 MS-650P STD,10									
1-2-3-5-6-7 MB-2185P				2.8734/2.8744	0.0012/0.0037	0.0956	3.0665/3.0670	1.0360	
4 MB-2092P(F)				2.8734/2.8744	0.0018/0.0043	0.0953	3.0665/3.0670	2.1190	
NOTE: Engines with 2.875" Main Journals, Upper And Lower Bearing Halves Have Locating Lug In The Same Position									
Cam Bearing Set B-1 SH-562S STD									
1-4 SH-561				2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	1.0720	
2-3 SH-198				2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230	
C/S Forging 5X-403, 250026F, 256025E, 261025E, 285026E, 285360E, 4505959									
Connecting Rod 56 Lbs.Ft.									
Main Bearing 70 To 80 Lbs.Ft.									
7	478 CID (7.8L) D4800 Diesel 6 Cyl				4.563in./115.9mm x 4.875in./123.8mm				7
Rod Bearing(6) TM-112 CB-954P STD,10,20				2.9970/2.9980	0.0027/0.0057	0.1254	3.2510/3.2520	1.4530	
HONDA									
ENGINE DATA									
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block		
4 CYL				4 CYL (Cont.)					
1169CC (1.2L) EB1 SOHC 1973		2.756in./70mmX2.992in./76mm	1	1488CC (1.5L) ED1/ED2	1975	2.913in./74mmX3.386in./86mm	6		
1237CC (1.2L) EB2 SOHC 1974-1977		2.835in./72mmX2.992in./76mm	1	1488CC (1.5L) ED3/ED4	1976-1979	2.913in./74mmX3.386in./86mm	6		
1237CC (1.2L) EB3 SOHC 1978-1979		2.835in./72mmX2.992in./76mm	1	1488CC (1.5L) EM1	1980-1983	2.913in./74mmX3.386in./86mm	6		
1335CC (1.3L) EJ1 SOHC 1980-1983		2.835in./72mmX3.228in./82mm	1	SOHC					
1342CC (1.3L) D13A2 1987		2.913in./74mmX3.071in./78mm	2	1488CC (1.5L) EW1	1984-1986	2.913in./74mmX3.386in./86mm	7		
SOHC				SOHC					
1342CC (1.3L) EV1 SOHC 1984-1986		2.913in./74mmX3.071in./78mm	3	1488CC (1.5L) EW3	1985	2.913in./74mmX3.386in./86mm	7		
1342CC (1.3L) EV2 1984-1986		2.913in./74mmX3.071in./78mm	4	SOHC					
1488CC (1.5L) D15A2 1987		2.913in./74mmX3.386in./86mm	5	1488CC (1.5L) EW4	1986	2.913in./74mmX3.386in./86mm	7		
SOHC				1493CC (1.5L)	1988-1991	2.953in./75mmX3.346in./85mm	5		
1488CC (1.5L) D15A3 1987		2.913in./74mmX3.386in./86mm	5	D15B1/D15B2					
1488CC (1.5L) EC 1975-1979		2.913in./74mmX3.386in./86mm	6	1493CC (1.5L) D15B6	1988-1991	2.953in./75mmX3.346in./85mm	8		
(Canadian)				SOHC					



HONDA (Cont.)							
ENGINE DATA (Cont.)							
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL (Cont.)				4 CYL (Cont.)			
1493CC (1.5L) D15B7 SOHC	1992-1995	2.953in./75mmX3.346in./85mm	5	1958CC (2.0L) B20A3 SOHC Carbureted	1988-1990	3.189in./81mmX3.740in./95mm	13
1493CC (1.5L) D15B8 SOHC	1992-1995	2.953in./75mmX3.346in./85mm	5	1958CC (2.0L) B20A5 DOHC	1988-1991	3.189in./81mmX3.740in./95mm	14
1493CC (1.5L) D15Z1 V-TEC SOHC	1992-1995	2.953in./75mmX3.346in./85mm	5	1972CC (2.0L) B20B4	1997-1998	3.307in./84mmX3.504in./89mm	15
1590CC (1.6L) D16A6 SOHC	1988-1991	2.953in./75mmX3.543in./90mm	9	1972CC (2.0L) B20Z2	1999-2001	3.307in./84mmX3.504in./89mm	15
1590CC (1.6L) D16Y5 V-TEC-2 SOHC	1996-2000	2.953in./75mmX3.543in./90mm	9	DOHC			
1590CC (1.6L) D16Y7 SOHC	1996-2000	2.953in./75mmX3.188in./80.98mm	9	2056CC (2.1L) B21A1 DOHC	1990-1991	3.268in./83mmX3.740in./95mm	14
1590CC (1.6L) D16Y8 V-TEC SOHC	1996-2000	2.953in./75mmX3.543in./90mm	9	2156CC (2.2L) F22A1 SOHC	1990-1996	3.346in./85mmX3.740in./95mm	16
1590CC (1.6L) D16Z6 V-TEC SOHC	1992-1995	2.953in./75mmX3.543in./90mm	9	2156CC (2.2L) F22A4 SOHC	1990-1991	3.346in./85mmX3.740in./95mm	16
1595CC (1.6L) B16A2 V-TEC DOHC	1996-2000	3.189in./81mmX3.047in./77.4mm	10	2156CC (2.2L) F22A6 SOHC	1991-1993	3.346in./85mmX3.740in./95mm	16
1595CC (1.6L) B16A3 V-TEC DOHC	1994-1995	3.189in./81mmX3.047in./77.4mm	10	2156CC (2.2L) F22B1 V-TEC SOHC	1994-1997	3.346in./85mmX3.740in./95mm	16
1598CC (1.6L) EY	1983-1990	3.149in./80mmX3.149in./80mm	11	2156CC (2.2L) F22B2 SOHC	1994-1997	3.346in./85mmX3.740in./95mm	16
1599CC (1.6L) EF1 SOHC	1976-1978	2.913in./74mmX3.661in./93mm	6	2156CC (2.2L) F22B6 SOHC	1995-1997	3.346in./85mmX3.740in./95mm	16
1599CC (1.6L) EG (Canadian)	1978-1979	2.913in./74mmX3.661in./93mm	6	2157CC (2.2L) H22A1 V-TEC DOHC	1993-1996	3.425in./87mmX3.571in./90.7mm	17
1602CC (1.6L) EL1 (Canadian)	1982-1983	3.031in./77mmX3.386in./86mm	6	2157CC (2.2L) H22A4 V-TEC DOHC	1997-2001	3.425in./87mmX3.571in./90.7mm	18
1751CC (1.8L) EK1 SOHC	1979-1983	3.031in./77mmX3.701in./94mm	6	2259CC (2.3L) H23A1 DOHC	1992-1996	3.425in./87mmX3.740in./95mm	16
1829CC (1.8L) A18A1/A18A2	1987	3.150in./80mmX3.583in./91mm	12	2559CC (2.6L) 4ZE1 SOHC Isuzu	1994-1996	3.646in./92.6mmX3.736in./95mm	19
1829CC (1.8L) ES1 SOHC	1983	3.150in./80mmX3.583in./91mm	12	6 CYL			
1829CC (1.8L) ES2 Carbureted SOHC	1984-1985	3.150in./80mmX3.583in./91mm	12	2675CC (2.7L) C27A4 SOHC	1995-1997	3.425in./87mmX2.953in./75mm	20
1829CC (1.8L) ES3 Fuel Inj. SOHC	1985	3.150in./80mmX3.583in./91mm	12	3165CC (3.2L) DOHC	1998-2002	3.677in./93.4mmX3.031in./77mm	21
1829CC (1.8L) ET2 SOHC	1984-1986	3.150in./80mmX3.583in./91mm	12	6VD1 Isuzu			
1955CC (2.0L) A20A1/A20A3/BS1/BS2/BT1	1985-1989	3.258in./82.75mmX3.583in./91mm	12	3165CC (3.2L) SOHC ISZ (6VD1) Isuzu	1994-1997	3.677in./93.4mmX3.031in./77mm	21
1955CC (2.0L) BT2 SOHC	1986	3.258in./82.75mmX3.583in./91mm	12				
MODEL DATA							
Model	Engine	Years	Block	Model	Engine	Years	Block
Accord	1598CC (1.6L) EY	1983-1990	11	CRX	1488CC (1.5L) D15A3	1987	5
Accord	1599CC (1.6L) EF1 SOHC	1976-1978	6	CRX	1493CC (1.5L) D15B1/D15B2	1988-1991	5
Accord	1599CC (1.6L) EG (Canadian)	1978-1979	6	CRX	1493CC (1.5L) D15B6 SOHC	1988-1991	8
Accord	1602CC (1.6L) EL1 (Canadian)	1982-1983	6	CRX	1590CC (1.6L) D16A6 SOHC	1988-1991	9
Accord	1751CC (1.8L) EK1 SOHC	1979-1983	6	Civic	1169CC (1.2L) EB1 SOHC	1973	1
Accord	1829CC (1.8L) ES2 Carbureted SOHC	1984-1985	12	Civic	1237CC (1.2L) EB2 SOHC	1974-1977	1
Accord	1829CC (1.8L) ES3 Fuel Inj. SOHC	1985	12	Civic	1237CC (1.2L) EB3 SOHC	1978-1979	1
Accord	1955CC (2.0L) A20A1/A20A3/BS1/BS2/BT1	1986-1989	12	Civic	1335CC (1.3L) EJ1 SOHC	1980-1983	1
Accord	1955CC (2.0L) BT2 SOHC	1986	12	Civic	1342CC (1.3L) EV1 SOHC	1984-1986	3
Accord	2156CC (2.2L) F22A1 SOHC	1990-1993	16	Civic	1342CC (1.3L) EV2	1984-1986	4
Accord	2156CC (2.2L) F22A4 SOHC	1990-1991	16	Civic	1342CC (1.3L) D13A2 SOHC	1987	2
Accord	2156CC (2.2L) F22A6 SOHC	1991-1993	16	Civic	1488CC (1.5L) ED1/ED2	1975	6
Accord	2156CC (2.2L) F22B1 V-TEC SOHC	1994-1997	16	Civic	1488CC (1.5L) EC (Canadian)	1975-1979	6
Accord	2156CC (2.2L) F22B2 SOHC	1994-1997	16	Civic	1488CC (1.5L) ED3/ED4	1976-1979	6
Accord	2675CC (2.7L) C27A4 SOHC	1995-1997	20	Civic	1488CC (1.5L) EM1 SOHC	1980-1983	6
CR-V	1972CC (2.0L) B20B4	1997-1998	15	Civic	1488CC (1.5L) EW1 SOHC	1984-1986	7
CR-V	1972CC (2.0L) B20Z2 DOHC	1999-2001	15	Civic	1488CC (1.5L) EW4	1986	7
CRX	1342CC (1.3L) EV1 SOHC	1984	3	Civic	1488CC (1.5L) D15A2 SOHC	1985-1987	5
CRX	1488CC (1.5L) EW1 SOHC	1984-1986	7	Civic	1488CC (1.5L) D15A3	1987	5
CRX	1488CC (1.5L) EW3 SOHC	1985	7	Civic	1493CC (1.5L) D15B1/D15B2	1988-1991	5
CRX	1488CC (1.5L) EW4	1986	7	Civic	1493CC (1.5L) D15B7 SOHC	1992-1995	5
CRX	1488CC (1.5L) D15A2 SOHC	1987	5	Civic	1493CC (1.5L) D15B8 SOHC	1992-1995	5
				Civic	1493CC (1.5L) D15Z1 V-TEC SOHC	1992-1995	5
				Civic	1590CC (1.6L) D16A6 SOHC	1988-1991	9



HONDA (Cont.)								
MODEL DATA (Cont.)								
Model	Engine	Years	Block	Model	Engine	Years	Block	
Civic	1590CC (1.6L) D16Z6 V-TEC SOHC	1992-1995	9	Passport	3165CC (3.2L) SOHC ISZ (6VD1) Isuzu	1994-1997	21	
Civic	1590CC (1.6L) D16Y7 SOHC	1996-2000	9	Passport	3165CC (3.2L) DOHC 6VD1 Isuzu	1998-2002	21	
Civic	1590CC (1.6L) D16Y8 V-TEC SOHC	1996-2000	9	Prelude	1751CC (1.8L) EK1 SOHC	1979-1982	6	
Civic	1590CC (1.6L) D16Y5 V-TEC-2 SOHC	1996-2000	9	Prelude	1829CC (1.8L) ES1 SOHC	1983	12	
Civic	1595CC (1.6L) B16A2 V-TEC DOHC	1999-2000	10	Prelude	1829CC (1.8L) ET2 SOHC	1984-1986	12	
Del-Sol	1493CC (1.5L) D15B7 SOHC	1993-1995	5	Prelude	1829CC (1.8L) A18A1/A18A2	1987	12	
Del-Sol	1590CC (1.6L) D16Z6 V-TEC SOHC	1993-1995	9	Prelude	1955CC (2.0L) A20A1/A20A3/BS1/BS2/BT1	1985	12	
Del-Sol	1590CC (1.6L) D16Y7 SOHC	1996-1997	9	Prelude	1955CC (2.0L) BT2 SOHC	1986	12	
Del-Sol	1590CC (1.6L) D16Y8 V-TEC SOHC	1996-1997	9	Prelude	1958CC (2.0L) B20A5 DOHC	1988-1991	14	
Del-Sol	1595CC (1.6L) B16A3 V-TEC DOHC	1994-1995	10	Prelude	1958CC (2.0L) B20A3 SOHC Carbureted	1988-1990	13	
Del-Sol	1595CC (1.6L) B16A2 V-TEC DOHC	1996-1997	10	Prelude	2056CC (2.1L) B21A1 DOHC	1990-1991	14	
Odyssey	2156CC (2.2L) F22B6 SOHC	1995-1997	16	Prelude	2156CC (2.2L) F22A1 SOHC	1992-1996	16	
Passport	2559CC (2.6L) 4ZE1 SOHC Isuzu	1994-1996	19	Prelude	2157CC (2.2L) H22A1 V-TEC DOHC	1993-1996	17	
				Prelude	2157CC (2.2L) H22A4 V-TEC DOHC	1997-2001	18	
				Prelude	2259CC (2.3L) H23A1 DOHC	1992-1996	16	
CRANKSHAFT FORGING NUMBERS								
Forging No.	Stroke	Block						
KN224	3.031in./77mm	21						
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	1169CC (1.2L) EB1 SOHC 4 Cyl (1973) 1237CC (1.2L) EB2 SOHC 4 Cyl (1974-1977) 1237CC (1.2L) EB3 SOHC 4 Cyl (1978-1979) 1335CC (1.3L) EJ1 SOHC 4 Cyl (1980-1983)				2.756in./70mm x 2.992in./76mm 2.835in./72mm x 2.992in./76mm 2.835in./72mm x 2.992in./76mm 2.835in./72mm x 3.228in./82mm			1
Rod Bearing(4) TM-1 CB-1222P STD,.25mm,.75mm NOTE: Undersize Bearings Can Be Used But The Crankshaft Must Be Rehardened By The TUFFTRIDED Process				1.5739/1.5748	0.0005/0.0034	0.0591	1.6929/1.6939	0.6890
Main Bearing Set 1-2-3-4-5 TM-1 MS-1431P MB-2753P STD,.25mm,.50mm NOTE: Requires Thrust Washer Set, Not Included,Undersize Bearings Can Be Used But The Crankshaft Must Be Rehardened By The TUFFTRIDED Process, Use With Part Number TW-327S				1.9676/1.9685	0.0009/0.0017	0.0791	2.1260/2.1269	0.7870
Thrust Washer Set TW-327S STD MB-2753W(U) NOTE: Contains 2 Pieces, Position Number 1, Use With Part Number MS-1431P				2.1850/2.2440			3.0510/3.0710	0.0970
Connecting Rod 18 To 21 Lbs.Ft. Main Bearing 27 To 31 Lbs.Ft.								
2	1342CC (1.3L) D13A2 SOHC 4 Cyl (1987)				2.913in./74mm x 3.071in./78mm			2
Rod Bearing(4) TM-1 CB-1458P STD				1.5738/1.5748	0.0008/0.0015	0.0592	1.6929/1.6936	0.7280
Main Bearing Set 1-2-3-4-5 TM-1 MS-1806AL MB-3178AL STD,.25mm,.50mm NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-327S				1.7707/1.7717	0.0009/0.0017	0.0788	1.9291/1.9300	0.7870
Thrust Washer Set TW-327S STD MB-2753W(U) NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1806AL				2.1850/2.2440			3.0510/3.0710	0.0970
Connecting Rod 20 Lbs.Ft. Main Bearing 36 Lbs.Ft.								
3	1342CC (1.3L) EV1 SOHC 4 Cyl (1984-1986)				2.913in./74mm x 3.071in./78mm			3
Rod Bearing(4) TM-1 CB-1479P STD,.25mm,.50mm				1.4951/1.4961	0.0006/0.0028	0.0592	1.6142/1.6152	0.7280
Main Bearing Set 1-2-3-4-5 TM-1 MS-1806AL MB-3178AL STD,.25mm,.50mm NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-327S				1.7707/1.7717	0.0009/0.0017	0.0788	1.9291/1.9300	0.7870



HONDA (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
3 (Cont.)	1342CC (1.3L) EV1 SOHC 4 Cyl (1984-1986)			2.913in./74mm x 3.071in./78mm					3 (Cont.)
Thrust Washer Set		TW-327S	STD	2.1850/2.2440		3.0510/3.0710		0.0970	
		MB-2753W(U)							
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1806AL									
Connecting Rod		20 Lbs.Ft.							
Main Bearing		33 Lbs.Ft.							
4	1342CC (1.3L) EV2 4 Cyl (1984-1986)			2.913in./74mm x 3.071in./78mm					4
Rod Bearing(4)	TM-1	CB-1479P	STD, .25mm, .50mm	1.4951/1.4961	0.0006/0.0028	0.0592	1.6142/1.6152	0.7280	
Main Bearing Set	TM-1	MS-1431P	STD, .25mm, .50mm						
1-2-3-4-5		MB-2753P		1.9676/1.9685	0.0009/0.0017	0.0791	2.1260/2.1269	0.7870	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-327S									
Thrust Washer Set		TW-327S	STD	2.1850/2.2440		3.0510/3.0710		0.0970	
		MB-2753W(U)							
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1431P									
5	1488CC (1.5L) D15A2 SOHC,D15A3 4 Cyl (1987)			2.913in./74mm x 3.386in./86mm					5
	1493CC (1.5L) D15B1/D15B2 4 Cyl (1988-1991)			2.953in./75mm x 3.346in./85mm					
	1493CC (1.5L) D15B7 SOHC,D15B8 SOHC,D15Z1 V-TEC SOHC 4 Cyl (1992-1995)			2.953in./75mm x 3.346in./85mm					
Rod Bearing(4)	TM-1	CB-1459P	STD, .25mm, .50mm	1.6525/1.6535	0.0008/0.0015	0.0590	1.7717/1.7727	0.7280	
Main Bearing Set	TM-1	MS-1806AL	STD, .25mm, .50mm						
1-2-3-4-5		MB-3178AL		1.7707/1.7717	0.0009/0.0017	0.0788	1.9291/1.9300	0.7870	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-327S									
Thrust Washer Set		TW-327S	STD	2.1850/2.2440		3.0510/3.0710		0.0970	
		MB-2753W(U)							
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1806AL									
Connecting Rod		20 Lbs.Ft. (1488CC (1.5L) D15A2 SOHC)							
Connecting Rod		23 Lbs.Ft. (1493CC (1.5L) D15B2 SOHC)							
Connecting Rod		24 Lbs.Ft. (1493CC (1.5L) D15B7 SOHC)							
Main Bearing		36 Lbs.Ft. (1488CC (1.5L) D15A2 SOHC)							
Main Bearing		47 Lbs.Ft. (1493CC (1.5L) D15B2 SOHC)							
Main Bearing		Step A 18 Lbs.Ft.; Step B 38 Lbs.Ft. (1493CC (1.5L) D15B7 SOHC)							
6	1488CC (1.5L) EC (Canadian) 4 Cyl (1975-1979)			2.913in./74mm x 3.386in./86mm					6
	1488CC (1.5L) ED1/ED2 4 Cyl (1975)			2.913in./74mm x 3.386in./86mm					
	1488CC (1.5L) ED3/ED4 4 Cyl (1976-1979)			2.913in./74mm x 3.386in./86mm					
	1488CC (1.5L) EM1 SOHC 4 Cyl (1980-1983)			2.913in./74mm x 3.386in./86mm					
	1599CC (1.6L) EF1 SOHC 4 Cyl (1976-1978)			2.913in./74mm x 3.661in./93mm					
	1599CC (1.6L) EG (Canadian) 4 Cyl (1978-1979)			2.913in./74mm x 3.661in./93mm					
	1602CC (1.6L) EL1 (Canadian) 4 Cyl (1982-1983)			3.031in./77mm x 3.386in./86mm					
	1751CC (1.8L) EK1 SOHC 4 Cyl (1979-1983)			3.031in./77mm x 3.701in./94mm					
Rod Bearing(4)	TM-77	CB-1223P	STD, .25mm, .50mm, .75mm	1.6526/1.6535	0.0005/0.0034	0.0591	1.7717/1.7726	0.6890	
NOTE: Undersize Bearings Can be Used But The Crankshaft Must Be Rehardened By The TUFFTRIDED Process									
Main Bearing Set	TM-1	MS-1431P	STD, .25mm, .50mm						
1-2-3-4-5		MB-2753P		1.9676/1.9685	0.0009/0.0017	0.0791	2.1260/2.1269	0.7870	
NOTE: Requires Thrust Washer Set, Not Included, Undersize Bearings Can Be Used But The Crankshaft Must Be Rehardened By The TUFFTRIDED Process, Use With Part Number TW-327S									
Thrust Washer Set		TW-327S	STD	2.1850/2.2440		3.0510/3.0710		0.0970	
		MB-2753W(U)							
NOTE: Contains 2 Pieces, Position Number 1, Use With Part Number MS-1431P									
Connecting Rod		18 To 21 Lbs.Ft.							
Main Bearing		30 To 35 Lbs.Ft.							
7	1488CC (1.5L) EW1 SOHC 4 Cyl (1984-1986)			2.913in./74mm x 3.386in./86mm					7
	1488CC (1.5L) EW3 SOHC 4 Cyl (1985)			2.913in./74mm x 3.386in./86mm					
	1488CC (1.5L) EW4 4 Cyl (1986)			2.913in./74mm x 3.386in./86mm					
Rod Bearing(4)	TM-1	CB-1459P	STD, .25mm, .50mm	1.6525/1.6535	0.0008/0.0015	0.0590	1.7717/1.7727	0.7280	
Main Bearing Set	TM-1	MS-1431P	STD, .25mm, .50mm						
1-2-3-4-5		MB-2753P		1.9676/1.9685	0.0009/0.0017	0.0791	2.1260/2.1269	0.7870	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-327S									



HONDA (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
7 (Cont.)	1488CC (1.5L) EW1 SOHC 4 Cyl (1984-1986)				2.913in./74mm x 3.386in./86mm			7 (Cont.)	
	1488CC (1.5L) EW3 SOHC 4 Cyl (1985)				2.913in./74mm x 3.386in./86mm				
	1488CC (1.5L) EW4 4 Cyl (1986)				2.913in./74mm x 3.386in./86mm				
Thrust Washer Set		TW-327S	STD	2.1850/2.2440		3.0510/3.0710		0.0970	
		MB-2753W(U)							
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1431P									
Connecting Rod		19 To 22 Lbs.Ft.							
Main Bearing		30 To 35 Lbs.Ft.							
8	1493CC (1.5L) D15B6 SOHC 4 Cyl (1988-1991)				2.953in./75mm x 3.346in./85mm			8	
Main Bearing Set 1-2-3-4-5		TM-1	MS-1806AL	STD,.25mm,.50mm	1.7707/1.7717	0.0009/0.0017	0.0788	1.9291/1.9300	0.7870
		MB-3178AL							
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-327S									
Thrust Washer Set		TW-327S	STD	2.1850/2.2440		3.0510/3.0710		0.0970	
		MB-2753W(U)							
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1806AL									
Connecting Rod		20 Lbs.Ft.							
Main Bearing		33 Lbs.Ft.							
9	1590CC (1.6L) D16A6 SOHC 4 Cyl (1988-1991)				2.953in./75mm x 3.543in./90mm			9	
	1590CC (1.6L) D16Y5 V-TEC-2 SOHC,D16Y8 V-TEC SOHC 4 Cyl (1996-2000)				2.953in./75mm x 3.543in./90mm				
	1590CC (1.6L) D16Y7 SOHC 4 Cyl (1996-2000)				2.953in./75mm x 3.188in./80.98mm				
	1590CC (1.6L) D16Z6 V-TEC SOHC 4 Cyl (1992-1995)				2.953in./75mm x 3.543in./90mm				
Rod Bearing(4)	TM-1	CB-1461P	STD,.25mm,.50mm	1.7707/1.7717	0.0008/0.0015	0.0592	1.8898/1.8907	0.7280	
Main Bearing Set 1-2-3-4-5		TM-1	MS-1804P	STD,.25mm,.50mm	2.1644/2.1654	0.0010/0.0019	0.0790	2.3228/2.3237	0.7870
		MB-3176P							
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-473S									
Thrust Washer Set		TW-473S	STD	2.4114/2.4213		3.2185/3.2283		0.0980	
		MB-3176W							
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1804P									
Connecting Rod		20 Lbs.Ft. (1590CC (1.6L) D16A6 SOHC)							
Connecting Rod		23 Lbs.Ft. (1590CC (1.6L) D16Z6 V-TEC SOHC)							
Connecting Rod		23 Lbs.Ft. (1990-1991, 1590CC (1.6L) D16A6 SOHC)							
Main Bearing		33 Lbs.Ft. (1988-1989, 1590CC (1.6L) D16A6 SOHC)							
Main Bearing		47 Lbs.Ft. (1590CC (1.6L) D16Z6 V-TEC SOHC)							
Main Bearing		47 Lbs.Ft. (1990-1991, 1590CC (1.6L) D16A6 SOHC)							
10	1595CC (1.6L) B16A2 V-TEC DOHC 4 Cyl (1996-2000)				3.189in./81mm x 3.047in./77.4mm			10	
	1595CC (1.6L) B16A3 V-TEC DOHC 4 Cyl (1994-1995)				3.189in./81mm x 3.047in./77.4mm				
Rod Bearing(4)	TM-1	CB-1777P	STD,.25mm,.50mm	1.7707/1.7717	0.0014/0.0043	0.0586	1.8898/1.8907	0.7677	
Main Bearing Set 1-2-3-4-5		TM-1	MS-2095P	STD,.25mm,.50mm	2.1644/2.1654	0.0010/0.0019	0.0785	2.3228/2.3237	0.7870
		MB-3760P							
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-473S									
Thrust Washer Set		TW-473S	STD	2.4114/2.4213		3.2185/3.2283		0.0980	
		MB-3176W							
NOTE: Contains 2 Pieces, Use With Part Number MS-2095P									
11	1598CC (1.6L) EY 4 Cyl (1983-1990)				3.149in./80mm x 3.149in./80mm			11	
Rod Bearing(4)	TM-1	CB-1460P	STD	1.6525/1.6535	0.0008/0.0015	0.0592	1.7717/1.7725	0.6890	
Main Bearing Set 1-2-3-4-5		TM-1	MS-1618P	STD,.25mm,.50mm	1.9675/1.9685	0.0007/0.0037	0.0791	2.1260/2.1269	0.7870
		MB-2966P							
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-327S									
Thrust Washer Set		TW-327S	STD	2.1850/2.2440		3.0510/3.0710		0.0970	
		MB-2753W(U)							
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1618P									
12	1829CC (1.8L) A18A1/A18A2 4 Cyl (1987)				3.150in./80mm x 3.583in./91mm			12	
	1829CC (1.8L) ES1 SOHC 4 Cyl (1983)				3.150in./80mm x 3.583in./91mm				
	1829CC (1.8L) ES2 Carbureted SOHC 4 Cyl (1984-1985)				3.150in./80mm x 3.583in./91mm				
	1829CC (1.8L) ES3 Fuel Inj. SOHC 4 Cyl (1985)				3.150in./80mm x 3.583in./91mm				
	1829CC (1.8L) ET2 SOHC 4 Cyl (1984-1986)				3.150in./80mm x 3.583in./91mm				
	1955CC (2.0L) A20A1/A20A3/BS1/BS2/BT1 4 Cyl (1985-1989)				3.258in./82.75mm x 3.583in./91mm				
		1955CC (2.0L) BT2 SOHC 4 Cyl (1986)		3.258in./82.75mm x 3.583in./91mm					
Rod Bearing(4)	TM-1	CB-1353P	STD,.25mm,.50mm	1.7707/1.7717	0.0005/0.0034	0.0591	1.8898/1.8907	0.7680	



HONDA (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
12 (Cont.)	1829CC (1.8L) A18A1/A18A2 4 Cyl (1987)				3.150in./80mm x 3.583in./91mm				12 (Cont.)
	1829CC (1.8L) ES1 SOHC 4 Cyl (1983)				3.150in./80mm x 3.583in./91mm				
	1829CC (1.8L) ES2 Carbureted SOHC 4 Cyl (1984-1985)				3.150in./80mm x 3.583in./91mm				
	1829CC (1.8L) ES3 Fuel Inj. SOHC 4 Cyl (1985)				3.150in./80mm x 3.583in./91mm				
	1829CC (1.8L) ET2 SOHC 4 Cyl (1984-1986)				3.150in./80mm x 3.583in./91mm				
	1955CC (2.0L) A20A1/A20A3/BS1/BS2/BT1 4 Cyl (1985-1989)				3.258in./82.75mm x 3.583in./91mm				
1955CC (2.0L) BT2 SOHC 4 Cyl (1986)				3.258in./82.75mm x 3.583in./91mm					
Main Bearing Set 1-2-3-4-5		TM-1	MS-1618P MB-2966P	STD.,25mm.,50mm	1.9675/1.9685	0.0007/0.0037	0.0791	2.1260/2.1269	0.7870
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-327S									
Thrust Washer Set			TW-327S MB-2753W(U)	STD	2.1850/2.2440			3.0510/3.0710	0.0970
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1618P									
Connecting Rod		23 Lbs.Ft. (1990-1991,)							
Main Bearing		48 Lbs.Ft. (1829CC (1.8L) A18A1 SOHC,1829CC (1.8L) ES1 SOHC,1829CC (1.8L) ES2 Carbureted SOHC,1829CC (1.8L) ES3 Fuel Inj. SOHC,1829CC (1.8L) ET2 SOHC)							
Main Bearing		49 Lbs.Ft. (1955CC (2.0L) BT1 SOHC,1955CC (2.0L) BT2 SOHC)							
13	1958CC (2.0L) B20A3 SOHC Carbureted 4 Cyl (1988-1990)				3.189in./81mm x 3.740in./95mm				13
Rod Bearing(4)		TM-1	CB-1353P	STD.,25mm.,50mm	1.7707/1.7717	0.0005/0.0034	0.0591	1.8898/1.8907	0.7680
Main Bearing Set 1-2-3-4-5		TM-1	MS-1804P MB-3176P	STD.,25mm.,50mm	2.1644/2.1654	0.0010/0.0019	0.0790	2.3228/2.3237	0.7870
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-473S									
Thrust Washer Set			TW-473S MB-3176W	STD	2.4114/2.4213			3.2185/3.2283	0.0980
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1804P									
Connecting Rod		23 Lbs.Ft.							
Main Bearing		49 Lbs.Ft.							
14	1958CC (2.0L) B20A5 DOHC 4 Cyl (1988-1991)				3.189in./81mm x 3.740in./95mm				14
				2056CC (2.1L) B21A1 DOHC 4 Cyl (1990-1991)				3.268in./83mm x 3.740in./95mm	
Rod Bearing(4)		TM-1	CB-1456P	STD.,25mm.,50mm	1.8888/1.8898	0.0007/0.0035	0.0590	2.0079/2.0087	0.7640
Main Bearing Set 1-2-3-4-5		TM-1	MS-1804P MB-3176P	STD.,25mm.,50mm	2.1644/2.1654	0.0010/0.0019	0.0790	2.3228/2.3237	0.7870
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-473S									
Thrust Washer Set			TW-473S MB-3176W	STD	2.4114/2.4213			3.2185/3.2283	0.0980
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1804P									
Connecting Rod		34 Lbs.Ft.							
Main Bearing		49 Lbs.Ft.							
15	1972CC (2.0L) B20B4 4 Cyl (1997-1998)				3.307in./84mm x 3.504in./89mm				15
				1972CC (2.0L) B20Z2 DOHC 4 Cyl (1999-2001)				3.307in./84mm x 3.504in./89mm	
Rod Bearing(4)		TM-1	CB-1461P	STD.,25mm.,50mm	1.7707/1.7717	0.0008/0.0015	0.0592	1.8898/1.8907	0.7280
Main Bearing Set 1-2-3-4-5		TM-1	MS-2095P MB-3760P	STD.,25mm.,50mm	2.1644/2.1654	0.0010/0.0019	0.0785	2.3228/2.3237	0.7870
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-473S									
Thrust Washer Set			TW-473S MB-3176W	STD	2.4114/2.4213			3.2185/3.2283	0.0980
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-2095P									
16	2156CC (2.2L) F22A1 SOHC 4 Cyl (1990-1996)				3.346in./85mm x 3.740in./95mm				16
	2156CC (2.2L) F22A4 SOHC 4 Cyl (1990-1991)				3.346in./85mm x 3.740in./95mm				
	2156CC (2.2L) F22A6 SOHC 4 Cyl (1991-1993)				3.346in./85mm x 3.740in./95mm				
	2156CC (2.2L) F22B1 V-TEC SOHC,F22B2 SOHC 4 Cyl (1994-1997)				3.346in./85mm x 3.740in./95mm				
	2259CC (2.3L) H23A1 DOHC 4 Cyl (1992-1996)				3.425in./87mm x 3.740in./95mm				
	2156CC (2.2L) F22B6 SOHC 4 Cyl (1995-1997)				3.346in./85mm x 3.740in./95mm				
Rod Bearing(4)		TM-1	CB-1456P	STD.,25mm.,50mm	1.8888/1.8898	0.0007/0.0035	0.0590	2.0079/2.0087	0.7640
NOTE: Engines With 1.8888"/1.8898" Diameter Shaft									
Main Bearing Set 1-2-3-4-5		TM-1	MS-2012P MB-3474P	STD.,25mm.,50mm	1.9677/1.9687	0.0005/0.0015	0.0788	2.1253/2.1263	0.7880
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-587S									



HONDA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
16 (Cont.)	2156CC (2.2L) F22A1 SOHC 4 Cyl (1990-1996)			3.346in./85mm x 3.740in./95mm				16 (Cont.)
	2156CC (2.2L) F22A4 SOHC 4 Cyl (1990-1991)			3.346in./85mm x 3.740in./95mm				
	2156CC (2.2L) F22A6 SOHC 4 Cyl (1991-1993)			3.346in./85mm x 3.740in./95mm				
	2156CC (2.2L) F22B1 V-TEC SOHC,F22B2 SOHC 4 Cyl (1994-1997)			3.346in./85mm x 3.740in./95mm				
	2259CC (2.3L) H23A1 DOHC 4 Cyl (1992-1996)			3.425in./87mm x 3.740in./95mm				
	2156CC (2.2L) F22B6 SOHC 4 Cyl (1995-1997)			3.346in./85mm x 3.740in./95mm				
Thrust Washer Set		TW-587S STD MB-3474W		2.2641		3.0713		0.0980
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-2012P								
Connecting Rod		34 Lbs.Ft.						
Main Bearing		54 Lbs.Ft. (Lubricated Bolts)						
Main Bearing		Step A 22 Lbs.Ft.; Step B 55 Lbs.Ft. (2156CC (2.2L) F22A1 SOHC,2156CC (2.2L) F22A4 SOHC,2156CC (2.2L) F22A6 SOHC)						
17	2157CC (2.2L) H22A1 V-TEC DOHC 4 Cyl (1993-1996)			3.425in./87mm x 3.571in./90.7mm				17
Rod Bearing(4)	TM-1	CB-1780P	STD,.25mm,.50mm	1.8888/1.8898	0.0008/0.0036	0.0589	2.0079/2.0087	0.7650
Main Bearing Set 1-2-3-4-5	TM-1	MS-2012P MB-3474P	STD,.25mm,.50mm	1.9677/1.9687	0.0005/0.0015	0.0788	2.1253/2.1263	0.7880
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-587S								
Thrust Washer Set		TW-587S STD MB-3474W		2.2641		3.0713		0.0980
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-2012P								
18	2157CC (2.2L) H22A4 V-TEC DOHC 4 Cyl (1997-2001)			3.425in./87mm x 3.571in./90.7mm				18
Rod Bearing(4)	TM-1	CB-1780P	STD,.25mm,.50mm	1.8888/1.8898	0.0008/0.0036	0.0589	2.0079/2.0087	0.7650
Main Bearing Set 1-2-3-4-5	TM-1	MS-1804P MB-3176P	STD,.25mm,.50mm	2.1644/2.1654	0.0010/0.0019	0.0790	2.3228/2.3237	0.7870
NOTE: 1998-2001, Requires Thrust Washer Set, Not Included, Use With Part Number TW-473S								
Main Bearing Set 1-2-3-4-5	TM-1	MS-2012P MB-3474P	STD,.25mm,.50mm	1.9677/1.9687	0.0005/0.0015	0.0788	2.1253/2.1263	0.7880
NOTE: 1997, Requires Thrust Washer Set, Not Included, Use With Part Number TW-587S								
Thrust Washer Set		TW-473S STD MB-3176W		2.4114/2.4213		3.2185/3.2283		0.0980
NOTE: 1998-2001, Contains 2 Pieces, Position Number 4, Use With Part Number MS-1804P								
Thrust Washer Set		TW-587S STD MB-3474W		2.2641		3.0713		0.0980
NOTE: 1997, Contains 2 Pieces, Position Number 4, Use With Part Number MS-2012P								
19	2559CC (2.6L) 4ZE1 SOHC Isuzu 4 Cyl (1994-1996)			3.646in./92.6mm x 3.736in./95mm				19
Rod Bearing(4)	AL-3	CB-1480AL	STD,.25mm,.50mm	1.9262/1.9268	0.0010/0.0026	0.0596	2.0466/2.0474	0.8320
Main Bearing Set 1-2-3-4-5	TM-1	MS-1821AL MB-3210AL	STD,.25mm,.50mm	2.2016/2.2022	0.0012/0.0028	0.0791	2.3614/2.3622	0.8610
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								
Thrust Washer Set		TW-451S STD MB-3061W		2.5197		3.1575		0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1821AL								
Connecting Rod		43 Lbs.Ft.						
Main Bearing		72 Lbs.Ft.						
6 CYL								
20	2675CC (2.7L) C27A4 SOHC V6 Cyl (1995-1997)			3.425in./87mm x 2.953in./75mm				20
Rod Bearing(6)	TM-1	CB-1457P	STD,.25mm	2.0463/2.0472	0.0010/0.0020	0.0592	2.1654/2.1663	0.6890
21	3165CC (3.2L) DOHC 6VD1 Isuzu V6 Cyl (1998-2002)			3.677in./93.4mm x 3.031in./77mm				21
	3165CC (3.2L) SOHC ISZ (6VD1) Isuzu V6 Cyl (1994-1997)			3.677in./93.4mm x 3.031in./77mm				
Rod Bearing(6)	TM-1	CB-1830P	STD,.25mm,.50mm	2.1229/2.1235	0.0007/0.0031	0.0596	2.2434/2.2441	0.6740
Main Bearing Set 1-4	TM-1	MS-2236P MB-3805P	STD,.25mm,.50mm	2.5165/2.5170	0.0010/0.0033	0.0995	2.7157/2.7165	0.7280
2-3		MB-3806P		2.5165/2.5170	0.0010/0.0033	0.0995	2.7157/2.7165	0.6500
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-615S								



HONDA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
21 (Cont.)	3165CC (3.2L) DOHC 6VD1 Isuzu V6 Cyl (1998-2002)				3.677in./93.4mm x 3.031in./77mm			21 (Cont.)
	3165CC (3.2L) SOHC ISZ (6VD1) Isuzu V6 Cyl (1994-1997)				3.677in./93.4mm x 3.031in./77mm			
Thrust Washer Set		TW-615S MB-3807W	STD	2.7953/2.8051			0.0770	
NOTE: Contains 2 Pieces, Use With Part Number MS-2236P								
C/S Forging		KN224						

HUMMER

ENGINE DATA								
Engine	Years	Block	Engine	Years	Block			
5 CYL			8 CYL (Cont.)					
211 CID (3.5L) L52 Vortec 3500 DOHC 20 Valve Chevrolet	2006	1	365 CID (6.0L) Vortec 6000 Chevrolet	2002-2005	3			
			379 CID (6.2L) Chevrolet Diesel	1992-1993	4			
			395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1999	4			
			395 CID/6468CC (6.5L) Chevrolet Turbocharged Diesel	1996-2002	4			
350 CID (5.7L) Fuel Injected Chevrolet	1995-1996	2						
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
H1	395 CID/6468CC (6.5L) Chevrolet Diesel	2002-2004	4	HMCO	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-2001	4	
H2	365 CID (6.0L) Vortec 6000 Chevrolet	2002-2007	3	HMCS	350 CID (5.7L) Fuel Injected Chevrolet	1995-1996	2	
H3	211 CID (3.5L) L52 Vortec 3500 DOHC 20 Valve Chevrolet	2006	1	HMCS	379 CID (6.2L) Chevrolet Diesel	1992-1993	4	
HMC4	350 CID (5.7L) Fuel Injected Chevrolet	1995-1996	2	HMCS	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1998	4	
HMC4	379 CID (6.2L) Chevrolet Diesel	1992-1993	4	HMCS	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-2001	4	
HMC4	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1998	4	XLC2	350 CID (5.7L) Fuel Injected Chevrolet	1995-1996	2	
HMC4	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-2001	4	XLC2	379 CID (6.2L) Chevrolet Diesel	1992-1993	4	
HMCO	350 CID (5.7L) Fuel Injected Chevrolet	1995-1996	2	XLC2	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1998	4	
HMCO	379 CID (6.2L) Chevrolet Diesel	1992-1993	4	XLC2	395 CID/6468CC (6.5L) Chevrolet Diesel	1996-2001	4	
HMCO	395 CID/6468CC (6.5L) Chevrolet Diesel	1994-1998	4					
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
5 CYL								
1	211 CID (3.5L) L52 Vortec 3500 DOHC 20 Valve Chevrolet 5 Cyl (2006)				3.661in./93mm x 4.016in./102mm			1
Rod Bearing(5)	TM-77	CB-1811P	STD,10,20	2.2319/2.2325	0.0002/0.0024	0.0711	2.3749/2.3755	0.8110
Rod Bearing(5)	TM-77	CB-1816P-10	20	2.2319/2.2325	0.0002/0.0024	0.0721	2.3769/2.3775	0.8110
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-5-6 4	AL-3	MS-2250AL MB-3781P MB-3782P(F)	STD,10,20	2.7546/2.7552 2.7546/2.7552	0.0003/0.0020 0.0003/0.0020	0.1592 0.1592	3.0736/3.0743 3.0736/3.0743	0.8141 0.9980
Balance Shaft Bearing Set	AL-3	SH-2000S	STD					
Left Center		SH-2008					1.8951/1.8959	0.8740
Left Front		SH-2007					1.8668/1.8675	0.8740
Right Center		SH-2009					1.6249/1.6257	0.8740
Right Front		SH-2010					1.5965/1.5973	0.8740
Piston Pin Bushing(5)	C-1	223-3664	STD	0.9054/0.9055		0.0540	1.0133/1.0148	0.9350
Piston Pin Bushing(5)	C-1	223-3668	STD	0.9054/0.9055		0.0630	1.0133/1.0148	0.9350
NOTE: Requires Boring								



HUMMER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL								
2	350 CID (5.7L) Fuel Injected Chevrolet V8 Cyl (1995-1996)				4.000in./101.6mm x 3.484in./88.5mm			2
Rod Bearing(8)	AL-5	CB-663A	STD,10,20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A	STD,10,20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4 5	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
Cam Bearing Set 1 2-5 3-4	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3892671, 3916396, 3923282, 3946841							
C/S Forging	1182, 2690, 306275, 306276, 310514, 3732444, 3832442, 3912335, 3932444, 3941184, 4568749							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
3	365 CID (6.0L) Vortec 6000 Chevrolet V8 Cyl (2002-2005)				4.000in./101.6mm x 3.622in./92mm			3
Rod Bearing(8)	AL-5	CB-663A	STD,10,20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A	STD,10,20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	TM-77	MS-2199P MB-3591P MB-3592P(F)	STD,10,20,30	2.5588/2.5593 2.5588/2.5593	0.0002/0.0018 0.0002/0.0018	0.0957 0.0957	2.7509/2.7515 2.7509/2.7515	0.8050 1.0280
Cam Bearing Set 1-5 2-4 3	B-1	SH-1814S SH-1814 SH-1815 SH-1816	STD	2.1650/2.1670 2.1650/2.1670 2.1650/2.1670	0.0011/0.0063 0.0011/0.0063 0.0011/0.0063	0.0790 0.0740 0.0692	2.3260/2.3280 2.3161/2.3181 2.3063/2.3083	0.6350 0.6350 0.6350
NOTE: 2002, 2003, 1st Design; Positions 1 And 5 Housing Bore is 2.3260"/2.3280"								



HUMMER (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)									
3 (Cont.)	365 CID (6.0L) Vortec 6000 Chevrolet V8 Cyl (2002-2005)				4.000in./101.6mm x 3.622in./92mm				3 (Cont.)
Cam Bearing Set	B-1	SH-1995S	STD						
1-5		SH-1995			2.1650/2.1670	0.0011/0.0063	0.0890	2.3460/2.3480	0.6350
2-4		SH-1814			2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6350
3		SH-1816			2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
NOTE: 2004-2005, 2003, 2nd Design; Positions 1 And 5 Housing Bore is 2.3460"/2.3480"									
Piston Pin Bushing(8)	C-1	223-3663	STD				0.0585		0.9350
NOTE: Requires Light Reaming									
4	379 CID (6.2L) Chevrolet Diesel V8 Cyl (1992-1993)				3.976in./101mm x 3.819in./97mm				
	395 CID/6468CC (6.5L) Chevrolet Diesel V8 Cyl (1994-1999)				4.055in./103mm x 3.819in./97mm				4
	395 CID/6468CC (6.5L) Chevrolet Turbocharged Diesel V8 Cyl (1996-2002)				4.055in./103mm x 3.819in./97mm				
Rod Bearing(8)	TM-77	CB-1286P	STD,.026mm,.25mm,.50mm,.75mm		2.3982/2.3992	0.0014/0.0044	0.0620	2.5246/2.5256	0.9020
Main Bearing Set	TM-77	MS-2091P	STD,.026mm,.25mm,.50mm,.75mm						
1-2-4		MB-3587P			2.9495/2.9504	0.0016/0.0045	0.0955	3.1427/3.1437	0.8970
3		MB-3588P(F)			2.9495/2.9504	0.0016/0.0045	0.0955	3.1427/3.1437	1.1300
5		MB-3589P			2.9493/2.9503	0.0018/0.0047	0.0955	3.1427/3.1437	1.3910
Cam Bearing Set	AL-3	SH-1366S	STD						
1		SH-1366			2.1644/2.1663	0.0005/0.0050	0.0801	2.3270/2.3290	0.9260
2		SH-1367			2.1644/2.1663	0.0005/0.0050	0.0756	2.3180/2.3200	0.8070
3		SH-1368			2.1644/2.1663	0.0005/0.0050	0.0706	2.3080/2.3100	0.8070
4		SH-1369			2.1644/2.1663	0.0005/0.0050	0.0656	2.2980/2.3000	0.8070
5		SH-1370			2.0069/2.0089	0.0005/0.0050	0.0661	2.1410/2.1430	0.8070
Piston Pin Bushing(8)	C-1	223-3576	STD				0.0580	1.3030/1.3045	1.0010
NOTE: Requires Boring, .995" Length,1.201" Inside Diameter,1.309" Outside Diameter									
C/S Forging	14024236								
Connecting Rod	48 Lbs.Ft.								
Main Bearing	100 Lbs.Ft. (Outer Bolts)								
Main Bearing	110 Lbs.Ft. (Inner Bolts)								
Main Bearing	111 Lbs.Ft. (Outer Bolts)								
HYUNDAI									
ENGINE DATA									
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block		
4 CYL				4 CYL (Cont.)					
1439CC (1.4L) 4G33 Mitsubishi	1984-1987	2.874in./73mmX3.386in./86mm	1	1597CC (1.6L) 4G32 SOHC Mitsubishi	1985-1990	3.028in./76.9mmX3.386in./86mm	5		
1468CC (1.5L) G4AJ 8 Valve Mitsubishi	1986-1989	2.972in./75.5mmX3.228in./82mm	2	1997CC (2.0L) G4CP DOHC Mitsubishi	1992-1998	3.346in./85mmX3.465in./88mm	6		
1468CC (1.5L) G4DJ 8 Valve Mitsubishi	1990-1994	2.972in./75.5mmX3.228in./82mm	3	1997CC (2.0L) G63B SOHC Mitsubishi	1985-1989	3.346in./85mmX3.465in./88mm	7		
1495CC (1.5L) G4EK SOHC 12 Valve Mitsubishi	1994-2002	2.972in./75.5mmX3.287in./83.5mm	4	2351CC (2.4L) G4CS SOHC Mitsubishi	1989-1991	3.406in./86.5mmX3.937in./100mm	8		
1495CC (1.5L) G4EK SOHC 12 Valve Mitsubishi	1994-1995	2.972in./75.5mmX3.287in./83.5mm	4	6 CYL					
Turbocharged				2972CC (3.0L) G6AT SOHC Mitsubishi	1989-1998	3.587in./91.1mmX2.992in./76mm	9		
1595CC (1.6L) DOHC Mitsubishi	1992-1995	3.240in./82.3mmX2.953in./75mm	5						
MODEL DATA									
Model	Engine	Years	Block	Model	Engine	Years	Block		
Accent	1495CC (1.5L) G4EK SOHC 12 Valve Mitsubishi	1995-2002	4	Pony	1439CC (1.4L) 4G33 Mitsubishi	1984-1987	1		
Elantra	1595CC (1.6L) DOHC Mitsubishi	1992-1995	5	Pony	1597CC (1.6L) 4G32 SOHC Mitsubishi	1985-1988	5		
Excel	1468CC (1.5L) G4AJ 8 Valve Mitsubishi	1986-1989	2	Pony	1597CC (1.6L) 4G32 SOHC Mitsubishi	1985-1990	5		
Excel	1468CC (1.5L) G4DJ 8 Valve Mitsubishi	1990-1994	3	Scoupe	1468CC (1.5L) G4DJ 8 Valve Mitsubishi	1991-1992	3		
Pony	1439CC (1.4L) 4G33 Mitsubishi	1984-1987	1						



HYUNDAI (Cont.)											
MODEL DATA (Cont.)											
Model	Engine	Years	Block	Model	Engine	Years	Block				
Scoupe	1495CC (1.5L) G4EK SOHC 12 Valve Mitsubishi	1994-1995	4	Sonata	2972CC (3.0L) G6AT SOHC Mitsubishi	1989-1998	9				
Sonata	1997CC (2.0L) G4CP DOHC Mitsubishi	1992-1998	6	Stellar	1597CC (1.6L) 4G32 SOHC Mitsubishi	1985-1988	5				
Sonata	2351CC (2.4L) G4CS SOHC Mitsubishi	1989-1991	8	Stellar	1997CC (2.0L) G63B SOHC Mitsubishi	1985-1989	7				
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
4G1	3.228in./82mm	3	4K	3.228in./82mm	3	4XCIU	3.228in./82mm	3	5 E	3.287in./83.5mm	4
4G61	3.228in./82mm	3	4XC1-U	3.228in./82mm	3	4XCU	3.287in./83.5mm	4	508E-6303	3.287in./83.5mm	4
4G-3	3.228in./82mm	3	4XC-U	3.287in./83.5mm	4	4XCUT	3.287in./83.5mm	4	565524DYNA	3.287in./83.5mm	4
4K05	3.228in./82mm	3	4XC-UT	3.287in./83.5mm	4	4ZE1	3.287in./83.5mm	4	G6	3.465in./88mm	6
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL											
1	1439CC (1.4L) 4G33 Mitsubishi 4 Cyl (1984-1987)					2.874in./73mm x 3.386in./86mm					1
Rod Bearing(4)	AL-3	CB-1120AL	STD.,.25mm,.50mm,.75mm,1.00mm			1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250	
Main Bearing Set 1-2-4-5	TM-1	MS-2076P	STD.,.25mm,.50mm			2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	0.9060	
3		MB-2869P				2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	1.1400	
NOTE: All Sizes Contain Standard Length Flanged Bearing											
Connecting Rod	23 To 25 Lbs.Ft.										
Main Bearing	36 To 39 Lbs.Ft.										
2	1468CC (1.5L) G4AJ 8 Valve Mitsubishi 4 Cyl (1986-1989)					2.972in./75.5mm x 3.228in./82mm					2
Rod Bearing(4)	AL-3	CB-1278AL	STD.,.25mm,.50mm,.75mm			1.6527/1.6535	0.0011/0.0035	0.0588	1.7717/1.7725	0.6940	
Main Bearing Set 1-2-4-5	TM-1	MS-1668P	STD.,.25mm,.50mm			1.8890/1.8898	0.0011/0.0034	0.0783	2.0472/2.0480	0.7520	
3		MB-3049P				1.8890/1.8898	0.0011/0.0034	0.0793	2.0472/2.0480	0.9430	
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,Partial Grooved Main Bearings											
Main Bearing Set 1-2-4-5	TM-1	MS-2075P-.25mm				1.8890/1.8898	0.0011/0.0034	0.0783	2.0472/2.0480	0.7520	
3		MB-3049P				1.8890/1.8898	0.0011/0.0034	0.0783	2.0472/2.0480	0.9430	
NOTE: All Sizes Contain Standard Length Flanged Bearing,Partial Grooved Main Bearings											
Connecting Rod	24 To 25 Lbs.Ft.										
Main Bearing	37 To 39 Lbs.Ft.										
3	1468CC (1.5L) G4DJ 8 Valve Mitsubishi 4 Cyl (1990-1994)					2.972in./75.5mm x 3.228in./82mm					3
Rod Bearing(4)	AL-3	CB-1278AL	STD.,.25mm,.50mm,.75mm			1.6527/1.6535	0.0011/0.0035	0.0588	1.7717/1.7725	0.6940	
NOTE: Thru 9/90											
Rod Bearing(4)	AL-3	CB-1588AL	STD.,.25mm,.50mm			1.6527/1.6535	0.0011/0.0035	0.0588	1.7717/1.7725	0.6100	
NOTE: From 9/90											
Main Bearing Set 1-2-4-5	TM-1	MS-1668P	STD.,.25mm,.50mm			1.8890/1.8898	0.0011/0.0034	0.0783	2.0472/2.0480	0.7520	
3		MB-3049P				1.8890/1.8898	0.0011/0.0034	0.0793	2.0472/2.0480	0.9430	
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,Partial Grooved Main Bearings											
Main Bearing Set 1-2-4-5	TM-1	MS-2075P-.25mm				1.8890/1.8898	0.0011/0.0034	0.0783	2.0472/2.0480	0.7520	
3		MB-3049P				1.8890/1.8898	0.0011/0.0034	0.0783	2.0472/2.0480	0.9430	
NOTE: All Sizes Contain Standard Length Flanged Bearing,Partial Grooved Main Bearings											
C/S Forging 4K, 4G1, 4G-3, 4G61, 4K05, 4XCIU, 4XC1-U											
Connecting Rod	24 To 25 Lbs.Ft.										
Main Bearing	37 To 39 Lbs.Ft.										
4	1495CC (1.5L) G4EK SOHC 12 Valve Mitsubishi 4 Cyl (1994-2002)					2.972in./75.5mm x 3.287in./83.5mm					4
1495CC (1.5L) G4EK SOHC 12 Valve Mitsubishi Turbocharged 4 Cyl (1994-1995)						2.972in./75.5mm x 3.287in./83.5mm					
Rod Bearing(4)	TM-1	CB-1829P	STD.,.25mm,.50mm			1.7707/1.7713	0.0008/0.0028	0.0589	1.8898/1.8905	0.7530	



HYUNDAI (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
4 (Cont.)	1495CC (1.5L) G4EK SOHC 12 Valve Mitsubishi 4 Cyl (1994-2002)			2.972in./75.5mm x 3.287in./83.5mm				4 (Cont.)
	1495CC (1.5L) G4EK SOHC 12 Valve Mitsubishi Turbocharged 4 Cyl (1994-1995)			2.972in./75.5mm x 3.287in./83.5mm				
Main Bearing Set 1-2-4-5 3	TM-1	MS-2234P MB-3803P MB-3804P(F)	STD.,25mm,.50mm	1.9676/1.9682 1.9676/1.9682	0.0008/0.0028 0.0008/0.0028	0.0785 0.0785	2.1260/2.1268 2.1260/2.1268	0.7140 0.9020
C/S Forging 5 E, 4XCU, 4ZE1, 4XC-U, 4XCUT, 4XC-UT, 508E-6303, 565524DYNA								
Connecting Rod 24 To 25 Lbs.Ft.								
Main Bearing 37 To 39 Lbs.Ft.								
5	1595CC (1.6L) DOHC Mitsubishi 4 Cyl (1992-1995)			3.240in./82.3mm x 2.953in./75mm				5
	1597CC (1.6L) 4G32 SOHC Mitsubishi 4 Cyl (1985-1990)			3.028in./76.9mm x 3.386in./86mm				
Rod Bearing(4)	AL-6	CB-1120AL	STD.,25mm,.50mm,.75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250
Main Bearing Set 1-2-4-5 3	TM-1	MS-2076P MB-2869P MB-3572P(F)	STD.,25mm,.50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.9060 1.1400
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Balance Shaft Bearing Set	AL-3	SH-1465S	STD					
RH; Front		SH-1465		1.5344	0.0008/0.0030	0.0593	1.6545	0.7580
RH; LH Rear		SH-1466		1.4164	0.0017/0.0039	0.0589	1.5364	0.6300
6	1997CC (2.0L) G4CP DOHC Mitsubishi 4 Cyl (1992-1998)			3.346in./85mm x 3.465in./88mm				6
Rod Bearing(4)	TM-77	CB-1643P	STD.,25mm,.50mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.8010
Main Bearing Set 1-2-4-5 3	TM-1	MS-2039P MB-3504P MB-3505P(F)	STD.,25mm,.50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.8050 1.0040
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Balance Shaft Bearing Set	AL-3	SH-1469S	STD					
LH; Rear		SH-1468		1.6129	0.0010/0.0031	0.0589	1.7333	0.8268
RH; Front		SH-1467		1.6526	0.0010/0.0031	0.0593	1.7726	0.7480
RH; Rear		SH-1469		1.6129	0.0010/0.0031	0.0589	1.7333	0.8268
C/S Forging G6								
Connecting Rod 23 To 25 Lbs.Ft.								
Main Bearing 36 To 39 Lbs.Ft.								
7	1997CC (2.0L) G63B SOHC Mitsubishi 4 Cyl (1985-1989)			3.346in./85mm x 3.465in./88mm				7
Rod Bearing(4)	AL-6	CB-1120AL	STD.,25mm,.50mm,.75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250
Main Bearing Set 1-2-4-5 3	TM-1	MS-2076P MB-2869P MB-3572P(F)	STD.,25mm,.50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.9060 1.1400
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Balance Shaft Bearing Set	AL-3	SH-1467S	STD					
RH; Front		SH-1467		1.6526	0.0010/0.0031	0.0593	1.7726	0.7480
RH; LH Rear		SH-1468		1.6129	0.0010/0.0031	0.0589	1.7333	0.8268
NOTE: Thru 8/85								
Balance Shaft Bearing Set	AL-3	SH-1469S	STD					
LH; Rear		SH-1468		1.6129	0.0010/0.0031	0.0589	1.7333	0.8268
RH; Front		SH-1467		1.6526	0.0010/0.0031	0.0593	1.7726	0.7480
RH; Rear		SH-1469		1.6129	0.0010/0.0031	0.0589	1.7333	0.8268
NOTE: From 8/85								
Connecting Rod 23 To 25 Lbs.Ft.								
Main Bearing 36 To 39 Lbs.Ft.								
8	2351CC (2.4L) G4CS SOHC Mitsubishi 4 Cyl (1989-1991)			3.406in./86.5mm x 3.937in./100mm				8
Rod Bearing(4)	AL-6	CB-1120AL	STD.,25mm,.50mm,.75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250
Main Bearing Set 1-2-4-5 3	TM-1	MS-2076P MB-2869P MB-3572P(F)	STD.,25mm,.50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.9060 1.1400
NOTE: All Sizes Contain Standard Length Flanged Bearing, Naturally Aspirated								



HYUNDAI (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
8 (Cont.)	2351CC (2.4L) G4CS SOHC Mitsubishi 4 Cyl (1989-1991)			3.406in./86.5mm x 3.937in./100mm				8 (Cont.)
Balance Shaft Bearing Set	AL-3	SH-1469S	STD					
LH; Rear		SH-1468		1.6129	0.0010/0.0031	0.0589	1.7333	0.8268
RH; Front		SH-1467		1.6526	0.0010/0.0031	0.0593	1.7726	0.7480
RH; Rear		SH-1469		1.6129	0.0010/0.0031	0.0589	1.7333	0.8268
6 CYL								
9	2972CC (3.0L) G6AT SOHC Mitsubishi V6 Cyl (1989-1998)			3.587in./91.1mm x 2.992in./76mm				9
Rod Bearing(6)	TM-77	CB-1411P	STD,.25mm,.50mm,.75mm	1.9677/1.9685	0.0009/0.0027	0.0587	2.0866/2.0868	0.6120
Main Bearing Set 1-2-3-4	TM-77	MS-2226P MB-3791P	STD,.25mm,.50mm,.75mm	2.3614/2.3622	0.0007/0.0034	0.0784	2.5197/2.5204	0.7120
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-458S								
Thrust Washer Set		TW-458S	STD					
		MB-3108W(L)		2.5984/2.6083			3.0492/3.0594	0.0778
		MB-3108W(U)		2.5984/2.6083			3.0492/3.0594	0.0778
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2226P								
INFINITI								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
4 CYL				6 CYL (Cont.)				
1998CC (2.0L) SR20DE DOHC Nissan	1991-2002	3.386in./86mmX3.386in./86mm	1	3275CC (3.3L) VG33E SOHC Nissan	1997-1998	3.602in./91.5mmX3.268in./83mm	2	
6 CYL				8 CYL				
2960CC (3.0L) VG30DE DOHC Nissan	1993-1997	3.425in./87mmX3.268in./83mm	2	4130CC (4.1L) VH41DE DOHC	1997-1998	3.661in./93mmX2.992in./76mm	3	
2960CC (3.0L) VG30E SOHC Nissan	1990-1992	3.425in./87mmX3.268in./83mm	2	4494CC (4.5L) VH45DE DOHC	1990-1996	3.661in./93mmX3.268in./83mm	3	
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
G20	1998CC (2.0L) SR20DE DOHC Nissan	1991-1996	1	Q45	4130CC (4.1L) VH41DE DOHC	1997-1998	3	
J30	2960CC (3.0L) VG30DE DOHC Nissan	1993-1997	2	Q45	4494CC (4.5L) VH45DE DOHC	1990-1996	3	
M30	2960CC (3.0L) VG30E SOHC Nissan	1990-1992	2	QX4	3275CC (3.3L) VG33E SOHC Nissan	1997-1998	2	
CRANKSHAFT FORGING NUMBERS								
Forging No.	Stroke	Block	Forging No.	Stroke	Block			
F5	3.268in./83mm	2	VG30	3.268in./83mm	2			
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	1998CC (2.0L) SR20DE DOHC Nissan 4 Cyl (1991-2002)			3.386in./86mm x 3.386in./86mm				1
Rod Bearing(4)	TM-1	CB-1629P	STD,.25mm	1.8880/1.8890	0.0008/0.0018	0.0595	2.0079/2.0084	0.6690
Main Bearing Set 1-2-3-4-5	TM-1	MS-2015P MB-3478P	STD,.25mm	2.1636/2.1646	0.0005/0.0022	0.0779	2.3206/2.3216	0.7480
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-590S								
Thrust Washer Set		TW-590S	STD					
		MB-3478W		2.4314			3.2878	0.0770
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-2015P								
Connecting Rod	Step A 10 To 12 Lbs.Ft.; Step B 28 To 33 Lbs.Ft.							
Main Bearing	Step A 24 To 28 Lbs.Ft.; Step B 54 To 61 Lbs.Ft.							



INFINITI (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL									
2	2960CC (3.0L) VG30DE DOHC Nissan V6 Cyl (1993-1997)				3.425in./87mm x 3.268in./83mm				2
	2960CC (3.0L) VG30E SOHC Nissan V6 Cyl (1990-1992)				3.425in./87mm x 3.268in./83mm				
	3275CC (3.3L) VG33E SOHC Nissan V6 Cyl (1997-1998)				3.602in./91.5mm x 3.268in./83mm				
Rod Bearing(6)	TM-1	CB-1591P	STD.,.25mm,.50mm	1.9669/1.9675	0.0006/0.0024	0.0594	2.0866/2.0871	0.6690	
Main Bearing Set	TM-1	MS-1951P	STD.,.25mm,.50mm						
1		MB-3344P		2.4784/2.4793	0.0004/0.0034	0.0720	2.6238/2.6249	0.8860	
2-3		MB-3345P		2.4784/2.4793	0.0004/0.0034	0.0720	2.6238/2.6249	0.7480	
4		MB-3346P(F)		2.4784/2.4793	0.0004/0.0034	0.0720	2.6238/2.6249	1.1340	
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing									
Main Bearing Set	TM-1	MS-2074P-.25mm	.50mm						
1		MB-2995P		2.4784/2.4793	0.0011/0.0039	0.0720	2.6238/2.6243	0.8910	
2-3		MB-2996P		2.4784/2.4793	0.0011/0.0039	0.0720	2.6238/2.6243	0.7530	
4		MB-3570P(F)		2.4784/2.4793	0.0011/0.0039	0.0720	2.6238/2.6243	1.1360	
NOTE: All Sizes Contain Standard Length Flanged Bearing									
C/S Forging	F5, VG30								
Connecting Rod	33 To 40 Lbs.Ft. (2960CC (3.0L) VG30E SOHC,3275CC (3.3L) VG33E SOHC)								
Connecting Rod	43 To 48 Lbs.Ft. (2960CC (3.0L) VG30DE DOHC)								
Main Bearing	67 To 74 Lbs.Ft.								
8 CYL									
3	4130CC (4.1L) VH41DE DOHC V8 Cyl (1997-1998)				3.661in./93mm x 2.992in./76mm				3
	4494CC (4.5L) VH45DE DOHC V8 Cyl (1990-1996)				3.661in./93mm x 3.268in./83mm				
Rod Bearing(8)	TM-1	CB-1655P	STD.,.25mm	2.0455/2.0462	0.0008/0.0018	0.0594	2.1654/2.1659	0.7170	
Main Bearing Set	TM-1	MS-2060P	STD.,.25mm						
1-5		MB-3547P		2.5173/2.5183	0.0005/0.0019	0.0983	2.7143/2.7153	0.7880	
2-4		MB-3548P		2.5173/2.5183	0.0005/0.0019	0.0983	2.7143/2.7153	0.8780	
3		MB-3549P		2.5173/2.5183	0.0005/0.0019	0.0983	2.7143/2.7153	0.8370	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-597S									
Thrust Washer Set		TW-597S	STD						
		MB-3549W(L)						0.0768	
		MB-3549W(U)						0.0768	
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2060P									
INTERNATIONAL TRACTOR									
ENGINE DATA									
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block		
3 CYL				4 CYL (Cont.)					
D155 International 155 CID (2.5L) Diesel	3.875in./98.4mmX4.375in./111.1mm		32	C157 International 157 CID (2.6L)	3.375in./85.7mmX4.391in./111.5mm		35		
D179 International 179 CID (2.9L) Diesel	3.875in./98.4mmX5.063in./128.6mm		32	C164 International 164 CID (2.7L)	3.500in./88.9mmX4.250in./108mm		5		
4 CYL				C164 International 164 CID (2.7L)	3.500in./88.9mmX4.250in./108mm		5		
BC144 International 144 CID (2.4L) Diesel	3.375in./85.7mmX4.000in./101.6mm		33	C169 International 169 CID (2.8L)	3.563in./90.5mmX4.250in./108mm		7		
BD144 International 144 CID (2.4L) Diesel	3.375in./85.7mmX4.000in./101.6mm		33	C169 International 169 CID (2.8L)	3.563in./90.5mmX4.250in./108mm		7		
BD154 International 154 CID (2.5L) Diesel	3.500in./88.9mmX4.000in./101.6mm		33	C175 (Early) International 175 CID (2.9L)	3.625in./92.1mmX4.250in./108mm		7		
C60 International 60 CID (1.0L)	2.625in./66.7mmX2.750in./69.9mm		1	C175 (Early) International 175 CID (2.9L)	3.625in./92.1mmX4.250in./108mm		7		
C60 International 60 CID (1.0L)	2.625in./66.7mmX2.750in./69.9mm		1	C175 (Late) International 175 CID (2.9L)	3.563in./90.5mmX4.391in./111.5mm		8		
C113 International 113 CID (1.9L)	3.000in./76.2mmX4.000in./101.6mm		2	C175 (Late) International 175 CID (2.9L)	3.563in./90.5mmX4.391in./111.5mm		8		
C113 International 113 CID (1.9L)	3.000in./76.2mmX4.000in./101.6mm		2	C200 International 200 CID (3.3L)	3.813in./96.9mmX4.391in./111.5mm		8		
C123 International 123 CID (2.0L)	3.125in./79.4mmX4.000in./101.6mm		2	C248 International 248 CID (4.1L)	3.875in./98.4mmX5.250in./133.4mm		9		
C123 International 123 CID (2.0L)	3.125in./79.4mmX4.000in./101.6mm		2	C248 International 248 CID (4.1L)	3.875in./98.4mmX5.250in./133.4mm		9		
C135 International 135 CID (2.2L)	3.250in./82.6mmX4.063in./103.2mm		3	C264 International 264 CID (4.3L)	4.000in./101.6mmX5.250in./133.4mm		11		
C135 International 135 CID (2.2L)	3.250in./82.6mmX4.063in./103.2mm		3	C264 International 264 CID (4.3L)	4.000in./101.6mmX5.250in./133.4mm		11		
C146 International 146 CID (2.4L) Flex	3.375in./85.7mmX4.063in./103.2mm		34	C281 International 281 CID (4.6L)	4.125in./104.8mmX5.250in./133.4mm		11		
C152 International 152 CID (2.5L)	3.375in./85.7mmX4.250in./108mm		4	C281 International 281 CID (4.6L)	4.125in./104.8mmX5.250in./133.4mm		11		
C152 International 152 CID (2.5L)	3.375in./85.7mmX4.250in./108mm		4	D166 International 166 CID (2.7L)	3.688in./93.7mmX3.875in./98.4mm		6		
C153 International 153 CID (2.5L) Flex	3.375in./85.7mmX4.250in./108mm		34	Diesel					
				D166 International 166 CID (2.7L)	3.688in./93.7mmX3.875in./98.4mm		36		
				Diesel					
				D188 International 188 CID (3.1L)	3.688in./93.7mmX4.391in./111.5mm		36		
				Diesel					



INTERNATIONAL TRACTOR (Cont.)					
ENGINE DATA (Cont.)					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL (Cont.)			6 CYL (Cont.)		
D206 International 206 CID (3.4L)	3.875in./98.4mmX4.375in./111.1mm	37	D360 International 360 CID (5.9L)	3.875in./98.4mmX5.085in./129.2mm	20
D239 International 239 CID (3.9L)	3.875in./98.4mmX5.063in./128.6mm	37	Diesel		
D248 International 248 CID (4.1L)	3.875in./98.4mmX5.250in./133.4mm	10	D360 International 360 CID (5.9L)	3.875in./98.4mmX5.085in./129.2mm	20
Diesel			Diesel		
D248 International 248 CID (4.1L)	3.875in./98.4mmX5.250in./133.4mm	10	D361 International 361 CID (5.9L)	4.125in./104.8mmX4.500in./114.3mm	41
Diesel			Diesel		
D264 International 264 CID (4.3L)	4.000in./101.6mmX5.250in./133.4mm	10	D361 International 361 CID (5.9L)	4.125in./104.8mmX4.500in./114.3mm	22
Diesel			Diesel		
D264 International 264 CID (4.3L)	4.000in./101.6mmX5.250in./133.4mm	10	D407 International 407 CID (6.7L)	4.321in./109.7mmX4.625in./117.5mm	22
Diesel			Diesel		
D281 International 281 CID (4.6L)	4.125in./104.8mmX5.250in./133.4mm	10	D407 International 407 CID (6.7L)	4.321in./109.7mmX4.625in./117.5mm	42
Diesel			Diesel		
D281 International 281 CID (4.6L)	4.125in./104.8mmX5.250in./133.4mm	10	D414 International 414 CID (6.8L)	4.300in./109.2mmX4.750in./120.7mm	24
Diesel			Diesel		
D335 International 335 CID (5.5L)	4.406in./112mmX5.500in./139.7mm	12	D414 International 414 CID (6.8L)	4.300in./109.2mmX4.750in./120.7mm	43
Diesel			Diesel		
D350 International 350 CID (5.7L)	4.500in./114.3mmX5.500in./139.7mm	12	D429 International 429 CID (7.0L)	4.500in./114.3mmX4.500in./114.3mm	25
Diesel			Diesel		
D350 International 350 CID (5.7L)	4.500in./114.3mmX5.500in./139.7mm	12	D429 International 429 CID (7.0L)	4.500in./114.3mmX4.500in./114.3mm	25
Diesel			Diesel		
D370 International 370 CID (6.1L)	4.625in./117.5mmX5.500in./139.7mm	12	D436 International 436 CID (7.1L)	4.300in./109.2mmX5.000in./127mm	24
Diesel			Diesel		
D461 International 461 CID (7.6L)	4.750in./120.7mmX6.500in./165.1mm	13	D466 International 466 CID (7.6L)	4.300in./109.2mmX5.350in./135.9mm	24
Diesel			Diesel		
D461 International 461 CID (7.6L)	4.750in./120.7mmX6.500in./165.1mm	13	D466 International 466 CID (7.6L)	4.300in./109.2mmX5.350in./135.9mm	43
Diesel			Diesel		
DT239 International 239 CID (3.9L)	3.875in./98.4mmX5.063in./128.6mm	37	D502 International 502 CID (8.2L)	4.406in./112mmX5.500in./139.7mm	26
Diesel Turbocharged			Diesel		
6 CYL			D525 International 525 CID (8.6L)	4.500in./114.3mmX5.500in./139.7mm	26
BD220 International 220 CID (3.6L)	3.563in./90.5mmX3.688in./93.7mm	14	Diesel		
BD220 International 220 CID (3.6L)	3.563in./90.5mmX3.688in./93.7mm	38	D554 International 554 CID (9.1L)	4.625in./117.5mmX5.500in./139.7mm	26
BD240 International 240 CID (3.9L)	3.563in./90.5mmX4.016in./102mm	14	Diesel		
BD240 International 240 CID (3.9L)	3.563in./90.5mmX4.016in./102mm	38	D691 International 691 CID (11.3L)	4.750in./120.7mmX6.500in./165.1mm	27
BD264 International 264 CID (4.3L)	3.688in./93.7mmX4.125in./104.8mm	14	Diesel		
BD264 International 264 CID (4.3L)	3.688in./93.7mmX4.125in./104.8mm	38	D691 International 691 CID (11.3L)	4.750in./120.7mmX6.500in./165.1mm	27
BLD269 International 269 CID (4.4L)	3.563in./90.5mmX4.500in./114.3mm	18	Diesel		
C221 International 221 CID (3.6L)	3.563in./90.5mmX3.688in./93.7mm	17	D817 International 817 CID (13.4L)	5.375in./136.5mmX6.000in./152.4mm	28
C221 International 221 CID (3.6L)	3.563in./90.5mmX3.688in./93.7mm	15	Diesel		
C263 International 263 CID (4.3L)	3.563in./90.5mmX4.391in./111.5mm	17	DT282 International 282 CID (4.6L)	3.688in./93.7mmX4.391in./111.5mm	19
C263 International 263 CID (4.3L)	3.563in./90.5mmX4.391in./111.5mm	17	Diesel		
C282 International 282 CID (4.6L)	3.688in./93.7mmX4.391in./111.5mm	19	DT282 International 282 CID (4.6L)	3.688in./93.7mmX4.391in./111.5mm	19
C282 International 282 CID (4.6L)	3.688in./93.7mmX4.391in./111.5mm	15	Diesel		
C291 International 291 CID (4.8L)	3.750in./95.3mmX4.391in./111.5mm	19	DT301 International 301 CID (4.9L)	3.813in./96.9mmX4.391in./111.5mm	19
C301 International 301 CID (4.9L) Flex	3.813in./96.9mmX4.391in./111.5mm	17	Diesel Turbocharged		
C301 International 301 CID (4.9L) Flex	3.813in./96.9mmX4.391in./111.5mm	15	DT358 International 358 CID (5.9L)	3.875in./98.4mmX5.063in./128.6mm	40
D236 International 236 CID (3.9L)	3.688in./93.7mmX3.688in./93.7mm	16	Diesel Turbocharged		
Diesel			DT360 International 360 CID (5.9L)	3.875in./98.4mmX5.085in./129.2mm	21
D236 International 236 CID (3.9L)	3.688in./93.7mmX3.688in./93.7mm	19	Diesel Turbocharged		
Diesel			DT361 International 361 CID (5.9L)	4.125in./104.8mmX4.500in./114.3mm	41
D282 International 282 CID (4.6L)	3.688in./93.7mmX4.391in./111.5mm	16	Diesel Turbocharged		
Diesel			DT361 International 361 CID (5.9L)	4.125in./104.8mmX4.500in./114.3mm	22
D282 International 282 CID (4.6L)	3.688in./93.7mmX4.391in./111.5mm	19	Diesel Turbocharged		
Diesel			DT407 International 407 CID (6.7L)	4.321in./109.7mmX4.625in./117.5mm	22
D301 International 301 CID (4.9L)	3.813in./96.9mmX4.391in./111.5mm	19	Diesel Turbocharged		
Diesel			DT407 International 407 CID (6.7L)	4.321in./109.7mmX4.625in./117.5mm	42
D301 International 301 CID (4.9L)	3.813in./96.9mmX4.391in./111.5mm	19	Diesel Turbocharged		
D310 International 310 CID (5.1L)	3.875in./98.4mmX3.563in./90.5mm	40	DT414 International 414 CID (6.8L)	4.300in./109.2mmX4.750in./120.7mm	24
Diesel			Diesel Turbocharged		
D312 International 312 CID (5.1L)	3.875in./98.4mmX4.410in./112mm	20	DT414 International 414 CID (6.8L)	4.300in./109.2mmX4.750in./120.7mm	24
Diesel			Diesel Turbocharged		
D312 International 312 CID (5.1L)	3.875in./98.4mmX4.410in./112mm	20	DT414B International 414 CID (6.8L)	4.300in./109.2mmX4.750in./120.7mm	24
Diesel			Diesel Turbocharged		
D358 International 358 CID (5.9L)	3.875in./98.4mmX5.063in./128.6mm	40	DT429 International 429 CID (7.0L)	4.500in./114.3mmX4.500in./114.3mm	25
Diesel			Diesel Turbocharged		



INTERNATIONAL TRACTOR (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
DT429 International 429 CID (7.0L) Diesel Turbocharged	4.500in./114.3mmX4.500in./114.3mm	25	NH600 Cummins 743 CID (12.2L) Diesel	5.125in./130.2mmX6.000in./152.4mm	45
DT436 International 436 CID (7.1L) Diesel Turbocharged	4.300in./109.2mmX5.000in./127mm	24	RD372 International 372 CID (6.1L) RD372 International 372 CID (6.1L) LPG	4.375in./111.1mmX4.125in./104.8mm	23
DT436B International 436 CID (7.1L) Diesel Turbocharged	4.300in./109.2mmX5.000in./127mm	24	RD406 International 406 CID (6.7L) RD450 International 451 CID (7.4L)	4.375in./111.1mmX4.500in./114.3mm	23
DT466 International 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	24	RD501 International 501 CID (8.2L) SD264 International 264 CID (4.3L)	4.375in./111.1mmX5.000in./127mm	23
DT466 International 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	24	UDT407 International 407 CID (6.7L)	4.500in./114.3mmX5.250in./133.4mm	23
DT466B International 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	24		3.688in./93.7mmX4.125in./104.8mm	14
DT466C International 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	44		4.321in./109.7mmX4.625in./117.5mm	22
DT691 International 691 CID (11.3L) Diesel Turbocharged	4.750in./120.7mmX6.500in./165.1mm	27	8 CYL		
DT817 International 817 CID (13.4L) Diesel Turbocharged	5.375in./136.5mmX6.000in./152.4mm	28	DT573 International 573 CID (9.4L) Diesel Turbocharged	4.500in./114.3mmX4.500in./114.3mm	31
DT817 International 817 CID (13.4L) Diesel Turbocharged	5.375in./136.5mmX6.000in./152.4mm	28	DT573 International 573 CID (9.4L) Diesel Turbocharged	4.500in./114.3mmX4.500in./114.3mm	31
DTA466C International 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	44	DV800 International 798 CID (13.1L) Diesel	5.313in./135mmX4.500in./114.3mm	31
DTI466B International 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	24	DVT573 International 573 CID (9.4L) Diesel Turbocharged	4.500in./114.3mmX4.500in./114.3mm	31
DTI466C International 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	44	DVT573B International 573 CID (9.4L) Diesel Turbocharged	4.500in./114.3mmX4.500in./114.3mm	31
DTI817 International 817 CID (13.4L) Diesel Turbocharged	5.375in./136.5mmX6.000in./152.4mm	28	DVT573B International 573 CID (9.4L) Diesel Turbocharged	4.500in./114.3mmX4.500in./114.3mm	31
DTI817B International 817 CID (13.4L) Diesel Turbocharged	5.375in./136.5mmX6.000in./152.4mm	28	DVT800 International 798 CID (13.1L) Diesel Turbocharged	5.313in./135mmX4.500in./114.3mm	31
DTI817B International 817 CID (13.4L) Diesel Turbocharged	5.375in./136.5mmX6.000in./152.4mm	46	DVTI573B International 573 CID (9.4L) Diesel Turbocharged	4.500in./114.3mmX4.500in./114.3mm	31
DTI817C International 817 CID (13.4L) Diesel Turbocharged	5.375in./136.5mmX6.000in./152.4mm	28	V345 International 345 CID (5.6L) V401 International 401 CID (6.6L)	3.875in./98.4mmX3.656in./92.9mm	29
GRD233 International 233 CID (3.8L) HR600 Cummins 743 CID (12.2L) Diesel	3.312in./84.1mmX4.500in./114.3mm 6.125in./155.6mmX6.000in./152.4mm	39 45	V461 International 461 CID (7.6L) V549 International 549 CID (9.0L) V800 International 798 CID (13.1L) Diesel Turbocharged	4.125in./104.8mmX3.750in./95.3mm 4.125in./104.8mmX4.313in./109.6mm 4.500in./114.3mmX4.313in./109.6mm 5.313in./135mmX4.500in./114.3mm	30 30 30 31

MODEL DATA

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
22 Base Model	Combine	113 CID (1.9L) C113 International	2	62 Base Model	Baler	113 CID (1.9L) C113 International	2
50 Base Model	Harvester	263 CID (4.3L) C263 International	17	64 Base Model	Combine	60 CID (1.0L) C60 International	1
50AW Base Model	Baler	60 CID (1.0L) C60 International	1	76 Base Model	Combine	123 CID (2.0L) C123 International	2
50T Base Model	Baler	60 CID (1.0L) C60 International	1	91 Base Model	Combine	135 CID (2.2L) C135 International	3
51 H	Combine	233 CID (3.8L) GRD233 International	39	93 Base Model	Combine	153 CID (2.5L) C153 International	34
52 R	Combine	60 CID (1.0L) C60 International	1	93 Base Model	Combine	154 CID (2.5L) BD154 International Diesel	33
55T Base Model	Baler	60 CID (1.0L) C60 International	1	95 Base Model	Combine	153 CID (2.5L) C153 International	34
55T Base Model	Baler	113 CID (1.9L) C113 International	2	95 Base Model	Cotton Picker	310 CID (5.1L) D310 International Diesel	40
55T Base Model	Baler	123 CID (2.0L) C123 International	2	100 Base Model	Wheel Tractor	123 CID (2.0L) C123 International	2
55W Base Model	Baler	60 CID (1.0L) C60 International	1	100E Base Model	Loader	239 CID (3.9L) DT239 International Diesel	37
55W Base Model	Baler	113 CID (1.9L) C113 International	2	101 HTR	Combine	220 CID (3.6L) BD220 International	38
55W Base Model	Baler	123 CID (2.0L) C123 International	2	101 Base Model	Combine	236 CID (3.9L) D236 International Diesel	19
56 W	Baler	123 CID (2.0L) C123 International	2	105 Base Model	Combine	153 CID (2.5L) C153 International	34
57 W	Baler	123 CID (2.0L) C123 International	2	105 Base Model	Combine	206 CID (3.4L) D206 International	37



INTERNATIONAL TRACTOR (Cont.)							
MODEL DATA (Cont.)							
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
122 HT	Combine	153 CID (2.5L) C153 International	34	240 Base Model	Wheel Tractor	179 CID (2.9L) D179 International Diesel	32
122 C	Combine	233 CID (3.8L) GRD233 International	39	250 AHS	Wheel Tractor	239 CID (3.9L) D239 International Diesel	37
123SP Base Model	Combine	233 CID (3.8L) GRD233 International	39	250 Base Model	Loader	429 CID (7.0L) DT429 International Diesel	25
125E Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	37	250 C	Loader	573 CID (9.4L) DVTI573B International Diesel	31
130 Base Model	Wheel Tractor	123 CID (2.0L) C123 International	2	260 Base Model	Wheel Tractor	239 CID (3.9L) D239 International Diesel	37
140 Hi-Clear	Wheel Tractor	123 CID (2.0L) C123 International	2	270 Base Model	Scraper	573 CID (9.4L) DVT573B International Diesel	31
140 Base Model	Combine	164 CID (2.7L) C164 International	5	275 Base Model	Combine	153 CID (2.5L) C153 International	34
140 Base Model	Combine	169 CID (2.8L) C169 International	7	275 Base Model	Windrower	206 CID (3.4L) D206 International	37
140 Base Model	Combine	175 CID (2.9L) C175 (Late) International	8	295 Base Model	Scraper	817 CID (13.4L) DT817 International Diesel	28
141 R	Combine	240 CID (3.9L) BD240 International	38	295B Base Model	Scraper	817 CID (13.4L) DTI817B International Diesel	46
151 HTR	Combine	264 CID (4.3L) BD264 International	38	300 Base Model	Wheel Tractor	169 CID (2.8L) C169 International	7
151 HTR	Combine	282 CID (4.6L) D282 International Diesel	19	300HC Base Model	Wheel Tractor	169 CID (2.8L) C169 International	7
160 Base Model	Combine	233 CID (3.8L) GRD233 International	39	300U Base Model	Wheel Tractor	169 CID (2.8L) C169 International	7
161 Base Model	Windrower	123 CID (2.0L) C123 International	2	303 R	Combine	220 CID (3.6L) BD220 International	38
163 Base Model	Windrower	123 CID (2.0L) C123 International	2	303 R	Combine	221 CID (3.6L) C221 International	17
165 Base Model	Loader	310 CID (5.1L) D310 International Diesel	40	315 Base Model	Combine	221 CID (3.6L) C221 International	17
175 Base Model	Wheel Tractor	361 CID (5.9L) DT361 International Diesel	41	315 Base Model	Combine	236 CID (3.9L) D236 International Diesel	19
181 Base Model	Combine	264 CID (4.3L) BD264 International	38	330 Base Model	Wheel Tractor	135 CID (2.2L) C135 International	3
181 Base Model	Combine	282 CID (4.6L) D282 International Diesel	19	330 Base Model	Hauler	817 CID (13.4L) DTI817B International Diesel	46
184 Base Model	Wheel Tractor	60 CID (1.0L) C60 International	1	340 Base Model	Wheel Tractor	135 CID (2.2L) C135 International	3
200 Base Model	Wheel Tractor	123 CID (2.0L) C123 International	2	340 D	Wheel Tractor	166 CID (2.7L) D166 International Diesel	36
200 Base Model	Wheel Tractor	461 CID (7.6L) D461 International Diesel	13	340D Base Model	Wheel Tractor	166 CID (2.7L) D166 International Diesel	36
200 Base Model	Wheel Tractor	691 CID (11.3L) D691 International Diesel	27	350 Base Model	Wheel Tractor	175 CID (2.9L) C175 (Early) International	7
201 Base Model	Combine	135 CID (2.2L) C135 International	3	350U Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International	8
201 Base Model	Windrower	144 CID (2.4L) BD144 International Diesel	33	354 Base Model	Wheel Tractor	144 CID (2.4L) BD144 International Diesel	33
203 Base Model	Combine	153 CID (2.5L) C153 International	34	364 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	33
205 Base Model	Combine	221 CID (3.6L) C221 International	17	375 Base Model	Windrower	153 CID (2.5L) C153 International	34
210 Base Model	Windrower	153 CID (2.5L) C153 International	34	375 Base Model	Windrower	175 CID (2.9L) C175 (Late) International	8
214 A	Cotton Picker	240 CID (3.9L) BD240 International	38	375 Base Model	Windrower	206 CID (3.4L) D206 International	37
214 A	Cotton Picker	282 CID (4.6L) D282 International Diesel	19	384 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	33
220 A	Cotton Picker	240 CID (3.9L) BD240 International	38	400 D	Wheel Tractor	264 CID (4.3L) D264 International Diesel	10
220 A	Cotton Picker	282 CID (4.6L) D282 International Diesel	19	403 R	Combine	263 CID (4.3L) C263 International	17
225 Base Model	Windrower	153 CID (2.5L) C153 International	34	403 H	Combine	282 CID (4.6L) D282 International Diesel	19
230 Base Model	Wheel Tractor	123 CID (2.0L) C123 International	2	403 H	Combine	301 CID (4.9L) D301 International Diesel	19
230 Base Model	Windrower	153 CID (2.5L) C153 International	34	404 Farmall / International Base Model	Wheel Tractor	135 CID (2.2L) C135 International	3
240 Base Model	Wheel Tractor	123 CID (2.0L) C123 International	2	414 Base Model	Cotton Picker	263 CID (4.3L) C263 International	17



INTERNATIONAL TRACTOR (Cont.)
MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
414 Base Model	Cotton Picker	264 CID (4.3L) BD264 International	38	484 Base Model	Wheel Tractor	155 CID (2.5L) D155 International Diesel	32
414 Base Model	Cotton Picker	282 CID (4.6L) D282 International Diesel	19	484 Base Model	Wheel Tractor	179 CID (2.9L) D179 International Diesel	32
416 Base Model	Cotton Picker	263 CID (4.3L) C263 International	17	500 Base Model	Crawler	146 CID (2.4L) C146 International	34
416 Base Model	Cotton Picker	282 CID (4.6L) D282 International Diesel	19	500 Base Model	Loader	154 CID (2.5L) BD154 International Diesel	33
420 Base Model	Cotton Picker	263 CID (4.3L) C263 International	17	503 Base Model	Combine	282 CID (4.6L) D282 International Diesel	19
420 Base Model	Cotton Picker	264 CID (4.3L) BD264 International	38	503 R	Combine	301 CID (4.9L) D301 International Diesel	19
420 Base Model	Cotton Picker	282 CID (4.6L) D282 International Diesel	19	504 Base Model	Wheel Tractor	153 CID (2.5L) C153 International	34
422 Base Model	Cotton Picker	263 CID (4.3L) C263 International	17	504D Base Model	Wheel Tractor	188 CID (3.1L) D188 International Diesel	36
422 Base Model	Cotton Picker	282 CID (4.6L) D282 International Diesel	19	515 Base Model	Loader	358 CID (5.9L) D358 International Diesel	40
424 Base Model	Wheel Tractor	146 CID (2.4L) C146 International	34	515 Base Model	Loader	360 CID (5.9L) D360 International Diesel	20
424 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	33	544 Base Model	Wheel Tractor	200 CID (3.3L) C200 International	8
431 Base Model	Scraper	573 CID (9.4L) DVT573 International Diesel	31	544 Farmall	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	37
433 Base Model	Scraper	573 CID (9.4L) DVT573 International Diesel	31	560 Base Model	Wheel Tractor	263 CID (4.3L) C263 International	17
442 Base Model	Scraper	466 CID (7.6L) DT466 International Diesel	24	560 Base Model	Loader	817 CID (13.4L) DT1817C International Diesel	28
442 Base Model	Scraper	573 CID (9.4L) DVT573 International Diesel	31	560D Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	19
444 Base Model	Wheel Tractor	153 CID (2.5L) C153 International	34	560DHC Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	19
444 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	33	560HC Base Model	Wheel Tractor	263 CID (4.3L) C263 International	17
444 Base Model	Scraper	573 CID (9.4L) DVT573 International Diesel	31	574 Base Model	Wheel Tractor	200 CID (3.3L) C200 International	8
450 Base Model	Wheel Tractor	281 CID (4.6L) C281 International	11	574 Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	37
450D Base Model	Wheel Tractor	281 CID (4.6L) D281 International Diesel	10	584 Base Model	Wheel Tractor	206 CID (3.4L) D206 International	37
453 H	Combine	301 CID (4.9L) D301 International Diesel	19	600D Base Model	Wheel Tractor	350 CID (5.7L) D350 International Diesel	12
453 H	Combine	360 CID (5.9L) D360 International Diesel	20	606 Base Model	Wheel Tractor	221 CID (3.6L) C221 International	17
454 Base Model	Wheel Tractor	155 CID (2.5L) D155 International Diesel	32	606D Base Model	Wheel Tractor	236 CID (3.9L) D236 International Diesel	19
454 Base Model	Wheel Tractor	157 CID (2.6L) C157 International	35	615 Base Model	Combine	263 CID (4.3L) C263 International	17
454 Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International	8	615 Base Model	Combine	282 CID (4.6L) D282 International Diesel	19
454 Base Model	Wheel Tractor	179 CID (2.9L) D179 International Diesel	32	616 Base Model	Cotton Picker	291 CID (4.8L) C291 International	19
460 Base Model	Wheel Tractor	221 CID (3.6L) C221 International	17	616 Hydro	Cotton Picker	301 CID (4.9L) C301 International	17
460D Base Model	Wheel Tractor	236 CID (3.9L) D236 International Diesel	19	616 Base Model	Cotton Picker	310 CID (5.1L) D310 International Diesel	40
460DHC Base Model	Wheel Tractor	236 CID (3.9L) D236 International Diesel	19	622 Base Model	Cotton Picker	291 CID (4.8L) C291 International	19
460HC Base Model	Wheel Tractor	221 CID (3.6L) C221 International	17	622 Hydro	Cotton Picker	301 CID (4.9L) C301 International	17
460HU Base Model	Wheel Tractor	221 CID (3.6L) C221 International	17	622 Base Model	Cotton Picker	310 CID (5.1L) D310 International Diesel	40
460U Base Model	Wheel Tractor	221 CID (3.6L) C221 International	17	624 Base Model	Wheel Tractor	206 CID (3.4L) D206 International	37
460UD Base Model	Wheel Tractor	236 CID (3.9L) D236 International Diesel	19	633 Base Model	Wheel Tractor	155 CID (2.5L) D155 International Diesel	32
464 Base Model	Wheel Tractor	155 CID (2.5L) D155 International Diesel	32	633 Base Model	Wheel Tractor	179 CID (2.9L) D179 International Diesel	32
464 Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International	8	640 Base Model	Loader	358 CID (5.9L) D358 International Diesel	40
464 Base Model	Wheel Tractor	179 CID (2.9L) D179 International Diesel	32	650D Base Model	Wheel Tractor	350 CID (5.7L) D350 International Diesel	12



INTERNATIONAL TRACTOR (Cont.)
MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
656 Base Model	Wheel Tractor	263 CID (4.3L) C263 International	17	826 Base Model	Wheel Tractor	358 CID (5.9L) D358 International Diesel	40
656D Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	19	856 Base Model	Wheel Tractor	301 CID (4.9L) C301 International	17
660 Base Model	Wheel Tractor	146 CID (2.4L) C146 International	34	856 Farmall	Wheel Tractor	407 CID (6.7L) DT407 International Diesel	42
660 Base Model	Wheel Tractor	263 CID (4.3L) C263 International	17	880 Hi-Clear	Wheel Tractor	146 CID (2.4L) C146 International	34
660D Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	19	886 Base Model	Wheel Tractor	358 CID (5.9L) D358 International Diesel	40
664 Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	37	886 Base Model	Wheel Tractor	360 CID (5.9L) D360 International Diesel	20
666 Farmall	Wheel Tractor	291 CID (4.8L) C291 International	19	915 Base Model	Combine	407 CID (6.7L) UDT407 International	22
666 Base Model	Wheel Tractor	312 CID (5.1L) D312 International Diesel	20	915 Base Model	Combine	414 CID (6.8L) DT414 International Diesel	24
674 Base Model	Wheel Tractor	200 CID (3.3L) C200 International	8	966 Base Model	Wheel Tractor	414 CID (6.8L) D414 International Diesel	43
674 Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	37	986 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	24
684 Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	37	1026D Farmall / International Base Model	Wheel Tractor	407 CID (6.7L) UDT407 International	22
686 Farmall	Wheel Tractor	291 CID (4.8L) C291 International	19	1066 Base Model	Wheel Tractor	414 CID (6.8L) DT414 International Diesel	24
686 Base Model	Wheel Tractor	312 CID (5.1L) D312 International Diesel	20	1086 Base Model	Wheel Tractor	414 CID (6.8L) DT414B International Diesel	24
706 Farmall	Wheel Tractor	263 CID (4.3L) C263 International	17	1206D Base Model	Wheel Tractor	361 CID (5.9L) DT361 International Diesel	41
706 Farmall	Wheel Tractor	291 CID (4.8L) C291 International	19	1256 Farmall / International Base Model	Wheel Tractor	407 CID (6.7L) UDT407 International	22
706 Base Model	Wheel Tractor	310 CID (5.1L) D310 International Diesel	40	1300 Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International	8
706D Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	19	1350 Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International	8
715 Base Model	Combine	301 CID (4.9L) D301 International Diesel	19	1400 Base Model	Cotton Picker	358 CID (5.9L) D358 International Diesel	40
715 Base Model	Combine	310 CID (5.1L) D310 International Diesel	40	1420 Base Model	Combine	358 CID (5.9L) D358 International Diesel	40
724 Base Model	Wheel Tractor	206 CID (3.4L) D206 International	37	1440 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	24
756 Farmall	Wheel Tractor	291 CID (4.8L) C291 International	19	1456 Base Model	Wheel Tractor	407 CID (6.7L) UDT407 International	22
756 Base Model	Wheel Tractor	310 CID (5.1L) D310 International Diesel	40	1460 Base Model	Combine	436 CID (7.1L) DT436B International Diesel	24
766 Base Model	Wheel Tractor	291 CID (4.8L) C291 International	19	1466 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	24
766 Base Model	Wheel Tractor	360 CID (5.9L) D360 International Diesel	20	1470 Base Model	Combine	466 CID (7.6L) DT466C International Diesel	44
770 Hi-Clear	Wheel Tractor	146 CID (2.4L) C146 International	34	1480 Base Model	Combine	436 CID (7.1L) DT436B International Diesel	24
780 Hi-Clear	Wheel Tractor	146 CID (2.4L) C146 International	34	1480 Base Model	Combine	466 CID (7.6L) DT466C International Diesel	44
782 Base Model	Cotton Picker	310 CID (5.1L) D310 International Diesel	40	1486 Base Model	Wheel Tractor	436 CID (7.1L) DT436B International Diesel	24
782 Base Model	Cotton Picker	358 CID (5.9L) D358 International Diesel	40	1566 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	24
786 Base Model	Wheel Tractor	358 CID (5.9L) D358 International Diesel	40	1586 Base Model	Wheel Tractor	436 CID (7.1L) DT436B International Diesel	24
806 Base Model	Wheel Tractor	291 CID (4.8L) C291 International	19	2400 B	Loader	157 CID (2.6L) C157 International	35
806 Base Model	Wheel Tractor	301 CID (4.9L) C301 International	17	2400 B	Loader	175 CID (2.9L) C175 (Late) International	8
806 D	Wheel Tractor	361 CID (5.9L) D361 International Diesel	41	2400 Base Model	Wheel Tractor	179 CID (2.9L) D179 International Diesel	32
815 Base Model	Combine	407 CID (6.7L) DT407 International Diesel	42	2400 A/B Hydro Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International	8
815 Base Model	Combine	414 CID (6.8L) D414 International Diesel	43	2400 A/B Lo-Boy Base Model	Wheel Tractor	157 CID (2.6L) C157 International	35
824 Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	37	2404 Base Model	Wheel Tractor	135 CID (2.2L) C135 International	3
826 Farmall	Wheel Tractor	301 CID (4.9L) C301 International	17	2405 B	Wheel Tractor	157 CID (2.6L) C157 International	35



INTERNATIONAL TRACTOR (Cont.)
MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
2405 B	Wheel Tractor	175 CID (2.9L) C175 (Late) International	8	2706 Base Model	Wheel Tractor	310 CID (5.1L) D310 International Diesel	40
2405 B	Wheel Tractor	200 CID (3.3L) C200 International	8	2706D Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	19
2410B Base Model	Wheel Tractor	157 CID (2.6L) C157 International	35	2756 Base Model	Wheel Tractor	291 CID (4.8L) C291 International	19
2410B Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International	8	2756 Base Model	Wheel Tractor	310 CID (5.1L) D310 International Diesel	40
2410B Base Model	Wheel Tractor	179 CID (2.9L) D179 International Diesel	32	2806 Base Model	Wheel Tractor	291 CID (4.8L) C291 International	19
2412B Base Model	Wheel Tractor	157 CID (2.6L) C157 International	35	2806 Base Model	Wheel Tractor	301 CID (4.9L) C301 International	17
2412B Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International	8	2806 Base Model	Wheel Tractor	361 CID (5.9L) D361 International Diesel	41
2412B Base Model	Wheel Tractor	179 CID (2.9L) D179 International Diesel	32	2826 Base Model	Wheel Tractor	301 CID (4.9L) C301 International	17
2424 Lo-Boy Base Model	Wheel Tractor	146 CID (2.4L) C146 International	34	2826 Base Model	Wheel Tractor	358 CID (5.9L) D358 International Diesel	40
2424D Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	33	2856 Base Model	Wheel Tractor	301 CID (4.9L) C301 International	17
2444 Lo-Boy Base Model	Wheel Tractor	153 CID (2.5L) C153 International	34	2856 Base Model	Wheel Tractor	407 CID (6.7L) DT407 International Diesel	42
2444D Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	33	3088 Base Model	Wheel Tractor	358 CID (5.9L) D358 International Diesel	40
2500 A/B Hydro Base Model	Wheel Tractor	200 CID (3.3L) C200 International	8	3288 Base Model	Wheel Tractor	358 CID (5.9L) D358 International Diesel	40
2500 A/B Hydro Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	37	3388 Base Model	Wheel Tractor	436 CID (7.1L) DT436B International Diesel	24
2500 A/B Lo-Boy Base Model	Wheel Tractor	153 CID (2.5L) C153 International	34	3400 A	Loader	175 CID (2.9L) C175 (Late) International	8
2500 A/B Lo-Boy Base Model	Wheel Tractor	200 CID (3.3L) C200 International	8	3400 Base Model	Wheel Tractor	179 CID (2.9L) D179 International Diesel	32
2500 A/B Lo-Boy Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	37	3414 Base Model	Loader	144 CID (2.4L) BC144 International Diesel	33
2500B B	Loader	200 CID (3.3L) C200 International	8	3414 Base Model	Loader	154 CID (2.5L) BD154 International Diesel	33
2500B Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	37	3444 Base Model	Loader	144 CID (2.4L) BC144 International Diesel	33
2504 Base Model	Wheel Tractor	153 CID (2.5L) C153 International	34	3444 Base Model	Loader	154 CID (2.5L) BD154 International Diesel	33
2504D Base Model	Wheel Tractor	188 CID (3.1L) D188 International Diesel	36	3488 Hydro Base Model	Wheel Tractor	466 CID (7.6L) DT466 International Diesel	24
2510 Base Model	Wheel Tractor	239 CID (3.9L) D239 International Diesel	37	3500 Base Model	Wheel Tractor	200 CID (3.3L) C200 International	8
2510B Base Model	Wheel Tractor	200 CID (3.3L) C200 International	8	3500 Base Model	Wheel Tractor	239 CID (3.9L) D239 International Diesel	37
2510B Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	37	3500A Base Model	Wheel Tractor	200 CID (3.3L) C200 International	8
2514B Base Model	Wheel Tractor	200 CID (3.3L) C200 International	8	3500A Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	37
2514B Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	37	3514 Base Model	Wheel Tractor	153 CID (2.5L) C153 International	34
2544 Base Model	Wheel Tractor	200 CID (3.3L) C200 International	8	3514 Base Model	Loader	175 CID (2.9L) C175 (Late) International	8
2544 Base Model	Wheel Tractor	239 CID (3.9L) DT239 International Diesel	37	3514 Base Model	Loader	188 CID (3.1L) D188 International Diesel	36
2544 Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	19	3514 Base Model	Loader	239 CID (3.9L) DT239 International Diesel	37
2606 Base Model	Wheel Tractor	221 CID (3.6L) C221 International	17	3514D Base Model	Wheel Tractor	188 CID (3.1L) D188 International Diesel	36
2606 Base Model	Wheel Tractor	301 CID (4.9L) C301 International	17	3514D Base Model	Wheel Tractor	236 CID (3.9L) D236 International Diesel	19
2606D Base Model	Wheel Tractor	236 CID (3.9L) D236 International Diesel	19	3588 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	24
2656 Base Model	Wheel Tractor	263 CID (4.3L) C263 International	17	3588 Base Model	Wheel Tractor	466 CID (7.6L) DT466B International Diesel	24
2656D Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	19	3600A Base Model	Wheel Tractor	263 CID (4.3L) C263 International	17
2706 Base Model	Wheel Tractor	263 CID (4.3L) C263 International	17	3600A Base Model	Loader	282 CID (4.6L) D282 International Diesel	19
2706 Base Model	Wheel Tractor	291 CID (4.8L) C291 International	19	3600D Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	19



INTERNATIONAL TRACTOR (Cont.)
MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
3616 Base Model	Loader	221 CID (3.6L) C221 International	17	7288 Base Model	Wheel Tractor	466 CID (7.6L) DTI466C International Diesel	44
3616 Base Model	Loader	236 CID (3.9L) D236 International Diesel	19	7388 Base Model	Wheel Tractor	466 CID (7.6L) DT466 International Diesel	24
3616D Base Model	Wheel Tractor	236 CID (3.9L) D236 International Diesel	19	7488 Base Model	Wheel Tractor	466 CID (7.6L) DTI466C International Diesel	44
3688 Base Model	Wheel Tractor	436 CID (7.1L) DT436B International Diesel	24	8000 Base Model	Fork Lift	200 CID (3.3L) C200 International	8
3788 Base Model	Wheel Tractor	466 CID (7.6L) DT466B International Diesel	24	9000 Base Model	Fork Lift	291 CID (4.8L) C291 International	19
3800 Base Model	Wheel Tractor	263 CID (4.3L) C263 International	17	9000 Base Model	Fork Lift	301 CID (4.9L) C301 International	17
3800 Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	19	9000 Base Model	Fork Lift	310 CID (5.1L) D310 International Diesel	40
3800D Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	19	21026 Base Model	Wheel Tractor	361 CID (5.9L) D361 International Diesel	41
3820 Base Model	Wheel Tractor	310 CID (5.1L) D310 International Diesel	40	21026 Base Model	Wheel Tractor	407 CID (6.7L) DT407 International Diesel	42
3850 Base Model	Wheel Tractor	263 CID (4.3L) C263 International	17	21206 Base Model	Wheel Tractor	361 CID (5.9L) DT361 International Diesel	41
3850 Base Model	Loader	282 CID (4.6L) D282 International Diesel	19	21256 Base Model	Wheel Tractor	407 CID (6.7L) DT407 International Diesel	42
3850D Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	19	21456 Base Model	Wheel Tractor	407 CID (6.7L) UDT407 International	22
3964B Base Model	Loader	358 CID (5.9L) D358 International Diesel	40	Base Model	Engine	281 CID (4.6L) D281 International Diesel	10
3965B Base Model	Loader	358 CID (5.9L) D358 International Diesel	40	Base Model	Engine	155 CID (2.5L) D155 International Diesel	32
3966B Base Model	Loader	358 CID (5.9L) D358 International Diesel	40	Base Model	Engine	301 CID (4.9L) DT301 International Diesel	19
3984 Base Model	Loader	358 CID (5.9L) D358 International Diesel	40	Base Model	Engine	358 CID (5.9L) DT358 International Diesel	40
4000 Base Model	Fork Lift	153 CID (2.5L) C153 International	34	Base Model	Engine	466 CID (7.6L) DTI466C International Diesel	44
4100 Base Model	Wheel Tractor	429 CID (7.0L) DT429 International Diesel	25	Base Model	Engine	691 CID (11.3L) DT691 International Diesel	27
4100 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	24	Base Model	Engine	743 CID (12.2L) NH600 Cummins Diesel	45
4156 Base Model	Wheel Tractor	429 CID (7.0L) DT429 International Diesel	25	Base Model	Engine	798 CID (13.1L) V800 International Diesel	31
4156 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	24	A Base Model	Wheel Tractor	113 CID (1.9L) C113 International	2
4166 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	24	AI Base Model	Wheel Tractor	113 CID (1.9L) C113 International	2
4186 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	24	AL Base Model	Wheel Tractor	113 CID (1.9L) C113 International	2
4366 Base Model	Wheel Tractor	466 CID (7.6L) DT466 International Diesel	24	AV Base Model	Wheel Tractor	113 CID (1.9L) C113 International	2
4386 Base Model	Wheel Tractor	466 CID (7.6L) DTI466B International Diesel	24	B238 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	33
4500 B	Fork Lift	157 CID (2.6L) C157 International	35	B275 Base Model	Wheel Tractor	144 CID (2.4L) BD144 International Diesel	33
5000 Base Model	Windrower	239 CID (3.9L) DT239 International Diesel	37	B275 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	33
5088 Base Model	Wheel Tractor	436 CID (7.1L) DT436B International Diesel	24	B354 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	33
5288 Base Model	Wheel Tractor	466 CID (7.6L) DT466B International Diesel	24	B364 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	33
5488 Base Model	Wheel Tractor	466 CID (7.6L) DTI466B International Diesel	24	B384 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	33
5500 Base Model	Windrower	239 CID (3.9L) DT239 International Diesel	37	B414 Base Model	Wheel Tractor	144 CID (2.4L) BC144 International Diesel	33
6388 Base Model	Wheel Tractor	436 CID (7.1L) DT436B International Diesel	24	B414 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	33
6588 Base Model	Wheel Tractor	466 CID (7.6L) DT466B International Diesel	24	B424 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	33
6788 Base Model	Wheel Tractor	466 CID (7.6L) DT466B International Diesel	24	B434 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	33
7000 Base Model	Fork Lift	144 CID (2.4L) BC144 International Diesel	33	B444 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	33
7000 Base Model	Fork Lift	154 CID (2.5L) BD154 International Diesel	33	B450 Base Model	Wheel Tractor	264 CID (4.3L) BD264 International	38



INTERNATIONAL TRACTOR (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
B500 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	33	F560D Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	19
B2424 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	33	H25 B	Loader	188 CID (3.1L) D188 International Diesel	36
B2444 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	33	H30A Base Model	Loader	236 CID (3.9L) D236 International Diesel	19
B3414 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	33	H30B Base Model	Loader	236 CID (3.9L) D236 International Diesel	19
B3444 Base Model	Wheel Tractor	154 CID (2.5L) BD154 International Diesel	33	H30B Base Model	Loader	263 CID (4.3L) C263 International	17
B Base Model	Wheel Tractor	113 CID (1.9L) C113 International	2	H30F Base Model	Loader	153 CID (2.5L) C153 International	34
BN Base Model	Wheel Tractor	113 CID (1.9L) C113 International	2	H30F Base Model	Loader	236 CID (3.9L) D236 International Diesel	19
C175 Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International	8	H30R Base Model	Loader	153 CID (2.5L) C153 International	34
C264A Base Model	Power Unit	264 CID (4.3L) SD264 International	14	H30R Base Model	Loader	236 CID (3.9L) D236 International Diesel	19
C Base Model	Wheel Tractor	113 CID (1.9L) C113 International	2	H50A Base Model	Loader	282 CID (4.6L) D282 International Diesel	19
Cub 154 Base Model	Wheel Tractor	60 CID (1.0L) C60 International	1	H50A Base Model	Loader	301 CID (4.9L) C301 International	17
Cub 185 Lo-Boy Base Model	Wheel Tractor	60 CID (1.0L) C60 International	1	H50B Base Model	Loader	282 CID (4.6L) D282 International Diesel	19
Cub Base Model	Wheel Tractor	60 CID (1.0L) C60 International	1	H50B Base Model	Loader	301 CID (4.9L) C301 International	17
Cub Lo-Boy Base Model	Wheel Tractor	60 CID (1.0L) C60 International	1	H50C Base Model	Loader	282 CID (4.6L) D282 International Diesel	19
D120 C	Dozer	817 CID (13.4L) DT1817B International Diesel	46	H60B Base Model	Loader	301 CID (4.9L) D301 International Diesel	19
DU132 Base Model	Power Unit	123 CID (2.0L) C123 International	2	H60B Base Model	Loader	361 CID (5.9L) DT361 International Diesel	41
DU132D Base Model	Power Unit	123 CID (2.0L) C123 International	2	H65C Base Model	Loader	361 CID (5.9L) DT361 International Diesel	41
E200 Base Model	Scraper	361 CID (5.9L) DT361 International Diesel	41	H65C Base Model	Loader	407 CID (6.7L) DT407 International Diesel	42
E200 Base Model	Scraper	407 CID (6.7L) DT407 International Diesel	42	H65C Base Model	Loader	414 CID (6.8L) DT414 International Diesel	24
E200 Base Model	Scraper	414 CID (6.8L) DT414 International Diesel	24	H70F Base Model	Loader	429 CID (7.0L) DT429 International Diesel	25
E211 Base Model	Scraper	407 CID (6.7L) DT407 International Diesel	42	H80B Base Model	Loader	466 CID (7.6L) DT466 International Diesel	24
E270 Base Model	Scraper	573 CID (9.4L) DVT1573B International Diesel	31	H90C Base Model	Loader	573 CID (9.4L) DVT1573B International Diesel	31
E295 Base Model	Scraper	817 CID (13.4L) DT1817B International Diesel	46	H90E Base Model	Loader	573 CID (9.4L) DVT1573B International Diesel	31
E412 Base Model	Scraper	466 CID (7.6L) DT466 International Diesel	24	H100C Base Model	Loader	817 CID (13.4L) DT1817B International Diesel	46
E433 Base Model	Scraper	436 CID (7.1L) DT436 International Diesel	24	H120C Base Model	Loader	817 CID (13.4L) DT1817B International Diesel	46
E433 Base Model	Scraper	466 CID (7.6L) DT466 International Diesel	24	H560 Base Model	Loader	817 CID (13.4L) DT1817B International Diesel	46
F12 Base Model	Wheel Tractor	113 CID (1.9L) C113 International	2	H Base Model	Wheel Tractor	152 CID (2.5L) C152 International	4
F14 Base Model	Wheel Tractor	113 CID (1.9L) C113 International	2	HV Base Model	Wheel Tractor	152 CID (2.5L) C152 International	4
F300 Base Model	Wheel Tractor	169 CID (2.8L) C169 International	7	Hydro 70 Base Model	Wheel Tractor	291 CID (4.8L) C291 International	19
F350 Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International	8	Hydro 70 Base Model	Wheel Tractor	312 CID (5.1L) D312 International Diesel	20
F350HS Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International	8	Hydro 86 Base Model	Wheel Tractor	291 CID (4.8L) C291 International	19
F450 DHC	Wheel Tractor	281 CID (4.6L) D281 International Diesel	10	Hydro 86 Base Model	Wheel Tractor	310 CID (5.1L) D310 International Diesel	40
F460 Base Model	Wheel Tractor	221 CID (3.6L) C221 International	17	Hydro 86 Base Model	Wheel Tractor	312 CID (5.1L) D312 International Diesel	20
F460D Base Model	Wheel Tractor	236 CID (3.9L) D236 International Diesel	19	Hydro 100 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	24
F560 Base Model	Wheel Tractor	263 CID (4.3L) C263 International	17	Hydro 186 Base Model	Wheel Tractor	436 CID (7.1L) DT436 International Diesel	24
F560 Base Model	Wheel Tractor	282 CID (4.6L) D282 International Diesel	19	I12 Base Model	Wheel Tractor	113 CID (1.9L) C113 International	2



INTERNATIONAL TRACTOR (Cont.)							
MODEL DATA (Cont.)							
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
I14 Base Model	Wheel Tractor	113 CID (1.9L) C113 International	2	OS4 Base Model	Wheel Tractor	152 CID (2.5L) C152 International	4
I300 Base Model	Wheel Tractor	175 CID (2.9L) C175 (Early) International	7	OS6 Base Model	Wheel Tractor	248 CID (4.1L) C248 International	9
I350 Base Model	Wheel Tractor	175 CID (2.9L) C175 (Early) International	7	OS6 Base Model	Wheel Tractor	264 CID (4.3L) C264 International	11
I544 RC	Wheel Tractor	200 CID (3.3L) C200 International	8	P12 Base Model	Power Unit	113 CID (1.9L) C113 International	2
I656 Base Model	Wheel Tractor	236 CID (3.9L) D236 International Diesel	19	PA100 Base Model	Power Unit	461 CID (7.6L) D461 International Diesel	13
I656 RC	Wheel Tractor	282 CID (4.6L) C282 International	19	PB100B Base Model	Hauler	817 CID (13.4L) DT1817B International Diesel	46
I-4 Base Model	Wheel Tractor	152 CID (2.5L) C152 International	4	PD40 Base Model	Power Unit	461 CID (7.6L) D461 International Diesel	13
I-6 Base Model	Wheel Tractor	248 CID (4.1L) C248 International	9	PD80 Base Model	Power Unit	691 CID (11.3L) D691 International Diesel	27
I-6 Base Model	Wheel Tractor	264 CID (4.3L) C264 International	11	PH65C Base Model	Loader	573 CID (9.4L) DVT1573B International Diesel	31
I-9 Base Model	Wheel Tractor	60 CID (1.0L) C60 International	1	PH95 Base Model	Hauler	817 CID (13.4L) DT817 International Diesel	28
ID6 Base Model	Wheel Tractor	248 CID (4.1L) D248 International Diesel	10	PH100 Base Model	Hauler	817 CID (13.4L) DT817 International Diesel	28
ID9 Base Model	Wheel Tractor	335 CID (5.5L) D335 International Diesel	12	PH140 Base Model	Hauler	817 CID (13.4L) DT1817B International Diesel	46
IU4 Base Model	Power Unit	152 CID (2.5L) C152 International	4	PK40 Base Model	Power Unit	360 CID (5.9L) D360 International Diesel	20
IU6 Base Model	Power Unit	248 CID (4.1L) C248 International	9	PK50 Base Model	Power Unit	360 CID (5.9L) D360 International Diesel	20
IUD6 Base Model	Power Unit	248 CID (4.1L) C248 International	9	S11 A	Logger	407 CID (6.7L) DT407 International Diesel	42
IUD6 Base Model	Power Unit	264 CID (4.3L) D264 International Diesel	10	Super 4 Base Model	Wheel Tractor	164 CID (2.7L) C164 International	5
International Base Model	Wheel Tractor	60 CID (1.0L) C60 International	1	Super A Base Model	Wheel Tractor	113 CID (1.9L) C113 International	2
L150 Base Model	Loader	282 CID (4.6L) DT282 International Diesel	19	Super A Base Model	Wheel Tractor	123 CID (2.0L) C123 International	2
L175 Base Model	Loader	361 CID (5.9L) DT361 International Diesel	41	Super AI Base Model	Wheel Tractor	113 CID (1.9L) C113 International	2
L175B Base Model	Loader	361 CID (5.9L) DT361 International Diesel	41	Super AI Base Model	Wheel Tractor	123 CID (2.0L) C123 International	2
L175B Base Model	Loader	407 CID (6.7L) DT407 International Diesel	42	Super AV Base Model	Wheel Tractor	113 CID (1.9L) C113 International	2
L175C Base Model	Loader	466 CID (7.6L) DT466 International Diesel	24	Super AV Base Model	Wheel Tractor	123 CID (2.0L) C123 International	2
Lo-Boy 154 Base Model	Wheel Tractor	60 CID (1.0L) C60 International	1	Super AVI Base Model	Wheel Tractor	113 CID (1.9L) C113 International	2
Lo-Boy 185 Base Model	Wheel Tractor	60 CID (1.0L) C60 International	1	Super AVI Base Model	Wheel Tractor	123 CID (2.0L) C123 International	2
Lo-Boy 404 Base Model	Wheel Tractor	135 CID (2.2L) C135 International	3	Super C Base Model	Wheel Tractor	123 CID (2.0L) C123 International	2
M Base Model	Wheel Tractor	248 CID (4.1L) C248 International	9	Super H Base Model	Wheel Tractor	164 CID (2.7L) C164 International	5
MD Base Model	Wheel Tractor	248 CID (4.1L) D248 International Diesel	10	Super HV Base Model	Wheel Tractor	164 CID (2.7L) C164 International	5
MDV Base Model	Wheel Tractor	248 CID (4.1L) D248 International Diesel	10	Super M Base Model	Wheel Tractor	264 CID (4.3L) C264 International	11
MV Base Model	Wheel Tractor	248 CID (4.1L) C248 International	9	Super MD Base Model	Wheel Tractor	264 CID (4.3L) D264 International Diesel	10
O4 Base Model	Wheel Tractor	152 CID (2.5L) C152 International	4	Super MDV Base Model	Wheel Tractor	264 CID (4.3L) D264 International Diesel	10
O6 Base Model	Wheel Tractor	248 CID (4.1L) C248 International	9	Super MTA Base Model	Wheel Tractor	264 CID (4.3L) D264 International Diesel	10
O6 Base Model	Wheel Tractor	264 CID (4.3L) C264 International	11	Super MV Base Model	Wheel Tractor	264 CID (4.3L) C264 International	11
O12 Base Model	Wheel Tractor	113 CID (1.9L) C113 International	2	Super W4 Base Model	Wheel Tractor	164 CID (2.7L) C164 International	5
O14 Base Model	Wheel Tractor	113 CID (1.9L) C113 International	2	Super W6 Base Model	Wheel Tractor	264 CID (4.3L) C264 International	11
OD9 Base Model	Wheel Tractor	335 CID (5.5L) D335 International Diesel	12	Super WD6 Base Model	Wheel Tractor	264 CID (4.3L) D264 International Diesel	10
ODS6 Base Model	Wheel Tractor	248 CID (4.1L) D248 International Diesel	10	Super WD9 Base Model	Wheel Tractor	350 CID (5.7L) D350 International Diesel	12



INTERNATIONAL TRACTOR (Cont.)
MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
Super WDR9 Base Model	Wheel Tractor	350 CID (5.7L) D350 International Diesel	12	TD40 Base Model	Crawler	461 CID (7.6L) D461 International Diesel	13
T4 Base Model	Crawler	123 CID (2.0L) C123 International	2	TD92 A	Wheel Tractor	166 CID (2.7L) D166 International Diesel	36
T5 Base Model	Crawler	135 CID (2.2L) C135 International	3	TD92 Base Model	Crawler	282 CID (4.6L) DT282 International Diesel	19
T6 Base Model	Crawler	221 CID (3.6L) C221 International	17	TD340 Base Model	Crawler	166 CID (2.7L) D166 International Diesel	36
T6 Base Model	Crawler	248 CID (4.1L) C248 International	9	U1 Base Model	Power Unit	60 CID (1.0L) C60 International	1
T6 62 Series	Crawler	263 CID (4.3L) C263 International	17	U2 Base Model	Power Unit	113 CID (1.9L) C113 International	2
T6 Base Model	Wheel Tractor	264 CID (4.3L) C264 International	11	U2A Base Model	Power Unit	113 CID (1.9L) C113 International	2
T6 61 Series	Crawler	281 CID (4.6L) D281 International Diesel	10	U4 Base Model	Power Unit	152 CID (2.5L) C152 International	4
T7 Base Model	Crawler	175 CID (2.9L) C175 (Late) International	8	U6 Base Model	Power Unit	248 CID (4.1L) C248 International	9
T340 A	Crawler	135 CID (2.2L) C135 International	3	U123 Base Model	Power Unit	123 CID (2.0L) C123 International	2
TC5 Base Model	Crawler	135 CID (2.2L) C135 International	3	U164 Base Model	Power Unit	152 CID (2.5L) C152 International	4
TD6 61 Series	Crawler	248 CID (4.1L) D248 International Diesel	10	U164 Base Model	Power Unit	164 CID (2.7L) C164 International	5
TD6 61 Series	Crawler	264 CID (4.3L) D264 International Diesel	10	U169 Base Model	Power Unit	169 CID (2.8L) C169 International	7
TD6 62 Series	Crawler	281 CID (4.6L) D281 International Diesel	10	U175 Base Model	Power Unit	175 CID (2.9L) C175 (Late) International	8
TD6 62 Series	Crawler	282 CID (4.6L) D282 International Diesel	19	U220 Base Model	Power Unit	220 CID (3.6L) BD220 International	14
TD7 Base Model	Crawler	239 CID (3.9L) DT239 International Diesel	37	U240 Base Model	Power Unit	240 CID (3.9L) BD240 International	14
TD8 Base Model	Crawler	239 CID (3.9L) DT239 International Diesel	37	U263 Base Model	Power Unit	263 CID (4.3L) C263 International	17
TD9 B	Crawler	282 CID (4.6L) DT282 International Diesel	19	U264 Base Model	Power Unit	240 CID (3.9L) BD240 International	14
TD9 Base Model	Crawler	335 CID (5.5L) D335 International Diesel	12	U264 Base Model	Power Unit	264 CID (4.3L) C264 International	11
TD9 91 Series	Crawler	350 CID (5.7L) D350 International Diesel	12	U264 Base Model	Power Unit	264 CID (4.3L) BD264 International	14
TD14 Base Model	Crawler	461 CID (7.6L) D461 International Diesel	13	U269 Base Model	Power Unit	269 CID (4.4L) BLD269 International	18
TD14A Base Model	Crawler	461 CID (7.6L) D461 International Diesel	13	U281 Base Model	Power Unit	281 CID (4.6L) C281 International	11
TD15 Base Model	Crawler	554 CID (9.1L) D554 International Diesel	26	U282 Base Model	Power Unit	282 CID (4.6L) C282 International	15
TD15B Base Model	Crawler	361 CID (5.9L) DT361 International Diesel	41	U372 Base Model	Power Unit	372 CID (6.1L) RD372 International	23
TD15B Base Model	Crawler	407 CID (6.7L) DT407 International Diesel	42	U406 Base Model	Power Unit	406 CID (6.7L) RD406 International	23
TD15C Base Model	Crawler	466 CID (7.6L) DT466 International Diesel	24	U450 Base Model	Power Unit	451 CID (7.4L) RD450 International	23
TD18A Base Model	Crawler	691 CID (11.3L) D691 International Diesel	27	U501 Base Model	Power Unit	501 CID (8.2L) RD501 International	23
TD20 Base Model	Crawler	691 CID (11.3L) D691 International Diesel	27	U817 Base Model	Power Unit	817 CID (13.4L) D817 International Diesel	28
TD20B Base Model	Crawler	429 CID (7.0L) DT429 International Diesel	25	UB220 Base Model	Power Unit	220 CID (3.6L) BD220 International	14
TD20C Base Model	Crawler	573 CID (9.4L) DVTI573B International Diesel	31	UB240 Base Model	Power Unit	240 CID (3.9L) BD240 International	14
TD25 Base Model	Crawler	817 CID (13.4L) DT817 International Diesel	28	UB264 Base Model	Power Unit	264 CID (4.3L) BD264 International	14
TD25B Base Model	Crawler	817 CID (13.4L) DTI817B International Diesel	46	UC60 Base Model	Power Unit	60 CID (1.0L) C60 International	1
TD25C Base Model	Crawler	817 CID (13.4L) DTI817B International Diesel	46	UC135 Base Model	Power Unit	135 CID (2.2L) C135 International	3
TD25E Base Model	Crawler	817 CID (13.4L) DTI817C International Diesel	28	UC135B Base Model	Power Unit	135 CID (2.2L) C135 International	3
TD30 Base Model	Crawler	817 CID (13.4L) DT817 International Diesel	28	UC153 Base Model	Power Unit	152 CID (2.5L) C152 International	4
TD35 Base Model	Crawler	461 CID (7.6L) D461 International Diesel	13	UC221 Base Model	Power Unit	221 CID (3.6L) C221 International	15



INTERNATIONAL TRACTOR (Cont.)							
MODEL DATA (Cont.)							
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
UC263 Base Model	Power Unit	263 CID (4.3L) C263 International	17	UD817 Base Model	Power Unit	817 CID (13.4L) D817 International Diesel	28
UC264 Base Model	Power Unit	264 CID (4.3L) C264 International	11	UDT282 Base Model	Power Unit	282 CID (4.6L) DT282 International Diesel	19
UC301 Base Model	Power Unit	301 CID (4.9L) C301 International	15	UDT360 Base Model	Power Unit	360 CID (5.9L) DT360 International Diesel	21
UD6 Base Model	Power Unit	248 CID (4.1L) D248 International Diesel	10	UDT361 Base Model	Power Unit	361 CID (5.9L) DT361 International Diesel	22
UD6A Base Model	Power Unit	248 CID (4.1L) D248 International Diesel	10	UDT407 Base Model	Power Unit	407 CID (6.7L) DT407 International Diesel	22
UD14 Base Model	Power Unit	461 CID (7.6L) D461 International Diesel	13	UDT414 Base Model	Power Unit	414 CID (6.8L) DT414 International Diesel	24
UD14A Base Model	Power Unit	461 CID (7.6L) D461 International Diesel	13	UDT429 Base Model	Power Unit	429 CID (7.0L) DT429 International Diesel	25
UD16 Base Model	Power Unit	502 CID (8.2L) D502 International Diesel	26	UDT466 Base Model	Power Unit	466 CID (7.6L) DT466 International Diesel	24
UD18 Base Model	Power Unit	691 CID (11.3L) D691 International Diesel	27	UDT573 Base Model	Power Unit	573 CID (9.4L) DT573 International Diesel	31
UD18A Base Model	Power Unit	691 CID (11.3L) D691 International Diesel	27	UDT817 Base Model	Power Unit	817 CID (13.4L) DTI817B International Diesel	28
UD40 Base Model	Power Unit	461 CID (7.6L) D461 International Diesel	13	UDVT573B Base Model	Power Unit	573 CID (9.4L) DVT573B International Diesel	31
UD91 Base Model	Power Unit	350 CID (5.7L) D350 International Diesel	12	UR372 Base Model	Power Unit	372 CID (6.1L) RD372 International	23
UD166 Base Model	Power Unit	166 CID (2.7L) D166 International Diesel	6	UR406 Base Model	Power Unit	406 CID (6.7L) RD406 International	23
UD236 Base Model	Power Unit	236 CID (3.9L) D236 International Diesel	16	UR450 Base Model	Power Unit	451 CID (7.4L) RD450 International	23
UD264 Base Model	Power Unit	248 CID (4.1L) D248 International Diesel	10	UR501 Base Model	Power Unit	501 CID (8.2L) RD501 International	23
UD264 Base Model	Power Unit	264 CID (4.3L) D264 International Diesel	10	UV345 Base Model	Power Unit	345 CID (5.6L) V345 International	29
UD281 Base Model	Power Unit	281 CID (4.6L) D281 International Diesel	10	UV401 Base Model	Power Unit	401 CID (6.6L) V401 International	30
UD281M Base Model	Power Unit	281 CID (4.6L) D281 International Diesel	10	UV461 Base Model	Power Unit	461 CID (7.6L) V461 International	30
UD282 Base Model	Power Unit	282 CID (4.6L) D282 International Diesel	16	UV549 Base Model	Power Unit	549 CID (9.0L) V549 International	30
UD284 Base Model	Power Unit	281 CID (4.6L) D281 International Diesel	10	W4 Base Model	Wheel Tractor	152 CID (2.5L) C152 International	4
UD301 Base Model	Power Unit	301 CID (4.9L) D301 International Diesel	19	W6 Base Model	Wheel Tractor	248 CID (4.1L) C248 International	9
UD312 Base Model	Power Unit	312 CID (5.1L) D312 International Diesel	20	W6 Base Model	Wheel Tractor	264 CID (4.3L) C264 International	11
UD350 Base Model	Power Unit	350 CID (5.7L) D350 International Diesel	12	W12 Base Model	Wheel Tractor	113 CID (1.9L) C113 International	2
UD360 Base Model	Power Unit	360 CID (5.9L) D360 International Diesel	20	W14 Base Model	Wheel Tractor	113 CID (1.9L) C113 International	2
UD361 Base Model	Power Unit	361 CID (5.9L) D361 International Diesel	22	W350 Base Model	Wheel Tractor	175 CID (2.9L) C175 (Late) International	8
UD370 Base Model	Power Unit	370 CID (6.1L) D370 International Diesel	12	W400 D	Wheel Tractor	264 CID (4.3L) D264 International Diesel	10
UD407 Base Model	Power Unit	407 CID (6.7L) D407 International Diesel	22	W450 D	Wheel Tractor	281 CID (4.6L) C281 International	11
UD414 Base Model	Power Unit	414 CID (6.8L) D414 International Diesel	24	W450D Base Model	Wheel Tractor	281 CID (4.6L) D281 International Diesel	10
UD429 Base Model	Power Unit	429 CID (7.0L) D429 International Diesel	25	WD6 Base Model	Wheel Tractor	248 CID (4.1L) D248 International Diesel	10
UD461 Base Model	Power Unit	461 CID (7.6L) D461 International Diesel	13	WD9 Base Model	Wheel Tractor	335 CID (5.5L) D335 International Diesel	12
UD466 Base Model	Power Unit	466 CID (7.6L) D466 International Diesel	24	WD Base Model	Wheel Tractor	248 CID (4.1L) D248 International Diesel	10
UD525 Base Model	Power Unit	525 CID (8.6L) D525 International Diesel	26	WDR9 Base Model	Wheel Tractor	335 CID (5.5L) D335 International Diesel	12
UD554 Base Model	Power Unit	554 CID (9.1L) D554 International Diesel	26	WDR9 Base Model	Wheel Tractor	350 CID (5.7L) D350 International Diesel	12
UD691 Base Model	Power Unit	691 CID (11.3L) D691 International Diesel	27				



INTERNATIONAL TRACTOR (Cont.)

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
25053D	6.500in./165.1mm	13	61349H	3.875in./98.4mm	36	118701H	4.125in./104.8mm	23	254924R1	6.500in./165.1mm	13
25069H	4.000in./101.6mm	2	61349H	3.688in./93.7mm	17	118701H	4.500in./114.3mm	23	277103R11	6.000in./152.4mm	28
25069H	4.250in./108mm	5	61349H	3.688in./93.7mm	15	118701H	5.000in./127mm	23	277103R11	6.000in./152.4mm	46
25069H	4.250in./108mm	7	62930R1	4.500in./114.3mm	18	118701H	5.250in./133.4mm	23	306280R1	4.391in./111.5mm	36
25750DA	5.250in./133.4mm	10	62930R4	4.500in./114.3mm	18	118701HA	4.125in./104.8mm	23	306280R1	4.391in./111.5mm	19
28736D	6.500in./165.1mm	13	62930R5	4.500in./114.3mm	18	118701HA	4.500in./114.3mm	23	364912R11	4.250in./108mm	5
30926D	4.000in./101.6mm	2	70009R1	3.688in./93.7mm	14	118701HA	5.000in./127mm	23	364912R11	4.250in./108mm	7
30926D	4.250in./108mm	5	70009R1	4.016in./102mm	14	118701HA	5.250in./133.4mm	23	367406R1	4.391in./111.5mm	19
30926D	4.250in./108mm	7	70009R1	4.125in./104.8mm	14	133512R3	3.750in./95.3mm	30	375595R1	4.063in./103.2mm	3
32285D	6.500in./165.1mm	13	70009R1	4.125in./104.8mm	38	133512R3	4.313in./109.6mm	30	527457R11	2.750in./69.9mm	1
42687D	6.500in./165.1mm	13	70009R1	4.016in./102mm	38	133521R3	3.750in./95.3mm	30	G-11176	4.391in./111.5mm	36
43785	4.250in./108mm	4	70009R1	3.688in./93.7mm	38	133521R3	4.313in./109.6mm	30	G-11723	4.391in./111.5mm	36
43785B	4.250in./108mm	4	70009R2	4.016in./102mm	14	133524R3	3.750in./95.3mm	30	V45	3.875in./98.4mm	6
43785DDXA	4.250in./108mm	5	70009R2	4.125in./104.8mm	14	133524R3	4.313in./109.6mm	30	V45	3.875in./98.4mm	36
43785DDXA	4.250in./108mm	7	70009R2	4.125in./104.8mm	38	215264R1	2.750in./69.9mm	1			
45750DA	5.250in./133.4mm	11	70009R2	4.016in./102mm	38	251246R1	2.750in./69.9mm	1			
61349H	3.875in./98.4mm	6	116390H	4.500in./114.3mm	18	251246R3	2.750in./69.9mm	1			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1A	5.085in./129.2mm	21	45571DB	5.250in./133.4mm	9	123441R3	4.313in./109.6mm	30	315712R3	4.391in./111.5mm	19
1A	5.350in./135.9mm	44	45571DB	5.250in./133.4mm	11	125932R1	4.500in./114.3mm	18	315712R3	4.391in./111.5mm	16
1AA	5.085in./129.2mm	21	45571DC	5.250in./133.4mm	9	129532R1	4.500in./114.3mm	18	315712R3	4.391in./111.5mm	15
1AA	5.350in./135.9mm	44	45571DC	5.250in./133.4mm	11	131440R3	3.750in./95.3mm	30	318175R11	6.500in./165.1mm	27
2 MAE	5.085in./129.2mm	21	45571DCX	5.250in./133.4mm	9	131850R1	5.250in./133.4mm	23	318264R1	3.875in./98.4mm	6
2 MAE	5.350in./135.9mm	44	45571DCX	5.250in./133.4mm	11	133440R1	3.750in./95.3mm	30	318264R1	3.875in./98.4mm	36
2MAE	5.085in./129.2mm	21	45571DD	5.250in./133.4mm	9	133440R3	3.750in./95.3mm	30	320185R1	4.391in./111.5mm	17
2MAE	5.350in./135.9mm	44	45571DD	5.250in./133.4mm	11	133441R1	4.313in./109.6mm	30	320185R1	4.391in./111.5mm	19
188A	5.085in./129.2mm	21	45571DDX	5.250in./133.4mm	9	133441R3	4.313in./109.6mm	30	320185R1	4.391in./111.5mm	16
188A	5.350in./135.9mm	44	45571DDX	5.250in./133.4mm	11	133894R1	4.313in./109.6mm	30	320185R1	4.391in./111.5mm	15
202B	5.085in./129.2mm	21	45571DE	5.250in./133.4mm	9	133894R3	4.313in./109.6mm	30	323882R11	4.391in./111.5mm	17
202B	5.350in./135.9mm	44	45571DE	5.250in./133.4mm	11	133894R4	4.313in./109.6mm	30	323882R11	4.391in./111.5mm	19
20068R2	5.500in./139.7mm	26	45571DEX	5.250in./133.4mm	9	141779R1	4.125in./104.8mm	14	323882R11	4.391in./111.5mm	16
24895D	6.500in./165.1mm	13	45571DEX	5.250in./133.4mm	11	141779R1	4.125in./104.8mm	38	323882R11	4.391in./111.5mm	15
24895DD	6.500in./165.1mm	13	45571FDX	5.250in./133.4mm	9	141780R1	4.125in./104.8mm	14	351264R1	2.750in./69.9mm	1
32288D	6.500in./165.1mm	27	45571FDX	5.250in./133.4mm	11	141780R1	4.125in./104.8mm	38	356308R1	4.000in./101.6mm	2
32288DB	6.500in./165.1mm	27	45572	5.250in./133.4mm	9	166088R1	4.125in./104.8mm	14	357247R1	2.750in./69.9mm	1
32305	6.500in./165.1mm	27	45572	5.250in./133.4mm	11	166088R1	4.125in./104.8mm	38	365308R1	4.000in./101.6mm	2
43734D	4.250in./108mm	4	46402D	4.000in./101.6mm	2	242880R91	3.750in./95.3mm	30	367266R1	3.688in./93.7mm	17
43734D	4.250in./108mm	5	46923D	5.250in./133.4mm	10	242881R91	3.750in./95.3mm	30	367266R1	3.688in./93.7mm	16
43734D	4.250in./108mm	7	52010D	5.250in./133.4mm	10	242882R91	4.313in./109.6mm	30	367266R1	3.688in./93.7mm	19
43734DB	4.250in./108mm	4	52010DA	5.250in./133.4mm	10	251264R1	2.750in./69.9mm	1	367266R1	3.688in./93.7mm	15
43734DC	4.250in./108mm	4	53401D	6.500in./165.1mm	13	252576R1	5.500in./139.7mm	26	367267R1	4.391in./111.5mm	17
43734DC	4.250in./108mm	5	53401DC	6.500in./165.1mm	13	252576R2	5.500in./139.7mm	26	367267R1	4.391in./111.5mm	19
43734DC	4.250in./108mm	7	54401DC	6.500in./165.1mm	13	260068R1	5.500in./139.7mm	26	367267R1	4.391in./111.5mm	16
43734DCX	4.250in./108mm	5	54401DCX	6.500in./165.1mm	13	260068R2	5.500in./139.7mm	26	367267R1	4.391in./111.5mm	15
43734DCX	4.250in./108mm	7	55205	5.250in./133.4mm	10	260693R1	5.500in./139.7mm	12	367747R1	4.063in./103.2mm	34
43734DD	4.250in./108mm	4	60889HC	4.250in./108mm	4	260693R2	5.500in./139.7mm	12	367747R1	4.250in./108mm	34
43734DEX	4.250in./108mm	5	61265R1	5.250in./133.4mm	10	260693R3	5.500in./139.7mm	12	367747R1	4.063in./103.2mm	3
43734DEX	4.250in./108mm	7	70115R1	3.688in./93.7mm	14	260749R1	5.500in./139.7mm	12	368711R1	4.000in./101.6mm	2
43734DF	4.250in./108mm	5	70115R1	3.688in./93.7mm	38	260749R2	5.500in./139.7mm	12	375601R11	3.875in./98.4mm	6
43734DF	4.250in./108mm	7	70115R3	3.688in./93.7mm	14	261265R1	5.250in./133.4mm	10	375601R11	3.875in./98.4mm	36
43734DFY	4.250in./108mm	5	70115R3	3.688in./93.7mm	38	261265R41	5.250in./133.4mm	11	378684R21	6.500in./165.1mm	13
43734DFY	4.250in./108mm	7	70118R1	3.688in./93.7mm	14	263126R1	6.500in./165.1mm	27	378685R11	6.500in./165.1mm	13
43734DG	4.250in./108mm	5	70118R1	4.016in./102mm	14	263126R2	6.500in./165.1mm	27	378686R21	6.500in./165.1mm	13
43734DG	4.250in./108mm	7	70118R1	4.016in./102mm	38	267267R1	4.391in./111.5mm	17	837719R1	4.125in./104.8mm	23
43734DHX	4.250in./108mm	5	70118R1	3.688in./93.7mm	38	267267R1	4.391in./111.5mm	19	852856	4.313in./109.6mm	30
43734DHX	4.250in./108mm	7	82856	4.313in./109.6mm	30	267267R1	4.391in./111.5mm	16	1805420C1	5.085in./129.2mm	21
43739	4.250in./108mm	5	83917R1	4.125in./104.8mm	23	267267R1	4.391in./111.5mm	15	1805420C1	5.350in./135.9mm	44
43739	4.250in./108mm	7	83917R2	4.125in./104.8mm	23	275606R1	5.500in./139.7mm	12	1809954C1	5.085in./129.2mm	21
44571DB	5.250in./133.4mm	9	83917R3	4.125in./104.8mm	23	275708R92	5.500in./139.7mm	12	1809954C1	5.350in./135.9mm	44
44571DB	5.250in./133.4mm	11	93917R1	4.125in./104.8mm	23	277100R11	6.000in./152.4mm	28	1812320C91	5.085in./129.2mm	21
44571DE	5.250in./133.4mm	9	93917R3	4.125in./104.8mm	23	277100R11	6.000in./152.4mm	46	1812320C91	5.350in./135.9mm	44
44571DE	5.250in./133.4mm	11	116447H	4.500in./114.3mm	18	289878C91	3.750in./95.3mm	30	1816975C1	5.085in./129.2mm	21
44571DEX	5.250in./133.4mm	9	118528H	4.500in./114.3mm	23	296733C91	4.313in./109.6mm	30	1816975C1	5.350in./135.9mm	44
44571DEX	5.250in./133.4mm	11	118530H	5.000in./127mm	23	308397R31	3.875in./98.4mm	6	A-39151	4.391in./111.5mm	36
44572	5.250in./133.4mm	9	118530H	3.750in./95.3mm	30	308397R31	3.875in./98.4mm	36	G-11741	4.391in./111.5mm	36
44572	5.250in./133.4mm	11	118530R1	4.313in./109.6mm	30	315712R3	4.391in./111.5mm	17			



INTERNATIONAL TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	60 CID (1.0L) C60 International 4 Cyl			2.625in./66.7mm x 2.750in./69.9mm				1
Rod Bearing(4)	TM-77	CB-310P	STD,2,10,20,30	1.4980/1.4990	0.0014/0.0035	0.0623	1.6245/1.6250	0.7610
NOTE: Requires Rod No. 251246R3								
Rod Bearing(4)	TM-112	CB-998P	STD,10,20,30	1.4980/1.4990	0.0014/0.0039	0.0623	1.6245/1.6250	0.6610
NOTE: Connecting Rod Forging Number 527457R11								
Main Bearing Set	TM-77	MS-306P	STD,10	1.6230/1.6240	0.0007/0.0033	0.0758	1.7760/1.7770	1.0620
1-3		MB-1211P						
2		MB-1212P(F)		1.6230/1.6240	0.0007/0.0033	0.0758	1.7760/1.7770	1.1825
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing								
Piston Pin Bushing(4)	C-1	223-3466	STD			0.0410	0.7550/0.7580	0.8850
NOTE: Requires Boring								
Rod Forging	215264R1, 251246R1, 251246R3, 527457R11							
C/S Forging	251264R1, 351264R1, 357247R1							
Connecting Rod	16 To 20 Lbs.Ft.							
Main Bearing	55 To 60 Lbs.Ft.							
2	113 CID (1.9L) C113 International 4 Cyl			3.000in./76.2mm x 4.000in./101.6mm				2
	123 CID (2.0L) C123 International 4 Cyl			3.125in./79.4mm x 4.000in./101.6mm				2
Rod Bearing(4)	TM-112	CB-386P	STD,2,10,20,30	1.7490/1.7500	0.0014/0.0039	0.0623	1.8755/1.8760	1.0550
Main Bearing Set	TM-112	MS-459P	STD,10,20,30	2.1240/2.1250	0.0012/0.0042	0.0853	2.2965/2.2975	1.3750
1-2		MB-1648P						
3		MB-1649P(F)		2.1240/2.1250	0.0012/0.0042	0.0853	2.2965/2.2975	1.8390
NOTE: Contains .010" Oversize Length Flanged Bearing								
Piston Pin Bushing(4)	C-1	223-3477	STD			0.0405	0.9861/0.9886	1.2290
NOTE: From Engine Serial Number 103,615, Requires Boring								
Rod Forging	25069H, 30926D							
C/S Forging	46402D, 356308R1, 365308R1, 368711R1							
Connecting Rod	43 To 49 Lbs.Ft.							
Main Bearing	75 To 80 Lbs.Ft.							
3	135 CID (2.2L) C135 International 4 Cyl			3.250in./82.6mm x 4.063in./103.2mm				3
Rod Bearing(4)	TM-112	CB-533P	STD,10,20,30	2.0590/2.0600	0.0014/0.0039	0.0628	2.1865/2.1870	1.0670
NOTE: From Serial Number 100501								
Rod Bearing(4)	TM-112	CB-556P	STD,10,20	1.8090/1.8100	0.0014/0.0044	0.0628	1.9365/1.9375	1.0050
NOTE: Thru Engine Serial Number 100500								
Main Bearing Set	TM-112	MS-505P	STD,10	2.2440/2.2450	0.0012/0.0042	0.0953	2.4365/2.4375	1.3170
1-2		MB-1929P						
3		MB-1930P(F)		2.2440/2.2450	0.0012/0.0042	0.0953	2.4365/2.4375	1.6260
NOTE: Thru Engine Serial Number 100500								
Main Bearing Set	TM-112	MS-665P	STD,10,20	2.6235/2.6245	0.0012/0.0042	0.0953	2.8160/2.8170	1.2550
1-2		MB-2213P						
3		MB-2214P(F)		2.6235/2.6245	0.0012/0.0042	0.0953	2.8160/2.8170	1.6260
NOTE: From Serial Number 100501								
Rod Forging	375595R1							
C/S Forging	367747R1							
Connecting Rod	43 To 49 Lbs.Ft.							
Main Bearing	75 To 80 Lbs.Ft.							
4	152 CID (2.5L) C152 International 4 Cyl			3.375in./85.7mm x 4.250in./108mm				4
Rod Bearing(4)	TM-77	CB-207P	STD,2,10,20	2.2475/2.2485	0.0015/0.0040	0.1003	2.4500/2.4510	1.2340
Main Bearing Set	TM-77	MS-154P	STD,2,10,20	2.4975/2.4985	0.0013/0.0038	0.1252	2.7500/2.7510	1.5000
1-3		MB-1060P						
2		MB-1061P(F)		2.4975/2.4985	0.0013/0.0038	0.1252	2.7500/2.7510	1.9950
Cam Bearing Set	B-1	SH-354S	STD	1.9305/1.9315	0.0010/0.0050	0.0643	2.0610/2.0625	1.3230
1		SH-354						
2		SH-355		1.8055/1.8065	0.0010/0.0050	0.0643	1.9360/1.9375	1.3850
3		SH-356		1.3680/1.3690	0.0010/0.0050	0.0643	1.4985/1.5000	1.0100
Piston Pin Bushing(4)	B	223-3361	STD			0.0330	1.1600/1.1615	1.3225
NOTE: Requires Light Reaming								



INTERNATIONAL TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
4 (Cont.)	152 CID (2.5L) C152 International 4 Cyl			3.375in./85.7mm x 4.250in./108mm				4 (Cont.)
Rod Forging	43785, 43785B							
C/S Forging	43734D, 43734DB, 43734DC, 43734DD, 60889HC							
Connecting Rod	40 To 50 Lbs.Ft.							
Main Bearing	75 To 80 Lbs.Ft.							
5	164 CID (2.7L) C164 International 4 Cyl			3.500in./88.9mm x 4.250in./108mm				5
Rod Bearing(4)	TM-77	CB-420P	STD,10,20	2.2975/2.2985	0.0016/0.0042	0.0752	2.4500/2.4510	1.2340
Main Bearing Set	TM-77	MS-302P	STD,10					
1-3		MB-1541P		2.5575/2.5585	0.0014/0.0040	0.0952	2.7500/2.7510	1.5000
2		MB-1542P(F)		2.5575/2.5585	0.0014/0.0040	0.0952	2.7500/2.7510	1.9730
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-354S	STD					
1		SH-354		1.9305/1.9315	0.0010/0.0050	0.0643	2.0610/2.0625	1.3230
2		SH-355		1.8055/1.8065	0.0010/0.0050	0.0643	1.9360/1.9375	1.3850
3		SH-356		1.3680/1.3690	0.0010/0.0050	0.0643	1.4985/1.5000	1.0100
Piston Pin Bushing(4)	B	223-3361	STD			0.0330	1.1600/1.1615	1.3225
NOTE: Requires Light Reaming								
Rod Forging	25069H, 30926D, 364912R11, 43785DDXA							
C/S Forging	43739, 43734D, 43734DC, 43734DF, 43734DG, 43734DCX, 43734DEX, 43734DFY, 43734DHX							
Connecting Rod	40 To 50 Lbs.Ft.							
Main Bearing	75 To 80 Lbs.Ft.							
6	166 CID (2.7L) D166 International Diesel 4 Cyl			3.688in./93.7mm x 3.875in./98.4mm				6
Rod Bearing(4)	TM-112	CB-550P	STD,1,2,10,20,30	2.3730/2.3740	0.0014/0.0039	0.0623	2.4995/2.5000	1.0030
Main Bearing Set	TM-112	MS-562P	STD,10,20					
1		MB-1910P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.0860
2		MB-1911P(F)		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.5100
3		MB-1909P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.2480
Cam Bearing Set	B-1	SH-558S	STD					
1		SH-493		2.1090/2.1100	0.0005/0.0050	0.0648	2.2400/2.2415	1.1350
2		SH-220		2.0890/2.0900	0.0005/0.0050	0.0648	2.2200/2.2215	1.0720
3		SH-455		2.0690/2.0700	0.0005/0.0050	0.0648	2.2000/2.2015	1.0720
Rod Forging	V45, 61349H							
C/S Forging	318264R1, 308397R31, 375601R11							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
7	169 CID (2.8L) C169 International 4 Cyl			3.563in./90.5mm x 4.250in./108mm				7
	175 CID (2.9L) C175 (Early) International 4 Cyl			3.625in./92.1mm x 4.250in./108mm				
Rod Bearing(4)	TM-77	CB-420P	STD,10,20	2.2975/2.2985	0.0016/0.0042	0.0752	2.4500/2.4510	1.2340
Main Bearing Set	TM-77	MS-302P	STD,10					
1-3		MB-1541P		2.5575/2.5585	0.0014/0.0040	0.0952	2.7500/2.7510	1.5000
2		MB-1542P(F)		2.5575/2.5585	0.0014/0.0040	0.0952	2.7500/2.7510	1.9730
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-354S	STD					
1		SH-354		1.9305/1.9315	0.0010/0.0050	0.0643	2.0610/2.0625	1.3230
2		SH-355		1.8055/1.8065	0.0010/0.0050	0.0643	1.9360/1.9375	1.3850
3		SH-356		1.3680/1.3690	0.0010/0.0050	0.0643	1.4985/1.5000	1.0100
Piston Pin Bushing(4)	B	223-3469	STD			0.0330	0.9305/0.9315	1.2650
NOTE: Engines With .875" Piston Pin Diameter, Requires Light Reaming, .8752" Inside Diameter,.9355" Outside Diameter,1.297" Length								
Rod Forging	25069H, 30926D, 364912R11, 43785DDXA							
C/S Forging	43739, 43734D, 43734DC, 43734DF, 43734DG, 43734DCX, 43734DEX, 43734DFY, 43734DHX							
Connecting Rod	40 To 50 Lbs.Ft.							
Main Bearing	75 To 80 Lbs.Ft.							
8	175 CID (2.9L) C175 (Late) International 4 Cyl			3.563in./90.5mm x 4.391in./111.5mm				8
	200 CID (3.3L) C200 International 4 Cyl			3.813in./96.9mm x 4.391in./111.5mm				
Rod Bearing(4)	TM-112	CB-550P	STD,1,2,10,20,30	2.3730/2.3740	0.0014/0.0039	0.0623	2.4995/2.5000	1.0030



INTERNATIONAL TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
8 (Cont.)	175 CID (2.9L) C175 (Late) International 4 Cyl			3.563in./90.5mm x 4.391in./111.5mm				8 (Cont.)
	200 CID (3.3L) C200 International 4 Cyl			3.813in./96.9mm x 4.391in./111.5mm				
Main Bearing Set	TM-112	MS-983P	STD,10,20					
1		MB-1909P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.2480
2		MB-2231P(F)		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.5100
3		MB-1912P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.8430
Piston Pin Bushing(4)	B	223-3469	STD			0.0330	0.9305/0.9315	1.2650
NOTE: Requires Light Reaming								
9	248 CID (4.1L) C248 International 4 Cyl			3.875in./98.4mm x 5.250in./133.4mm				9
Rod Bearing(4)	TM-77	CB-206P	STD,2,10,20,30	2.4975/2.4985	0.0015/0.0040	0.1003	2.7000/2.7010	1.7290
NOTE: Early Engine								
Rod Bearing(4)	TM-77	CB-422P	STD,2,10,20,30	2.5475/2.5485	0.0016/0.0042	0.0752	2.7000/2.7010	1.7290
NOTE: Late Engines								
Main Bearing Set	TM-77	MS-155P	STD,10,20					
1-3		MB-1062P		2.7475/2.7485	0.0013/0.0038	0.1252	3.0000/3.0010	1.5630
2		MB-1063P(F)		2.7475/2.7485	0.0013/0.0038	0.1252	3.0000/3.0010	2.2450
NOTE: Early Engine								
Main Bearing Set	TM-77	MS-307P	STD,10,20					
1-3		MB-1543P		2.8075/2.8085	0.0014/0.0040	0.0952	3.0000/3.0010	1.5630
2		MB-1544P(F)		2.8075/2.8085	0.0014/0.0040	0.0952	3.0000/3.0010	2.2230
NOTE: Late Engines								
Cam Bearing Set	B-1	SH-116S	STD					
1		SH-116		2.2430/2.2440	0.0010/0.0050	0.0643	2.3735/2.3750	1.4480
2		SH-117		2.1180/2.1190	0.0010/0.0050	0.0643	2.2485/2.2500	1.4790
3		SH-118		1.8680/1.8690	0.0010/0.0050	0.0643	1.9985/2.0000	1.0730
Piston Pin Bushing(4)	C-1	223-3443	STD			0.1115	1.4085	1.5250
NOTE: Requires Light Reaming								
C/S Forging	44572, 45572, 44571DB, 44571DE, 45571DB, 45571DC, 45571DD, 45571DE, 44571DEX, 45571DCX, 45571DDX, 45571DEX, 45571FDX							
Connecting Rod	55 To 60 Lbs.Ft.							
Main Bearing	100 To 105 Lbs.Ft.							
10	248 CID (4.1L) D248 International Diesel 4 Cyl			3.875in./98.4mm x 5.250in./133.4mm				10
	264 CID (4.3L) D264 International Diesel 4 Cyl			4.000in./101.6mm x 5.250in./133.4mm				
	281 CID (4.6L) D281 International Diesel 4 Cyl			4.125in./104.8mm x 5.250in./133.4mm				
Rod Bearing(4)	TM-112	CB-268P	STD,10,20,30	3.2475/3.2485	0.0022/0.0052	0.1004	3.4510/3.4520	2.0930
Piston Pin Bushing(4)	C-1	223-3443	STD			0.1115	1.4085	1.5250
NOTE: Requires Light Reaming, 1.294" Inside Diameter, 1.417" Outside Diameter, 1.5" Length								
Rod Forging	25750DA							
C/S Forging	55205, 46923D, 52010D, 52010DA, 61265R1, 261265R1							
Connecting Rod	110 To 120 Lbs.Ft.							
Main Bearing	150 To 175 Lbs.Ft. (5/8" Bolts)							
Main Bearing	250 To 275 Lbs.Ft. (3/4" Bolts)							
11	264 CID (4.3L) C264 International 4 Cyl			4.000in./101.6mm x 5.250in./133.4mm				11
	281 CID (4.6L) C281 International 4 Cyl			4.125in./104.8mm x 5.250in./133.4mm				
Rod Bearing(4)	TM-77	CB-422P	STD,2,10,20,30	2.5475/2.5485	0.0016/0.0042	0.0752	2.7000/2.7010	1.7290
Main Bearing Set	TM-77	MS-307P	STD,10,20					
1-3		MB-1543P		2.8075/2.8085	0.0014/0.0040	0.0952	3.0000/3.0010	1.5630
2		MB-1544P(F)		2.8075/2.8085	0.0014/0.0040	0.0952	3.0000/3.0010	2.2230
Cam Bearing Set	B-1	SH-116S	STD					
1		SH-116		2.2430/2.2440	0.0010/0.0050	0.0643	2.3735/2.3750	1.4480
2		SH-117		2.1180/2.1190	0.0010/0.0050	0.0643	2.2485/2.2500	1.4790
3		SH-118		1.8680/1.8690	0.0010/0.0050	0.0643	1.9985/2.0000	1.0730
Rod Forging	45750DA							
C/S Forging	44572, 45572, 44571DB, 44571DE, 45571DB, 45571DC, 45571DD, 45571DE, 44571DEX, 45571DCX, 45571DDX, 45571DEX, 45571FDX, 261265R41							
Connecting Rod	55 To 60 Lbs.Ft.							
Main Bearing	100 To 105 Lbs.Ft.							



INTERNATIONAL TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
12	335 CID (5.5L) D335 International Diesel 4 Cyl			4.406in./112mm x 5.500in./139.7mm				12
	350 CID (5.7L) D350 International Diesel 4 Cyl			4.500in./114.3mm x 5.500in./139.7mm				
	370 CID (6.1L) D370 International Diesel 4 Cyl			4.625in./117.5mm x 5.500in./139.7mm				
Rod Bearing(4)	TM-112	CB-622P	STD,10,20,30	2.7475/2.7485	0.0024/0.0054	0.0748	2.9000/2.9010	2.0200
C/S Forging 260693R1, 260693R2, 260693R3, 260749R1, 260749R2, 275606R1, 275708R92								
13	461 CID (7.6L) D461 International Diesel 4 Cyl			4.750in./120.7mm x 6.500in./165.1mm				13
Rod Bearing(4)	TM-112	CB-632P	STD	3.2475/3.2485	0.0030/0.0060	0.1245	3.5000/3.5010	1.8250
Rod Forging	25053D, 28736D, 32285D, 42687D, 254924R1							
C/S Forging	24895D, 53401D, 24895DD, 53401DC, 54401DC, 54401DCX, 378684R21, 378685R11, 378686R21							
6 CYL								
14	220 CID (3.6L) BD220 International 6 Cyl			3.563in./90.5mm x 3.688in./93.7mm				14
	240 CID (3.9L) BD240 International 6 Cyl (1962)			3.563in./90.5mm x 4.016in./102mm				
	264 CID (4.3L) BD264,SD264 International 6 Cyl			3.688in./93.7mm x 4.125in./104.8mm				
Rod Bearing(6)	TM-112	CB-475P	STD,10,20,30,40	2.3730/2.3740	0.0014/0.0039	0.0623	2.4995/2.5000	1.1000
Cam Bearing Set	B-1	SH-220S	STD					
1		SH-493		2.1090/2.1100	0.0005/0.0050	0.0648	2.2400/2.2415	1.1350
2		SH-220		2.0890/2.0900	0.0005/0.0050	0.0648	2.2200/2.2215	1.0720
3		SH-455		2.0690/2.0700	0.0005/0.0050	0.0648	2.2000/2.2015	1.0720
4		SH-224		1.4995/1.5005	0.0005/0.0050	0.0648	1.6305/1.6320	1.3220
NOTE: Contains Late Style Bearing with 2 Oil Holes, Will Service Both Early And Late Engines								
Piston Pin Bushing(6)	B	223-3469	STD			0.0330	0.9305/0.9315	1.2650
NOTE: Requires Light Reaming								
Rod Forging	70009R1, 70009R2							
C/S Forging	70115R1, 70115R3, 70118R1, 141779R1, 141780R1, 166088R1							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
15	221 CID (3.6L) C221 International 6 Cyl			3.563in./90.5mm x 3.688in./93.7mm				15
	282 CID (4.6L) C282 International 6 Cyl			3.688in./93.7mm x 4.391in./111.5mm				
	301 CID (4.9L) C301 International Flex 6 Cyl			3.813in./96.9mm x 4.391in./111.5mm				
Rod Bearing(6)	TM-112	CB-550P	STD,1,2,10,20,30	2.3730/2.3740	0.0014/0.0039	0.0623	2.4995/2.5000	1.0030
Main Bearing Set	TM-112	MS-494P	STD,10,20					
1		MB-1909P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.2480
2		MB-1910P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.0860
3		MB-1911P(F)		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.5100
4		MB-1912P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.8430
NOTE: Engines With 3.750" Main Bearing Flange Outside Diameter								
Main Bearing Set	TM-112	MS-683P	STD,10,20					
1		MB-1909P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.2480
2		MB-1910P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.0860
3		MB-2231P(F)		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.5100
4		MB-1912P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.8430
NOTE: Engines With 4.000" Main Bearing Flange Outside Diameter								
Cam Bearing Set	B-1	SH-220S	STD					
1		SH-493		2.1090/2.1100	0.0005/0.0050	0.0648	2.2400/2.2415	1.1350
2		SH-220		2.0890/2.0900	0.0005/0.0050	0.0648	2.2200/2.2215	1.0720
3		SH-455		2.0690/2.0700	0.0005/0.0050	0.0648	2.2000/2.2015	1.0720
4		SH-224		1.4995/1.5005	0.0005/0.0050	0.0648	1.6305/1.6320	1.3220
Rod Forging	61349H							
C/S Forging	267267R1, 315712R3, 320185R1, 367266R1, 367267R1, 323882R11							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
16	236 CID (3.9L) D236 International Diesel 6 Cyl			3.688in./93.7mm x 3.688in./93.7mm				16
	282 CID (4.6L) D282 International Diesel 6 Cyl			3.688in./93.7mm x 4.391in./111.5mm				
Rod Bearing(6)	TM-112	CB-550P	STD,1,2,10,20,30	2.3730/2.3740	0.0014/0.0039	0.0623	2.4995/2.5000	1.0030



INTERNATIONAL TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
16 (Cont.)	236 CID (3.9L) D236 International Diesel 6 Cyl			3.688in./93.7mm x 3.688in./93.7mm				16 (Cont.)
	282 CID (4.6L) D282 International Diesel 6 Cyl			3.688in./93.7mm x 4.391in./111.5mm				
Main Bearing Set	TM-112	MS-494P	STD,10,20					
1		MB-1909P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.2480
2		MB-1910P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.0860
3		MB-1911P(F)		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.5100
4		MB-1912P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.8430
NOTE: Engines With 3.750" Main Bearing Flange Outside Diameter								
Main Bearing Set	TM-112	MS-683P	STD,10,20					
1		MB-1909P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.2480
2		MB-1910P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.0860
3		MB-2231P(F)		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.5100
4		MB-1912P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.8430
NOTE: Engines With 4.000" Main Bearing Flange Outside Diameter								
Cam Bearing Set	B-1	SH-220S	STD					
1		SH-493		2.1090/2.1100	0.0005/0.0050	0.0648	2.2400/2.2415	1.1350
2		SH-220		2.0890/2.0900	0.0005/0.0050	0.0648	2.2200/2.2215	1.0720
3		SH-455		2.0690/2.0700	0.0005/0.0050	0.0648	2.2000/2.2015	1.0720
4		SH-224		1.4995/1.5005	0.0005/0.0050	0.0648	1.6305/1.6320	1.3220
Piston Pin Bushing(6)	C-1	223-3624	STD	0.8752/0.8753		0.0330	0.9310	1.2650
NOTE: Engines With .875" Piston Pin Diameter, Requires Boring								
C/S Forging 267267R1, 315712R3, 320185R1, 367266R1, 367267R1, 323882R11								
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
17	221 CID (3.6L) C221 International 6 Cyl			3.563in./90.5mm x 3.688in./93.7mm				17
	263 CID (4.3L) C263 International 6 Cyl			3.563in./90.5mm x 4.391in./111.5mm				
	301 CID (4.9L) C301 International Flex 6 Cyl			3.813in./96.9mm x 4.391in./111.5mm				
Rod Bearing(6)	TM-112	CB-550P	STD,1,2,10,20,30	2.3730/2.3740	0.0014/0.0039	0.0623	2.4995/2.5000	1.0030
Main Bearing Set	TM-112	MS-494P	STD,10,20					
1		MB-1909P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.2480
2		MB-1910P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.0860
3		MB-1911P(F)		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.5100
4		MB-1912P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.8430
NOTE: Engines With 3.750" Main Bearing Flange Outside Diameter								
Main Bearing Set	TM-112	MS-683P	STD,10,20					
1		MB-1909P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.2480
2		MB-1910P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.0860
3		MB-2231P(F)		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.5100
4		MB-1912P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.8430
NOTE: Engines With 4.000" Main Bearing Flange Outside Diameter								
Cam Bearing Set	B-1	SH-220S	STD					
1		SH-493		2.1090/2.1100	0.0005/0.0050	0.0648	2.2400/2.2415	1.1350
2		SH-220		2.0890/2.0900	0.0005/0.0050	0.0648	2.2200/2.2215	1.0720
3		SH-455		2.0690/2.0700	0.0005/0.0050	0.0648	2.2000/2.2015	1.0720
4		SH-224		1.4995/1.5005	0.0005/0.0050	0.0648	1.6305/1.6320	1.3220
Piston Pin Bushing(6)	B	223-3469	STD			0.0330	0.9305/0.9315	1.2650
NOTE: Requires Light Reaming								
Piston Pin Bushing(6)	C-1	223-3624	STD	0.8752/0.8753		0.0330	0.9310	1.2650
NOTE: Engines With .875" Piston Pin Diameter, Requires Boring								
Rod Forging 61349H								
C/S Forging 267267R1, 315712R3, 320185R1, 367266R1, 367267R1, 323882R11								
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
18	269 CID (4.4L) BLD269 International 6 Cyl			3.563in./90.5mm x 4.500in./114.3mm				18
Rod Bearing(6)	TM-112	CB-452P	STD,10,20	2.1220/2.1230	0.0012/0.0037	0.0564	2.2365/2.2370	1.1980
Rod Forging	116390H, 62930R1, 62930R4, 62930R5							
C/S Forging	116447H, 125932R1, 129532R1							
Connecting Rod	75 To 85 Lbs.Ft.							
Main Bearing	100 To 110 Lbs.Ft.							



INTERNATIONAL TRACTOR (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
19	236 CID (3.9L) D236 International Diesel 6 Cyl				3.688in./93.7mm x 3.688in./93.7mm				19
	282 CID (4.6L) C282 International 6 Cyl				3.688in./93.7mm x 4.391in./111.5mm				
	282 CID (4.6L) D282,DT282 International Diesel 6 Cyl				3.688in./93.7mm x 4.391in./111.5mm				
	291 CID (4.8L) C291 International 6 Cyl				3.750in./95.3mm x 4.391in./111.5mm				
	301 CID (4.9L) D301 International Diesel 6 Cyl				3.813in./96.9mm x 4.391in./111.5mm				
	301 CID (4.9L) DT301 International Turbocharged Diesel 6 Cyl				3.813in./96.9mm x 4.391in./111.5mm				
Rod Bearing(6)	TM-112	CB-550P	STD,1,2,10,20,30	2.3730/2.3740	0.0014/0.0039	0.0623	2.4995/2.5000	1.0030	
Main Bearing Set	TM-112	MS-494P	STD,10,20						
1		MB-1909P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.2480	
2		MB-1910P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.0860	
3		MB-1911P(F)		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.5100	
4		MB-1912P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.8430	
NOTE: Engines With 3.750" Main Bearing Flange Outside Diameter									
Main Bearing Set	TM-112	MS-683P	STD,10,20						
1		MB-1909P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.2480	
2		MB-1910P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.0860	
3		MB-2231P(F)		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.5100	
4		MB-1912P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.8430	
NOTE: Engines With 4.000" Main Bearing Flange Outside Diameter									
Cam Bearing Set	B-1	SH-220S	STD						
1		SH-493		2.1090/2.1100	0.0005/0.0050	0.0648	2.2400/2.2415	1.1350	
2		SH-220		2.0890/2.0900	0.0005/0.0050	0.0648	2.2200/2.2215	1.0720	
3		SH-455		2.0690/2.0700	0.0005/0.0050	0.0648	2.2000/2.2015	1.0720	
4		SH-224		1.4995/1.5005	0.0005/0.0050	0.0648	1.6305/1.6320	1.3220	
Piston Pin Bushing(6)	B	223-3469	STD			0.0330	0.9305/0.9315	1.2650	
NOTE: Engines With .875" Piston Pin Diameter,From Engine Serial Number 501-4369, Requires Light Reaming, .934" Outside Diameter									
Piston Pin Bushing(6)	C-1	223-3566	STD			0.0660	1.2500/1.2505	1.3220	
NOTE: Engines With 1.125" Piston Pin Diameter,From Engine Serial Number 4370, Requires Boring, 1.25" Outside Diameter									
Piston Pin Bushing(6)	C-1	223-3624	STD	0.8752/0.8753		0.0330	0.9310	1.2650	
NOTE: Engines With .875" Piston Pin Diameter, Requires Boring									
Rod Forging	306280R1, 367406R1								
C/S Forging	267267R1, 315712R3, 320185R1, 367266R1, 367267R1, 323882R11								
Connecting Rod	45 To 55 Lbs.Ft.								
Main Bearing	75 To 85 Lbs.Ft.								
20	312 CID (5.1L) D312 International Diesel 6 Cyl				3.875in./98.4mm x 4.410in./112mm				20
	360 CID (5.9L) D360 International Diesel 6 Cyl				3.875in./98.4mm x 5.085in./129.2mm				
Rod Bearing(6)	TM-112	CB-675P	STD,10,20,30,40	2.9977/2.9990	0.0023/0.0056	0.0996	3.2000/3.2010	1.2000	
Main Bearing Set	TM-112	MS-1342P	STD,10,20,30						
1-2-3-4-5-6		MB-2626P		3.3742/3.3755	0.0021/0.0051	0.1556	3.6885/3.6895	1.0650	
7		MB-2627P(F)		3.3742/3.3755	0.0021/0.0051	0.1556	3.6885/3.6895	1.4350	
NOTE: .030" Undersize Set Contains .012" Oversize Length Flanged Bearing									
Cam Bearing Set	B-1	SH-994S	STD						
1		SH-994		2.2824/2.2835	0.0010/0.0056	0.1080	2.5005/2.5020	1.0100	
2		SH-995		2.2824/2.2835	0.0010/0.0056	0.0980	2.4805/2.4820	0.7090	
3		SH-996		2.2824/2.2835	0.0010/0.0056	0.0880	2.4605/2.4620	0.7090	
4		SH-997		2.2824/2.2835	0.0010/0.0056	0.0780	2.4405/2.4420	0.7100	
Piston Pin Bushing(6)	C-1	223-3627	STD			0.0635	1.7250/1.7255	1.2750	
NOTE: Requires Boring									
Connecting Rod	130 Lbs.Ft.								
Main Bearing	115 Lbs.Ft.								
21	360 CID (5.9L) DT360 International Turbocharged Diesel 6 Cyl				3.875in./98.4mm x 5.085in./129.2mm				21
Rod Bearing(6)	TM-112	CB-1394P	STD,10,20,30	2.5182/2.5197	0.0018/0.0051	0.0778	2.6771/2.6779	1.2650	
Main Bearing Set	TM-112	MS-1342P	STD,10,20,30						
1-2-3-4-5-6		MB-2626P		3.3742/3.3755	0.0021/0.0051	0.1556	3.6885/3.6895	1.0650	
7		MB-2627P(F)		3.3742/3.3755	0.0021/0.0051	0.1556	3.6885/3.6895	1.4350	
NOTE: .030" Undersize Set Contains .012" Oversize Length Flanged Bearing									



INTERNATIONAL TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
21 (Cont.)	360 CID (5.9L) DT360 International Turbocharged Diesel 6 Cyl				3.875in./98.4mm x 5.085in./129.2mm			21 (Cont.)
Cam Bearing Set	B-1	SH-994S	STD					
1		SH-994		2.2824/2.2835	0.0010/0.0056	0.1080	2.5005/2.5020	1.0100
2		SH-995		2.2824/2.2835	0.0010/0.0056	0.0980	2.4805/2.4820	0.7090
3		SH-996		2.2824/2.2835	0.0010/0.0056	0.0880	2.4605/2.4620	0.7090
4		SH-997		2.2824/2.2835	0.0010/0.0056	0.0780	2.4405/2.4420	0.7100
Piston Pin Bushing(6)	C-1	223-3627	STD			0.0635	1.7250/1.7255	1.2750
NOTE: Requires Boring								
C/S Forging 1A, 1AA, 188A, 202B, 2MAE, 2 MAE, 1805420C1, 1809954C1, 1816975C1, 1812320C91								
Connecting Rod 80 Lbs.Ft. Main Bearing 115 Lbs.Ft.								
22	361 CID (5.9L) D361 International Diesel 6 Cyl				4.125in./104.8mm x 4.500in./114.3mm			22
	361 CID (5.9L) DT361 International Turbocharged Diesel 6 Cyl				4.125in./104.8mm x 4.500in./114.3mm			
	407 CID (6.7L) D407 International Diesel 6 Cyl				4.321in./109.7mm x 4.625in./117.5mm			
	407 CID (6.7L) DT407 International Turbocharged Diesel 6 Cyl				4.321in./109.7mm x 4.625in./117.5mm			
	407 CID (6.7L) UDT407 International 6 Cyl				4.321in./109.7mm x 4.625in./117.5mm			
Rod Bearing(6)	TM-112	CB-675P	STD,10,20,30,40	2.9977/2.9990	0.0023/0.0056	0.0996	3.2000/3.2010	1.2000
Main Bearing Set	TM-112	MS-684P	STD,10					
1		MB-2232P		3.3742/3.3755	0.0021/0.0054	0.1556	3.6885/3.6895	1.2740
2-3-4-5-6		MB-2233P		3.3742/3.3755	0.0021/0.0054	0.1556	3.6885/3.6895	1.3550
7		MB-2234P(F)		3.3742/3.3755	0.0021/0.0054	0.1556	3.6885/3.6895	2.3600
Cam Bearing Set	B-1	SH-538S	STD					
1		SH-538		2.4290/2.4300	0.0010/0.0055	0.0645	2.5600/2.5615	1.1350
2		SH-220		2.0890/2.0900	0.0005/0.0050	0.0648	2.2200/2.2215	1.0720
3		SH-539		2.0690/2.0700	0.0010/0.0055	0.0645	2.2000/2.2015	1.0700
4		SH-222		1.4995/1.5005	0.0005/0.0050	0.0648	1.6305/1.6320	1.5410
Piston Pin Bushing(6)	C-1	223-3625	STD			0.0595	1.6045/1.6050	1.4050
NOTE: Engines With 1.500" Piston Pin Diameter, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3626	STD			0.0595	1.7250/1.7255	1.4050
NOTE: Engines With 1.625" Piston Pin Diameter, Requires Boring								
Connecting Rod 100 To 110 Lbs.Ft. Main Bearing 110 To 120 Lbs.Ft.								
23	372 CID (6.1L) RD372 International 6 Cyl				4.375in./111.1mm x 4.125in./104.8mm			23
	372 CID (6.1L) RD372 International LPG 6 Cyl				4.375in./111.1mm x 4.125in./104.8mm			
	406 CID (6.7L) RD406 International 6 Cyl				4.375in./111.1mm x 4.500in./114.3mm			
	451 CID (7.4L) RD450 International 6 Cyl				4.375in./111.1mm x 5.000in./127mm			
	501 CID (8.2L) RD501 International 6 Cyl				4.500in./114.3mm x 5.250in./133.4mm			
Rod Bearing(6)	TM-112	CB-266P	STD,10,20,30,40,C60	2.7510/2.7520	0.0022/0.0047	0.0722	2.8980/2.8985	1.3800
Cam Bearing Set	B-1	SH-493S	STD					
1		SH-493		2.1090/2.1100	0.0005/0.0050	0.0648	2.2400/2.2415	1.1350
2		SH-220		2.0890/2.0900	0.0005/0.0050	0.0648	2.2200/2.2215	1.0720
3		SH-221		2.0690/2.0700	0.0005/0.0050	0.0648	2.2000/2.2015	1.0720
4		SH-222		1.4995/1.5005	0.0005/0.0050	0.0648	1.6305/1.6320	1.5410
Piston Pin Bushing(6)	C-1	223-3461	STD			0.6050	1.2175/1.2190	1.5410
NOTE: Requires Light Reaming								
Rod Forging 118701H, 118701HA C/S Forging 118528H, 118530H, 83917R1, 83917R2, 83917R3, 93917R1, 93917R3, 131850R1, 837719R1								
Connecting Rod 75 To 85 Lbs.Ft. Main Bearing 100 To 110 Lbs.Ft.								



INTERNATIONAL TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
24	414 CID (6.8L) D414 International Diesel 6 Cyl			4.300in./109.2mm x 4.750in./120.7mm				24
	414 CID (6.8L) DT414B,DT414 International Turbocharged Diesel 6 Cyl			4.300in./109.2mm x 4.750in./120.7mm				
	436 CID (7.1L) D436 International Diesel 6 Cyl			4.300in./109.2mm x 5.000in./127mm				
	436 CID (7.1L) DT436B,DT436 International Turbocharged Diesel 6 Cyl			4.300in./109.2mm x 5.000in./127mm				
	466 CID (7.6L) D466 International Diesel 6 Cyl			4.300in./109.2mm x 5.350in./135.9mm				
466 CID (7.6L) DT466B,DT466,DTI466B International Turbocharged Diesel 6 Cyl			4.300in./109.2mm x 5.350in./135.9mm					
Rod Bearing(6)	TM-112	CB-675P	STD,10,20,30,40	2.9977/2.9990	0.0023/0.0056	0.0996	3.2000/3.2010	1.2000
Main Bearing Set	TM-112	MS-1343P	STD,10,20,30					
1-2-3-4-5-6		MB-2628P		3.3742/3.3755	0.0021/0.0051	0.1556	3.6885/3.6895	1.2250
7		MB-2629P(F)		3.3742/3.3755	0.0021/0.0051	0.1556	3.6885/3.6895	1.7770
NOTE: .030" Undersize Set Contains .012" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-994S	STD					
1		SH-994		2.2824/2.2835	0.0010/0.0056	0.1080	2.5005/2.5020	1.0100
2		SH-995		2.2824/2.2835	0.0010/0.0056	0.0980	2.4805/2.4820	0.7090
3		SH-996		2.2824/2.2835	0.0010/0.0056	0.0880	2.4605/2.4620	0.7090
4		SH-997		2.2824/2.2835	0.0010/0.0056	0.0780	2.4405/2.4420	0.7100
Piston Pin Bushing(6)	C-1	223-3595	STD			0.0635	1.7250/1.7255	1.4000
NOTE: Requires Boring								
25	429 CID (7.0L) D429 International Diesel 6 Cyl			4.500in./114.3mm x 4.500in./114.3mm				25
	429 CID (7.0L) DT429 International Turbocharged Diesel 6 Cyl			4.500in./114.3mm x 4.500in./114.3mm				
Rod Bearing(6)	TM-112	CB-685P	STD,10,20,30	2.9972/2.9982	0.0023/0.0056	0.0996	3.2000/3.2010	1.3510
Connecting Rod	120 To 130 Lbs.Ft.							
Main Bearing	275 To 300 Lbs.Ft.							
26	502 CID (8.2L) D502 International Diesel 6 Cyl			4.406in./112mm x 5.500in./139.7mm				26
	525 CID (8.6L) D525 International Diesel 6 Cyl			4.500in./114.3mm x 5.500in./139.7mm				
	554 CID (9.1L) D554 International Diesel 6 Cyl			4.625in./117.5mm x 5.500in./139.7mm				
Rod Bearing(6)	TM-112	CB-622P	STD,10,20,30	2.7475/2.7485	0.0024/0.0054	0.0748	2.9000/2.9010	2.0200
C/S Forging	20068R2, 252576R1, 252576R2, 260068R1, 260068R2							
Connecting Rod	55 To 60 Lbs.Ft.							
Main Bearing	100 To 120 Lbs.Ft.							
27	691 CID (11.3L) D691 International Diesel 6 Cyl			4.750in./120.7mm x 6.500in./165.1mm				27
	691 CID (11.3L) DT691 International Turbocharged Diesel 6 Cyl			4.750in./120.7mm x 6.500in./165.1mm				
Rod Bearing(6)	TM-112	CB-632P	STD	3.2475/3.2485	0.0030/0.0060	0.1245	3.5000/3.5010	1.8250
C/S Forging	32305, 32288D, 32288DB, 263126R1, 263126R2, 318175R11							
Connecting Rod	70 To 75 Lbs.Ft.							
28	817 CID (13.4L) D817 International Diesel 6 Cyl			5.375in./136.5mm x 6.000in./152.4mm				28
	817 CID (13.4L) DT817,DTI817B,DTI817C,DTI817 International Turbocharged Diesel 6 Cyl			5.375in./136.5mm x 6.000in./152.4mm				
Rod Bearing(6)	TM-112	CB-590P	STD,10,20,30	3.4965/3.4975	0.0045/0.0075	0.1250	3.7520/3.7530	1.7800
Piston Pin Bushing(6)	C-1	223-3630	STD			0.0740	2.3756/2.3762	1.8000
NOTE: Requires Boring								
Rod Forging	277103R11							
C/S Forging	277100R11							
Connecting Rod	145 To 155 Lbs.Ft.							
Main Bearing	225 To 245 Lbs.Ft.							
8 CYL								
29	345 CID (5.6L) V345 International V8 Cyl			3.875in./98.4mm x 3.656in./92.9mm				29
Rod Bearing(8)	TM-112	CB-581P	STD,1,2,10,20,30,40,C60	2.3730/2.3740	0.0016/0.0041	0.0622	2.4995/2.5000	0.9780
Main Bearing Set	TM-112	MS-516P	STD,10,20,30,40					
1-2-4-5		MB-1997P		2.7484/2.7494	0.0009/0.0039	0.0955	2.9410/2.9420	0.7260
3		MB-1998P(F)		2.7484/2.7494	0.0013/0.0043	0.0953	2.9410/2.9420	1.0550



INTERNATIONAL TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
29 (Cont.)	345 CID (5.6L) V345 International V8 Cyl			3.875in./98.4mm x 3.656in./92.9mm				29 (Cont.)
Cam Bearing Set	B-1	SH-426S	STD					
1		SH-426		2.0990/2.1000	0.0010/0.0050	0.0648	2.2305/2.2320	0.7200
2		SH-427		2.0890/2.0900	0.0010/0.0050	0.0648	2.2205/2.2220	0.6550
3		SH-428		2.0790/2.0800	0.0010/0.0050	0.0648	2.2105/2.2120	0.6550
4		SH-429		2.0690/2.0700	0.0010/0.0050	0.0648	2.2005/2.2020	0.6550
5		SH-430		2.0590/2.0600	0.0010/0.0050	0.0648	2.1905/2.1920	0.7600
30	401 CID (6.6L) V401 International V8 Cyl			4.125in./104.8mm x 3.750in./95.3mm				30
	461 CID (7.6L) V461 International V8 Cyl			4.125in./104.8mm x 4.313in./109.6mm				
	549 CID (9.0L) V549 International V8 Cyl			4.500in./114.3mm x 4.313in./109.6mm				
Rod Bearing(8)	TM-112	CB-473P	STD,10,20,30	2.6230/2.6240	0.0016/0.0041	0.0752	2.7755/2.7760	1.1650
Main Bearing Set	TM-112	MS-828P	STD					
1-2-4-5		MB-2401P		3.1240/3.1250	0.0011/0.0041	0.0951	3.3160/3.3170	0.8500
3		MB-2402P(F)		3.1240/3.1250	0.0011/0.0041	0.0951	3.3160/3.3170	1.1940
NOTE: From Engine Serial Number 64556								
Cam Bearing Set	B-1	SH-681S	STD					
1		SH-681		2.3460/2.3470	0.0020/0.0065	0.0625	2.4740/2.4755	1.1970
2		SH-351		2.3160/2.3170	0.0005/0.0050	0.0628	2.4430/2.4445	1.0100
3		SH-352		2.2900/2.2910	0.0005/0.0050	0.0615	2.4145/2.4160	1.0100
4		SH-682		2.2460/2.2470	0.0020/0.0065	0.0625	2.3740/2.3755	1.0100
Rod Forging	133512R3, 133521R3, 133524R3							
C/S Forging	82856, 852856, 118530H, 118530R1, 123441R3, 131440R3, 133440R1, 133440R3, 133441R1, 133441R3, 133894R1, 133894R3, 133894R4, 242880R91, 242881R91, 242882R91, 289878C91, 296733C91							
Connecting Rod	60 To 70 Lbs.Ft.							
Main Bearing	100 To 110 Lbs.Ft.							
31	573 CID (9.4L) DT573,DVT573B,DVT573,DVTI573B International Turbocharged Diesel V8 Cyl			4.500in./114.3mm x 4.500in./114.3mm				31
	798 CID (13.1L) DV800 International Diesel V8 Cyl			5.313in./135mm x 4.500in./114.3mm				
	798 CID (13.1L) DVT800,V800 International Turbocharged Diesel V8 Cyl			5.313in./135mm x 4.500in./114.3mm				
Rod Bearing(8)	TM-112	CB-685P	STD,10,20,30	2.9972/2.9982	0.0023/0.0056	0.0996	3.2000/3.2010	1.3510
Main Bearing Set	TM-112	MS-1388P	STD,10					
1-2-3-4		MB-2690P		3.7477/3.7490	0.0029/0.0062	0.1552	4.0620/4.0630	1.4150
5		MB-2691P(F)		3.7477/3.7490	0.0029/0.0062	0.1552	4.0620/4.0630	1.9000
Cam Bearing Set	C-1	SH-543S	STD					
1-2-3-4-5		SH-543		2.3470/2.3480	0.0010/0.0055	0.0625	2.4740/2.4755	1.0100
Connecting Rod	120 To 130 Lbs.Ft.							
Main Bearing	275 To 300 Lbs.Ft.							
3 CYL								
32	155 CID (2.5L) D155 International Diesel 3 Cyl			3.875in./98.4mm x 4.375in./111.1mm				32
	179 CID (2.9L) D179 International Diesel 3 Cyl			3.875in./98.4mm x 5.063in./128.6mm				
Rod Bearing(3)	TM-112	CB-1044P	STD,.25mm,.50mm,.75mm	2.5185/2.5193	0.0024/0.0046	0.0778	2.6771/2.6779	1.2640
NOTE: Locating Lug On Right Side,Thru 2/75								
Rod Bearing(3)	TM-112	CB-1193P	STD,.25mm,.50mm	2.5185/2.5193	0.0024/0.0046	0.0778	2.6771/2.6779	1.1810
NOTE: From 2/75,Locating Lug On Left Side								
Main Bearing Set	TM-112	MS-1197P	STD,.25mm,.50mm					
1-2-3		MB-741P		3.1485/3.1492	0.0026/0.0052	0.1170	3.3858/3.3867	1.0160
4		MB-742P(F)		3.1485/3.1492	0.0026/0.0052	0.1170	3.3858/3.3867	1.4370
NOTE: .25mm Undersize Set Contains .25mm Oversize Length Flanged Bearing,.50mm Undersize Set Contains .50mm Oversize Length Flanged Bearing								
Connecting Rod	18-1/2 Lbs.Ft. Plus 120 Degrees							
4 CYL								
33	144 CID (2.4L) BC144,BD144 International Diesel 4 Cyl			3.375in./85.7mm x 4.000in./101.6mm				33
	154 CID (2.5L) BD154 International Diesel 4 Cyl			3.500in./88.9mm x 4.000in./101.6mm				
Rod Bearing(4)	TM-112	CB-647P	STD,10,20,30	1.7490/1.7500	0.0018/0.0043	0.0621	1.8755/1.8760	1.0740
Main Bearing Set	TM-112	MS-614P	STD,10,20					
1-2-3-4		MB-2154P		2.1240/2.1250	0.0014/0.0044	0.0852	2.2965/2.2975	1.0720
5		MB-2155P(F)		2.1240/2.1250	0.0014/0.0044	0.0852	2.2965/2.2975	1.3100



INTERNATIONAL TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
33 (Cont.)	144 CID (2.4L) BC144,BD144 International Diesel 4 Cyl 154 CID (2.5L) BD154 International Diesel 4 Cyl			3.375in./85.7mm x 4.000in./101.6mm 3.500in./88.9mm x 4.000in./101.6mm				33 (Cont.)
Cam Bearing Set 1 2 3	B-1	SH-507S SH-507 SH-508 SH-509	STD	1.8110/1.8120 1.5770/1.5780 1.4990/1.5000	0.0010/0.0060 0.0010/0.0060 0.0010/0.0060	0.0643 0.0643 0.0643	1.9420/1.9440 1.7075/1.7090 1.6295/1.6310	1.1040 1.0100 0.7910
Connecting Rod Main Bearing	30 To 35 Lbs.Ft. 70 To 75 Lbs.Ft.							
34	146 CID (2.4L) C146 International Flex 4 Cyl 153 CID (2.5L) C153 International Flex 4 Cyl			3.375in./85.7mm x 4.063in./103.2mm 3.375in./85.7mm x 4.250in./108mm				34
Rod Bearing(4)	TM-112	CB-533P	STD,10,20,30	2.0590/2.0600	0.0014/0.0039	0.0628	2.1865/2.1870	1.0670
Main Bearing Set 1-2 3	TM-112	MS-665P MB-2213P MB-2214P(F)	STD,10,20	2.6235/2.6245 2.6235/2.6245	0.0012/0.0042 0.0012/0.0042	0.0953 0.0953	2.8160/2.8170 2.8160/2.8170	1.2550 1.6260
C/S Forging	367747R1							
Connecting Rod Main Bearing	43 To 49 Lbs.Ft. 75 To 80 Lbs.Ft.							
35	157 CID (2.6L) C157 International 4 Cyl			3.375in./85.7mm x 4.391in./111.5mm				35
Rod Bearing(4)	TM-112	CB-533P	STD,10,20,30	2.0590/2.0600	0.0014/0.0039	0.0628	2.1865/2.1870	1.0670
Main Bearing Set 1 2 3	TM-112	MS-983P MB-1909P MB-2231P(F) MB-1912P	STD,10,20	2.7480/2.7490 2.7480/2.7490 2.7480/2.7490	0.0015/0.0045 0.0015/0.0045 0.0015/0.0045	0.0954 0.0954 0.0954	2.9410/2.9420 2.9410/2.9420 2.9410/2.9420	1.2480 1.5100 1.8430
36	166 CID (2.7L) D166 International Diesel 4 Cyl 188 CID (3.1L) D188 International Diesel 4 Cyl			3.688in./93.7mm x 3.875in./98.4mm 3.688in./93.7mm x 4.391in./111.5mm				36
Rod Bearing(4)	TM-112	CB-550P	STD,1,2,10,20,30	2.3730/2.3740	0.0014/0.0039	0.0623	2.4995/2.5000	1.0030
Main Bearing Set 1 2 3	TM-112	MS-562P MB-1910P MB-1911P(F) MB-1909P	STD,10,20	2.7480/2.7490 2.7480/2.7490 2.7480/2.7490	0.0015/0.0045 0.0015/0.0045 0.0015/0.0045	0.0954 0.0954 0.0954	2.9410/2.9420 2.9410/2.9420 2.9410/2.9420	1.0860 1.5100 1.2480
Cam Bearing Set 1 2 3	B-1	SH-558S SH-493 SH-220 SH-455	STD	2.1090/2.1100 2.0890/2.0900 2.0690/2.0700	0.0005/0.0050 0.0005/0.0050 0.0005/0.0050	0.0648 0.0648 0.0648	2.2400/2.2415 2.2200/2.2215 2.2000/2.2015	1.1350 1.0720 1.0720
Piston Pin Bushing(4)	C-1	223-3566	STD	0.0660 1.2500/1.2505 1.3220				
NOTE: Requires Boring								
Rod Forging C/S Forging	V45, 61349H, G-11176, G-11723, 306280R1 A-39151, G-11741, 318264R1, 308397R31, 375601R11							
Connecting Rod Main Bearing	45 To 55 Lbs.Ft. 75 To 85 Lbs.Ft.							
37	206 CID (3.4L) D206 International 4 Cyl 239 CID (3.9L) D239 International Diesel 4 Cyl 239 CID (3.9L) DT239 International Turbocharged Diesel 4 Cyl			3.875in./98.4mm x 4.375in./111.1mm 3.875in./98.4mm x 5.063in./128.6mm 3.875in./98.4mm x 5.063in./128.6mm				37
Rod Bearing(4) NOTE: Locating Lug On Right Side,Thru 2/75	TM-112	CB-1044P	STD,.25mm,.50mm,.75mm	2.5185/2.5193	0.0024/0.0046	0.0778	2.6771/2.6779	1.2640
Rod Bearing(4) NOTE: From 2/75,Locating Lug On Left Side	TM-112	CB-1193P	STD,.25mm,.50mm	2.5185/2.5193	0.0024/0.0046	0.0778	2.6771/2.6779	1.1810
Main Bearing Set 1-2-3-4 5 NOTE: .25mm Undersize Set Contains .25mm Oversize Length Flanged Bearing,.50mm Undersize Set Contains .50mm Oversize Length Flanged Bearing	TM-112	MS-1198P MB-741P MB-742P(F)	STD,.25mm,.50mm	3.1485/3.1492 3.1485/3.1492	0.0026/0.0052 0.0026/0.0052	0.1170 0.1170	3.3858/3.3867 3.3858/3.3867	1.0160 1.4370
6 CYL								
38	220 CID (3.6L) BD220 International 6 Cyl (1957-1962) 240 CID (3.9L) BD240 International 6 Cyl (1956-1962) 264 CID (4.3L) BD264 International 6 Cyl (1960)			3.563in./90.5mm x 3.688in./93.7mm 3.563in./90.5mm x 4.016in./102mm 3.688in./93.7mm x 4.125in./104.8mm				38
Piston Pin Bushing(6) NOTE: Requires Light Reaming	B	223-3469	STD	0.0330 0.9305/0.9315 1.2650				



INTERNATIONAL TRACTOR (Cont.)										
COUNTER DATA				SHOP DATA						
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length		
6 CYL (Cont.)										
38 (Cont.)	220 CID (3.6L) BD220 International 6 Cyl (1957-1962)				3.563in./90.5mm x 3.688in./93.7mm			38 (Cont.)		
	240 CID (3.9L) BD240 International 6 Cyl (1956-1962)				3.563in./90.5mm x 4.016in./102mm					
	264 CID (4.3L) BD264 International 6 Cyl (1960)				3.688in./93.7mm x 4.125in./104.8mm					
Rod Forging	70009R1, 70009R2									
C/S Forging	70115R1, 70115R3, 70118R1, 141779R1, 141780R1, 166088R1									
Connecting Rod	45 To 55 Lbs.Ft.									
Main Bearing	75 To 85 Lbs.Ft.									
39	233 CID (3.8L) GRD233 International 6 Cyl				3.312in./84.1mm x 4.500in./114.3mm			39		
Cam Bearing Set	B-1	SH-69S SH-69	STD	2.1855/2.1860	0.0010/0.0040	0.0640	2.3165/2.3175	1.1350		
NOTE: Contains 1 Bearing, Order As Required										
40	310 CID (5.1L) D310 International Diesel 6 Cyl				3.875in./98.4mm x 3.563in./90.5mm			40		
	358 CID (5.9L) D358 International Diesel 6 Cyl				3.875in./98.4mm x 5.063in./128.6mm					
	358 CID (5.9L) DT358 International Turbocharged Diesel 6 Cyl				3.875in./98.4mm x 5.063in./128.6mm					
Rod Bearing(6)	TM-112	CB-1044P	STD,.25mm,.50mm,.75mm	2.5185/2.5193	0.0024/0.0046	0.0778	2.6771/2.6779	1.2640		
NOTE: Locating Lug On Right Side,Thru 2/75										
Rod Bearing(6)	TM-112	CB-1193P	STD,.25mm,.50mm	2.5185/2.5193	0.0024/0.0046	0.0778	2.6771/2.6779	1.1810		
NOTE: From 2/75,Locating Lug On Left Side										
Main Bearing Set	TM-112	MS-1199P	STD,.25mm,.50mm	3.1485/3.1492	0.0026/0.0052	0.1170	3.3858/3.3867	1.0160		
1-2-3-4-5-6		MB-741P								
7		MB-742P(F)								
NOTE: .25mm Undersize Set Contains .25mm Oversize Length Flanged Bearing,.50mm Undersize Set Contains .50mm Oversize Length Flanged Bearing										
41	361 CID (5.9L) D361 International Diesel 6 Cyl				4.125in./104.8mm x 4.500in./114.3mm			41		
	361 CID (5.9L) DT361 International Turbocharged Diesel 6 Cyl				4.125in./104.8mm x 4.500in./114.3mm					
Rod Bearing(6)	TM-112	CB-675P	STD,10,20,30,40	2.9977/2.9990	0.0023/0.0056	0.0996	3.2000/3.2010	1.2000		
Main Bearing Set	TM-112	MS-684P	STD,10	3.3742/3.3755	0.0021/0.0054	0.1556	3.6885/3.6895	1.2740		
1		MB-2232P								
2-3-4-5-6		MB-2233P								
7		MB-2234P(F)		3.3742/3.3755	0.0021/0.0054	0.1556	3.6885/3.6895	1.3550		
Cam Bearing Set	B-1	SH-538S	STD	2.4290/2.4300	0.0010/0.0055	0.0645	2.5600/2.5615	1.1350		
1		SH-538								
2		SH-220								
3		SH-539		2.0690/2.0700	0.0010/0.0055	0.0645	2.2000/2.2015	1.0700		
4		SH-222		1.4995/1.5005	0.0005/0.0050	0.0648	1.6305/1.6320	1.5410		
Piston Pin Bushing(6)	C-1	223-3625	STD				0.0595	1.6045/1.6050		
NOTE: Engines With 1.500" Piston Pin Diameter, Requires Boring										
Connecting Rod	100 To 110 Lbs.Ft.									
Main Bearing	110 To 120 Lbs.Ft.									
42	407 CID (6.7L) D407 International Diesel 6 Cyl				4.321in./109.7mm x 4.625in./117.5mm			42		
	407 CID (6.7L) DT407 International Turbocharged Diesel 6 Cyl				4.321in./109.7mm x 4.625in./117.5mm					
Rod Bearing(6)	TM-112	CB-675P	STD,10,20,30,40	2.9977/2.9990	0.0023/0.0056	0.0996	3.2000/3.2010	1.2000		
Main Bearing Set	TM-112	MS-684P	STD,10	3.3742/3.3755	0.0021/0.0054	0.1556	3.6885/3.6895	1.2740		
1		MB-2232P								
2-3-4-5-6		MB-2233P								
7		MB-2234P(F)		3.3742/3.3755	0.0021/0.0054	0.1556	3.6885/3.6895	1.3550		
Cam Bearing Set	B-1	SH-538S	STD	2.4290/2.4300	0.0010/0.0055	0.0645	2.5600/2.5615	1.1350		
1		SH-538								
2		SH-220								
3		SH-539		2.0690/2.0700	0.0010/0.0055	0.0645	2.2000/2.2015	1.0700		
4		SH-222		1.4995/1.5005	0.0005/0.0050	0.0648	1.6305/1.6320	1.5410		
Piston Pin Bushing(6)	C-1	223-3626	STD				0.0595	1.7250/1.7255		
NOTE: Engines With 1.625" Piston Pin Diameter, Requires Boring										
Connecting Rod	100 To 110 Lbs.Ft.									
Main Bearing	110 To 120 Lbs.Ft.									
43	414 CID (6.8L) D414 International Diesel 6 Cyl				4.300in./109.2mm x 4.750in./120.7mm			43		
	466 CID (7.6L) D466 International Diesel 6 Cyl				4.300in./109.2mm x 5.350in./135.9mm					
Rod Bearing(6)	TM-112	CB-675P	STD,10,20,30,40	2.9977/2.9990	0.0023/0.0056	0.0996	3.2000/3.2010	1.2000		



INTERNATIONAL TRACTOR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
43 (Cont.)	414 CID (6.8L) D414 International Diesel 6 Cyl			4.300in./109.2mm x 4.750in./120.7mm				43 (Cont.)
	466 CID (7.6L) D466 International Diesel 6 Cyl			4.300in./109.2mm x 5.350in./135.9mm				
Main Bearing Set 1-2-3-4-5-6 7	TM-112	MS-1343P MB-2628P MB-2629P(F)	STD,10,20,30	3.3742/3.3755 3.3742/3.3755	0.0021/0.0051 0.0021/0.0051	0.1556 0.1556	3.6885/3.6895 3.6885/3.6895	1.2250 1.7770
NOTE: .030" Undersize Set Contains .012" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3 4	B-1	SH-994S SH-994 SH-995 SH-996 SH-997	STD	2.2824/2.2835 2.2824/2.2835 2.2824/2.2835 2.2824/2.2835	0.0010/0.0056 0.0010/0.0056 0.0010/0.0056 0.0010/0.0056	0.1080 0.0980 0.0880 0.0780	2.5005/2.5020 2.4805/2.4820 2.4605/2.4620 2.4405/2.4420	1.0100 0.7090 0.7090 0.7100
44	466 CID (7.6L) DT466C,DTA466C,DTI466C International Turbocharged Diesel 6 Cyl			4.300in./109.2mm x 5.350in./135.9mm				44
Rod Bearing(6) NOTE: Thru Engine Serial Number 440035	TM-112	CB-675P	STD,10,20,30,40	2.9977/2.9990	0.0023/0.0056	0.0996	3.2000/3.2010	1.2000
Rod Bearing(6) NOTE: From Engine Serial Number 440036	TM-112	CB-1365P	STD,10,20,30	2.9977/2.9990	0.0023/0.0056	0.0996	3.2000/3.2010	1.2600
Main Bearing Set 1-2-3-4-5-6 7	TM-112	MS-1343P MB-2628P MB-2629P(F)	STD,10,20,30	3.3742/3.3755 3.3742/3.3755	0.0021/0.0051 0.0021/0.0051	0.1556 0.1556	3.6885/3.6895 3.6885/3.6895	1.2250 1.7770
NOTE: Thru Engine Serial Number 440035, .030" Undersize Set Contains .012" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4-5-6 7	TM-112	MS-1642P MB-3009P MB-2629P(F)	STD,10,20,30	3.3742/3.3755 3.3742/3.3755	0.0021/0.0051 0.0021/0.0051	0.1556 0.1556	3.6885/3.6895 3.6885/3.6895	1.2290 1.7770
NOTE: From Engine Serial Number 440036, .030" Undersize Set Contains .012" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3 4	B-1	SH-994S SH-994 SH-995 SH-996 SH-997	STD	2.2824/2.2835 2.2824/2.2835 2.2824/2.2835 2.2824/2.2835	0.0010/0.0056 0.0010/0.0056 0.0010/0.0056 0.0010/0.0056	0.1080 0.0980 0.0880 0.0780	2.5005/2.5020 2.4805/2.4820 2.4605/2.4620 2.4405/2.4420	1.0100 0.7090 0.7090 0.7100
Piston Pin Bushing(6) NOTE: Requires Boring	C-1	223-3595	STD			0.0635	1.7250/1.7255	1.4000
45	743 CID (12.2L) HR600 Cummins Diesel 6 Cyl			6.125in./155.6mm x 6.000in./152.4mm				45
	743 CID (12.2L) NH600 Cummins Diesel 6 Cyl			5.125in./130.2mm x 6.000in./152.4mm				
Piston Pin Bushing(6) NOTE: Requires Boring	C-1	223-3545	STD			0.1400	2.2500/2.2500	2.2100
46	817 CID (13.4L) DTI817B International Turbocharged Diesel 6 Cyl			5.375in./136.5mm x 6.000in./152.4mm				46
Piston Pin Bushing(6) NOTE: Requires Boring	C-1	223-3630	STD			0.0740	2.3756/2.3762	1.8000
Rod Forging C/S Forging	277103R11 277100R11							
Connecting Rod Main Bearing	145 To 155 Lbs.Ft. 225 To 245 Lbs.Ft.							



ISUZU							
ENGINE DATA							
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				4 CYL (Cont.)			
1471CC (1.5L) 4XC1 SOHC	1985-1989	3.031in./77mmX3.110in./79mm	1	3268CC (3.3L) 4BC1 Diesel	1979-1984	4.016in./102mmX3.937in./100mm	19
1471CC (1.5L) 4XC1-T SOHC Turbo	1987-1989	3.031in./77mmX3.110in./79mm	1	3595CC (3.6L) 4BB1 Diesel	1973-1990	4.016in./102mmX4.331in./110mm	18
1588CC (1.6L) 4XE1 (RLR) SOHC 12 Valve	1991-1993	3.150in./80mmX3.110in./79mm	2	3856CC (3.9L) 4BD1 OHV Diesel	1985-1990	4.016in./102mmX4.646in./118mm	20
1588CC (1.6L) 4XE1W DOHC	1989-1991	3.150in./80mmX3.110in./79mm	3	3856CC (3.9L) 4BD1T OHV Turbocharged Diesel	1986-1991	4.016in./102mmX4.646in./118mm	20
1588CC (1.6L) 4XE1WT DOHC Turbo	1991-1992	3.150in./80mmX3.110in./79mm	2	3856CC (3.9L) 4BD2TC OHV Turbocharged/ Intercooled Diesel	1992-1999	4.016in./102mmX4.646in./118mm	20
1809CC (1.8L) 4XF1 DOHC (RLX)	1992-1993	3.150in./80mmX3.543in./90mm	4	5 CYL			
1817CC (1.8L) 4FB1 SOHC Diesel	1981-1984	3.307in./84mmX3.228in./82mm	5	211 CID (3.5L) L52 Vortec	2006-2007	3.661in./93mmX4.016in./102mm	21
1817CC (1.8L) G180Z SOHC	1981-1985	3.307in./84mmX3.228in./82mm	6	3500 DOHC 20 Valve Chevrolet			
1949CC (1.9L) G200Z SOHC	1983-1987	3.425in./87mmX3.228in./82mm	7	6 CYL			
119 CID/1951CC (2.0L) C190 Diesel	1981-1984	3.385in./86mmX3.307in./84mm	9	2827CC (2.8L) LL2 Chevrolet	1989-1991	3.500in./88.9mmX2.992in./76mm	22
1991CC (2.0L) C201PT Diesel		3.268in./83mmX3.622in./92mm	10	3137CC (3.1L) CPC (LG6) Chevrolet	1991-1994	3.504in./89mmX3.307in./84mm	22
1994CC (2.0L) 4ZC1 SOHC Turbo	1985-1989	3.465in./88mmX3.228in./82mm	8	3165CC (3.2L) DOHC 6VD1	1992-2002	3.677in./93.4mmX3.031in./77mm	23
134 CID (2.2L) OHV Chevrolet	1996-2000	3.504in./89mmX3.465in./88mm	12	3165CC (3.2L) SOHC ISZ (6VD1)	1992-1997	3.677in./93.4mmX3.031in./77mm	23
2238CC (2.2L) C223 OHV Diesel	1981-1987	3.465in./88mmX3.622in./92mm	9	3494CC (3.5L) 6VE1 DOHC	1998-2002	3.677in./93.4mmX3.346in./85mm	23
2238CC (2.2L) C223T OHV Turbo	1986-1987	3.465in./88mmX3.622in./92mm	13	254 CID (4.2L) LL8 Vortec	2003-2007	3.661in./93mmX4.016in./102mm	24
2254CC (2.3L) 4ZD1 SOHC	1986-1995	3.516in./89.3mmX3.543in./90mm	8	4200 DOHC 24 Valve Chevrolet			
144 CID/2369CC (2.4L) C240 Diesel	1969-1985	3.386in./86mmX4.016in./102mm	11	262 CID (4.3L) Vortec	1997-2000	4.000in./101.6mmX3.484in./88.5mm	25
2499CC (2.5L) 4JA1 Diesel	1985-1990	3.661in./93mmX3.622in./92mm	14	4300 Chevrolet			
2559CC (2.6L) 4ZE1 SOHC	1988-1997	3.646in./92.6mmX3.736in./95mm	15	5393CC (5.4L) 6BB1 Diesel	1972-1990	4.016in./102mmX4.331in./110mm	26
169 CID (2.8L) LK5 Vortec	2006	3.661in./93mmX4.016in./102mm	16	5785CC (5.8L) 6BD1 Diesel	1977-1990	4.016in./102mmX4.646in./118mm	27
2800 DOHC 16 Valve Chevrolet				6130CC (6.1L) 6BF1 Diesel	1980-1990	4.016in./102mmX4.724in./120mm	27
2771CC (2.8L) 4JB1 Diesel	1985-1990	3.661in./93mmX3.622in./92mm	17	8 CYL			
2775CC (2.8L) 4BA1 Diesel	1973-1990	3.858in./98mmX3.622in./92mm	18	325 CID (5.3L) Vortec	2003-2004	3.780in./96mmX3.622in./92mm	28
				5300 Chevrolet			
				350 CID (5.7L) Fuel Injected Chevrolet	1993-2002	4.000in./101.6mmX3.484in./88.5mm	29
				365 CID (6.0L) Vortec	2004-2007	4.000in./101.6mmX3.622in./92mm	30
				6000 Chevrolet			
MODEL DATA							
Model	Engine	Years	Block	Model	Engine	Years	Block
	119 CID/1951CC (2.0L) C190 Diesel	1981-1984	9	Ascender	325 CID (5.3L) Vortec 5300 Chevrolet	2003-2004	28
	144 CID/2369CC (2.4L) C240 Diesel	1969-1985	11	Axiom	3494CC (3.5L) 6VE1 DOHC	2002'	23
	2499CC (2.5L) 4JA1 Diesel	1985-1990	14	Hombre	134 CID (2.2L) OHV Chevrolet	1996-2000	12
	2771CC (2.8L) 4JB1 Diesel	1985-1990	17	Hombre	262 CID (4.3L) Vortec 4300 Chevrolet	1997-2000	25
	2775CC (2.8L) 4BA1 Diesel	1973-1990	18	I-280	169 CID (2.8L) LK5 Vortec 2800 DOHC 16 Valve Chevrolet	2006	16
	3268CC (3.3L) 4BC1 Diesel	1979-1984	19	I-350	211 CID (3.5L) L52 Vortec 3500 DOHC 20 Valve Chevrolet	2006	21
	3595CC (3.6L) 4BB1 Diesel	1973-1990	18	I-Mark	1471CC (1.5L) 4XC1 SOHC	1985-1989	1
	5393CC (5.4L) 6BB1 Diesel	1972-1990	26	I-Mark	1471CC (1.5L) 4XC1-T SOHC Turbo	1987-1989	1
	5785CC (5.8L) 6BD1 Diesel	1977-1990	27	I-Mark	1588CC (1.6L) 4XE1W DOHC	1989	3
	6130CC (6.1L) 6BF1 Diesel	1980-1990	27	I-Mark	1817CC (1.8L) 4FB1 SOHC Diesel	1981-1984	5
Amigo	2254CC (2.3L) 4ZD1 SOHC	1989-1993	8	I-Mark	1817CC (1.8L) G180Z SOHC	1981-1985	6
Amigo	2559CC (2.6L) 4ZE1 SOHC	1989-1994	15				
Amigo	3165CC (3.2L) DOHC 6VD1	1998-2000	23				
Ascender	254 CID (4.2L) LL8 Vortec 4200 DOHC 24 Valve Chevrolet	2003-2007	24				



ISUZU (Cont.)											
MODEL DATA (Cont.)											
Model	Engine	Years	Block	Model	Engine	Years	Block				
Impulse	1588CC (1.6L) 4XE1W DOHC	1990-1991	3	Rodeo	3165CC (3.2L) DOHC 6VD1	1998-2002	23				
Impulse	1588CC (1.6L) 4XE1WT DOHC Turbo	1991-1992	2	Rodeo	3165CC (3.2L) SOHC ISZ (6VD1)	1993-1997	23				
Impulse	1809CC (1.8L) 4XF1 DOHC (RLX)	1992	4	Rodeo Sport	3165CC (3.2L) DOHC 6VD1	2001-2002	23				
Impulse	1949CC (1.9L) G200Z SOHC	1983-1987	7	SB I	1991CC (2.0L) C201PT Diesel		10				
Impulse	1994CC (2.0L) 4ZC1 SOHC Turbo	1985-1989	8	SB ICDI/ESPt	1991CC (2.0L) C201PT Diesel		10				
Impulse	2254CC (2.3L) 4ZD1 SOHC	1987-1989	8	Stylus	1588CC (1.6L) 4XE1W DOHC	1991	3				
NPR	350 CID (5.7L) Fuel Injected Chevrolet	1993-2002	29	Stylus	1588CC (1.6L) 4XE1 (RLR) SOHC 12 Valve	1991-1993	2				
NPR	365 CID (6.0L) Vortec 6000 Chevrolet	2004-2007	30	Stylus	1809CC (1.8L) 4XF1 DOHC (RLX)	1992-1993	4				
NPR	3856CC (3.9L) 4BD1 OHV Diesel	1985-1990	20	Super GS1250	1991CC (2.0L) C201PT Diesel		10				
NPR	3856CC (3.9L) 4BD1T OHV Diesel	1986-1991	20	Super NWD	1991CC (2.0L) C201PT Diesel		10				
NPR	3856CC (3.9L) 4BD2TC OHV Diesel	1992-1999	20	Super NWD/ESPt	1991CC (2.0L) C201PT Diesel		10				
Pickup	1817CC (1.8L) G180Z SOHC	1981-1982	6	Super UWD	1991CC (2.0L) C201PT Diesel		10				
Pickup	1949CC (1.9L) G200Z SOHC	1983-1987	7	TWD	1991CC (2.0L) C201PT Diesel		10				
Pickup	2238CC (2.2L) C223 OHV Diesel	1981-1987	9	Trooper	3165CC (3.2L) DOHC 6VD1	1992-1995	23				
Pickup	2238CC (2.2L) C223T OHV Turbo Diesel	1986-1987	13	Trooper	3165CC (3.2L) SOHC ISZ (6VD1)	1992-1997	23				
Pickup	2254CC (2.3L) 4ZD1 SOHC	1986-1995	8	Trooper II	3494CC (3.5L) 6VE1 DOHC	1998-2002	23				
Pickup	2559CC (2.6L) 4ZE1 SOHC	1988-1995	15	Trooper II	1949CC (1.9L) G200Z SOHC	1984-1985	7				
Pickup	3137CC (3.1L) CPC (LG6) Chevrolet	1991-1994	22	Trooper II	2238CC (2.2L) C223T OHV Turbo Diesel	1986-1987	13				
QD130	5393CC (5.4L) 6BB1 Diesel	1972-1990	26	Trooper II	2254CC (2.3L) 4ZD1 SOHC	1986-1987	8				
Rodeo	2559CC (2.6L) 4ZE1 SOHC	1991-1997	15	Trooper II	2559CC (2.6L) 4ZE1 SOHC	1988-1991	15				
Rodeo	3137CC (3.1L) CPC (LG6) Chevrolet	1991-1992	22	Trooper II	2827CC (2.8L) LL2 Chevrolet	1989-1991	22				
				Vehi Cross	3494CC (3.5L) 6VE1 DOHC	1999-2001	23				
				XNWD	1991CC (2.0L) C201PT Diesel		10				
				XNWD/ESPt	1991CC (2.0L) C201PT Diesel		10				
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3892671	3.484in./88.5mm	29	3923282	3.484in./88.5mm	29	FM3066	3.622in./92mm	9	FM3234	3.622in./92mm	9
3916396	3.484in./88.5mm	29	3946841	3.484in./88.5mm	29	FM3066	3.622in./92mm	13	FM3234	3.622in./92mm	13
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
4G1	3.110in./79mm	1	4XCIU	3.110in./79mm	1	306275	3.484in./88.5mm	29	3941184	3.484in./88.5mm	29
4G61	3.110in./79mm	1	4XCU	3.110in./79mm	1	306276	3.484in./88.5mm	29	4568749	3.484in./88.5mm	29
4G-3	3.110in./79mm	1	4XCUT	3.110in./79mm	1	310514	3.484in./88.5mm	29	AY	3.622in./92mm	9
4K05	3.110in./79mm	1	4ZE1	3.110in./79mm	1	565524DYNA	3.110in./79mm	1	AY	3.622in./92mm	13
4K	3.110in./79mm	1	5 E	3.110in./79mm	1	3732444	3.484in./88.5mm	29	KN224	3.031in./77mm	23
4XC1-U	3.110in./79mm	1	508E-6303	3.110in./79mm	1	3832442	3.484in./88.5mm	29			
4XC-U	3.110in./79mm	1	1182	3.484in./88.5mm	29	3912335	3.484in./88.5mm	29			
4XC-UT	3.110in./79mm	1	2690	3.484in./88.5mm	29	3932444	3.484in./88.5mm	29			
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length			
4 CYL											
1	1471CC (1.5L) 4XC1 SOHC 4 Cyl (1985-1989)					3.031in./77mm x 3.110in./79mm					1
	1471CC (1.5L) 4XC1-T SOHC Turbo Turbocharged 4 Cyl (1987-1989)					3.031in./77mm x 3.110in./79mm					
Rod Bearing(4)	TM-1	CB-1478P	STD.,.25mm.,.50mm	1.5726/1.5734	0.0008/0.0025	0.0591	1.6922/1.6929	0.6690			
Main Bearing Set 1-2-3-4-5	AL-3	MS-1776AL MB-3150AL	STD.,.25mm.,.50mm.,.75mm	1.8873/1.8881	0.0008/0.0029	0.0787	2.0463/2.0472	0.6690			
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-453S											
Thrust Washer Set		TW-453S MB-3150W	STD	2.1654			2.7559	0.0870			
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1776AL											
C/S Forging	4K, 4G1, 5 E, 4G-3, 4G61, 4K05, 4XCU, 4ZE1, 4XC-U, 4XCIU, 4XCUT, 4XC-UT, 4XC1-U, 508E-6303, 565524DYNA										
Connecting Rod	24 To 27 Lbs.Ft.										
Main Bearing	61 To 69 Lbs.Ft.										



ISUZU (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
2	1588CC (1.6L) 4XE1 (RLR) SOHC 12 Valve 4 Cyl (1991-1993)			3.150in./80mm x 3.110in./79mm				2
	1588CC (1.6L) 4XE1WT DOHC Turbo Turbocharged 4 Cyl (1991-1992)			3.150in./80mm x 3.110in./79mm				
Rod Bearing(4)	TM-1	CB-1478P	STD,.25mm,.50mm	1.5726/1.5734	0.0008/0.0025	0.0591	1.6922/1.6929	0.6690
Thrust Washer Set		TW-595S MB-3481W	STD	2.3228			2.9016	0.0870
NOTE: Contains 2 Pieces, Position Number 3								
Connecting Rod	24 To 27 Lbs.Ft.							
Main Bearing	61 To 69 Lbs.Ft.							
3	1588CC (1.6L) 4XE1W DOHC 4 Cyl (1989-1991)			3.150in./80mm x 3.110in./79mm				3
Rod Bearing(4)	TM-1	CB-1478P	STD,.25mm,.50mm	1.5726/1.5734	0.0008/0.0025	0.0591	1.6922/1.6929	0.6690
Main Bearing Set 1-2-3-4-5	AL-3	MS-1776AL MB-3150AL	.25mm,.50mm,.75mm	1.8873/1.8881	0.0008/0.0029	0.0787	2.0463/2.0472	0.6690
NOTE: Thru 12/90, Requires Thrust Washer Set, Not Included, Use With Part Number TW-453S								
Thrust Washer Set		TW-453S MB-3150W	STD	2.1654			2.7559	0.0870
NOTE: Thru 12/90, Contains 2 Pieces, Position Number 3, Use With Part Number MS-1776AL								
Thrust Washer Set		TW-595S MB-3481W	STD	2.3228			2.9016	0.0870
NOTE: From 12/90, Contains 2 Pieces, Position Number 3								
Connecting Rod	24 To 27 Lbs.Ft.							
Main Bearing	61 To 69 Lbs.Ft.							
4	1809CC (1.8L) 4XF1 DOHC (RLX) 4 Cyl (1992-1993)			3.150in./80mm x 3.543in./90mm				4
Thrust Washer Set		TW-595S MB-3481W	STD	2.3228			2.9016	0.0870
NOTE: Contains 2 Pieces, Position Number 3								
Connecting Rod	27 To 40 Lbs.Ft.							
Main Bearing	33 To 40 Lbs.Ft.							
5	1817CC (1.8L) 4FB1 SOHC Diesel 4 Cyl (1981-1984)			3.307in./84mm x 3.228in./82mm				5
Rod Bearing(4)	TM-1	CB-1449P	STD,.50mm	1.9264/1.9268	0.0014/0.0029	0.0596	2.0464/2.0472	0.8710
Main Bearing Set 1-2-4-5 3	TM-1	MS-1669P MB-3051P MB-3052P	STD	2.2010/2.2020 2.2010/2.2020	0.0011/0.0028 0.0011/0.0028	0.0792 0.0792	2.3614/2.3622 2.3614/2.3622	0.9060 0.9060
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								
Thrust Washer Set		TW-451S MB-3061W	STD	2.5197			3.1575	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1669P								
Connecting Rod	58 To 65 Lbs.Ft.							
Main Bearing	72 To 80 Lbs.Ft.							
6	1817CC (1.8L) G180Z SOHC 4 Cyl (1981-1985)			3.307in./84mm x 3.228in./82mm				6
Rod Bearing(4)	TM-77	CB-1654P	STD,.25mm,.50mm,.75mm,1.00mm	1.9262/1.9268	0.0012/0.0040	0.0596	2.0466/2.0472	0.8460
Main Bearing Set 1-3-5 2-4	TM-1	MS-1298G MB-974G MB-975G	STD,.25mm,.50mm,.75mm,1.00mm	2.2016/2.2022 2.2016/2.2022	0.0009/0.0039 0.0009/0.0039	0.0596 0.0596	2.3220/2.3228 2.3220/2.3228	1.2600 0.8270
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								
Thrust Washer Set		TW-451S MB-3061W	STD	2.5197			3.1575	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1298G								
Connecting Rod	43 Lbs.Ft.							
Main Bearing	72 Lbs.Ft.							
7	1949CC (1.9L) G200Z SOHC 4 Cyl (1983-1987)			3.425in./87mm x 3.228in./82mm				7
Rod Bearing(4)	TM-77	CB-1654P	STD,.25mm,.50mm,.75mm,1.00mm	1.9262/1.9268	0.0012/0.0040	0.0596	2.0466/2.0472	0.8460
Main Bearing Set 1-3-5 2-4	TM-1	MS-1298G MB-974G MB-975G	STD,.25mm,.50mm,.75mm,1.00mm	2.2016/2.2022 2.2016/2.2022	0.0009/0.0039 0.0009/0.0039	0.0596 0.0596	2.3220/2.3228 2.3220/2.3228	1.2600 0.8270
NOTE: 1983-1985, Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								



ISUZU (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
7 (Cont.)	1949CC (1.9L) G200Z SOHC 4 Cyl (1983-1987)				3.425in./87mm x 3.228in./82mm			7 (Cont.)
Main Bearing Set 1-2-3-4-5	TM-1	MS-1775P MB-3061P	STD.,.25mm,.50mm,.75mm	2.2016/2.2020	0.0013/0.0028	0.0596	2.3612/2.3622	0.8660
NOTE: 1986-1987, Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								
Thrust Washer Set		TW-451S MB-3061W	STD	2.5197			3.1575	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1298G, MS-1775P								
Connecting Rod	43 Lbs.Ft.							
Main Bearing	72 Lbs.Ft.							
8	1994CC (2.0L) 4ZC1 SOHC Turbo Turbocharged 4 Cyl (1985-1989)				3.465in./88mm x 3.228in./82mm			8
	2254CC (2.3L) 4ZD1 SOHC 4 Cyl (1987-1989)				3.516in./89.3mm x 3.543in./90mm			
	2254CC (2.3L) 4ZD1 SOHC 4 Cyl (1986-1995)				3.516in./89.3mm x 3.543in./90mm			
Rod Bearing(4)	TM-77	CB-1654P	STD.,.25mm,.50mm,.75mm,1.00mm	1.9262/1.9268	0.0012/0.0040	0.0596	2.0466/2.0472	0.8460
Main Bearing Set 1-2-3-4-5	TM-1	MS-1775P MB-3061P	STD.,.25mm,.50mm,.75mm	2.2016/2.2020	0.0013/0.0028	0.0596	2.3612/2.3622	0.8660
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								
Thrust Washer Set		TW-451S MB-3061W	STD	2.5197			3.1575	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1775P								
Connecting Rod	43 Lbs.Ft.							
Main Bearing	72 Lbs.Ft.							
9	119 CID/1951CC (2.0L) C190 Diesel 4 Cyl (1981-1984)				3.385in./86mm x 3.307in./84mm			9
	2238CC (2.2L) C223 OHV Diesel 4 Cyl (1981-1987)				3.465in./88mm x 3.622in./92mm			
Rod Bearing(4)	TM-1	CB-1093P	STD.,.25mm,.50mm	2.0833/2.0838	0.0011/0.0028	0.0593	2.2041/2.2047	0.8870
Thrust Washer Set		TW-470S MB-3160W	STD	2.8760			3.4173	0.0980
NOTE: Contains 2 Pieces, Position Number 3								
Cam Bearing Set 1	B-1	SH-907S SH-907	STD	1.8876/1.8887	0.0012/0.0031	0.0790	2.0472/2.0486	0.9840
2		SH-908		1.8882/1.8886	0.0012/0.0031	0.0790	2.0476/2.0484	0.9840
3		SH-909		1.8882/1.8886	0.0012/0.0031	0.0790	2.0476/2.0484	0.9840
NOTE: 2238CC (2.2L) C223 OHV (1981-1982), 119 CID/1951CC (2.0L) C190 (1981-1982)								
Cam Bearing Set 1	B-1	SH-1457S SH-1457	STD	1.8876/1.8888	0.0007/0.0035	0.0797	2.0472/2.0486	0.8660
2		SH-1458		1.8876/1.8888	0.0007/0.0035	0.0797	2.0477/2.0486	0.8660
3		SH-1459		1.8876/1.8888	0.0007/0.0035	0.0797	2.0477/2.0486	0.8660
NOTE: 2238CC (2.2L) C223 OHV (1983-1987), 119 CID/1951CC (2.0L) C190 (1983-1984)								
Rod Forging	FM3066, FM3234							
C/S Forging	AY							
Connecting Rod	58 To 65 Lbs.Ft. (2238CC (2.2L) C223 OHV)							
Connecting Rod	60 Lbs.Ft. (119 CID/1951CC (2.0L) C190)							
Main Bearing	115 To 130 Lbs.Ft. (2238CC (2.2L) C223 OHV)							
Main Bearing	130 Lbs.Ft. (119 CID/1951CC (2.0L) C190)							
10	1991CC (2.0L) C201PT Diesel 4 Cyl				3.268in./83mm x 3.622in./92mm			10
Rod Bearing(4)	TM-77	CB-1093P	STD.,.25mm,.50mm	2.0833/2.0838	0.0011/0.0028	0.0593	2.2041/2.2047	0.8870
Piston Pin Bushing	C-1	223-3554	STD			0.0590	1.1022/1.1024	1.3386
11	144 CID/2369CC (2.4L) C240 Diesel 4 Cyl (1969-1985)				3.386in./86mm x 4.016in./102mm			11
Rod Bearing(4)	TM-77	CB-1093P	STD.,.25mm,.50mm	2.0833/2.0838	0.0011/0.0028	0.0593	2.2041/2.2047	0.8870
Cam Bearing Set 1	B-1	SH-907S SH-907	STD	1.8876/1.8887	0.0012/0.0031	0.0790	2.0472/2.0486	0.9840
2		SH-908		1.8882/1.8886	0.0012/0.0031	0.0790	2.0476/2.0484	0.9840
3		SH-909		1.8882/1.8886	0.0012/0.0031	0.0790	2.0476/2.0484	0.9840
Piston Pin Bushing(4)	B	223-3637	STD			0.0996	1.4972/1.4982	1.4960
Connecting Rod	60 Lbs.Ft.							
Main Bearing	130 Lbs.Ft.							



ISUZU (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
12	134 CID (2.2L) OHV Chevrolet 4 Cyl (1996-2000)				3.504in./89mm x 3.465in./88mm			12
Rod Bearing(4)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set 1-2-3-5	TM-77	MS-1704P	STD,10,20,30	2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.7420
4		MB-2854P		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.9420
NOTE: 1996-1997								
Main Bearing Set 1-2-5	TM-77	MS-2205P	STD,10,20,30	2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.7420
3		MB-2854P		2.4944/2.4954	0.0006/0.0036	0.0955	2.6870/2.6880	0.8190
4		MB-3749P		2.4944/2.4954	0.0009/0.0039	0.0955	2.6870/2.6880	0.9420
NOTE: 1998-2000								
Cam Bearing Set 1	AL-3	SH-1365S	STD	1.8677/1.8697	0.0015/0.0041	0.0742	2.0190/2.0200	0.6340
2-5		SH-1365		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
3-4		SH-1363		1.8677/1.8697	0.0015/0.0041	0.0640	1.9990/2.0010	0.6940
Connecting Rod	38 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							
13	2238CC (2.2L) C223T OHV Turbo Turbocharged Diesel 4 Cyl (1986-1987)				3.465in./88mm x 3.622in./92mm			13
Rod Bearing(4)	TM-1	CB-1093P	STD,.25mm,.50mm	2.0833/2.0838	0.0011/0.0028	0.0593	2.2041/2.2047	0.8870
Thrust Washer Set		TW-470S	STD	2.8760			3.4173	0.0980
NOTE: Contains 2 Pieces, Position Number 3								
Cam Bearing Set 1	B-1	SH-1457S	STD	1.8876/1.8888	0.0007/0.0035	0.0797	2.0472/2.0486	0.8660
2		SH-1457		1.8876/1.8888	0.0007/0.0035	0.0797	2.0477/2.0486	0.8660
3		SH-1458		1.8876/1.8888	0.0007/0.0035	0.0797	2.0477/2.0486	0.8660
Rod Forging	FM3066, FM3234							
C/S Forging	AY							
Connecting Rod	58 To 65 Lbs.Ft.							
Main Bearing	115 To 130 Lbs.Ft.							
14	2499CC (2.5L) 4JA1 Diesel 4 Cyl (1985-1990)				3.661in./93mm x 3.622in./92mm			14
Rod Bearing(4)	TM-1	CB-1450P	STD,.25mm,.50mm,.75mm	2.0834/2.0839	0.0012/0.0026	0.0596	2.2041/2.2047	1.0000
Main Bearing Set 1-2-3-4-5	TM-1	MS-1799P	STD,.25mm,.50mm,.75mm	2.3587/2.3595	0.0014/0.0031	0.0788	2.5187/2.5197	0.9060
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-470S								
Thrust Washer Set		TW-470S	STD	2.8760			3.4173	0.0980
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1799P								
Cam Bearing Set 1	B-1	SH-1463S	STD	1.9665/1.9675	0.0010/0.0033	0.0797	2.1264/2.1274	0.9840
2-3		SH-1463		1.9665/1.9675	0.0010/0.0033	0.0797	2.1264/2.1274	0.8660
Connecting Rod	59 To 65 Lbs.Ft.							
Main Bearing	123 Lbs.Ft.							
15	2559CC (2.6L) 4ZE1 SOHC 4 Cyl (1988-1997)				3.646in./92.6mm x 3.736in./95mm			15
Rod Bearing(4)	AL-3	CB-1480AL	STD,.25mm,.50mm	1.9262/1.9268	0.0010/0.0026	0.0596	2.0466/2.0474	0.8320
Main Bearing Set 1-2-3-4-5	TM-1	MS-1821AL	STD,.25mm,.50mm	2.2016/2.2022	0.0012/0.0028	0.0791	2.3614/2.3622	0.8610
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								
Thrust Washer Set		TW-451S	STD	2.5197			3.1575	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1821AL								
Connecting Rod	43 Lbs.Ft.							
Main Bearing	72 Lbs.Ft.							
16	169 CID (2.8L) LK5 Vortec 2800 DOHC 16 Valve Chevrolet 4 Cyl (2006)				3.661in./93mm x 4.016in./102mm			16
Rod Bearing(4)	TM-77	CB-1811P	STD,10,20	2.2319/2.2325	0.0002/0.0024	0.0711	2.3749/2.3755	0.8110
Rod Bearing(4)	TM-77	CB-1816P-10	20	2.2319/2.2325	0.0002/0.0024	0.0721	2.3769/2.3775	0.8110
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								



ISUZU (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
16 (Cont.)	169 CID (2.8L) LK5 Vortec 2800 DOHC 16 Valve Chevrolet 4 Cyl (2006)				3.661in./93mm x 4.016in./102mm			16 (Cont.)
Main Bearing Set 1-2-4-5 3	AL-3	MS-2249AL MB-3781P MB-3782P(F)	STD,10,20	2.7546/2.7552 2.7546/2.7552	0.0003/0.0020 0.0003/0.0020	0.1592 0.1592	3.0736/3.0743 3.0736/3.0743	0.8141 0.9980
Balance Shaft Bearing Set Left Center Left Front Right Center Right Front	AL-3	SH-2000S SH-2008 SH-2007 SH-2009 SH-2010	STD				1.8951/1.8959 1.8668/1.8675 1.6249/1.6257 1.5965/1.5973	0.8740 0.8740 0.8740 0.8740
Piston Pin Bushing(4)	C-1	223-3664	STD	0.9054/0.9055		0.0540	1.0133/1.0148	0.9350
Piston Pin Bushing(4)	C-1	223-3668	STD	0.9054/0.9055		0.0630	1.0133/1.0148	0.9350
NOTE: Requires Boring								
17	2771CC (2.8L) 4JB1 Diesel 4 Cyl (1985-1990)				3.661in./93mm x 3.622in./92mm			17
Rod Bearing(4)	TM-1	CB-1450P	STD,.25mm,.50mm,.75mm	2.0834/2.0839	0.0012/0.0026	0.0596	2.2041/2.2047	1.0000
Cam Bearing Set 1 2-3	B-1	SH-1463S SH-1463 SH-1464	STD	1.9665/1.9675 1.9665/1.9675	0.0010/0.0033 0.0010/0.0033	0.0797 0.0797	2.1264/2.1274 2.1264/2.1274	0.9840 0.8660
Connecting Rod Main Bearing	59 To 65 Lbs.Ft. 123 Lbs.Ft.							
18	2775CC (2.8L) 4BA1 Diesel 4 Cyl (1973-1990) 3595CC (3.6L) 4BB1 Diesel 4 Cyl (1973-1990)				3.858in./98mm x 3.622in./92mm 4.016in./102mm x 4.331in./110mm			18
Rod Bearing(4)	TM-1	CB-1095P	STD,.25mm,.50mm,.75mm	2.5165/2.5175	0.0012/0.0029	0.0793	2.6770/2.6778	1.1730
Thrust Washer Set		TW-368S MB-2851W(L) MB-2851W(U)	STD	3.4646 3.4646			3.9764 3.9764	0.0980 0.0980
NOTE: 1985-1990, Contains 4 Pieces, Position Number 4								
Cam Bearing Set 1 2-3	B-1	SH-1431S SH-905 SH-906	STD	2.2023/2.2035 2.2023/2.2035	0.0012/0.0035 0.0012/0.0035	0.0785 0.0785	2.3634/2.3640 2.3634/2.3640	0.7870 0.7870
NOTE: 1977-1990								
Connecting Rod Main Bearing	76 Lbs.Ft. 175 Lbs.Ft.							
19	3268CC (3.3L) 4BC1 Diesel 4 Cyl (1979-1984)				4.016in./102mm x 3.937in./100mm			19
Rod Bearing(4)	TM-1	CB-1095P	STD,.25mm,.50mm,.75mm	2.5165/2.5175	0.0012/0.0029	0.0793	2.6770/2.6778	1.1730
Thrust Washer Set		TW-368S MB-2851W(L) MB-2851W(U)	STD	3.4646 3.4646			3.9764 3.9764	0.0980 0.0980
NOTE: 1981-1984, Contains 4 Pieces, Position Number 4								
Cam Bearing Set 1 2-3	B-1	SH-1431S SH-905 SH-906	STD	2.2023/2.2035 2.2023/2.2035	0.0012/0.0035 0.0012/0.0035	0.0785 0.0785	2.3634/2.3640 2.3634/2.3640	0.7870 0.7870
Connecting Rod Main Bearing	76 Lbs.Ft. 175 Lbs.Ft.							
20	3856CC (3.9L) 4BD1 OHV Diesel 4 Cyl (1985-1990) 3856CC (3.9L) 4BD1T OHV Turbocharged Diesel 4 Cyl (1986-1991) 3856CC (3.9L) 4BD2TC OHV Turbocharged/Intercooled Diesel 4 Cyl (1992-1999)				4.016in./102mm x 4.646in./118mm 4.016in./102mm x 4.646in./118mm 4.016in./102mm x 4.646in./118mm			20
Rod Bearing(4)	TM-1	CB-1095P	STD,.25mm,.50mm,.75mm	2.5165/2.5175	0.0012/0.0029	0.0793	2.6770/2.6778	1.1730
Main Bearing Set 1-2-4-5 3	TM-1	MS-1752P MB-3148P MB-3149P	STD,.25mm,.50mm	3.1464/3.1471 3.1464/3.1471	0.0013/0.0034 0.0013/0.0034	0.0991 0.0991	3.3464/3.3472 3.3464/3.3472	1.0500 1.0500
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-368S								
Thrust Washer Set		TW-368S MB-2851W(L) MB-2851W(U)	STD	3.4646 3.4646			3.9764 3.9764	0.0980 0.0980
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1752P								



ISUZU (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
20 (Cont.)	3856CC (3.9L) 4BD1 OHV Diesel 4 Cyl (1985-1990)			4.016in./102mm x 4.646in./118mm				20 (Cont.)
	3856CC (3.9L) 4BD1T OHV Turbocharged Diesel 4 Cyl (1986-1991)			4.016in./102mm x 4.646in./118mm				
	3856CC (3.9L) 4BD2TC OHV Turbocharged/Intercooled Diesel 4 Cyl (1992-1999)			4.016in./102mm x 4.646in./118mm				
Cam Bearing Set 1	B-1	SH-1431S	STD	2.2023/2.2035	0.0012/0.0035	0.0785	2.3634/2.3640	0.7870
2-3		SH-905		2.2023/2.2035	0.0012/0.0035	0.0785	2.3634/2.3640	0.7870
Piston Pin Bushing		223-3615	STD			0.0602	1.4961/1.4971	1.4960
Connecting Rod Main Bearing	90 Lbs.Ft. 180 Lbs.Ft.							
5 CYL								
21	211 CID (3.5L) L52 Vortec 3500 DOHC 20 Valve Chevrolet 5 Cyl (2006-2007)			3.661in./93mm x 4.016in./102mm				21
Rod Bearing(5)	TM-77	CB-1811P	STD,10,20	2.2319/2.2325	0.0002/0.0024	0.0711	2.3749/2.3755	0.8110
Rod Bearing(5)	TM-77	CB-1816P-10	20	2.2319/2.2325	0.0002/0.0024	0.0721	2.3769/2.3775	0.8110
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-5-6	AL-3	MS-2250AL MB-3781P	STD,10,20	2.7546/2.7552	0.0003/0.0020	0.1592	3.0736/3.0743	0.8141
4		MB-3782P(F)		2.7546/2.7552	0.0003/0.0020	0.1592	3.0736/3.0743	0.9980
Balance Shaft Bearing Set	AL-3	SH-2000S	STD					
Left Center		SH-2008					1.8951/1.8959	0.8740
Left Front		SH-2007					1.8668/1.8675	0.8740
Right Center		SH-2009					1.6249/1.6257	0.8740
Right Front		SH-2010					1.5965/1.5973	0.8740
Piston Pin Bushing(5)	C-1	223-3664	STD	0.9054/0.9055		0.0540	1.0133/1.0148	0.9350
6 CYL								
22	2827CC (2.8L) LL2 Chevrolet V6 Cyl (1989-1991)			3.500in./88.9mm x 2.992in./76mm				22
	3137CC (3.1L) CPC (LG6) Chevrolet V6 Cyl (1991-1994)			3.504in./89mm x 3.307in./84mm				
Rod Bearing(6)	AL-5	CB-1238A-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0623	2.1245/2.1255	0.7205
Rod Bearing(6)	TM-77	CB-1238P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	1.9984/1.9994	0.0005/0.0035	0.0623	2.1245/2.1255	0.7205
Rod Bearing(6)	AL-5	CB-1797A-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0633	2.1265/2.1275	0.7205
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1797P-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0633	2.1265/2.1275	0.7205
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-4	AL-5	MS-2037A-.25mm MB-3511A	.50mm,.75mm	2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9770
2		MB-3512A		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.7380
3		MB-3513A(F)		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9420
Main Bearing Set 1-4	TM-77	MS-2037P MB-3511P	STD,.25mm,.50mm,.75mm,1.00mm	2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9770
2		MB-3512P		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.7380
3		MB-3513P(F)		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9420
Cam Bearing Set 1	C-1	SH-1364S	STD,80	1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
2-3		SH-1362		1.8677/1.8697	0.0015/0.0041	0.0640	1.9990/2.0010	0.6940
4		SH-1363		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340
23	3165CC (3.2L) DOHC 6VD1 V6 Cyl (1992-2002)			3.677in./93.4mm x 3.031in./77mm				23
	3165CC (3.2L) SOHC ISZ (6VD1) V6 Cyl (1992-1997)			3.677in./93.4mm x 3.031in./77mm				
	3494CC (3.5L) 6VE1 DOHC V6 Cyl (1998-2002)			3.677in./93.4mm x 3.346in./85mm				
Rod Bearing(6)	TM-1	CB-1830P	STD,.25mm,.50mm	2.1229/2.1235	0.0007/0.0031	0.0596	2.2434/2.2441	0.6740
NOTE: 3165CC (3.2L) DOHC 6VD1 (1992-1995;1998-2002), 3165CC (3.2L) SOHC ISZ (6VD1) (1992-1997), 3494CC (3.5L) 6VE1 DOHC (1998-2002)								
Main Bearing Set 1-4	TM-1	MS-2236P MB-3805P	STD,.25mm,.50mm	2.5165/2.5170	0.0010/0.0033	0.0995	2.7157/2.7165	0.7280
2-3		MB-3806P		2.5165/2.5170	0.0010/0.0033	0.0995	2.7157/2.7165	0.6500
NOTE: 3165CC (3.2L) DOHC 6VD1 (1992-1995;1998-2002), 3165CC (3.2L) SOHC ISZ (6VD1) (1992-1997), 3494CC (3.5L) 6VE1 DOHC (1998-2002),Requires Thrust Washer Set, Not Included, Use With Part Number TW-615S								



ISUZU (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
23 (Cont.)	3165CC (3.2L) DOHC 6VD1 V6 Cyl (1992-2002)				3.677in./93.4mm x 3.031in./77mm			23 (Cont.)
	3165CC (3.2L) SOHC ISZ (6VD1) V6 Cyl (1992-1997)				3.677in./93.4mm x 3.031in./77mm			
	3494CC (3.5L) 6VE1 DOHC V6 Cyl (1998-2002)				3.677in./93.4mm x 3.346in./85mm			
Thrust Washer Set		TW-615S MB-3807W	STD	2.7953/2.8051		0.0770		
NOTE: 3165CC (3.2L) DOHC 6VD1 (1992-1995;1998-2002), 3165CC (3.2L) SOHC ISZ (6VD1) (1992-1997), 3494CC (3.5L) 6VE1 DOHC (1998-2002),Contains 2 Pieces, Use With Part Number MS-2236P								
C/S Forging KN224								
24	254 CID (4.2L) LL8 Vortec 4200 DOHC 24 Valve Chevrolet 6 Cyl (2003-2007)				3.661in./93mm x 4.016in./102mm			24
Rod Bearing(6)	TM-77	CB-1811P	STD,10,20	2.2319/2.2325	0.0002/0.0024	0.0711	2.3749/2.3755	0.8110
Rod Bearing(6)	TM-77	CB-1816P-10	20	2.2319/2.2325	0.0002/0.0024	0.0721	2.3769/2.3775	0.8110
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4-6-7 5	AL-3	MS-2224AL MB-3781P MB-3782P(F)	STD,10,20	2.7546/2.7552 2.7546/2.7552	0.0003/0.0020 0.0003/0.0020	0.1592 0.1592	3.0736/3.0743 3.0736/3.0743	0.8141 0.9980
Piston Pin Bushing(6)	C-1	223-3664	STD	0.9054/0.9055		0.0540	1.0133/1.0148	0.9350
Piston Pin Bushing(6)	C-1	223-3668	STD	0.9054/0.9055		0.0630	1.0133/1.0148	0.9350
NOTE: Requires Boring								
25	262 CID (4.3L) Vortec 4300 Chevrolet V6 Cyl (1997-2000)				4.000in./101.6mm x 3.484in./88.5mm			25
Rod Bearing(6)	AL-5	CB-1358A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	TM-77	CB-1358P	STD,1,10,20,30,40	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	AL-5	CB-1794A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1794P-10	20,30,40	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3 4	AL-5	MS-1454A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3 4	TM-77	MS-1454P MB-2508P MB-2509P(F)	STD,1,10,20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3 4	TM-77	MS-1628P-10 MB-2508P MB-2981P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-1684P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-2215P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-4 3	AL-3	SH-1350S SH-1349 SH-1350 SH-1351	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: Except Engines Stamped With Identification Number Located On Front Of Block Starting With "T"								
Cam Bearing Set 1-4 2 3	AL-3	SH-1351S SH-1349 SH-1351 SH-1350	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0644 0.0694	2.0190/2.0210 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500
NOTE: Engines Stamped With Identification Number On Front Of Block Starting With "T"								
Balance Shaft Bearing Set Rear		SH-1798S SH-1798	STD	1.4986/1.5000				
NOTE: Except Engines With Roller Bearings				0.0011/0.0047				
				0.1882				
				1.8735/1.8745				
				0.8350				



ISUZU (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
26	5393CC (5.4L) 6BB1 Diesel 6 Cyl (1972-1990)			4.016in./102mm x 4.331in./110mm				26
Rod Bearing(6)	TM-1	CB-1095P	STD,.25mm,.50mm,.75mm	2.5165/2.5175	0.0012/0.0029	0.0793	2.6770/2.6778	1.1730
Main Bearing Set 1-2-3-4-5-6-7	TM-1	MS-1798P MB-3149P	STD	3.1464/3.1471	0.0013/0.0034	0.0991	3.3464/3.3472	1.0500
NOTE: 1980-1990, Requires Thrust Washer Set, Not Included, Use With Part Number TW-368S								
Thrust Washer Set		TW-368S MB-2851W(L) MB-2851W(U)	STD	3.4646 3.4646			3.9764 3.9764	0.0980 0.0980
NOTE: 1977-1990, Contains 4 Pieces, Position Number 4, Use With Part Number MS-1798P								
Cam Bearing Set 1	B-1	SH-905S SH-905	STD	2.2023/2.2035	0.0012/0.0035	0.0785	2.3634/2.3640	0.7870
2-3-4-5-6		SH-906		2.2023/2.2035	0.0012/0.0035	0.0785	2.3634/2.3640	0.7870
Piston Pin Bushing(6)	B	223-3615	STD			0.0602	1.4961/1.4971	1.4960
Connecting Rod	90 Lbs.Ft.							
Main Bearing	180 Lbs.Ft.							
27	5785CC (5.8L) 6BD1 Diesel 6 Cyl (1977-1990)			4.016in./102mm x 4.646in./118mm				27
6130CC (6.1L) 6BF1 Diesel 6 Cyl (1980-1990)				4.016in./102mm x 4.724in./120mm				
Rod Bearing(6)	TM-1	CB-1095P	STD,.25mm,.50mm,.75mm	2.5165/2.5175	0.0012/0.0029	0.0793	2.6770/2.6778	1.1730
Main Bearing Set 1-2-3-4-5-6-7	TM-1	MS-1798P MB-3149P	STD	3.1464/3.1471	0.0013/0.0034	0.0991	3.3464/3.3472	1.0500
NOTE: 5785CC (5.8L) 6BD1 (1980-1990), 6130CC (6.1L) 6BF1 (1980-1990),Requires Thrust Washer Set, Not Included, Use With Part Number TW-368S								
Thrust Washer Set		TW-368S MB-2851W(L) MB-2851W(U)	STD	3.4646 3.4646			3.9764 3.9764	0.0980 0.0980
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1798P								
Cam Bearing Set 1	B-1	SH-905S SH-905	STD	2.2023/2.2035	0.0012/0.0035	0.0785	2.3634/2.3640	0.7870
2-3-4-5-6		SH-906		2.2023/2.2035	0.0012/0.0035	0.0785	2.3634/2.3640	0.7870
Piston Pin Bushing(6)	B	223-3615	STD			0.0602	1.4961/1.4971	1.4960
Connecting Rod	90 Lbs.Ft.							
Main Bearing	180 Lbs.Ft.							
8 CYL								
28	325 CID (5.3L) Vortec 5300 Chevrolet V8 Cyl (2003-2004)			3.780in./96mm x 3.622in./92mm				28
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
NOTE: 2004								
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
NOTE: 2004								
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2004, Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2004, Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	TM-77	MS-2199P MB-3591P MB-3592P(F)	STD,10,20,30	2.5588/2.5593 2.5588/2.5593	0.0002/0.0018 0.0002/0.0018	0.0957 0.0957	2.7509/2.7515 2.7509/2.7515	0.8050 1.0280
NOTE: 2004								
Cam Bearing Set 1-5 2-4 3	B-1	SH-1995S SH-1995 SH-1814 SH-1816	STD	2.1650/2.1670 2.1650/2.1670 2.1650/2.1670	0.0011/0.0063 0.0011/0.0063 0.0011/0.0063	0.0890 0.0790 0.0692	2.3460/2.3480 2.3260/2.3280 2.3063/2.3083	0.6350 0.6350 0.6350
NOTE: 2nd Design; Positions 1 And 5 Housing Bore is 2.3460"/2.3480"								
29	350 CID (5.7L) Fuel Injected Chevrolet V8 Cyl (1993-2002)			4.000in./101.6mm x 3.484in./88.5mm				29
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								



ISUZU (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
29 (Cont.)	350 CID (5.7L) Fuel Injected Chevrolet V8 Cyl (1993-2002)				4.000in./101.6mm x 3.484in./88.5mm			29 (Cont.)
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-909A-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3-4		MB-2508A		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
5		MB-2509A(F)						
Main Bearing Set	TM-77	MS-909P	STD,1,2,10,20,30,40,C60	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3-4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
5		MB-2509P(F)						
Main Bearing Set	TM-77	MS-1626P-10	20,30,40	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3-4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
5		MB-2981P(F)						
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1683P-20		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3-4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
5		MB-3060P(F)						
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1744P-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3-4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
5		MB-3119P(F)						
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-290S	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
2-5		SH-288		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
3-4		SH-287						
Cam Bearing Set	AL-3	SH-1349S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
2-5		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
3-4		SH-1351						
NOTE: Heavy Duty Engine								
Cam Bearing Set	AL-3	SH-1352S	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
1-2-3-4-5		SH-1352						
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set	AL-3	SH-1401S	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
1-2-3-4-5		SH-1401						
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3892671, 3916396, 3923282, 3946841							
C/S Forging	1182, 2690, 306275, 306276, 310514, 3732444, 3832442, 3912335, 3932444, 3941184, 4568749							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
30	365 CID (6.0L) Vortec 6000 Chevrolet V8 Cyl (2004-2007)				4.000in./101.6mm x 3.622in./92mm			30
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-2199P	STD,10,20,30	2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	0.8050
1-2-4-5		MB-3591P		2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	1.0280
3		MB-3592P(F)						
Cam Bearing Set	B-1	SH-1995S	STD	2.1650/2.1670	0.0011/0.0063	0.0890	2.3460/2.3480	0.6350
1-5		SH-1995		2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6350
2-4		SH-1814		2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
3		SH-1816						
NOTE: 1st Design; Positions 1 And 5 Housing Bore is 2.3260"/2.3280"								
Piston Pin Bushing(8)	C-1	223-3663	STD			0.0585		0.9350
NOTE: Requires Light Reaming								



JAGUAR								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
6 CYL				6 CYL (Cont.)				
2483CC (2.5L) DOHC	1955-1967	2.835in./72mmX2.992in./76mm	1	4235CC (4.2L) DOHC	1969-1987	3.622in./92mmX4.173in./106mm	1	
3442CC (3.4L) DOHC	1948-1967	3.268in./83mmX4.173in./106mm	1	12 CYL				
3590CC (3.6L) DOHC	1988-1989	3.583in./91mmX3.622in./92mm	2	5343CC (5.3L)	1971-1992	3.543in./90mmX2.756in./70mm	3	
3781CC (3.8L) DOHC	1958-1967	3.425in./87mmX4.173in./106mm	1					
4235CC (4.2L)	1964-1967	3.622in./92mmX4.173in./106mm	1					
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
420	4235CC (4.2L)	1967	1	XJ12	5343CC (5.3L)	1973-1974	3	
420G	4235CC (4.2L)	1967	1	XJ12C	5343CC (5.3L)	1974-1977	3	
Mark	2483CC (2.5L) DOHC	1955-1967	1	XJ12L	5343CC (5.3L)	1974-1979	3	
Mark	3442CC (3.4L) DOHC	1950-1967	1	XJS	5343CC (5.3L)	1976-1992	3	
Mark	3781CC (3.8L) DOHC	1958-1967	1	XJSC	5343CC (5.3L)	1987	3	
Mark X	3781CC (3.8L) DOHC	1961-1965	1	XK	3442CC (3.4L) DOHC	1948-1961	1	
Mark X	4235CC (4.2L)	1964-1966	1	XK	3781CC (3.8L) DOHC	1959-1961	1	
XJ6	3590CC (3.6L) DOHC	1988-1989	2	XKE	3781CC (3.8L) DOHC	1962-1964	1	
XJ6	4235CC (4.2L) DOHC	1969-1987	1	XKE	4235CC (4.2L) DOHC	1969-1971	1	
XJ6C	4235CC (4.2L) DOHC	1975-1977	1	XKE	5343CC (5.3L)	1971-1974	3	
XJ6L	4235CC (4.2L) DOHC	1974-1978	1					
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
1	2483CC (2.5L) DOHC 6 Cyl (1955-1967) 3442CC (3.4L) DOHC 6 Cyl (1948-1967) 3781CC (3.8L) DOHC 6 Cyl (1958-1967) 4235CC (4.2L) 6 Cyl (1964-1967) 4235CC (4.2L) DOHC 6 Cyl (1969-1987)				2.835in./72mm x 2.992in./76mm 3.268in./83mm x 4.173in./106mm 3.425in./87mm x 4.173in./106mm 3.622in./92mm x 4.173in./106mm 3.622in./92mm x 4.173in./106mm			1
Rod Bearing(6)	TM-1	CB-1465P	STD,10,20	2.0856/2.0861	0.0010/0.0025	0.0725	2.2330/2.2335	0.9750
Thrust Washer Set		TW-102S MB-3182W	STD					0.0930
NOTE: Contains 2 Pieces, Position Number 4								
Connecting Rod	36 To 38 Lbs.Ft. (4235CC (4.2L) ,4235CC (4.2L) DOHC)							
Connecting Rod	37 Lbs.Ft. (2483CC (2.5L) DOHC,3442CC (3.4L) DOHC,3781CC (3.8L) DOHC)							
Main Bearing	69 To 72 Lbs.Ft. (4235CC (4.2L) ,4235CC (4.2L) DOHC)							
Main Bearing	83 Lbs.Ft. (2483CC (2.5L) DOHC,3442CC (3.4L) DOHC,3781CC (3.8L) DOHC)							
2	3590CC (3.6L) DOHC 6 Cyl (1988-1989)				3.583in./91mm x 3.622in./92mm			2
Rod Bearing(6)	TM-1	CB-1498P	STD	2.0856/2.0861	0.0034/0.0054	0.0720	2.2330/2.2335	0.9750
12 CYL								
3	5343CC (5.3L) V12 Cyl (1971-1992)				3.543in./90mm x 2.756in./70mm			3
Rod Bearing(12)	TM-1	CB-1466P	STD	2.2994/2.3000	0.0015/0.0030	0.0693	2.4409/2.4415	0.7300
Main Bearing Set	TM-1	MS-1811P	STD					
1-2-3-5-6		MB-3184P		3.0007/3.0012	0.0015/0.0030	0.0820	3.1665/3.1670	0.9730
4		MB-3185P		3.0007/3.0012	0.0015/0.0030	0.0820	3.1665/3.1670	1.2000
7		MB-3186P		3.0007/3.0012	0.0015/0.0030	0.0820	3.1665/3.1670	1.2000
NOTE: Requires Thrust Washer Set, Not Included								
Connecting Rod	40 To 41 Lbs.Ft.							
Main Bearing	27 To 28 Lbs.Ft. (3/8" Nuts)							
Main Bearing	59 To 62 Lbs.Ft.							



JEEP							
ENGINE DATA							
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				6 CYL (Cont.)			
126 CID (2.1L) Turbo Renault Turbocharged Diesel	1985-1990	3.386in./86mmX3.504in./89mm	1	242 CID (4.0L)	1987-2001	3.875in./98.4mmX3.406in./86.5mm	12
134 CID (2.2L) F-Head	1950-1973	3.125in./79.4mmX4.375in./111.1mm	2	258 CID (4.2L) American Motors	1971-1990	3.750in./95.3mmX3.906in./99.2mm	11
134 CID (2.2L) L-Head	1939-1966	3.125in./79.4mmX4.375in./111.1mm	2	8 CYL			
150 CID (2.5L)	1983-2002	3.875in./98.4mmX3.190in./81.03mm	3	287 CID (4.7L) SOHC	1999-2006	3.661in./93mmX3.406in./86.5mm	13
151 CID (2.5L) Carbureted Pontiac	1980-1983	4.000in./101.6mmX3.000in./76.2mm	4	287 CID (4.7L) SOHC	2002-2004	3.661in./93mmX3.406in./86.5mm	14
192 CID (3.1L) 4-192 Perkins Diesel	1968	3.504in./89mmX5.000in./127mm	5	High Output Chrysler			
6 CYL				304 CID (5.0L) American Motors	1971-1981	3.750in./95.3mmX3.438in./87.33mm	15
173 CID (2.8L) Chevrolet	1984-1987	3.504in./89mmX2.992in./76mm	6	318 CID (5.2L) Chrysler	1993-1998	3.910in./99.3mmX3.313in./84.2mm	16
225 CID (3.7L) Buick	1966-1971	3.750in./95.3mmX3.400in./86.4mm	7	327 CID (5.4L)	1965-1970	4.000in./101.6mmX3.250in./82.6mm	17
226 CID (3.7L) Continental	1947-1963	3.313in./84.1mmX4.375in./111.1mm	8	345 CID (5.7L) EZB	2005	3.917in./99.5mmX3.580in./90.9mm	18
226 CID (3.7L) Flat Head	1947-1954	3.313in./84.1mmX4.375in./111.1mm	8	Chrysler			
226 CID (3.7L) Flat Head	1954	3.313in./84.1mmX4.375in./111.1mm	8	350 CID (5.7L) Buick	1968-1971	3.800in./96.5mmX3.850in./97.8mm	19
Continental Supercharged				360 CID (5.9L) American Motors	1971-1991	4.080in./103.6mmX3.438in./87.33mm	15
226 CID/3701CC (3.7L)	2002-2006	3.661in./93mmX3.575in./90.8mm	9	360 CID (5.9L) Chrysler	1998	4.000in./101.6mmX3.578in./90.8mm	20
EKG SOHC 12 Valve Chrysler				370 CID (6.1L) Chrysler	2006-2007	4.055in./103mmX3.580in./90.9mm	18
230 CID (3.8L) Tornado	1962-1968	3.344in./84.9mmX4.375in./111.1mm	10	401 CID (6.6L) American Motors	1974-1978	4.165in./105.8mmX3.680in./93.5mm	21
232 CID (3.8L) American Motors	1965-1978	3.750in./95.3mmX3.500in./88.9mm	11				
MODEL DATA							
Model	Engine	Years	Block	Model	Engine	Years	Block
4 X 2	134 CID (2.2L) L-Head	1948-1950	2	CJ6	232 CID (3.8L) American Motors	1972-1975	11
4 X 4	134 CID (2.2L) L-Head	1947-1950	2	CJ6	258 CID (4.2L) American Motors	1972-1975	11
6-230	230 CID (3.8L) Tornado	1962-1965	10	CJ6	304 CID (5.0L) American Motors	1972-1975	15
38	134 CID (2.2L) L-Head	1939	2	CJ6A	134 CID (2.2L) F-Head	1964-1968	2
48	134 CID (2.2L) L-Head	1939	2	CJ6A	192 CID (3.1L) 4-192 Perkins Diesel	1968	5
440	134 CID (2.2L) L-Head	1940	2	CJ6A	225 CID (3.7L) Buick	1966-1968	7
441	134 CID (2.2L) L-Head	1941	2	CJ7	150 CID (2.5L)	1983-1986	3
442	134 CID (2.2L) L-Head	1942	2	CJ7	151 CID (2.5L) Carbureted Pontiac	1980-1983	4
454	134 CID (2.2L) F-Head	1954	2	CJ7	232 CID (3.8L) American Motors	1975-1978	11
463	134 CID (2.2L) L-Head	1946-1950	2	CJ7	258 CID (4.2L) American Motors	1975-1986	11
473	134 CID (2.2L) F-Head	1950-1952	2	CJ7	304 CID (5.0L) American Motors	1975-1981	15
473VJ	134 CID (2.2L) F-Head	1952	2	Cherokee	126 CID (2.1L) Turbo Renault Diesel	1984-1996	1
475	134 CID (2.2L) F-Head	1953-1956	2	Cherokee	150 CID (2.5L)	1984-2000	3
654	226 CID (3.7L) Continental	1947-1954	8	Cherokee	173 CID (2.8L) Chevrolet	1984-1987	6
Ace	226 CID (3.7L) Continental	1955	8	Cherokee	232 CID (3.8L) American Motors	1974-1978	11
Aero	226 CID (3.7L) Continental	1954	8	Cherokee	242 CID (4.0L)	1986-2001	12
Americar	134 CID (2.2L) L-Head	1941-1942	2	Cherokee	258 CID (4.2L) American Motors	1974-1983	11
Bermuda	226 CID (3.7L) Continental	1955	8	Cherokee	360 CID (5.9L) American Motors	1974-1983	15
CJ2A	134 CID (2.2L) L-Head	1945-1949	2	Cherokee	401 CID (6.6L) American Motors	1974-1978	21
CJ3A	134 CID (2.2L) L-Head	1949-1952	2	Comanche	126 CID (2.1L) Turbo Renault Diesel	1986-1989	1
CJ3B	134 CID (2.2L) F-Head	1953-1966	2	Comanche	150 CID (2.5L)	1986-1992	3
CJ5	134 CID (2.2L) F-Head	1955-1970	2	Comanche	173 CID (2.8L) Chevrolet	1986-1987	6
CJ5	151 CID (2.5L) Carbureted Pontiac	1980-1983	4	Comanche	242 CID (4.0L)	1986-1992	12
CJ5	192 CID (3.1L) 4-192 Perkins Diesel	1968	5	Comanche	258 CID (4.2L) American Motors	1989-1990	11
CJ5	225 CID (3.7L) Buick	1966-1970	7	Commander	226 CID/3701CC (3.7L) EKG SOHC 12 Valve Chrysler	2006	9
CJ5	232 CID (3.8L) American Motors	1972-1978	11	Commander	287 CID (4.7L) SOHC Chrysler	2006-2007	13
CJ5	258 CID (4.2L) American Motors	1972-1983	11	Custom	226 CID (3.7L) Continental	1955	8
CJ5	304 CID (5.0L) American Motors	1972-1981	15	DJ3A	134 CID (2.2L) L-Head	1956-1966	2
CJ5A	134 CID (2.2L) F-Head	1964-1968	2	DJ5	134 CID (2.2L) F-Head	1965-1970	2
CJ5A	192 CID (3.1L) 4-192 Perkins Diesel	1968	5	DJ5	192 CID (3.1L) 4-192 Perkins Diesel	1968	5
CJ5A	225 CID (3.7L) Buick	1966-1968	7	DJ5	225 CID (3.7L) Buick	1966-1970	7
CJ6	134 CID (2.2L) F-Head	1956-1968	2	DJ5	232 CID (3.8L) American Motors	1972-1973	11
CJ6	192 CID (3.1L) 4-192 Perkins Diesel	1968	5				
CJ6	225 CID (3.7L) Buick	1966-1968	7				



JEEP (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
DJ6	134 CID (2.2L) F-Head	1965-1970	2	Gladiator J4600	350 CID (5.7L) Buick	1970	19
DJ6	192 CID (3.1L) 4-192 Perkins Diesel	1968	5	Gladiator J4600	360 CID (5.9L) American Motors	1971-1973	15
DJ6	225 CID (3.7L) Buick	1966-1970	7	Gladiator J4700	134 CID (2.2L) F-Head	1973	2
F4-134	134 CID (2.2L) F-Head	1957-1965	2	Gladiator J4700	232 CID (3.8L) American Motors	1971-1973	11
FC150	134 CID (2.2L) L-Head	1957-1960	2	Gladiator J4700	258 CID (4.2L) American Motors	1971-1973	11
FC150	134 CID (2.2L) F-Head	1961-1966	2	Gladiator J4700	304 CID (5.0L) American Motors	1971-1972	15
FC170	226 CID (3.7L) Continental	1957-1966	8	Gladiator J4700	350 CID (5.7L) Buick	1971	19
FC170 HD	226 CID (3.7L) Continental	1963-1966	8	Gladiator J4700	360 CID (5.9L) American Motors	1971-1973	15
FJ3	134 CID (2.2L) F-Head	1961-1962	2	Gladiator J4800	134 CID (2.2L) F-Head	1973	2
Frazier	226 CID (3.7L) Flat Head Continental	1947-1951	8	Gladiator J4800	232 CID (3.8L) American Motors	1971-1973	11
Gladiator J200	230 CID (3.8L) Tornado	1963-1965	10	Gladiator J4800	258 CID (4.2L) American Motors	1971-1973	11
Gladiator J300	230 CID (3.8L) Tornado	1963-1965	10	Gladiator J4800	304 CID (5.0L) American Motors	1971-1972	15
Gladiator J2500	134 CID (2.2L) F-Head	1973	2	Gladiator J4800	350 CID (5.7L) Buick	1971	19
Gladiator J2500	230 CID (3.8L) Tornado	1965-1966	10	Gladiator J4800	360 CID (5.9L) American Motors	1971-1973	15
Gladiator J2500	232 CID (3.8L) American Motors	1967-1973	11	Grand Cherokee	226 CID/3701CC (3.7L) EKG SOHC 12 Valve Chrysler	2005-2008	9
Gladiator J2500	258 CID (4.2L) American Motors	1971-1973	11	Grand Cherokee	242 CID (4.0L)	1993-2004	12
Gladiator J2500	304 CID (5.0L) American Motors	1971-1972	15	Grand Cherokee	287 CID (4.7L) SOHC Chrysler	1999-2007	13
Gladiator J2500	327 CID (5.4L)	1965-1970	17	Grand Cherokee	287 CID (4.7L) SOHC High Output Chrysler	2002-2004	14
Gladiator J2500	350 CID (5.7L) Buick	1971	19	Grand Cherokee	318 CID (5.2L) Chrysler	1993-1998	16
Gladiator J2500	360 CID (5.9L) American Motors	1971-1973	15	Grand Cherokee	345 CID (5.7L) EZB Chrysler	2005-2008	18
Gladiator J2600	134 CID (2.2L) F-Head	1973	2	Grand Cherokee	360 CID (5.9L) Chrysler	1998	20
Gladiator J2600	230 CID (3.8L) Tornado	1965-1966	10	Grand Cherokee	370 CID (6.1L) Chrysler	2006-2008	18
Gladiator J2600	232 CID (3.8L) American Motors	1967-1973	11	Grand Wagoneer	242 CID (4.0L)	1993	12
Gladiator J2600	258 CID (4.2L) American Motors	1972-1973	11	Grand Wagoneer	258 CID (4.2L) American Motors	1984-1986	11
Gladiator J2600	304 CID (5.0L) American Motors	1972	15	Grand Wagoneer	318 CID (5.2L) Chrysler	1993	16
Gladiator J2600	327 CID (5.4L)	1965-1970	17	Grand Wagoneer	360 CID (5.9L) American Motors	1984-1991	15
Gladiator J2600	350 CID (5.7L) Buick	1968-1970	19	Grand Wagoneer	134 CID (2.2L) L-Head	1951-1953	2
Gladiator J2600	360 CID (5.9L) American Motors	1972-1973	15	Henry J	232 CID (3.8L) American Motors	1974-1978	11
Gladiator J2700	230 CID (3.8L) Tornado	1965-1966	10	J10	258 CID (4.2L) American Motors	1974-1988	11
Gladiator J2700	232 CID (3.8L) American Motors	1967-1970	11	J10	360 CID (5.9L) American Motors	1974-1988	15
Gladiator J2700	327 CID (5.4L)	1965-1970	17	J10	401 CID (6.6L) American Motors	1974-1978	21
Gladiator J2700	350 CID (5.7L) Buick	1968-1970	19	J20	232 CID (3.8L) American Motors	1974-1978	11
Gladiator J2800	230 CID (3.8L) Tornado	1965-1966	10	J20	258 CID (4.2L) American Motors	1974-1988	11
Gladiator J2800	232 CID (3.8L) American Motors	1967-1968	11	J20	360 CID (5.9L) American Motors	1974-1988	15
Gladiator J2800	327 CID (5.4L)	1965-1968	17	J20	401 CID (6.6L) American Motors	1974-1978	21
Gladiator J2800	350 CID (5.7L) Buick	1968	19	Jeepster	134 CID (2.2L) F-Head	1966-1973	2
Gladiator J3500	230 CID (3.8L) Tornado	1965-1968	10	Jeepster	225 CID (3.7L) Buick	1966-1971	7
Gladiator J3500	232 CID (3.8L) American Motors	1967-1970	11	Jeepster	232 CID (3.8L) American Motors	1972-1973	11
Gladiator J3500	327 CID (5.4L)	1965-1970	17	Jeepster	258 CID (4.2L) American Motors	1971-1973	11
Gladiator J3500	350 CID (5.7L) Buick	1968-1970	19	Jeepster	304 CID (5.0L) American Motors	1972-1973	15
Gladiator J3600	230 CID (3.8L) Tornado	1965-1968	10	Jeepster	350 CID (5.7L) Buick	1971	19
Gladiator J3600	232 CID (3.8L) American Motors	1965-1970	11	Jeepster	360 CID (5.9L) American Motors	1971	15
Gladiator J3600	327 CID (5.4L)	1965-1970	17	Kaiser	226 CID (3.7L) Flat Head Continental	1947-1953	8
Gladiator J3600	350 CID (5.7L) Buick	1968-1970	19	Kaiser	226 CID (3.7L) Flat Head Continental	1954-1955	8
Gladiator J3700	230 CID (3.8L) Tornado	1965-1966	10	L6-226	226 CID (3.7L) Continental	1955-1964	8
Gladiator J3700	232 CID (3.8L) American Motors	1967-1970	11	Liberty	226 CID/3701CC (3.7L) EKG SOHC 12 Valve Chrysler	2002-2008	9
Gladiator J3700	327 CID (5.4L)	1965-1970	17	Scrambler	150 CID (2.5L)	1984-1985	3
Gladiator J3700	350 CID (5.7L) Buick	1968-1970	19	Scrambler	151 CID (2.5L) Carbureted Pontiac	1981-1983	4
Gladiator J3800	230 CID (3.8L) Tornado	1965-1966	10	Scrambler	258 CID (4.2L) American Motors	1981-1985	11
Gladiator J3800	232 CID (3.8L) American Motors	1967-1970	11	TJ	150 CID (2.5L)	1997-2002	3
Gladiator J3800	258 CID (4.2L) American Motors	1971	11	TJ	242 CID (4.0L)	1997-2006	12
Gladiator J3800	304 CID (5.0L) American Motors	1971	15	VJ2	134 CID (2.2L) L-Head	1948-1950	2
Gladiator J3800	327 CID (5.4L)	1965-1970	17	VJ2	134 CID (2.2L) F-Head	1950	2
Gladiator J3800	350 CID (5.7L) Buick	1968-1971	19	VJ3	134 CID (2.2L) L-Head	1948-1950	2
Gladiator J3800	360 CID (5.9L) American Motors	1971	15	VJ3	134 CID (2.2L) F-Head	1950	2
Gladiator J4500	134 CID (2.2L) F-Head	1973	2	Wagoneer	126 CID (2.1L) Turbo Renault Diesel	1984-1990	1
Gladiator J4500	232 CID (3.8L) American Motors	1970-1973	11	Wagoneer	134 CID (2.2L) F-Head	1972-1973	2
Gladiator J4500	258 CID (4.2L) American Motors	1971-1973	11	Wagoneer	150 CID (2.5L)	1984-1990	3
Gladiator J4500	304 CID (5.0L) American Motors	1971-1972	15	Wagoneer	173 CID (2.8L) Chevrolet	1984-1987	6
Gladiator J4500	327 CID (5.4L)	1970	17	Wagoneer	230 CID (3.8L) Tornado	1963-1966	10
Gladiator J4500	350 CID (5.7L) Buick	1970	19	Wagoneer	232 CID (3.8L) American Motors	1966-1978	11
Gladiator J4500	360 CID (5.9L) American Motors	1971-1973	15	Wagoneer	242 CID (4.0L)	1986-1990	12
Gladiator J4600	134 CID (2.2L) F-Head	1973	2				
Gladiator J4600	232 CID (3.8L) American Motors	1970-1973	11				
Gladiator J4600	258 CID (4.2L) American Motors	1971-1973	11				
Gladiator J4600	304 CID (5.0L) American Motors	1971-1972	15				
Gladiator J4600	327 CID (5.4L)	1970	17				



JEEP (Cont.)																	
MODEL DATA (Cont.)																	
Model			Engine		Years	Block	Model			Engine		Years	Block				
Wagoneer			258 CID (4.2L) American Motors		1971-1983	11	Wrangler			150 CID (2.5L)		1987-2002	3				
Wagoneer			304 CID (5.0L) American Motors		1971-1972	15	Wrangler			242 CID (4.0L)		1989-2006	12				
Wagoneer			327 CID (5.4L)		1965-1970	17	Wrangler			258 CID (4.2L) American Motors		1987-1990	11				
Wagoneer			350 CID (5.7L) Buick		1968-1970	19	YJ			150 CID (2.5L)		1987-1996	3				
Wagoneer			360 CID (5.9L) American Motors		1971-1983	15	YJ			242 CID (4.0L)		1991-1996	12				
Wagoneer			401 CID (6.6L) American Motors		1974-1978	21	YJ			258 CID (4.2L) American Motors		1987-1990	11				
CONNECTING ROD FORGING NUMBERS																	
Forging No.			Stroke		Block	Forging No.			Stroke		Block	Forging No.			Stroke		Block
201			3.400in./86.4mm		7	5854			3.680in./93.5mm		21	3144468			3.250in./82.6mm		17
207			3.906in./99.2mm		11	7047			3.680in./93.5mm		21	3144488			3.250in./82.6mm		17
220			3.400in./86.4mm		7	499323			3.000in./76.2mm		4	3145295			3.250in./82.6mm		17
324			3.000in./76.2mm		4	636960			4.375in./111.1mm		2	3172341			3.500in./88.9mm		11
338			3.500in./88.9mm		11	640068			4.375in./111.1mm		2	3172341			3.906in./99.2mm		11
351			3.190in./81.03mm		3	641770			4.375in./111.1mm		2	3173210			3.500in./88.9mm		11
352			3.906in./99.2mm		11	711916			4.375in./111.1mm		10	3173210			3.906in./99.2mm		11
561			3.850in./97.8mm		19	731057			4.375in./111.1mm		10	3180444			3.500in./88.9mm		11
673			3.400in./86.4mm		7	1357201			3.400in./86.4mm		7	3182749			3.500in./88.9mm		11
707			3.500in./88.9mm		11	1357333			3.400in./86.4mm		7	3182749			3.906in./99.2mm		11
707			3.906in./99.2mm		11	1374563			3.850in./97.8mm		19	3182749			3.438in./87.33mm		15
707			3.438in./87.33mm		15	1377248			3.400in./86.4mm		7	3191739			3.680in./93.5mm		21
763			3.400in./86.4mm		7	1618699			3.313in./84.2mm		16	3196750			3.438in./87.33mm		15
779			3.400in./86.4mm		7	2406782			3.313in./84.2mm		16	3197047			3.438in./87.33mm		15
CRANKSHAFT FORGING NUMBERS																	
Forging No.			Stroke		Block	Forging No.			Stroke		Block	Forging No.			Stroke		Block
017			3.000in./76.2mm		4	1254083			3.400in./86.4mm		7	3190079			3.680in./93.5mm		21
264			2.992in./76mm		6	1255645			3.400in./86.4mm		7	3190792			3.680in./93.5mm		21
381			3.000in./76.2mm		4	1255646			3.400in./86.4mm		7	3190792F			3.680in./93.5mm		21
390			3.000in./76.2mm		4	1255674			3.400in./86.4mm		7	3190793			3.680in./93.5mm		21
504			2.992in./76mm		6	1255846			3.400in./86.4mm		7	3190797			3.680in./93.5mm		21
684			3.000in./76.2mm		4	1255862			3.400in./86.4mm		7	3190798			3.680in./93.5mm		21
771			3.000in./76.2mm		4	1257125			3.400in./86.4mm		7	3193816			3.438in./87.33mm		15
777			3.000in./76.2mm		4	1260877			3.400in./86.4mm		7	3195292			3.438in./87.33mm		15
209229			4.375in./111.1mm		8	1261438			3.400in./86.4mm		7	3196921			3.680in./93.5mm		21
230277			3.400in./86.4mm		7	1261787			3.400in./86.4mm		7	3196922			3.680in./93.5mm		21
230278			3.400in./86.4mm		7	1357898			3.400in./86.4mm		7	3199738C			3.906in./99.2mm		11
230378			3.400in./86.4mm		7	1375809			3.850in./97.8mm		19	3199798			3.906in./99.2mm		11
310372			4.375in./111.1mm		2	1378346			3.850in./97.8mm		19	3199842			3.680in./93.5mm		21
378354			3.400in./86.4mm		7	1378351			3.400in./86.4mm		7	3204904			3.500in./88.9mm		11
499311			3.000in./76.2mm		4	1378354			3.400in./86.4mm		7	3208627			3.500in./88.9mm		11
630320			4.375in./111.1mm		2	2532457			3.313in./84.2mm		16	3208794			3.500in./88.9mm		11
635280			4.375in./111.1mm		2	2558393			3.313in./84.2mm		16	3208795			3.680in./93.5mm		21
635380			4.375in./111.1mm		2	2656278			3.313in./84.2mm		16	3213754			3.438in./87.33mm		15
638121			4.375in./111.1mm		2	2658393			3.313in./84.2mm		16	3214722			3.500in./88.9mm		11
641127			4.375in./111.1mm		2	3144388			3.250in./82.6mm		17	3214723			3.906in./99.2mm		11
646318			4.375in./111.1mm		2	3159292			3.438in./87.33mm		15	3214724			3.438in./87.33mm		15
732596			4.375in./111.1mm		8	3160035			3.500in./88.9mm		11	3214725			3.680in./93.5mm		21
733536			4.375in./111.1mm		8	3169034			3.500in./88.9mm		11	3220411			3.680in./93.5mm		21
733863			4.375in./111.1mm		8	3172218			3.500in./88.9mm		11	3235477			3.906in./99.2mm		11
734452			4.375in./111.1mm		8	3172218R			3.500in./88.9mm		11	3239611			3.190in./81.03mm		3
734542			4.375in./111.1mm		8	3178451C			3.438in./87.33mm		15	3418640			3.578in./90.8mm		20
928928			4.375in./111.1mm		10	3188945			3.500in./88.9mm		11	3418840-2			3.578in./90.8mm		20
934652			4.375in./111.1mm		10	3188947			3.500in./88.9mm		11	3418995			3.578in./90.8mm		20
COUNTER DATA						SHOP DATA											
Bearing or Position		Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter		Vert. Oil Clearance		Max. Wall	Brg. O.D. or Housing Bore		Max Length				
4 CYL																	
1		126 CID (2.1L) Turbo Renault Turbocharged Diesel 4 Cyl (1985-1990)								3.386in./86mm x 3.504in./89mm				1			
Rod Bearing(4)		AL-3	CB-1311AL	STD.,.25mm		2.2152/2.2160		0.0017/0.0043		0.0725	2.3622/2.3630		0.8170				
Main Bearing Set 1-2-3-4-5		AL-3	MS-1541AL-.25mm MB-2779AL-.25MM		2.4753/2.4761		0.0015/0.0030		0.0736	2.6247/2.6255		0.9170					
NOTE: Crankshaft Journal Number 1 Is At The Rear Of Engine, Flywheel End.,Requires Thrust Washer Set, Not Included, Use With Part Number TW-343S																	



JEEP (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
1 (Cont.)	126 CID (2.1L) Turbo Renault Turbocharged Diesel 4 Cyl (1985-1990)				3.386in./86mm x 3.504in./89mm			1 (Cont.)
Connecting Rod		48 Lbs.Ft.						
Main Bearing		69 Lbs.Ft.						
2	134 CID (2.2L) F-Head 4 Cyl (1950-1973)				3.125in./79.4mm x 4.375in./111.1mm			2
		134 CID (2.2L) L-Head 4 Cyl (1939-1966)		3.125in./79.4mm x 4.375in./111.1mm				
Rod Bearing(4)		TM-77	CB-236P	STD,10,20,30,40,50,C60	1.9375/1.9383	0.0008/0.0030	0.0523	2.0432/2.0440
NOTE: From Engine Serial Number		88769						
Main Bearing Set		TM-77	MS-115P	STD,10,20,30,40				
1		MB-883P(F)		2.3331/2.3341	0.0006/0.0032	0.0823	2.4990/2.5000	1.9210
2		MB-884P		2.3331/2.3341	0.0006/0.0032	0.0773	2.4890/2.4900	1.8170
3		MB-885P		2.3331/2.3341	0.0006/0.0032	0.0723	2.4790/2.4800	1.7550
Cam Bearing Set		B-1	SH-69S	STD				
		SH-69		2.1855/2.1860	0.0010/0.0040	0.0640	2.3165/2.3175	1.1350
NOTE: Contains 1 Bearing, Order As Required								
Rod Forging		636960, 640068, 641770						
C/S Forging		EAF, GPW, 310372, 630320, 635280, 635380, 638121, 641127, 646318						
Connecting Rod		35 To 45 Lbs.Ft. (3/8" Bolts)						
Connecting Rod		50 To 55 Lbs.Ft. (7/16" Bolts)						
Main Bearing		65 To 75 Lbs.Ft.						
3	150 CID (2.5L) 4 Cyl (1983-2002)				3.875in./98.4mm x 3.190in./81.03mm			3
Rod Bearing(4)		TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085
Main Bearing Set			MS-1568P	STD,10,20,30,40				
1-3-4-5		MB-2263P		2.4996/2.5001	0.0006/0.0031	0.0953	2.6910/2.6920	0.9860
2		MB-2264P(F)		2.4996/2.5001	0.0006/0.0031	0.0953	2.6910/2.6920	1.2700
NOTE: 1983-1990								
Main Bearing Set		TM-77	MS-1948P	STD,10,20,30				
1-3-4-5		MB-3337P		2.4996/2.5001	0.0006/0.0031	0.0953	2.6910/2.6920	0.9860
2		MB-3338P(F)		2.4996/2.5001	0.0003/0.0028	0.0953	2.6910/2.6920	1.2700
NOTE: 1991-2002								
Cam Bearing Set		B-1	SH-1980S	STD				
1		SH-1980		2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6950
2		SH-550		2.0195/2.0205	0.0010/0.0050	0.0620	2.1455/2.1465	0.7050
3		SH-551		2.0095/2.0105	0.0010/0.0050	0.0620	2.1355/2.1365	0.7050
4		SH-552		1.9995/2.0005	0.0010/0.0050	0.0620	2.1255/2.1265	0.7050
Rod Forging		351						
C/S Forging		3239611						
Connecting Rod		33 Lbs.Ft.						
Main Bearing		80 Lbs.Ft.						
4	151 CID (2.5L) Carbureted Pontiac 4 Cyl (1980-1983)				4.000in./101.6mm x 3.000in./76.2mm			4
Rod Bearing(4)		TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252
Main Bearing Set		TM-77	MS-1733P	STD,1,10,20,30,40				
1-2-3-4		MB-3135P		2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
5		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Cam Bearing Set		AL-3	SH-1030S	STD,10				
1-2-3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
Rod Forging		324, 499323						
C/S Forging		017, 381, 390, 684, 771, 777, 499311, 4992111, 4993111						
Connecting Rod		30 Lbs.Ft. (Except Cross Flow Cylinder Heads)						
Connecting Rod		32 Lbs.Ft. (Cross Flow Cylinder Heads)						
Main Bearing		65 Lbs.Ft. (Except Cross Flow Cylinder Heads)						
Main Bearing		70 Lbs.Ft. (Cross Flow Cylinder Heads)						
5	192 CID (3.1L) 4-192 Perkins Diesel 4 Cyl (1968)				3.504in./89mm x 5.000in./127mm			5
Rod Bearing(4)		AL-3	CB-560AL	STD,10,20,30,40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955
Main Bearing Set		AL-3	MS-773AL	STD,10,20				
1		MB-2186AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.3050
2-4		MB-2187AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.0000
3-5		MB-2302AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.6050
NOTE: Requires Thrust Washer Set, Not Included								



JEEP (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
5 (Cont.)	192 CID (3.1L) 4-192 Perkins Diesel 4 Cyl (1968)			3.504in./89mm x 5.000in./127mm					5 (Cont.)
Thrust Washer Set		TW-119S MB-2188W(L) MB-2188W(U)	STD	3.0450/3.0550 3.0450/3.0550			3.5520/3.5620 3.5520/3.5620	0.1230 0.1230	
NOTE: From Engine Serial Number 2096900, Contains 4 Pieces, Position Number 5									
Thrust Washer Set		TW-130S MB-2292W(L) MB-2292W(U)	STD	3.0450/3.0550 3.0450/3.0550			3.5520/3.5620 3.5520/3.5620	0.1230 0.1230	
NOTE: From Engine Serial Number 2105860, Contains 4 Pieces, Position Number 5									
6 CYL									
6	173 CID (2.8L) Chevrolet V6 Cyl (1984-1987)			3.504in./89mm x 2.992in./76mm					6
Rod Bearing(6)	AL-5	CB-1238A-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0623	2.1245/2.1255	0.7205	
Rod Bearing(6)	TM-77	CB-1238P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm	1.9984/1.9994	0.0005/0.0035	0.0623	2.1245/2.1255	0.7205	
Rod Bearing(6)	AL-5	CB-1797A-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0633	2.1265/2.1275	0.7205	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Rod Bearing(6)	TM-77	CB-1797P-.25mm	.50mm,.75mm	1.9984/1.9994	0.0005/0.0035	0.0633	2.1265/2.1275	0.7205	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	TM-77	MS-1494P	STD,.25mm,.50mm,.75mm,1.00mm						
1		MB-2806P		2.4937/2.4946	0.0011/0.0040	0.0958	2.6870/2.6880	0.9700	
2		MB-2807P		2.4937/2.4946	0.0011/0.0040	0.0958	2.6870/2.6880	0.7420	
3		MB-2808P(F)		2.4937/2.4946	0.0011/0.0040	0.0958	2.6870/2.6880	0.9420	
4		MB-2809P		2.4937/2.4946	0.0011/0.0040	0.0958	2.6870/2.6880	1.2480	
NOTE: 1st Design Main Bearings,63.3mm Journals									
Main Bearing Set	AL-5	MS-2037A-.25mm	.50mm,.75mm						
1-4		MB-3511A		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9770	
2		MB-3512A		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.7380	
3		MB-3513A(F)		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9420	
NOTE: 2nd Design Main Bearings,67.2mm Journals									
Main Bearing Set	TM-77	MS-2037P	STD,.25mm,.50mm,.75mm,1.00mm						
1-4		MB-3511P		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9770	
2		MB-3512P		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.7380	
3		MB-3513P(F)		2.6473/2.6479	0.0015/0.0036	0.0958	2.8407/2.8412	0.9420	
NOTE: 2nd Design Main Bearings,67.2mm Journals									
Cam Bearing Set	AL-3	SH-1364S	STD,80						
1		SH-1362		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340	
2-3		SH-1363		1.8677/1.8697	0.0015/0.0041	0.0640	1.9990/2.0010	0.6940	
4		SH-1364		1.8677/1.8697	0.0015/0.0041	0.0690	2.0090/2.0110	0.6340	
C/S Forging 264, 504									
Connecting Rod 34 To 40 Lbs.Ft.									
Main Bearing 63 To 74 Lbs.Ft.									
7	225 CID (3.7L) Buick V6 Cyl (1966-1971)			3.750in./95.3mm x 3.400in./86.4mm					7
Rod Bearing(6)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420	
Main Bearing Set	TM-77	MS-960P	STD,1,10,20,30						
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
2		MB-2434P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0580	
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
Main Bearing Set	TM-77	MS-1688P-10	20						
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
2		MB-3063P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0780	
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
NOTE: Contains .020" Oversize Length Flanged Bearing									
Main Bearing Set	TM-77	MS-1747P-10	20,30						
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
2		MB-3125P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0680	
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690	
NOTE: Contains .010" Oversize Length Flanged Bearing									



JEEP (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
7 (Cont.)	225 CID (3.7L) Buick V6 Cyl (1966-1971)			3.750in./95.3mm x 3.400in./86.4mm				7 (Cont.)
Cam Bearing Set	B-1	SH-506S	STD					
1		SH-506		1.7550/1.7560	0.0010/0.0060	0.0643	1.8855/1.8875	0.7600
2		SH-363		1.7250/1.7260	0.0010/0.0060	0.0643	1.8555/1.8575	0.7600
3		SH-364		1.6950/1.6960	0.0010/0.0060	0.0643	1.8255/1.8275	0.7600
4		SH-365		1.6650/1.6660	0.0010/0.0060	0.0643	1.7955/1.7975	0.7600
Rod Forging	201, 220, 673, 763, 779, 1357201, 1357333, 1377248, 25509405							
C/S Forging	230277, 230278, 230378, 378354, 1254083, 1255645, 1255646, 1255674, 1255846, 1255862, 1257125, 1260877, 1261438, 1261787, 1357898, 1378351, 1378354, 25505554, 25506397, 25506818, 25509404, 25514290, 25520329							
Connecting Rod	30 To 40 Lbs.Ft.							
Main Bearing	65 To 70 Lbs.Ft. (Thru 1964)							
Main Bearing	95 To 120 Lbs.Ft. (From 1965)							
8	226 CID (3.7L) Continental 6 Cyl (1947-1963)			3.313in./84.1mm x 4.375in./111.1mm				8
	226 CID (3.7L) Flat Head Continental 6 Cyl (1947-1954)			3.313in./84.1mm x 4.375in./111.1mm				
	226 CID (3.7L) Flat Head Continental Supercharged 6 Cyl (1954)			3.313in./84.1mm x 4.375in./111.1mm				
Rod Bearing(3)	TM-77	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Positions 1,3, And 5								
Rod Bearing(3)	TM-77	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Positions 2,4, And 6								
Main Bearing Set	TM-77	MS-889P	STD,10,20,30					
1		MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2-3		MB-1225P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5615/2.5622	1.3170
4		MB-1686P(F)		2.3744/2.3752	0.0005/0.0023	0.0932	2.5616/2.5622	1.6320
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
Bushing(6)								
NOTE: Requires Light Reaming								
Rod Forging	F226-400, F226D-400, F600D-210, F600D-310, F600D-400, F600D-402, F600D-405, F600G-402							
C/S Forging	209229, 732596, 733536, 733863, 734452, 734542, F600C-217, F600C-502, F600C-600, F600C-601, F600C-600, F600C-500A, F600C-502A, F600C-506A, F600C-606C							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	75 To 80 Lbs.Ft.							
9	226 CID/3701CC (3.7L) EKG SOHC 12 Valve Chrysler V6 Cyl (2002-2006)			3.661in./93mm x 3.575in./90.8mm				9
Rod Bearing(6)	TM-77	CB-1818P	STD,.25mm,.50mm	2.2794/2.2797	0.0010/0.0027	0.0645	2.4092/2.4096	0.6547
Rod Bearing(6)	TM-77	CB-1819P-.25mm	.50mm	2.2794/2.2797	0.0010/0.0027	0.0655	2.4112/2.4116	0.6547
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-2244P	STD,.25mm,.50mm					
1-2-3-4		MB-3790P		2.4998/2.5002	0.0002/0.0013	0.0962	2.6927/2.6931	0.8120
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-608S								
Thrust Washer Set		TW-608S	STD					
		MB-3771W						0.0980
NOTE: Contains 2 Piece Thrust Washer Set, Use In Number 3 Position, Use With Part Number MS-2244P								
Balance Shaft	AL-3	SH-1997S	STD					
Bearing Set								
Front		SH-1997		2.2042/2.2052	0.0026/0.0067	0.0725	2.3528/2.3539	0.7150
Rear		SH-1998		1.1412/1.1422	0.0016/0.0057	0.0730	1.2898/1.2909	0.7100
10	230 CID (3.8L) Tornado 6 Cyl (1962-1968)			3.344in./84.9mm x 4.375in./111.1mm				10
Piston Pin	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
Bushing(6)								
NOTE: Requires Light Reaming								
Piston Pin	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
Bushing(6)								
NOTE: Requires Boring								
Rod Forging	711916, 731057							
C/S Forging	928928, 934652							



JEEP (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
10 (Cont.)	230 CID (3.8L) Tornado 6 Cyl (1962-1968)				3.344in./84.9mm x 4.375in./111.1mm			10 (Cont.)
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	85 To 95 Lbs.Ft.							
11	232 CID (3.8L) American Motors 6 Cyl (1965-1978)				3.750in./95.3mm x 3.500in./88.9mm			11
	258 CID (4.2L) American Motors 6 Cyl (1971-1990)				3.750in./95.3mm x 3.906in./99.2mm			
Rod Bearing(6)	TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set	TM-77	MS-704P	STD,10,20,30,40					
1-2-4-5-6-7		MB-2263P		2.4996/2.5001	0.0006/0.0031	0.0953	2.6910/2.6920	0.9860
3		MB-2264P(F)		2.4996/2.5001	0.0006/0.0031	0.0953	2.6910/2.6920	1.2700
Cam Bearing Set	B-1	SH-1980S	STD					
1		SH-1980		2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6950
2		SH-550		2.0195/2.0205	0.0010/0.0050	0.0620	2.1455/2.1465	0.7050
3		SH-551		2.0095/2.0105	0.0010/0.0050	0.0620	2.1355/2.1365	0.7050
4		SH-552		1.9995/2.0005	0.0010/0.0050	0.0620	2.1255/2.1265	0.7050
Rod Forging	207, 338, 352, 707, 3172341, 3173210, 3180444, 3182749							
C/S Forging	3160035, 3169034, 3172218, 3188945, 3188947, 3199798, 3204904, 3208627, 3208794, 3214722, 3214723, 3235477, RD67703, 3172218R, 3199738C							
Connecting Rod	30 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
12	242 CID (4.0L) 6 Cyl (1987-2001)				3.875in./98.4mm x 3.406in./86.5mm			12
Rod Bearing(6)	TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set	TM-77	MS-704P	STD,10,20,30,40					
1-2-4-5-6-7		MB-2263P		2.4996/2.5001	0.0006/0.0031	0.0953	2.6910/2.6920	0.9860
3		MB-2264P(F)		2.4996/2.5001	0.0006/0.0031	0.0953	2.6910/2.6920	1.2700
NOTE: 1987-1990								
Main Bearing Set	TM-77	MS-1947P	STD,10,20,30					
1-2-4-5-6-7		MB-3337P		2.4996/2.5001	0.0006/0.0031	0.0953	2.6910/2.6920	0.9860
3		MB-3338P(F)		2.4996/2.5001	0.0003/0.0028	0.0953	2.6910/2.6920	1.2700
NOTE: 1991-2001								
Cam Bearing Set	B-1	SH-1980S	STD					
1		SH-1980		2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6950
2		SH-550		2.0195/2.0205	0.0010/0.0050	0.0620	2.1455/2.1465	0.7050
3		SH-551		2.0095/2.0105	0.0010/0.0050	0.0620	2.1355/2.1365	0.7050
4		SH-552		1.9995/2.0005	0.0010/0.0050	0.0620	2.1255/2.1265	0.7050
8 CYL								
13	287 CID (4.7L) SOHC Chrysler V8 Cyl (1999-2006)				3.661in./93mm x 3.406in./86.5mm			13
Rod Bearing(8)	TM-77	CB-1784P	STD,.25mm,.50mm	2.0075/2.0082	0.0008/0.0025	0.0586	2.1257/2.1262	0.6547
Rod Bearing(8)	TM-77	CB-1804P-.25mm	.50mm	2.0075/2.0082	0.0004/0.0018	0.0596	2.1277/2.1282	0.6547
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1854P	STD,.25mm,.50mm	2.0075/2.0082	0.0008/0.0025	0.0586	2.1257/2.1262	0.6547
NOTE: Bearings Are Lug Less								
Rod Bearing(8)	TM-77	CB-1855P-.25mm	.50mm	2.0075/2.0082	0.0004/0.0018	0.0596	2.1277/2.1282	0.6547
NOTE: 2005, Connecting Rods With Housing Bore Resized .002" Larger Than Stock, Bearings Are Lug Less								
Main Bearing Set	TM-77	MS-2216P	STD,.25mm,.50mm					
1-2-3-4-5		MB-3771P		2.4998/2.5002	0.0002/0.0013	0.0962	2.6927/2.6931	0.8120
NOTE: VIN N, Requires Thrust Washer Set, Not Included, Use With Part Number TW-608S								
Thrust Washer Set		TW-608S	STD					
		MB-3771W						0.0980
NOTE: 1999-2005, Contains 2 Piece Thrust Washer Set, Use In Number 3 Position, Use With Part Number MS-2216P								
Cam Bearing Set(2)	B-1	SH-2020S	STD					
		SH-2020		1.0227/1.0235		0.4180	1.1080/1.1090	0.5900
NOTE: Contains 5 Upper Halves And 5 Lower Halves, Each Set Will Service One Cylinder Head,Notching Of The Head And Cap For Locating Lug Will Be Required, Housing Bores Will Need To Be Resized								
14	287 CID (4.7L) SOHC High Output Chrysler V8 Cyl (2002-2004)				3.661in./93mm x 3.406in./86.5mm			14
Rod Bearing(8)	TM-77	CB-1784P	STD,.25mm,.50mm	2.0075/2.0082	0.0008/0.0025	0.0586	2.1257/2.1262	0.6547
Rod Bearing(8)	TM-77	CB-1804P-.25mm	.50mm	2.0075/2.0082	0.0004/0.0018	0.0596	2.1277/2.1282	0.6547
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								



JEEP (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
14 (Cont.)	287 CID (4.7L) SOHC High Output Chrysler V8 Cyl (2002-2004)				3.661in./93mm x 3.406in./86.5mm			14 (Cont.)
Rod Bearing(8) NOTE: Bearings Are Lug Less	TM-77	CB-1854P	STD,.25mm,.50mm	2.0075/2.0082	0.0008/0.0025	0.0586	2.1257/2.1262	0.6547
Rod Bearing(8) NOTE: 2005, Connecting Rods With Housing Bore Resized .002" Larger Than Stock, Bearings Are Lug Less	TM-77	CB-1855P-.25mm	.50mm	2.0075/2.0082	0.0004/0.0018	0.0596	2.1277/2.1282	0.6547
Main Bearing Set 1-2-3-4-5 NOTE: VIN J, Requires Thrust Washer Set, Not Included, Use With Part Number TW-608S	TM-77	MS-2242P MB-3790P	STD,.25mm,.50mm	2.4998/2.5002	0.0002/0.0013	0.0962	2.6927/2.6931	0.8120
Thrust Washer Set NOTE: Contains 2 Piece Thrust Washer Set, Use In Number 3 Position, Use With Part Number MS-2242P		TW-608S MB-3771W	STD					0.0980
Cam Bearing Set(2) NOTE: Contains 5 Upper Halves And 5 Lower Halves, Each Set Will Service One Cylinder Head, Notching Of The Head And Cap For Locating Lug Will Be Required, Housing Bores Will Need To Be Resized	B-1	SH-2020S SH-2020	STD	1.0227/1.0235		0.4180	1.1080/1.1090	0.5900
15	304 CID (5.0L) American Motors V8 Cyl (1971-1981)				3.750in./95.3mm x 3.438in./87.33mm			15
	360 CID (5.9L) American Motors V8 Cyl (1971-1991)				4.080in./103.6mm x 3.438in./87.33mm			
Rod Bearing(8)	TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set 1-2-4-5 3	TM-77	MS-1041P MB-2579P MB-2578P(F)	STD,10,20,30	2.7474/2.7489 2.7474/2.7489	0.0006/0.0038 0.0006/0.0038	0.0959 0.0959	2.9410/2.9417 2.9410/2.9417	0.9280 1.2700
Cam Bearing Set 1 2 3 4 5	B-1	SH-671S SH-671 SH-672 SH-673 SH-674 SH-675	STD	2.1195/2.1205 2.0895/2.0905 2.0595/2.0605 2.0295/2.0305 1.9995/2.0005	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0620 0.0620 0.0620 0.0620 0.0620	2.2455/2.2465 2.2155/2.2165 2.1855/2.1865 2.1555/2.1565 2.1255/2.1265	0.9350 0.6400 0.6400 0.6400 0.6400
Rod Forging C/S Forging	707, 3182749, 3196750, 3197047 3159292, 3193816, 3195292, 3213754, 3214724, 4487237, RD51261, RDJ1261, 3178451C							
Connecting Rod Connecting Rod Main Bearing Main Bearing	30 Lbs.Ft. (360 CID (5.9L)) 95 To 105 Lbs.Ft. (304 CID (5.0L) 8.4 to 1 Compression) 30 To 35 Lbs.Ft. (304 CID (5.0L) 8.4 to 1 Compression) 95 To 105 Lbs.Ft. (360 CID (5.9L))							
16	318 CID (5.2L) Chrysler V8 Cyl (1993-1998)				3.910in./99.3mm x 3.313in./84.2mm			16
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(8) NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0007/0.0032	0.0634	2.2520/2.2525	0.8480
Main Bearing Set 1-2-4 3 5	TM-77	MS-1344P MB-2283P MB-2620P(F) MB-2559P	STD,10,20,30	2.4995/2.5005 2.4995/2.5005 2.4995/2.5005	0.0005/0.0026 0.0004/0.0025 0.0005/0.0026	0.0959 0.0958 0.0959	2.6925/2.6930 2.6925/2.6930 2.6925/2.6930	0.8770 1.1520 1.3270
Cam Bearing Set 1 2 3 4 5	B-1	SH-1112S SH-875 SH-1112 SH-1113 SH-1114 SH-329	STD	1.9980/1.9990 1.9820/1.9830 1.9670/1.9680 1.9510/1.9520 1.5605/1.5615	0.0015/0.0055 0.0015/0.0055 0.0015/0.0055 0.0015/0.0055 0.0005/0.0045	0.0645 0.0645 0.0645 0.0645 0.0650	2.1295/2.1305 2.1135/2.1145 2.0985/2.0995 2.0825/2.0835 1.6920/1.6930	0.9000 0.6300 0.6300 0.6300 0.9500
Piston Pin Bushing(8) NOTE: Requires Boring	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400
Rod Forging C/S Forging	1618699, 2406782, 3418645 2532457, 2558393, 2656278, 2658393, 3462387, 3482387, 3751841							
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 85 Lbs.Ft.							
17	327 CID (5.4L) V8 Cyl (1965-1970)				4.000in./101.6mm x 3.250in./82.6mm			17
Rod Bearing(8)	TM-77	CB-507P	STD,10,20	2.2483/2.2490	0.0012/0.0030	0.0624	2.3745/2.3750	0.9020



JEEP (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
17 (Cont.)	327 CID (5.4L) V8 Cyl (1965-1970)				4.000in./101.6mm x 3.250in./82.6mm				17 (Cont.)
Rod Forging	3144468, 3144488, 3145295								
C/S Forging	3144388								
Connecting Rod	46 To 50 Lbs.Ft.								
Main Bearing	50 To 55 Lbs.Ft. (Rear Bearing Cap)								
Main Bearing	80 To 85 Lbs.Ft. (Except Rear Bearing Cap)								
18	345 CID (5.7L) EZB Chrysler V8 Cyl (2005-2007)				3.917in./99.5mm x 3.580in./90.9mm				18
	370 CID (6.1L) Chrysler V8 Cyl (2006-2007)				4.055in./103mm x 3.580in./90.9mm				
Rod Bearing(8)	TM-77	CB-1808P	STD,.25mm,.50mm	2.1257/2.1263	0.0008/0.0029	0.0626	2.2522/2.2527	0.7910	
Rod Bearing(8)	TM-77	CB-1809P-.25mm	.50mm	2.1257/2.1263	0.0008/0.0029	0.0636	2.2542/2.2547	0.7910	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	TM-77	MS-2220P	STD,.25mm,.50mm	2.5589/2.5592	0.0005/0.0023	0.0962	2.7517/2.7522	0.8510	
1-2-3-4-5		MB-3780P							
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-611S									
Thrust Washer Set		TW-611S	STD	2.8600/2.8800			3.6760	0.1018	
		MB-3780W							
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-2220P									
Cam Bearing Set		SH-1990S	STD	2.2906/2.2913	0.0013/0.0050	0.0650	2.4226/2.4236	0.6830	
1		SH-1990							
2		SH-1991							
3		SH-1992							
4		SH-1993							
5		SH-1994							
19	350 CID (5.7L) Buick V8 Cyl (1968-1971)								
Rod Bearing(8)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420	
Main Bearing Set	TM-77	MS-1457P	STD,10,20	2.9995/3.0005	0.0008/0.0038	0.0935	3.1880/3.1890	0.8700	
1		MB-2760P							
2-4		MB-2448P							
3		MB-2449P(F)							
5		MB-2484P							
Cam Bearing Set	AL-3	SH-1361S	STD,10	1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.7600	
1		SH-1360							
2-3-4-5		SH-1361							
Rod Forging	561, 1374563								
C/S Forging	1375809, 1378346								
Connecting Rod	35 Lbs.Ft.								
Main Bearing	95 Lbs.Ft.								
20	360 CID (5.9L) Chrysler V8 Cyl (1998)				4.000in./101.6mm x 3.578in./90.8mm				20
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480	
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0007/0.0032	0.0634	2.2520/2.2525	0.8480	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	TM-77	MS-1266P	STD,10,20,30	2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	0.8770	
1-2-4		MB-2622P							
3		MB-2623P(F)							
5		MB-2624P							
Cam Bearing Set	B-1	SH-1112S	STD	1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000	
1		SH-875							
2		SH-1112							
3		SH-1113							
4		SH-1114							
5		SH-329							
C/S Forging	3418640, 3418995, 4027169, 3418840-2								
Connecting Rod	45 Lbs.Ft.								
Main Bearing	85 Lbs.Ft.								
21	401 CID (6.6L) American Motors V8 Cyl (1974-1978)				4.165in./105.8mm x 3.680in./93.5mm				21
Rod Bearing(8)	TM-77	CB-819P	STD,10,20,30	2.2478/2.2485	0.0019/0.0041	0.0623	2.3745/2.3750	0.8050	
Main Bearing Set	TM-77	MS-1041P	STD,10,20,30	2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	0.9280	
1-2-4-5		MB-2579P							
3		MB-2578P(F)							



JEEP (Cont.)				
COUNTER DATA				SHOP DATA
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter Vert. Oil Clearance Max. Wall Brg. O.D. or Housing Bore Max Length
8 CYL (Cont.)				
21 (Cont.)	401 CID (6.6L) American Motors V8 Cyl (1974-1978)			4.165in./105.8mm x 3.680in./93.5mm
21 (Cont.)				
Cam Bearing Set	B-1	SH-671S	STD	
1		SH-671		2.1195/2.1205 0.0010/0.0050 0.0620 2.2455/2.2465 0.9350
2		SH-672		2.0895/2.0905 0.0010/0.0050 0.0620 2.2155/2.2165 0.6400
3		SH-673		2.0595/2.0605 0.0010/0.0050 0.0620 2.1855/2.1865 0.6400
4		SH-674		2.0295/2.0305 0.0010/0.0050 0.0620 2.1555/2.1565 0.6400
5		SH-675		1.9995/2.0005 0.0010/0.0050 0.0620 2.1255/2.1265 0.6400
Rod Forging	5854, 7047, 3191739, 3215845			
C/S Forging	3190079, 3190792, 3190793, 3190797, 3190798, 3196921, 3196922, 3199842, 3208795, 3214725, 3220411, 4487238, 3190792F			
Connecting Rod	35 To 40 Lbs.Ft.			
Main Bearing	95 To 100 Lbs.Ft.			

JOHN DEERE				
ENGINE DATA				
Engine	Bore & Stroke	Block	Engine	Bore & Stroke Block
2 CYL			4 CYL (Cont.)	
50 190 CID (3.1L) Flex	4.687in./119.1mmX5.500in./139.7mm	2	4239T 239 CID (3.9L) Diesel	4.188in./106.4mmX4.328in./109.9mm 19
60 321 CID (5.3L)	5.500in./139.7mmX6.750in./171.5mm	6	Turbocharged	
70 378 CID (6.2L) Diesel	6.125in./155.6mmX6.375in./161.9mm	7	4270D 270 CID (4.4L) Diesel	4.250in./108mmX4.750in./120.7mm 21
113 113 CID (1.9L)	4.250in./108mmX4.000in./101.6mm	1	4276D 276 CID (4.5L) Diesel	4.188in./106.4mmX5.000in./127mm 22
520 190 CID (3.1L)	4.687in./119.1mmX5.500in./139.7mm	3	4276T 276 CID (4.5L) Diesel	4.188in./106.4mmX5.000in./127mm 22
530 190 CID (3.1L)	4.687in./119.1mmX5.500in./139.7mm	3	Turbocharged	
620 303 CID (5.0L)	5.500in./139.7mmX6.375in./161.9mm	4	6 CYL	
630 303 CID (5.0L)	5.500in./139.7mmX6.375in./161.9mm	4	6-71 Detroit Diesel 426 CID (7.0L)	4.250in./108mmX5.000in./127mm 35
720 362 CID (5.9L)	6.000in./152.4mmX6.375in./161.9mm	7	Diesel Supercharged	
720 378 CID (6.2L) Diesel	6.125in./155.6mmX6.375in./161.9mm	7	6-71E Detroit Diesel 426 CID (7.0L)	4.250in./108mmX5.000in./127mm 35
730 362 CID (5.9L)	6.000in./152.4mmX6.375in./161.9mm	7	Diesel Supercharged	
730 378 CID (6.2L) Diesel	6.125in./155.6mmX6.375in./161.9mm	7	217 217 CID (3.6L)	3.625in./92.1mmX3.500in./88.9mm 23
A 309 CID (5.1L)	5.500in./139.7mmX6.500in./165.1mm	5	217 217 CID (3.6L) CNG	3.625in./92.1mmX3.500in./88.9mm 23
B 175 CID (2.9L)	4.500in./114.3mmX5.500in./139.7mm	2	217 217 CID (3.6L) LPG	3.625in./92.1mmX3.500in./88.9mm 23
M 100.5 CID (1.6L)	4.000in./101.6mmX4.000in./101.6mm	1	248 248 CID (4.1L) Diesel	3.875in./98.4mmX3.500in./88.9mm 26
3 CYL			248 248 CID (4.1L)	3.875in./98.4mmX3.500in./88.9mm 25
3135G 135 CID (2.2L)	3.858in./98mmX3.858in./98mm	8	248 248 CID (4.1L) LPG	3.875in./98.4mmX3.500in./88.9mm 25
3152D 152 CID (2.5L) Diesel	3.858in./98mmX4.328in./109.9mm	9	301 301 CID (4.9L)	4.000in./101.6mmX4.000in./101.6mm 27
3164D 164 CID (2.7L) Diesel	4.020in./102.108mmX4.328in./109.9mm	10	362 362 CID (5.9L)	4.250in./108mmX4.000in./101.6mm 31
3164G 164 CID (2.7L)	4.020in./102.108mmX4.328in./109.9mm	11	381 381 CID (6.2L) Diesel	4.125in./104.8mmX4.750in./120.7mm 32
3179D 179 CID (2.9L) Diesel	4.188in./106.4mmX4.328in./109.9mm	12	6303D 303 CID (5.0L) Diesel	3.858in./98mmX4.328in./109.9mm 28
4 CYL			6303G 303 CID (5.0L)	3.858in./98mmX4.330in./110mm 29
115 115 CID (1.9L)	3.500in./88.9mmX3.000in./76.2mm	13	6303L 303 CID (5.0L) LPG	3.858in./98mmX4.328in./109.9mm 29
145 145 CID (2.4L)	3.625in./92.1mmX3.500in./88.9mm	13	6329D 329 CID (5.4L) Diesel	4.020in./102.108mmX4.328in./109.9mm 28
145 145 CID (2.4L) Diesel	3.625in./92.1mmX3.500in./88.9mm	13	6329G 329 CID (5.4L)	4.020in./102.108mmX4.330in./110mm 29
145 145 CID (2.4L) LPG	3.625in./92.1mmX3.500in./88.9mm	13	6329T 329 CID (5.4L) Diesel	4.016in./102mmX4.330in./110mm 30
155 155 CID (2.5L) Diesel	3.750in./95.3mmX3.500in./88.9mm	13	Turbocharged	
165 165 CID (2.7L)	3.875in./98.4mmX3.500in./88.9mm	13	6341 341 CID (5.6L)	4.250in./108mmX4.000in./101.6mm 27
165 165 CID (2.7L) Diesel	3.875in./98.4mmX3.500in./88.9mm	13	6359D 359 CID (5.9L) Diesel	4.188in./106.4mmX4.330in./110mm 28
201 201 CID (3.3L)	4.000in./101.6mmX4.000in./101.6mm	15	6359T 359 CID (5.9L) Diesel	4.188in./106.4mmX4.330in./110mm 28
227 227 CID (3.7L)	4.250in./108mmX4.000in./101.6mm	15	Turbocharged	
254 254 CID (4.2L) Diesel	4.125in./104.8mmX4.750in./120.7mm	20	6362 362 CID (5.9L) Flex	4.250in./108mmX4.250in./108mm 31
4180G 180 CID (3.0L)	3.858in./98mmX3.858in./98mm	14	6404A 404 CID (6.6L) Diesel	4.250in./108mmX4.750in./120.7mm 33
4202D 202 CID (3.3L) Diesel	3.858in./98mmX4.328in./109.9mm	16	Turbocharged/Aftercooled	
4202G 202 CID (3.3L)	3.858in./98mmX4.328in./109.9mm	14	6404D 404 CID (6.6L) Diesel	4.250in./108mmX4.750in./120.7mm 32
4219D 219 CID (3.6L) Diesel	4.020in./102.108mmX4.328in./109.9mm	17	6404T 404 CID (6.6L) Diesel	4.250in./108mmX4.750in./120.7mm 33
4219G 219 CID (3.6L)	4.020in./102.108mmX4.328in./109.9mm	18	Turbocharged	
4219T 219 CID (3.6L) Diesel	4.020in./102.108mmX4.328in./109.9mm	17	6414D 414 CID (6.8L) Diesel	4.188in./106.4mmX5.000in./127mm 34
4239D 239 CID (3.9L) Diesel	4.188in./106.4mmX4.328in./109.9mm	19	6414T 414 CID (6.8L) Diesel	4.188in./106.4mmX5.000in./127mm 34
			Turbocharged	
			6466A 466 CID (7.6L) Diesel	4.563in./115.9mmX4.750in./120.7mm 36
			Turbocharged/Intercooled	
			6466D 466 CID (7.6L) Diesel	4.563in./115.9mmX4.750in./120.7mm 37



JOHN DEERE (Cont.)							
ENGINE DATA (Cont.)							
Engine		Bore & Stroke	Block	Engine		Bore & Stroke	Block
6 CYL (Cont.)				6 CYL (Cont.)			
6466T 466 CID (7.6L) Diesel Turbocharged		4.563in./115.9mmX4.750in./120.7mm	36	6619A 619 CID (10.1L) Diesel Turbocharged/Intercooled		5.125in./130.2mmX5.000in./127mm	39
6531A 531 CID (8.7L) Diesel Turbocharged/Aftercooled		4.750in./120.7mmX5.000in./127mm	38	6619TA 619 CID (10.1L) Diesel Turbocharged/Intercooled		5.125in./130.2mmX5.000in./127mm	39
6531D 531 CID (8.7L) Diesel		4.750in./120.7mmX5.000in./127mm	38	QXD3 Hercules 230 CID (3.8L)		3.438in./87.33mmX4.125in./104.8mm	24
MODEL DATA							
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
40 Base Model	Wheel Tractor	100.5 CID (1.6L) M	1	301A Base Model	Wheel Tractor	152 CID (2.5L) 3152D Diesel	9
40 Base Model	Combine	115 CID (1.9L) 115	13	302 Base Model	Wheel Tractor	164 CID (2.7L) 3164D Diesel	10
45 Base Model	Combine	145 CID (2.4L) 145	13	303 Base Model	Power Unit	303 CID (5.0L) 6303G	29
45 Base Model	Combine	155 CID (2.5L) 155 Diesel	13	310 Base Model	Loader	179 CID (2.9L) 3179D Diesel	12
45 Base Model	Combine	165 CID (2.7L) 165 Diesel	13	310C Base Model	Loader	239 CID (3.9L) 4239T Diesel	19
45 Base Model	Combine	180 CID (3.0L) 4180G	14	310D Base Model	Loader	239 CID (3.9L) 4239T Diesel	19
50 Base Model	Wheel Tractor	190 CID (3.1L) 50	2	315C Base Model	Loader	239 CID (3.9L) 4239T Diesel	19
55 Base Model	Combine	217 CID (3.6L) 217	23	320 Base Model	Wheel Tractor	100.5 CID (1.6L) M	1
55 Base Model	Combine	248 CID (4.1L) 248 Diesel	26	329 Base Model	Harvester	219 CID (3.6L) 4219D Diesel	17
55 Base Model	Combine	303 CID (5.0L) 6303G	29	329 Base Model	Power Unit	329 CID (5.4L) 6329D Diesel	28
55R Base Model	Combine	217 CID (3.6L) 217	23	330 Base Model	Wheel Tractor	100.5 CID (1.6L) M	1
55R Base Model	Combine	303 CID (5.0L) 6303G	29	340D Base Model	Skidder	276 CID (4.5L) 4276T Diesel	22
60 Base Model	Wheel Tractor	321 CID (5.3L) 60	6	341 Base Model	Power Unit	341 CID (5.6L) 6341	27
65 Base Model	Combine	217 CID (3.6L) 217	23	350D Base Model	Crawler	179 CID (2.9L) 3179D Diesel	12
65 Base Model	Combine	230 CID (3.8L) QXD3 Hercules	24	355D Base Model	Crawler	179 CID (2.9L) 3179D Diesel	12
67 Base Model	Combine	217 CID (3.6L) 217	23	362 Base Model	Power Unit	362 CID (5.9L) 362	31
70 Base Model	Excavator	239 CID (3.9L) 4239D Diesel	19	400G Base Model	Crawler	239 CID (3.9L) 4239D Diesel	19
70 Base Model	Wheel Tractor	378 CID (6.2L) 70 Diesel	7	401 Base Model	Wheel Tractor	219 CID (3.6L) 4219D Diesel	17
70D Base Model	Excavator	239 CID (3.9L) 4239D Diesel	19	404 Base Model	Power Unit	404 CID (6.6L) 6404D Diesel	32
90 Base Model	Combine	217 CID (3.6L) 217	23	410C Base Model	Loader	276 CID (4.5L) 4276T Diesel	22
95 Base Model	Combine	217 CID (3.6L) 217	23	415B Base Model	Loader	239 CID (3.9L) 4239D Diesel	19
95 Base Model	Combine	248 CID (4.1L) 248 Diesel	26	420 Base Model	Wheel Tractor	113 CID (1.9L) 113	1
95 Base Model	Combine	303 CID (5.0L) 6303G	29	428 Base Model	Picker	329 CID (5.4L) 6329G	29
95H Base Model	Combine	217 CID (3.6L) 217	23	430 Base Model	Wheel Tractor	113 CID (1.9L) 113	1
95H Base Model	Combine	303 CID (5.0L) 6303G	29	430C Base Model	Crawler	113 CID (1.9L) 113	1
95LL Base Model	Combine	217 CID (3.6L) 217	23	440 Base Model	Wheel Tractor	113 CID (1.9L) 113	1
95LL Base Model	Combine	303 CID (5.0L) 6303G	29	440C Base Model	Skidder	276 CID (4.5L) 4276T Diesel	22
95R Base Model	Combine	217 CID (3.6L) 217	23	440D Base Model	Skidder	276 CID (4.5L) 4276T Diesel	22
95R Base Model	Combine	303 CID (5.0L) 6303G	29	440IC Base Model	Crawler	113 CID (1.9L) 113	1
99 Base Model	Cotton Picker	217 CID (3.6L) 217	23	444D Base Model	Loader	359 CID (5.9L) 6359T Diesel	28
105 Base Model	Combine	248 CID (4.1L) 248 Diesel	26	444E Base Model	Loader	276 CID (4.5L) 4276T Diesel	22
105 Base Model	Combine	341 CID (5.6L) 6341	27	446D Base Model	Skidder	276 CID (4.5L) 4276T Diesel	22
105 Base Model	Combine	362 CID (5.9L) 362	31	448D Base Model	Skidder	276 CID (4.5L) 4276T Diesel	22
105 Base Model	Combine	404 CID (6.6L) 6404D Diesel	32	450BT Base Model	Wheel Tractor	329 CID (5.4L) 6329T Diesel	30
105R Base Model	Combine	248 CID (4.1L) 248 Diesel	26	450E Base Model	Dozer	276 CID (4.5L) 4276T Diesel	22
105R Base Model	Combine	341 CID (5.6L) 6341	27				
105R Base Model	Combine	362 CID (5.9L) 362	31				
105R Base Model	Combine	404 CID (6.6L) 6404D Diesel	32				
115 Base Model	Power Unit	115 CID (1.9L) 115	13				
135 Base Model	Power Unit	135 CID (2.2L) 3135G	8				
145 Base Model	Power Unit	145 CID (2.4L) 145 Diesel	13				
152 Base Model	Power Unit	152 CID (2.5L) 3152D Diesel	9				
155 Base Model	Power Unit	155 CID (2.5L) 155 Diesel	13				
155 Base Model	Power Unit	165 CID (2.7L) 165 Diesel	13				
165 Base Model	Power Unit	165 CID (2.7L) 165 Diesel	13				
180 Base Model	Power Unit	180 CID (3.0L) 4180G	14				
202 Base Model	Power Unit	202 CID (3.3L) 4202G	14				
210C Base Model	Loader	239 CID (3.9L) 4239D Diesel	19				
217 Base Model	Power Unit	217 CID (3.6L) 217	23				
248 Base Model	Power Unit	248 CID (4.1L) 248	25				
290D Base Model	Excavator	239 CID (3.9L) 4239D Diesel	19				



JOHN DEERE (Cont.)

MODEL DATA (Cont.)							
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
450G Base Model	Dozer	276 CID (4.5L) 4276T Diesel	22	610C Base Model	Loader	276 CID (4.5L) 4276T Diesel	22
455E Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22	620 Base Model	Wheel Tractor	303 CID (5.0L) 620	4
455G Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22	624E Base Model	Loader	414 CID (6.8L) 6414T Diesel	34
482 Base Model	Cotton Picker	329 CID (5.4L) 6329G	29	630 Base Model	Wheel Tractor	303 CID (5.0L) 630	4
482C Base Model	Fork Lift	239 CID (3.9L) 4239D Diesel	19	640 Base Model	Skidder	414 CID (6.8L) 6414T Diesel	34
484 Base Model	Cotton Picker	329 CID (5.4L) 6329G	29	640D Base Model	Skidder	414 CID (6.8L) 6414T Diesel	34
490 Base Model	Excavator	239 CID (3.9L) 4239T Diesel	19	643 Base Model	Feller-Buncher	414 CID (6.8L) 6414T Diesel	34
490D Base Model	Excavator	276 CID (4.5L) 4276D Diesel	22	644D Base Model	Loader	466 CID (7.6L) 6466T Diesel	36
495D Base Model	Excavator	276 CID (4.5L) 4276T Diesel	22	644E Base Model	Loader	414 CID (6.8L) 6414T Diesel	34
499 Base Model	Cotton Picker	219 CID (3.6L) 4219D Diesel	17	648D Base Model	Skidder	414 CID (6.8L) 6414T Diesel	34
499 Base Model	Cotton Picker	329 CID (5.4L) 6329G	29	650G Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22
510B Base Model	Loader	276 CID (4.5L) 4276T Diesel	22	655 Base Model	Crawler	414 CID (6.8L) 6414T Diesel	34
510C Base Model	Loader	276 CID (4.5L) 4276T Diesel	22	655B Base Model	Crawler	414 CID (6.8L) 6414T Diesel	34
515B Base Model	Loader	239 CID (3.9L) 4239T Diesel	19	670A Base Model	Grader	414 CID (6.8L) 6414T Diesel	34
520 Base Model	Wheel Tractor	190 CID (3.1L) 520	3	670B Base Model	Grader	414 CID (6.8L) 6414T Diesel	34
520 Base Model	Wheel Tractor	219 CID (3.6L) 4219D Diesel	17	672 Base Model	Grader	414 CID (6.8L) 6414T Diesel	34
530 Base Model	Wheel Tractor	190 CID (3.1L) 530	3	672A Base Model	Grader	414 CID (6.8L) 6414T Diesel	34
540B Base Model	Skidder	276 CID (4.5L) 4276T Diesel	22	672B Base Model	Grader	414 CID (6.8L) 6414T Diesel	34
540D Base Model	Skidder	276 CID (4.5L) 4276T Diesel	22	690C Base Model	Excavator	466 CID (7.6L) 6466T Diesel	36
544C Base Model	Loader	414 CID (6.8L) 6414T Diesel	34	690D Base Model	Excavator	414 CID (6.8L) 6414T Diesel	34
544D Base Model	Loader	414 CID (6.8L) 6414T Diesel	34	693C Base Model	Feller-Buncher	466 CID (7.6L) 6466T Diesel	36
544E Base Model	Loader	359 CID (5.9L) 6359T Diesel	28	693D Base Model	Feller-Buncher	414 CID (6.8L) 6414T Diesel	34
544EH Base Model	Loader	359 CID (5.9L) 6359T Diesel	28	699 Base Model	Cotton Picker	303 CID (5.0L) 6303G	29
548D Base Model	Skidder	276 CID (4.5L) 4276T Diesel	22	699 Base Model	Cotton Picker	329 CID (5.4L) 6329G	29
550 Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22	700 Base Model	Power Unit	115 CID (1.9L) 115	13
550A Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22	710B Base Model	Loader	359 CID (5.9L) 6359T Diesel	28
550B Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22	710C Base Model	Loader	359 CID (5.9L) 6359T Diesel	28
550G Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22	720 Base Model	Wheel Tractor	362 CID (5.9L) 720	7
555 Base Model	Dozer	276 CID (4.5L) 4276T Diesel	22	720 Base Model	Wheel Tractor	378 CID (6.2L) 720 Diesel	7
555A Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22	730 Base Model	Wheel Tractor	362 CID (5.9L) 730	7
555B Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22	730 Base Model	Wheel Tractor	378 CID (6.2L) 730 Diesel	7
555G Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22	750 Base Model	Crawler	414 CID (6.8L) 6414T Diesel	34
570B Base Model	Loader	359 CID (5.9L) 6359T Diesel	28	750B Base Model	Crawler	414 CID (6.8L) 6414T Diesel	34
590D Base Model	Excavator	276 CID (4.5L) 4276T Diesel	22	755 Base Model	Crawler	414 CID (6.8L) 6414T Diesel	34
595 Base Model	Excavator	276 CID (4.5L) 4276T Diesel	22	755 Base Model	Loader	414 CID (6.8L) 6414T Diesel	34
595D Base Model	Excavator	276 CID (4.5L) 4276T Diesel	22	755A Base Model	Crawler	414 CID (6.8L) 6414T Diesel	34
600 Base Model	Power Unit	115 CID (1.9L) 115	13	755B Base Model	Crawler	414 CID (6.8L) 6414T Diesel	34
610B Base Model	Loader	276 CID (4.5L) 4276T Diesel	22	770A Base Model	Wheel Tractor	531 CID (8.7L) 6531D Diesel	38
				770B Base Model	Grader	466 CID (7.6L) 6466T Diesel	36



JOHN DEERE (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
772A Base Model	Wheel Tractor	531 CID (8.7L) 6531D Diesel	38	2510 Base Model	Wheel Tractor	180 CID (3.0L) 4180G	14
772B Base Model	Grader	466 CID (7.6L) 6466T Diesel	36	2510 Base Model	Wheel Tractor	202 CID (3.3L) 4202D Diesel	16
790 Base Model	Wheel Tractor	466 CID (7.6L) 6466A Diesel	36	2520 Base Model	Wheel Tractor	202 CID (3.3L) 4202G	14
792 Base Model	Wheel Tractor	466 CID (7.6L) 6466A Diesel	36	2520 Base Model	Wheel Tractor	219 CID (3.6L) 4219D Diesel	17
800 Base Model	Windrower	180 CID (3.0L) 4180G	14	2550 Base Model	Wheel Tractor	239 CID (3.9L) 4239D Diesel	19
800 Base Model	Windrower	202 CID (3.3L) 4202G	14	2555 Base Model	Wheel Tractor	239 CID (3.9L) 4239D Diesel	19
820 Base Model	Wheel Tractor	152 CID (2.5L) 3152D Diesel	9	2630 Base Model	Wheel Tractor	276 CID (4.5L) 4276D Diesel	22
830 Base Model	Wheel Tractor	152 CID (2.5L) 3152D Diesel	9	2640 Base Model	Wheel Tractor	276 CID (4.5L) 4276D Diesel	22
850 Base Model	Wheel Tractor	619 CID (10.1L) 6619A Diesel	39	2750 Base Model	Wheel Tractor	239 CID (3.9L) 4239T Diesel	19
880 Base Model	Windrower	180 CID (3.0L) 4180G	14	2755 Base Model	Wheel Tractor	239 CID (3.9L) 4239T Diesel	19
880 Base Model	Windrower	202 CID (3.3L) 4202G	14	2840 Base Model	Wheel Tractor	329 CID (5.4L) 6329D Diesel	28
1010 Base Model	Wheel Tractor	115 CID (1.9L) 115	13	2855 Base Model	Wheel Tractor	239 CID (3.9L) 4239T Diesel	19
1010 Base Model	Wheel Tractor	145 CID (2.4L) 145 Diesel	13	2940 Base Model	Wheel Tractor	359 CID (5.9L) 6359D Diesel	28
1010 Crawler	Fork Lift	165 CID (2.7L) 165 Diesel	13	2950 Base Model	Wheel Tractor	359 CID (5.9L) 6359D Diesel	28
1010C Base Model	Crawler	115 CID (1.9L) 115	13	3010 Base Model	Wheel Tractor	201 CID (3.3L) 201	15
1010C Base Model	Crawler	145 CID (2.4L) 145 Diesel	13	3010 Base Model	Wheel Tractor	254 CID (4.2L) 254 Diesel	20
1010CA Base Model	Crawler	115 CID (1.9L) 115	13	3010 Base Model	Wheel Tractor	270 CID (4.4L) 4270D Diesel	21
1010CA Base Model	Crawler	145 CID (2.4L) 145 Diesel	13	3020 Base Model	Wheel Tractor	227 CID (3.7L) 227	15
1020 Base Model	Wheel Tractor	135 CID (2.2L) 3135G	8	3020 Base Model	Wheel Tractor	270 CID (4.4L) 4270D Diesel	21
1020 Base Model	Wheel Tractor	152 CID (2.5L) 3152D Diesel	9	3150 Base Model	Wheel Tractor	359 CID (5.9L) 6359D Diesel	28
1520 Base Model	Wheel Tractor	164 CID (2.7L) 3164G	11	3300 Base Model	Combine	202 CID (3.3L) 4202G	14
1530 Base Model	Wheel Tractor	164 CID (2.7L) 3164G	11	3300 Base Model	Combine	219 CID (3.6L) 4219G	18
2010 Wheel	Fork Lift	145 CID (2.4L) 145	13	3430 Base Model	Windrower	239 CID (3.9L) 4239T Diesel	19
2010 Wheel	Fork Lift	165 CID (2.7L) 165 Diesel	13	3830 Base Model	Windrower	239 CID (3.9L) 4239T Diesel	19
2010 Base Model	Wheel Tractor	145 CID (2.4L) 145	13	4000 Base Model	Wheel Tractor	341 CID (5.6L) 6341	27
2010 Base Model	Wheel Tractor	165 CID (2.7L) 165 Diesel	13	4000 Base Model	Wheel Tractor	362 CID (5.9L) 6362	31
2010C Base Model	Crawler	145 CID (2.4L) 145	13	4000 Base Model	Wheel Tractor	404 CID (6.6L) 6404D Diesel	32
2010C Base Model	Crawler	165 CID (2.7L) 165 Diesel	13	4010 Base Model	Wheel Tractor	301 CID (4.9L) 301	27
2020 Base Model	Wheel Tractor	180 CID (3.0L) 4180G	14	4010 Base Model	Wheel Tractor	381 CID (6.2L) 381 Diesel	32
2020 Base Model	Wheel Tractor	202 CID (3.3L) 4202G	14	4020 Base Model	Wheel Tractor	341 CID (5.6L) 6341	27
2030 Base Model	Wheel Tractor	219 CID (3.6L) 4219G	18	4020 Base Model	Wheel Tractor	362 CID (5.9L) 6362	31
2040 Base Model	Wheel Tractor	164 CID (2.7L) 3164D Diesel	10	4020 Base Model	Wheel Tractor	404 CID (6.6L) 6404D Diesel	32
2040 Base Model	Wheel Tractor	179 CID (2.9L) 3179D Diesel	12	4030 Base Model	Wheel Tractor	219 CID (3.6L) 4219D Diesel	17
2150 Base Model	Wheel Tractor	179 CID (2.9L) 3179D Diesel	12	4030 Base Model	Wheel Tractor	329 CID (5.4L) 6329D Diesel	28
2155 Base Model	Wheel Tractor	179 CID (2.9L) 3179D Diesel	12	4040 Base Model	Wheel Tractor	404 CID (6.6L) 6404D Diesel	32
2240 Base Model	Wheel Tractor	179 CID (2.9L) 3179D Diesel	12	4050 Base Model	Wheel Tractor	466 CID (7.6L) 6466D Diesel	37
2250 Base Model	Wheel Tractor	179 CID (2.9L) 3179D Diesel	12	4055 Base Model	Wheel Tractor	466 CID (7.6L) 6466T Diesel	36
2255 Base Model	Wheel Tractor	179 CID (2.9L) 3179D Diesel	12	4230 Base Model	Wheel Tractor	303 CID (5.0L) 6303G	29
2255OV Base Model	Wheel Tractor	179 CID (2.9L) 3179D Diesel	12	4230 Base Model	Wheel Tractor	404 CID (6.6L) 6404D Diesel	32
2270 Base Model	Windrower	219 CID (3.6L) 4219D Diesel	17	4240 Base Model	Wheel Tractor	466 CID (7.6L) 6466D Diesel	37
2280 Base Model	Windrower	219 CID (3.6L) 4219D Diesel	17	4250 Base Model	Wheel Tractor	466 CID (7.6L) 6466T Diesel	36
2340 Base Model	Windrower	219 CID (3.6L) 4219D Diesel	17	4255 Base Model	Wheel Tractor	466 CID (7.6L) 6466T Diesel	36
2350 Base Model	Wheel Tractor	239 CID (3.9L) 4239D Diesel	19				
2355 Base Model	Wheel Tractor	239 CID (3.9L) 4239D Diesel	19				
2360 Base Model	Windrower	239 CID (3.9L) 4239D Diesel	19				
2420 Base Model	Windrower	219 CID (3.6L) 4219D Diesel	17				
2440 Base Model	Wheel Tractor	219 CID (3.6L) 4219D Diesel	17				



JOHN DEERE (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
4320 Base Model	Wheel Tractor	404 CID (6.6L) 6404T Diesel	33	6600 Base Model	Combine	303 CID (5.0L) 6303G	29
4400 Base Model	Combine	219 CID (3.6L) 4219D Diesel	17	6600 Base Model	Combine	329 CID (5.4L) 6329D Diesel	28
4400 Base Model	Combine	329 CID (5.4L) 6329D Diesel	28	6600 Base Model	Combine	404 CID (6.6L) 6404T Diesel	33
4401 Base Model	Wheel Tractor	113 CID (1.9L) 113	1	6602 Base Model	Combine	362 CID (5.9L) 362	31
4401C Base Model	Crawler	113 CID (1.9L) 113	1	6602 Base Model	Combine	404 CID (6.6L) 6404T Diesel	33
4420 Base Model	Combine	329 CID (5.4L) 6329D Diesel	28	6602 Base Model	Combine	466 CID (7.6L) 6466T Diesel	36
4420 Base Model	Combine	359 CID (5.9L) 6359D Diesel	28	6620 Base Model	Combine	466 CID (7.6L) 6466T Diesel	36
4430 Base Model	Wheel Tractor	404 CID (6.6L) 6404T Diesel	33	6620SH Base Model	Combine	466 CID (7.6L) 6466T Diesel	36
4440 Base Model	Wheel Tractor	466 CID (7.6L) 6466T Diesel	36	6622 Base Model	Combine	466 CID (7.6L) 6466T Diesel	36
4450 Base Model	Wheel Tractor	466 CID (7.6L) 6466T Diesel	36	7020 Base Model	Wheel Tractor	404 CID (6.6L) 6404A Diesel	33
4455 Base Model	Wheel Tractor	466 CID (7.6L) 6466T Diesel	36	7440 Base Model	Cotton Picker	359 CID (5.9L) 6359D Diesel	28
4520 Base Model	Wheel Tractor	404 CID (6.6L) 6404T Diesel	33	7520 Base Model	Wheel Tractor	531 CID (8.7L) 6531A Diesel	38
4620 Base Model	Wheel Tractor	404 CID (6.6L) 6404A Diesel	33	7700 Base Model	Combine	362 CID (5.9L) 362	31
4630 Base Model	Wheel Tractor	404 CID (6.6L) 6404A Diesel	33	7700 Base Model	Combine	404 CID (6.6L) 6404T Diesel	33
4640 Base Model	Wheel Tractor	466 CID (7.6L) 6466A Diesel	36	7720 Base Model	Combine	466 CID (7.6L) 6466T Diesel	36
4650 Base Model	Wheel Tractor	466 CID (7.6L) 6466A Diesel	36	8010 Base Model	Wheel Tractor	426 CID (7.0L) 6-71E Detroit Diesel Diesel	35
4840 Base Model	Wheel Tractor	466 CID (7.6L) 6466A Diesel	36	8020 Base Model	Wheel Tractor	426 CID (7.0L) 6-71E Detroit Diesel Diesel	35
4850 Base Model	Wheel Tractor	466 CID (7.6L) 6466A Diesel	36	8430 Base Model	Wheel Tractor	466 CID (7.6L) 6466A Diesel	36
5010 Base Model	Wheel Tractor	531 CID (8.7L) 6531D Diesel	38	8440 Base Model	Wheel Tractor	466 CID (7.6L) 6466A Diesel	36
5020 Base Model	Wheel Tractor	531 CID (8.7L) 6531D Diesel	38	8450 Base Model	Wheel Tractor	466 CID (7.6L) 6466A Diesel	36
5200 Base Model	Harvester	404 CID (6.6L) 6404A Diesel	33	8630 Base Model	Wheel Tractor	619 CID (10.1L) 6619TA Diesel	39
5200 Base Model	Harvester	531 CID (8.7L) 6531A Diesel	38	8640 Base Model	Wheel Tractor	619 CID (10.1L) 6619TA Diesel	39
5400 Base Model	Harvester	404 CID (6.6L) 6404A Diesel	33	8650 Base Model	Wheel Tractor	619 CID (10.1L) 6619TA Diesel	39
5400 Base Model	Harvester	531 CID (8.7L) 6531A Diesel	38	8820 Base Model	Combine	466 CID (7.6L) 6466A Diesel	36
5440 Base Model	Harvester	404 CID (6.6L) 6404A Diesel	33	9000HD Base Model	Harvester	329 CID (5.4L) 6329D Diesel	28
5440 Base Model	Harvester	619 CID (10.1L) 6619TA Diesel	39	9900 Base Model	Picker	359 CID (5.9L) 6359D Diesel	28
5640 Base Model	Harvester	404 CID (6.6L) 6404T Diesel	33	9900LD Base Model	Harvester	329 CID (5.4L) 6329D Diesel	28
5640 Base Model	Harvester	619 CID (10.1L) 6619A Diesel	39	9910 Base Model	Cotton Picker	359 CID (5.9L) 6359D Diesel	28
5720 Base Model	Harvester	466 CID (7.6L) 6466A Diesel	36	9920 Base Model	Cotton Picker	359 CID (5.9L) 6359D Diesel	28
5730 Base Model	Harvester	466 CID (7.6L) 6466A Diesel	36	9940 Base Model	Cotton Picker	466 CID (7.6L) 6466A Diesel	36
5820 Base Model	Harvester	619 CID (10.1L) 6619A Diesel	39	9950 Base Model	Cotton Picker	466 CID (7.6L) 6466A Diesel	36
5822 Base Model	Harvester	619 CID (10.1L) 6619A Diesel	39	A Base Model	Wheel Tractor	309 CID (5.1L) A	5
6000 Base Model	Sprayer	219 CID (3.6L) 4219D Diesel	17	A Base Model	Wheel Tractor	321 CID (5.3L) 60	6
6030 Base Model	Wheel Tractor	531 CID (8.7L) 6531D Diesel	38	AH Base Model	Wheel Tractor	309 CID (5.1L) A	5
6030NA Base Model	Wheel Tractor	531 CID (8.7L) 6531D Diesel	38	AI Base Model	Wheel Tractor	309 CID (5.1L) A	5
6540 Base Model	Wheel Tractor	619 CID (10.1L) 6619A Diesel	39	AN Base Model	Wheel Tractor	309 CID (5.1L) A	5
6545 Base Model	Wheel Tractor	619 CID (10.1L) 6619A Diesel	39	AN Base Model	Wheel Tractor	321 CID (5.3L) 60	6
				ANH Base Model	Wheel Tractor	309 CID (5.1L) A	5
				ANH Base Model	Wheel Tractor	321 CID (5.3L) 60	6
				AO Base Model	Wheel Tractor	309 CID (5.1L) A	5
				AO Base Model	Wheel Tractor	321 CID (5.3L) 60	6
				AR Base Model	Wheel Tractor	309 CID (5.1L) A	5
				AR Base Model	Wheel Tractor	321 CID (5.3L) 60	6



JOHN DEERE (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
AW Base Model	Wheel Tractor	309 CID (5.1L) A	5	HD217 Base Model	Power Unit	217 CID (3.6L) 217	23
AW Base Model	Wheel Tractor	321 CID (5.3L) 60	6	HD303G Base Model	Power Unit	303 CID (5.0L) 6303G	29
AWH Base Model	Wheel Tractor	309 CID (5.1L) A	5	HD329D Base Model	Power Unit	329 CID (5.4L) 6329D	28
AWH Base Model	Wheel Tractor	321 CID (5.3L) 60	6		Diesel		
B Base Model	Wheel Tractor	175 CID (2.9L) B	2	HD Base Model	Wheel Tractor	217 CID (3.6L) 217	23
B Base Model	Wheel Tractor	190 CID (3.1L) 50	2	HE217 Base Model	Combine	217 CID (3.6L) 217	23
BA248G Base Model	Power Unit	248 CID (4.1L) 248	25	HF329G Base Model	Power Unit	329 CID (5.4L) 6329G	29
BI Base Model	Wheel Tractor	175 CID (2.9L) B	2	HG217 Base Model	Combine	217 CID (3.6L) 217	23
BN Base Model	Wheel Tractor	175 CID (2.9L) B	2	HG303G Base Model	Power Unit	303 CID (5.0L) 6303G	29
BN Base Model	Wheel Tractor	190 CID (3.1L) 50	2	JD34 Base Model	Excavator	239 CID (3.9L) 4239D	19
BO Base Model	Wheel Tractor	175 CID (2.9L) B	2		Diesel		
BR Base Model	Wheel Tractor	175 CID (2.9L) B	2	JD44 Base Model	Excavator	239 CID (3.9L) 4239D	19
BW Base Model	Wheel Tractor	175 CID (2.9L) B	2		Diesel		
BW Base Model	Wheel Tractor	190 CID (3.1L) 50	2	JD45 Base Model	Crawler	239 CID (3.9L) 4239D	19
EA115 Base Model	Power Unit	115 CID (1.9L) 115	13		Diesel		
EA145G Base Model	Power Unit	145 CID (2.4L) 145	13	JD300 Base Model	Wheel Tractor	135 CID (2.2L) 3135G	8
EA180G Base Model	Power Unit	180 CID (3.0L) 4180G	14	JD300 Base Model	Wheel Tractor	152 CID (2.5L) 3152D	9
EA202D Base Model	Power Unit	202 CID (3.3L) 4202D	16		Diesel		
		Diesel		JD300B Base Model	Loader	135 CID (2.2L) 3135G	8
EA217G Base Model	Power Unit	217 CID (3.6L) 217	23	JD300B Base Model	Loader	152 CID (2.5L) 3152D	9
EB145G Base Model	Power Unit	145 CID (2.4L) 145	13		Diesel		
HA115 Base Model	Power Unit	115 CID (1.9L) 115	13	JD301 Base Model	Loader	135 CID (2.2L) 3135G	8
HA145 Base Model	Wheel Tractor	145 CID (2.4L) 145	13	JD301 Base Model	Loader	152 CID (2.5L) 3152D	9
HA145G Base Model	Power Unit	145 CID (2.4L) 145	13		Diesel		
HA155 Base Model	Power Unit	155 CID (2.5L) 155 Diesel	13	JD301A Base Model	Loader	135 CID (2.2L) 3135G	8
HA155D Base Model	Power Unit	155 CID (2.5L) 155 Diesel	13	JD301A Base Model	Loader	152 CID (2.5L) 3152D	9
HA165 Base Model	Power Unit	165 CID (2.7L) 165 Diesel	13		Diesel		
HA165D Base Model	Power Unit	165 CID (2.7L) 165 Diesel	13	JD302 Base Model	Loader	164 CID (2.7L) 3164G	11
HA165G Base Model	Power Unit	165 CID (2.7L) 165	13	JD302A Base Model	Loader	164 CID (2.7L) 3164G	11
HA180G Base Model	Power Unit	180 CID (3.0L) 4180G	14	JD303 Base Model	Loader	135 CID (2.2L) 3135G	8
HA217G Base Model	Power Unit	217 CID (3.6L) 217	23	JD303A Base Model	Loader	303 CID (5.0L) 6303D	28
HA217L Base Model	Power Unit	217 CID (3.6L) 217	23		Diesel		
HA219D Base Model	Power Unit	219 CID (3.6L) 4219D	17	JD303A Base Model	Loader	329 CID (5.4L) 6329D	28
		Diesel			Diesel		
HA248D Base Model	Power Unit	248 CID (4.1L) 248 Diesel	26	JD310 Base Model	Loader	164 CID (2.7L) 3164G	11
HA248G Base Model	Power Unit	248 CID (4.1L) 248	25	JD310A Base Model	Loader	219 CID (3.6L) 4219D	17
HA303D Base Model	Power Unit	303 CID (5.0L) 6303D	28		Diesel		
		Diesel		JD310B Base Model	Loader	219 CID (3.6L) 4219D	17
HA303G Base Model	Power Unit	303 CID (5.0L) 6303G	29		Diesel		
HA303L Base Model	Power Unit	303 CID (5.0L) 6303L	29	JD329 Base Model	Power Unit	329 CID (5.4L) 6329G	29
HA341G Base Model	Power Unit	341 CID (5.6L) 6341	27	JD350 Base Model	Crawler	135 CID (2.2L) 3135G	8
HA Base Model	Wheel Tractor	217 CID (3.6L) 217	23	JD350 Base Model	Crawler	152 CID (2.5L) 3152D	9
HB115 Base Model	Power Unit	115 CID (1.9L) 115	13		Diesel		
HB115G Base Model	Power Unit	115 CID (1.9L) 115	13	JD350C Base Model	Loader	152 CID (2.5L) 3152D	9
HB115GH Base Model	Power Unit	115 CID (1.9L) 115	13		Diesel		
HB145 Base Model	Wheel Tractor	145 CID (2.4L) 145	13	JD380 Base Model	Fork Lift	135 CID (2.2L) 3135G	8
HB145G Base Model	Power Unit	145 CID (2.4L) 145	13	JD380 Base Model	Fork Lift	152 CID (2.5L) 3152D	9
HB165D Base Model	Power Unit	165 CID (2.7L) 165 Diesel	13		Diesel		
HB165G Base Model	Power Unit	165 CID (2.7L) 165	13	JD400 Base Model	Skidder	180 CID (3.0L) 4180G	14
HB202G Base Model	Power Unit	202 CID (3.3L) 4202G	14	JD400 Base Model	Skidder	202 CID (3.3L) 4202D	16
HB217G Base Model	Power Unit	217 CID (3.6L) 217	23		Diesel		
HB217L Base Model	Power Unit	217 CID (3.6L) 217	23	JD401 Base Model	Wheel Tractor	180 CID (3.0L) 4180G	14
HB248D Base Model	Power Unit	248 CID (4.1L) 248 Diesel	26	JD401 Base Model	Wheel Tractor	202 CID (3.3L) 4202D	16
HB248G Base Model	Power Unit	248 CID (4.1L) 248	25		Diesel		
HB248L Base Model	Power Unit	248 CID (4.1L) 248	25	JD401B Base Model	Loader	219 CID (3.6L) 4219G	18
HB303D Base Model	Power Unit	303 CID (5.0L) 6303D	28	JD401C Base Model	Loader	219 CID (3.6L) 4219D	17
		Diesel			Diesel		
HB303G Base Model	Power Unit	303 CID (5.0L) 6303G	29	JD410 Base Model	Loader	202 CID (3.3L) 4202G	14
HB303L Base Model	Power Unit	303 CID (5.0L) 6303L	29	JD410 Base Model	Loader	219 CID (3.6L) 4219D	17
HB Base Model	Wheel Tractor	217 CID (3.6L) 217	23		Diesel		
HC145 Base Model	Wheel Tractor	145 CID (2.4L) 145	13	JD410C Base Model	Loader	276 CID (4.5L) 4276D	22
HC145L Base Model	Power Unit	145 CID (2.4L) 145	13		Diesel		
HC217 Base Model	Power Unit	217 CID (3.6L) 217	23	JD440 Base Model	Skidder	180 CID (3.0L) 4180G	14
HC219D Base Model	Power Unit	219 CID (3.6L) 4219D	17	JD440 Base Model	Skidder	202 CID (3.3L) 4202D	16
		Diesel			Diesel		
HC303G Base Model	Power Unit	303 CID (5.0L) 6303G	29	JD440 Base Model	Skidder	219 CID (3.6L) 4219D	17
HC Base Model	Wheel Tractor	217 CID (3.6L) 217	23		Diesel		
HD145G Base Model	Power Unit	145 CID (2.4L) 145	13	JD440A Base Model	Skidder	219 CID (3.6L) 4219T	17
					Diesel		



JOHN DEERE (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
JD440B Base Model	Skidder	219 CID (3.6L) 4219T Diesel	17	JD644C Base Model	Loader	531 CID (8.7L) 6531A Diesel	38
JD440C Base Model	Skidder	276 CID (4.5L) 4276T Diesel	22	JD646 Base Model	Compactor	404 CID (6.6L) 6404T Diesel	33
JD444C Base Model	Loader	329 CID (5.4L) 6329D Diesel	28	JD646B Base Model	Compactor	404 CID (6.6L) 6404T Diesel	33
JD450 Base Model	Loader	180 CID (3.0L) 4180G Diesel	14	JD646C Base Model	Compactor	466 CID (7.6L) 6466A Diesel	36
JD450 Base Model	Loader	202 CID (3.3L) 4202D Diesel	16	JD655 Base Model	Loader	414 CID (6.8L) 6414T Diesel	34
JD450B Base Model	Crawler	219 CID (3.6L) 4219T Diesel	17	JD670 Base Model	Grader	414 CID (6.8L) 6414T Diesel	34
JD450C Base Model	Crawler	219 CID (3.6L) 4219T Diesel	17	JD670A Base Model	Grader	414 CID (6.8L) 6414T Diesel	34
JD480 Base Model	Fork Lift	180 CID (3.0L) 4180G Diesel	14	JD672A Base Model	Grader	414 CID (6.8L) 6414T Diesel	34
JD480 Base Model	Fork Lift	202 CID (3.3L) 4202D Diesel	16	JD690 Base Model	Excavator	404 CID (6.6L) 6404T Diesel	33
JD480A Base Model	Fork Lift	180 CID (3.0L) 4180G Diesel	14	JD690A Base Model	Excavator	404 CID (6.6L) 6404T Diesel	33
JD480A Base Model	Fork Lift	202 CID (3.3L) 4202D Diesel	16	JD690B Base Model	Excavator	404 CID (6.6L) 6404T Diesel	33
JD480B Base Model	Fork Lift	219 CID (3.6L) 4219G Diesel	18	JD693B Base Model	Feller-Buncher	404 CID (6.6L) 6404T Diesel	33
JD480C Base Model	Fork Lift	219 CID (3.6L) 4219G Diesel	18	JD700 Base Model	Wheel Tractor	531 CID (8.7L) 6531D Diesel	38
JD493D Base Model	Feller-Buncher	276 CID (4.5L) 4276D Diesel	22	JD700A Base Model	Wheel Tractor	531 CID (8.7L) 6531D Diesel	38
JD500 Base Model	Loader	227 CID (3.7L) 227 Diesel	15	JD740 Base Model	Skidder	404 CID (6.6L) 6404A Diesel	33
JD500 Base Model	Loader	270 CID (4.4L) 4270D Diesel	21	JD740A Base Model	Skidder	466 CID (7.6L) 6466A Diesel	36
JD500A Base Model	Loader	227 CID (3.7L) 227 Diesel	15	JD743A Base Model	Feller-Buncher	466 CID (7.6L) 6466A Diesel	36
JD500A Base Model	Loader	270 CID (4.4L) 4270D Diesel	21	JD750 Base Model	Crawler	414 CID (6.8L) 6414T Diesel	34
JD500B Base Model	Loader	227 CID (3.7L) 227 Diesel	15	JD755 Base Model	Loader	414 CID (6.8L) 6414T Diesel	34
JD500B Base Model	Loader	270 CID (4.4L) 4270D Diesel	21	JD755A Base Model	Loader	414 CID (6.8L) 6414T Diesel	34
JD500C Base Model	Loader	270 CID (4.4L) 4270D Diesel	21	JD760 Base Model	Scraper	531 CID (8.7L) 6531D Diesel	38
JD500G Base Model	Industrial	201 CID (3.3L) 201 Diesel	15	JD760A Base Model	Scraper	531 CID (8.7L) 6531D Diesel	38
JD510 Base Model	Loader	270 CID (4.4L) 4270D Diesel	21	JD762 Base Model	Scraper	619 CID (10.1L) 6619A Diesel	39
JD510B Base Model	Loader	276 CID (4.5L) 4276D Diesel	22	JD762A Base Model	Scraper	466 CID (7.6L) 6466A Diesel	36
JD540 Base Model	Skidder	303 CID (5.0L) 6303G Diesel	29	JD770A Base Model	Grader	531 CID (8.7L) 6531A Diesel	38
JD540A Base Model	Skidder	329 CID (5.4L) 6329T Diesel	30	JD772A Base Model	Grader	531 CID (8.7L) 6531A Diesel	38
JD540B Base Model	Skidder	276 CID (4.5L) 4276T Diesel	22	JD850 Base Model	Crawler	619 CID (10.1L) 6619A Diesel	39
JD544 Base Model	Loader	303 CID (5.0L) 6303G Diesel	29	JD855 Base Model	Loader	619 CID (10.1L) 6619TA Diesel	39
JD544 Base Model	Loader	329 CID (5.4L) 6329D Diesel	28	JD862 Base Model	Scraper	619 CID (10.1L) 6619TA Diesel	39
JD544B Base Model	Loader	414 CID (6.8L) 6414T Diesel	34	JD890 Base Model	Excavator	619 CID (10.1L) 6619TA Diesel	39
JD544C Base Model	Loader	414 CID (6.8L) 6414T Diesel	34	M Base Model	Wheel Tractor	100.5 CID (1.6L) M	1
JD550 Base Model	Crawler	276 CID (4.5L) 4276T Diesel	22	MC Base Model	Wheel Tractor	100.5 CID (1.6L) M	1
JD555 Base Model	Dozer	276 CID (4.5L) 4276T Diesel	22	MCT Base Model	Wheel Tractor	100.5 CID (1.6L) M	1
JD570 Base Model	Grader	303 CID (5.0L) 6303G Diesel	29	MI Base Model	Wheel Tractor	100.5 CID (1.6L) M	1
JD570A Base Model	Grader	329 CID (5.4L) 6329D Diesel	28	MT Base Model	Wheel Tractor	100.5 CID (1.6L) M	1
JD600 Base Model	Loader	301 CID (4.9L) 301 Diesel	27	NA115G Base Model	Power Unit	115 CID (1.9L) 115	13
JD600 Base Model	Loader	341 CID (5.6L) 6341 Diesel	27	NA217G Base Model	Power Unit	217 CID (3.6L) 217	23
JD600 Base Model	Loader	362 CID (5.9L) 6362 Diesel	31	NA217L Base Model	Power Unit	217 CID (3.6L) 217	23
JD600 Base Model	Loader	404 CID (6.6L) 6404D Diesel	32	NA248D Base Model	Power Unit	248 CID (4.1L) 248 Diesel	26
JD640 Base Model	Skidder	414 CID (6.8L) 6414T Diesel	34	NA248G Base Model	Power Unit	248 CID (4.1L) 248	25
JD644 Base Model	Loader	404 CID (6.6L) 6404T Diesel	33				
JD644A Base Model	Loader	404 CID (6.6L) 6404T Diesel	33				
JD644C Base Model	Loader	466 CID (7.6L) 6466A Diesel	36				



JOHN DEERE (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
NA303D Base Model	Power Unit	303 CID (5.0L) 6303D Diesel	28	NB329D Base Model	Power Unit	329 CID (5.4L) 6329D Diesel	28
NA303G Base Model	Power Unit	303 CID (5.0L) 6303G	29	NB329G Base Model	Power Unit	329 CID (5.4L) 6329G	29
NA303L Base Model	Power Unit	303 CID (5.0L) 6303L	29	TA145 Base Model	Power Unit	145 CID (2.4L) 145	13
NA Base Model	Wheel Tractor	217 CID (3.6L) 217	23	TA217G Base Model	Power Unit	217 CID (3.6L) 217	23
NB217 Base Model	Combine	217 CID (3.6L) 217	23	TA217L Base Model	Power Unit	217 CID (3.6L) 217	23
NB217G Base Model	Power Unit	217 CID (3.6L) 217	23	TA217N Base Model	Power Unit	217 CID (3.6L) 217	23
NB217L Base Model	Power Unit	217 CID (3.6L) 217	23	TA Base Model	Wheel Tractor	217 CID (3.6L) 217	23

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
5144469	5.000in./127mm	35	F1047B	6.375in./161.9mm	7	F2712R	6.375in./161.9mm	7	R26046R	4.000in./101.6mm	15
5150093	5.000in./127mm	35	F1047R	6.375in./161.9mm	7	M29T	4.000in./101.6mm	1	R40238	5.000in./127mm	38
5154265	5.000in./127mm	35	F1792R	6.375in./161.9mm	7	M1691T	4.000in./101.6mm	1	T454T	3.500in./88.9mm	13
A5554R	6.375in./161.9mm	4	F2432R	6.375in./161.9mm	7	MT	4.000in./101.6mm	1			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
6-71	5.000in./127mm	35	M3114T	4.000in./101.6mm	1	T23266T	4.328in./109.9mm	28	T23479T	4.330in./110mm	29
5154256	5.000in./127mm	35	R26530R	4.000in./101.6mm	15	T23266T	4.330in./110mm	29	T23479T	4.330in./110mm	30
5155255	5.000in./127mm	35	R36530R	5.000in./127mm	38	T23266T	4.330in./110mm	30	T23479T	4.330in./110mm	28
5160034	5.000in./127mm	35	T499T	3.500in./88.9mm	13	T23266T	4.330in./110mm	28	T23480T	4.328in./109.9mm	16
5173988	5.000in./127mm	35	T632T	3.500in./88.9mm	13	T23267	4.328in./109.9mm	29	T23483T	3.858in./98mm	14
5179067	5.000in./127mm	35	T633T	3.500in./88.9mm	26	T23267	4.328in./109.9mm	28	T23483T	4.328in./109.9mm	14
5182940	5.000in./127mm	35	T633T	3.500in./88.9mm	25	T23267	4.330in./110mm	29	T23484T	3.858in./98mm	14
A5638R	6.375in./161.9mm	4	T633T	3.500in./88.9mm	23	T23267	4.330in./110mm	30	T23484T	4.328in./109.9mm	14
F1910R	6.375in./161.9mm	7	T13048T	3.000in./76.2mm	13	T23267	4.330in./110mm	28	T23516T	4.328in./109.9mm	29
F2729R	6.375in./161.9mm	7	T17885T	3.000in./76.2mm	13	T23277T	4.328in./109.9mm	29	T23516T	4.328in./109.9mm	28
F2792R	6.375in./161.9mm	7	T23246T	4.328in./109.9mm	29	T23277T	4.328in./109.9mm	28	T23516T	4.330in./110mm	29
F3315R	6.375in./161.9mm	7	T23246T	4.328in./109.9mm	28	T23277T	4.330in./110mm	29	T23516T	4.330in./110mm	30
F3560R	6.375in./161.9mm	7	T23246T	4.330in./110mm	29	T23277T	4.330in./110mm	30	T23516T	4.330in./110mm	28
F3561R	6.375in./161.9mm	7	T23246T	4.330in./110mm	30	T23277T	4.330in./110mm	28	T23517T	4.328in./109.9mm	16
M450T	4.000in./101.6mm	1	T23246T	4.330in./110mm	28	T23479T	4.328in./109.9mm	29	T28743	4.328in./109.9mm	18
M1692T	4.000in./101.6mm	1	T23266T	4.328in./109.9mm	29	T23479T	4.328in./109.9mm	28			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

2 CYL

1	100.5 CID (1.6L) M 2 Cyl	4.000in./101.6mm x 4.000in./101.6mm	1
	113 CID (1.9L) 113 2 Cyl	4.250in./108mm x 4.000in./101.6mm	
Rod Bearing(2)	B-1 CB-436B	STD,10,20,30	2.4980/2.4990 0.0015/0.0041 0.0750 2.6500/2.6510 1.3390
Main Bearing Set	TM-77 MS-319P	STD,10,20	
1	MB-1581P		2.3970/2.3980 0.0013/0.0039 0.0855 2.5700/2.5710 2.0050
2	MB-1582P(F)		2.3970/2.3980 0.0013/0.0039 0.0855 2.5700/2.5710 2.2660
Cam Bearing Set	B-1 SH-531S	STD	
1	SH-531		1.8095/1.8105 0.0010/0.0050 0.0580 1.9275/1.9285 1.6050
2	SH-532		1.8095/1.8105 0.0010/0.0050 0.0580 1.9275/1.9285 1.2270
Piston Pin Bushing(2)	C-1 223-3591	STD	0.0630 1.3080/1.3105 1.6250
NOTE: Requires Boring, 1.1775" Inside Diameter,1.3165" Outside Diameter,1.620" Length			
Rod Forging	MT, M29T, M1691T		
C/S Forging	M450T, M1692T, M3114T		
Connecting Rod	55 To 60 Lbs.Ft. (100.5 CID (1.6L) M,113 CID (1.9L) 113)		
Connecting Rod	70 To 80 Lbs.Ft. (100.5 CID (1.6L) M)		
Main Bearing	140 Lbs.Ft.		

2	175 CID (2.9L) B 2 Cyl	4.500in./114.3mm x 5.500in./139.7mm	2
	190 CID (3.1L) 50 Flex 2 Cyl	4.687in./119.1mm x 5.500in./139.7mm	
Rod Bearing(2)	TM-77 CB-469P	STD	2.7485/2.7500 0.0013/0.0048 0.0746 2.9000/2.9010 1.4850
3	190 CID (3.1L) 520,530 2 Cyl	4.687in./119.1mm x 5.500in./139.7mm	3
Piston Pin Bushing(2)	B 223-3489	STD	0.1480 1.8950/1.8970 2.0000
NOTE: Requires Light Reaming			



JOHN DEERE (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
2 CYL (Cont.)									
4	303 CID (5.0L) 620,630 2 Cyl			5.500in./139.7mm x 6.375in./161.9mm					4
Rod Bearing(2)	TM-112	CB-643P	STD,10	3.3735/3.3750	0.0016/0.0051	0.0952	3.5665/3.5675	2.1100	
Piston Pin Bushing(2)	C-1	223-3561	STD			0.0740	1.3125/1.3130	1.8000	
NOTE: Requires Boring									
Rod Forging	A5554R								
C/S Forging	A5638R								
Connecting Rod	100 To 110 Lbs.Ft.								
5	309 CID (5.1L) A 2 Cyl			5.500in./139.7mm x 6.500in./165.1mm					5
Rod Bearing(2)	TM-77	CB-468P	STD,20	2.9985/3.0000	0.0015/0.0046	0.0745	3.1500/3.1510	1.8500	
NOTE: Early Original Equipment Babbitted Connecting Rods Can Be Replaced With Later Insert Type Connecting Rods									
Connecting Rod	100 Lbs.Ft.								
6	321 CID (5.3L) 60 2 Cyl (1955)			5.500in./139.7mm x 6.750in./171.5mm					6
Rod Bearing(2)	TM-77	CB-468P	STD,20	2.9985/3.0000	0.0015/0.0046	0.0745	3.1500/3.1510	1.8500	
Piston Pin Bushing(2)	B	223-3489	STD			0.1480	1.8950/1.8970	2.0000	
NOTE: Requires Light Reaming									
Connecting Rod	100 Lbs.Ft.								
Main Bearing	150 Lbs.Ft.								
7	362 CID (5.9L) 720,730 2 Cyl			6.000in./152.4mm x 6.375in./161.9mm					7
	378 CID (6.2L) 70,720,730 Diesel 2 Cyl			6.125in./155.6mm x 6.375in./161.9mm					7
Rod Bearing(2)	TM-112	CB-644P	STD,10,20	3.7480/3.7490	0.0025/0.0055	0.1255	4.0020/4.0030	1.8800	
Rod Forging	F1047B, F1047R, F1792R, F2432R, F2712R								
C/S Forging	F1910R, F2729R, F2792R, F3315R, F3560R, F3561R								
Connecting Rod	200 To 220 Lbs.Ft. (378 CID (6.2L) 70)								
Connecting Rod	80 To 90 Lbs.Ft. (362 CID (5.9L) 720)								
3 CYL									
8	135 CID (2.2L) 3135G 3 Cyl			3.858in./98mm x 3.858in./98mm					8
Rod Bearing(3)	TM-112	CB-637P	STD,10,20,30	2.3085/2.3095	0.0010/0.0045	0.0630	2.4365/2.4375	1.2190	
Main Bearing Set	TM-112	MS-873AL	STD,10,20,30						
1-2		MB-2454AL		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.1600	
3		MB-2455AL(F)		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.5300	
Piston Pin Bushing(3)	C-1	223-3520	STD			0.1320	1.3075/1.3110	1.5000	
NOTE: Requires Light Reaming									
Connecting Rod	40 To 45 Lbs.Ft.								
Main Bearing	85 Lbs.Ft.								
9	152 CID (2.5L) 3152D Diesel 3 Cyl			3.858in./98mm x 4.328in./109.9mm					9
Rod Bearing(3)	TM-112	CB-759AL	STD,10,20,30	2.7480/2.7490	0.0015/0.0045	0.0750	2.9000/2.9010	1.1860	
Main Bearing Set	TM-112	MS-874AL	STD,10,20,30						
1-2-3		MB-2454AL		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.1600	
4		MB-2455AL(F)		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.5300	
Piston Pin Bushing(3)	C-1	223-3561	STD			0.0740	1.3125/1.3130	1.8000	
NOTE: Requires Boring									
Connecting Rod	40 To 45 Lbs.Ft.								
Main Bearing	85 Lbs.Ft.								
10	164 CID (2.7L) 3164D Diesel 3 Cyl			4.020in./102.108mm x 4.328in./109.9mm					10
Rod Bearing(3)	TM-112	CB-759AL	STD,10,20,30	2.7480/2.7490	0.0015/0.0045	0.0750	2.9000/2.9010	1.1860	
Main Bearing Set	TM-112	MS-874AL	STD,10,20,30						
1-2-3		MB-2454AL		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.1600	
4		MB-2455AL(F)		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.5300	
Piston Pin Bushing(3)	C-1	223-3561	STD			0.0740	1.3125/1.3130	1.8000	
NOTE: Requires Boring, 1.1896" Inside Diameter,1.313" Outside Diameter									



JOHN DEERE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL (Cont.)								
10 (Cont.)	164 CID (2.7L) 3164D Diesel 3 Cyl			4.020in./102.108mm x 4.328in./109.9mm				10 (Cont.)
Piston Pin Bushing(3)	C-1	223-3596	STD	0.1235				1.5700
NOTE: Requires Boring, 1.3765" Inside Diameter,1.500" Outside Diameter								
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 85 Lbs.Ft.							
11	164 CID (2.7L) 3164G 3 Cyl			4.020in./102.108mm x 4.328in./109.9mm				11
Rod Bearing(3)	TM-112	CB-637P	STD,10,20,30	2.3085/2.3095	0.0010/0.0045	0.0630	2.4365/2.4375	1.2190
Main Bearing Set 1-2	TM-112	MS-873AL	STD,10,20,30	3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.1600
3		MB-2454AL MB-2455AL(F)		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.5300
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 85 Lbs.Ft.							
12	179 CID (2.9L) 3179D Diesel 3 Cyl			4.188in./106.4mm x 4.328in./109.9mm				12
Rod Bearing(3)	TM-112	CB-759AL	STD,10,20,30	2.7480/2.7490	0.0015/0.0045	0.0750	2.9000/2.9010	1.1860
Main Bearing Set 1-2-3	TM-112	MS-874AL	STD,10,20,30	3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.1600
4		MB-2454AL MB-2455AL(F)		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.5300
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 85 Lbs.Ft.							
4 CYL								
13	115 CID (1.9L) 115 4 Cyl			3.500in./88.9mm x 3.000in./76.2mm				13
	145 CID (2.4L) 145 4 Cyl			3.625in./92.1mm x 3.500in./88.9mm				
	145 CID (2.4L) 145 Diesel 4 Cyl			3.625in./92.1mm x 3.500in./88.9mm				
	145 CID (2.4L) 145 LPG 4 Cyl			3.625in./92.1mm x 3.500in./88.9mm				
	155 CID (2.5L) 155 Diesel 4 Cyl			3.750in./95.3mm x 3.500in./88.9mm				
	165 CID (2.7L) 165 4 Cyl			3.875in./98.4mm x 3.500in./88.9mm				
	165 CID (2.7L) 165 Diesel 4 Cyl			3.875in./98.4mm x 3.500in./88.9mm				
Rod Bearing(4)	TM-112	CB-637P	STD,10,20,30	2.3085/2.3095	0.0010/0.0045	0.0630	2.4365/2.4375	1.2190
Cam Bearing Set 1	B-1	SH-500S	STD	1.8095/1.8105	0.0010/0.0050	0.0580	1.9275/1.9285	1.2910
2-3		SH-500 SH-501		1.8095/1.8105	0.0010/0.0050	0.0580	1.9275/1.9285	0.9480
Piston Pin Bushing(4)	C-1	223-3520	STD	0.1320				1.5000
NOTE: Requires Light Reaming								
Rod Forging	T454T							
C/S Forging	T499T, T632T, T13048T, T17885T							
Connecting Rod	40 To 45 Lbs.Ft.							
14	180 CID (3.0L) 4180G 4 Cyl 202 CID (3.3L) 4202G 4 Cyl			3.858in./98mm x 3.858in./98mm 3.858in./98mm x 4.328in./109.9mm				14
Rod Bearing(4)	TM-112	CB-637P	STD,10,20,30	2.3085/2.3095	0.0010/0.0045	0.0630	2.4365/2.4375	1.2190
Main Bearing Set 1-2	TM-112	MS-873AL	STD,10,20,30	3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.1600
3		MB-2454AL MB-2455AL(F)		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.5300
Piston Pin Bushing(4)	C-1	223-3520	STD	0.1320				1.5000
NOTE: Requires Light Reaming								
C/S Forging	T23483T, T23484T							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 85 Lbs.Ft.							
15	201 CID (3.3L) 201 4 Cyl 227 CID (3.7L) 227 4 Cyl			4.000in./101.6mm x 4.000in./101.6mm 4.250in./108mm x 4.000in./101.6mm				15
Rod Bearing(4)	TM-112	CB-669P	STD,2,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900
Main Bearing Set 1-3	TM-112	MS-836P	STD,10,20	3.3715/3.3725	0.0019/0.0049	0.1265	3.6270/3.6280	1.3900
2		MB-2415P MB-2416P(F)		3.3715/3.3725	0.0019/0.0049	0.1265	3.6270/3.6280	1.7450
NOTE: Blocks Marked R26150, R26160,Main Bearing Caps With Offset Locating Lug								



JOHN DEERE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
15 (Cont.)	201 CID (3.3L) 201 4 Cyl			4.000in./101.6mm x 4.000in./101.6mm				15 (Cont.)
	227 CID (3.7L) 227 4 Cyl			4.250in./108mm x 4.000in./101.6mm				
Main Bearing Set 1-3 2	TM-112	MS-1526P MB-2858P MB-2859P	STD,10,20	3.3715/3.3725 3.3720/3.3730	0.0020/0.0050 0.0015/0.0045	0.1264 0.1264	3.6270/3.6280 3.6270/3.6280	1.3900 1.6780
NOTE: Blocks Marked R40910, R40920, R46350, R46430, R49450, Main Bearing Caps With Centered Locating Lug, Contains 3 Piece Thrust Washer Set, Use In Number 2 Position, Contains Straight Shell Bearings								
Cam Bearing Set 1-2-3	C-1	SH-786S SH-786	STD	2.3745/2.3755	0.0020/0.0060	0.0610	2.4995/2.5005	1.0160
Piston Pin Bushing(4)	C-1	223-3521	STD			0.0670	1.3700/1.3740	1.5100
NOTE: Requires Light Reaming								
Rod Forging	R26046R							
C/S Forging	R26530R							
Connecting Rod	100 To 110 Lbs.Ft. (227 CID (3.7L) 227)							
Connecting Rod	85 To 90 Lbs.Ft. (201 CID (3.3L) 201)							
Main Bearing	150 Lbs.Ft.							
16	202 CID (3.3L) 4202D Diesel 4 Cyl			3.858in./98mm x 4.328in./109.9mm				16
Rod Bearing(4)	TM-112	CB-637P	STD,10,20,30	2.3085/2.3095	0.0010/0.0045	0.0630	2.4365/2.4375	1.2190
Rod Bearing(4)	TM-112	CB-759AL	STD,10,20,30	2.7480/2.7490	0.0015/0.0045	0.0750	2.9000/2.9010	1.1860
Main Bearing Set 1-2-3-4 5	TM-112	MS-875AL MB-2454AL MB-2455AL(F)	STD,10,20,30	3.1230/3.1240 3.1230/3.1240	0.0019/0.0049 0.0019/0.0049	0.0997 0.0997	3.3250/3.3260 3.3250/3.3260	1.1600 1.5300
Piston Pin Bushing(4)	C-1	223-3520	STD			0.1320	1.3075/1.3110	1.5000
NOTE: Requires Light Reaming								
Piston Pin Bushing(4)	C-1	223-3561	STD			0.0740	1.3125/1.3130	1.8000
NOTE: Requires Boring								
C/S Forging	T23480T, T23517T							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
17	219 CID (3.6L) 4219D Diesel 4 Cyl			4.020in./102.108mm x 4.328in./109.9mm				17
	219 CID (3.6L) 4219T Turbocharged Diesel 4 Cyl			4.020in./102.108mm x 4.328in./109.9mm				
Rod Bearing(4)	TM-112	CB-759AL	STD,10,20,30	2.7480/2.7490	0.0015/0.0045	0.0750	2.9000/2.9010	1.1860
Main Bearing Set 1-2-3-4 5	TM-112	MS-875AL MB-2454AL MB-2455AL(F)	STD,10,20,30	3.1230/3.1240 3.1230/3.1240	0.0019/0.0049 0.0019/0.0049	0.0997 0.0997	3.3250/3.3260 3.3250/3.3260	1.1600 1.5300
Piston Pin Bushing(4)	C-1	223-3561	STD			0.0740	1.3125/1.3130	1.8000
NOTE: Requires Boring, 1.1896" Inside Diameter, 1.313" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3596	STD			0.1235		1.5700
NOTE: Requires Boring, 1.3765" Inside Diameter, 1.500" Outside Diameter								
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
18	219 CID (3.6L) 4219G 4 Cyl			4.020in./102.108mm x 4.328in./109.9mm				18
Rod Bearing(4)	TM-112	CB-637P	STD,10,20,30	2.3085/2.3095	0.0010/0.0045	0.0630	2.4365/2.4375	1.2190
Main Bearing Set 1-2 3	TM-112	MS-873AL MB-2454AL MB-2455AL(F)	STD,10,20,30	3.1230/3.1240 3.1230/3.1240	0.0019/0.0049 0.0019/0.0049	0.0997 0.0997	3.3250/3.3260 3.3250/3.3260	1.1600 1.5300
C/S Forging	T28743							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
19	239 CID (3.9L) 4239D Diesel 4 Cyl			4.188in./106.4mm x 4.328in./109.9mm				19
	239 CID (3.9L) 4239T Turbocharged Diesel 4 Cyl			4.188in./106.4mm x 4.328in./109.9mm				
Rod Bearing(4)	TM-112	CB-759AL	STD,10,20,30	2.7480/2.7490	0.0015/0.0045	0.0750	2.9000/2.9010	1.1860



JOHN DEERE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
19 (Cont.)	239 CID (3.9L) 4239D Diesel 4 Cyl			4.188in./106.4mm x 4.328in./109.9mm				19 (Cont.)
	239 CID (3.9L) 4239T Turbocharged Diesel 4 Cyl			4.188in./106.4mm x 4.328in./109.9mm				
Main Bearing Set 1-2-3-4	TM-112	MS-875AL	STD,10,20,30	3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.1600
5		MB-2454AL		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.5300
		MB-2455AL(F)						
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
20	254 CID (4.2L) 254 Diesel 4 Cyl			4.125in./104.8mm x 4.750in./120.7mm				20
Rod Bearing(4)	TM-112	CB-669P	STD,2,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900
Main Bearing Set 1-2-4-5	TM-112	MS-837P	STD,10,20	3.3715/3.3725	0.0019/0.0049	0.1265	3.6270/3.6280	1.3900
3		MB-2415P		3.3715/3.3725	0.0019/0.0049	0.1265	3.6270/3.6280	1.7450
		MB-2416P(F)						
NOTE: Blocks Marked R26150, R26160, Main Bearing Caps With Offset Locating Lug								
Main Bearing Set 1-2-4-5	TM-112	MS-1527P	STD,10,20,30	3.3715/3.3725	0.0020/0.0050	0.1264	3.6270/3.6280	1.3900
3		MB-2858P		3.3720/3.3730	0.0015/0.0045	0.1264	3.6270/3.6280	1.6780
		MB-2859P						
NOTE: Blocks Marked R40910, R40920, R46350, R46430, R49450, Main Bearing Caps With Centered Locating Lug, Contains Straight Shell Bearings, Set Contains 3 Piece Thrust Washer Set, Use In Number 3 Position								
Cam Bearing Set 1-2-3	B-1	SH-786S	STD	2.3745/2.3755	0.0020/0.0060	0.0610	2.4995/2.5005	1.0160
		SH-786						
Piston Pin Bushing(4)	C-1	223-3522	STD			0.0670	1.6250/1.6255	1.5100
NOTE: Requires Boring								
Connecting Rod	120 To 130 Lbs.Ft.							
Main Bearing	150 Lbs.Ft.							
21	270 CID (4.4L) 4270D Diesel 4 Cyl			4.250in./108mm x 4.750in./120.7mm				21
Rod Bearing(4)	TM-112	CB-669P	STD,2,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900
Main Bearing Set 1-2-4-5	TM-112	MS-837P	STD,10,20	3.3715/3.3725	0.0019/0.0049	0.1265	3.6270/3.6280	1.3900
3		MB-2415P		3.3715/3.3725	0.0019/0.0049	0.1265	3.6270/3.6280	1.7450
		MB-2416P(F)						
NOTE: Blocks Marked R26150, R26160, Main Bearing Caps With Offset Locating Lug								
Main Bearing Set 1-2-4-5	TM-112	MS-1527P	STD,10,20,30	3.3715/3.3725	0.0020/0.0050	0.1264	3.6270/3.6280	1.3900
3		MB-2858P		3.3720/3.3730	0.0015/0.0045	0.1264	3.6270/3.6280	1.6780
		MB-2859P						
NOTE: Blocks Marked R40910, R40920, R46350, R46430, R49450, Main Bearing Caps With Centered Locating Lug, Contains Straight Shell Bearings, Set Contains 3 Piece Thrust Washer Set, Use In Number 3 Position								
Cam Bearing Set 1-2-3	C-1	SH-786S	STD	2.3745/2.3755	0.0020/0.0060	0.0610	2.4995/2.5005	1.0160
		SH-786						
Piston Pin Bushing(4)	C-1	223-3522	STD			0.0670	1.6250/1.6255	1.5100
NOTE: Engines With 1.500" Piston Pin Diameter, Requires Boring								
Piston Pin Bushing(4)	C-1	223-3561	STD			0.0740	1.3125/1.3130	1.8000
NOTE: Requires Boring, 1.1896" Inside Diameter, 1.313" Outside Diameter, 1.565" Length								
22	276 CID (4.5L) 4276D Diesel 4 Cyl			4.188in./106.4mm x 5.000in./127mm				22
	276 CID (4.5L) 4276T Turbocharged Diesel 4 Cyl			4.188in./106.4mm x 5.000in./127mm				
Rod Bearing(4)	TM-112	CB-1231AL	STD,10,20,30	3.0630/3.0640	0.0015/0.0045	0.0950	3.2550/3.2560	1.0480
Main Bearing Set 1-2-3-4	TM-112	MS-875AL	STD,10,20,30	3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.1600
5		MB-2454AL		3.1230/3.1240	0.0019/0.0049	0.0997	3.3250/3.3260	1.5300
		MB-2455AL(F)						
6 CYL								
23	217 CID (3.6L) 217 6 Cyl			3.625in./92.1mm x 3.500in./88.9mm				23
	217 CID (3.6L) 217 CNG 6 Cyl			3.625in./92.1mm x 3.500in./88.9mm				
	217 CID (3.6L) 217 LPG 6 Cyl			3.625in./92.1mm x 3.500in./88.9mm				
Rod Bearing(6)	TM-112	CB-637P	STD,10,20,30	2.3085/2.3095	0.0010/0.0045	0.0630	2.4365/2.4375	1.2190
Cam Bearing Set 1	B-1	SH-501S	STD	1.8095/1.8105	0.0010/0.0050	0.0580	1.9275/1.9285	1.2910
2-3-4		SH-500		1.8095/1.8105	0.0010/0.0050	0.0580	1.9275/1.9285	0.9480
		SH-501						



JOHN DEERE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
23 (Cont.)	217 CID (3.6L) 217 6 Cyl			3.625in./92.1mm x 3.500in./88.9mm				23 (Cont.)
	217 CID (3.6L) 217 CNG 6 Cyl			3.625in./92.1mm x 3.500in./88.9mm				
	217 CID (3.6L) 217 LPG 6 Cyl			3.625in./92.1mm x 3.500in./88.9mm				
Piston Pin Bushing(6)		C-1	223-3520	STD		0.1320	1.3075/1.3110	1.5000
NOTE: Thru Eng. Serial No. 51615, Requires Light Reaming								
C/S Forging T633T								
Connecting Rod		40 To 45 Lbs.Ft.						
Main Bearing		145 Lbs.Ft.						
24	230 CID (3.8L) QXD3 Hercules 6 Cyl			3.438in./87.33mm x 4.125in./104.8mm				24
Rod Bearing(6)	TM-112	CB-341P	STD,10,20	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.0280
Cam Bearing Set	B-1	SH-322S	STD					
1-4		SH-322		1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	1.0340
2-3		SH-323		1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	0.5650
25	248 CID (4.1L) 248 6 Cyl			3.875in./98.4mm x 3.500in./88.9mm				25
	248 CID (4.1L) 248 LPG 6 Cyl			3.875in./98.4mm x 3.500in./88.9mm				
Rod Bearing(6)	TM-112	CB-637P	STD,10,20,30	2.3085/2.3095	0.0010/0.0045	0.0630	2.4365/2.4375	1.2190
Cam Bearing Set	B-1	SH-501S	STD					
1		SH-500		1.8095/1.8105	0.0010/0.0050	0.0580	1.9275/1.9285	1.2910
2-3-4		SH-501		1.8095/1.8105	0.0010/0.0050	0.0580	1.9275/1.9285	0.9480
Piston Pin Bushing(6)	C-1	223-3522	STD			0.0670	1.6250/1.6255	1.5100
NOTE: Thru Eng. Serial No. 12185								
C/S Forging T633T								
Connecting Rod		40 To 45 Lbs.Ft.						
Main Bearing		145 Lbs.Ft.						
26	248 CID (4.1L) 248 Diesel 6 Cyl			3.875in./98.4mm x 3.500in./88.9mm				26
Rod Bearing(6)	TM-112	CB-637P	STD,10,20,30	2.3085/2.3095	0.0010/0.0045	0.0630	2.4365/2.4375	1.2190
Cam Bearing Set	B-1	SH-501S	STD					
1		SH-500		1.8095/1.8105	0.0010/0.0050	0.0580	1.9275/1.9285	1.2910
2-3-4		SH-501		1.8095/1.8105	0.0010/0.0050	0.0580	1.9275/1.9285	0.9480
C/S Forging T633T								
Connecting Rod		40 To 45 Lbs.Ft.						
27	301 CID (4.9L) 301 6 Cyl			4.000in./101.6mm x 4.000in./101.6mm				27
	341 CID (5.6L) 6341 6 Cyl			4.250in./108mm x 4.000in./101.6mm				
Rod Bearing(6)	TM-112	CB-669P	STD,2,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900
Main Bearing Set	TM-112	MS-838P	STD,10,20					
1-2-4		MB-2415P		3.3715/3.3725	0.0019/0.0049	0.1265	3.6270/3.6280	1.3900
3		MB-2416P(F)		3.3715/3.3725	0.0019/0.0049	0.1265	3.6270/3.6280	1.7450
NOTE: Main Bearing Caps With Offset Locating Lug								
Main Bearing Set	TM-112	MS-1528P	STD,10,20,30					
1-2-4		MB-2858P		3.3715/3.3725	0.0020/0.0050	0.1264	3.6270/3.6280	1.3900
3		MB-2859P		3.3720/3.3730	0.0015/0.0045	0.1264	3.6270/3.6280	1.6780
NOTE: Main Bearing Caps With Centered Locating Lug, Contains Straight Shell Bearings,Set Contains 3 Piece Thrust Washer Set, Use In Number 3 Position								
Cam Bearing Set	C-1	SH-785S	STD					
1-2-3-4		SH-786		2.3745/2.3755	0.0020/0.0060	0.0610	2.4995/2.5005	1.0160
Piston Pin Bushing(6)	C-1	223-3521	STD			0.0670	1.3700/1.3740	1.5100
NOTE: Requires Light Reaming								
Connecting Rod		100 To 110 Lbs.Ft. (341 CID (5.6L) 6341)						
Connecting Rod		85 To 95 Lbs.Ft. (301 CID (4.9L) 301)						
Main Bearing		150 Lbs.Ft.						
28	303 CID (5.0L) 6303D Diesel 6 Cyl			3.858in./98mm x 4.328in./109.9mm				28
	329 CID (5.4L) 6329D Diesel 6 Cyl			4.020in./102.108mm x 4.328in./109.9mm				
	359 CID (5.9L) 6359D Diesel 6 Cyl			4.188in./106.4mm x 4.330in./110mm				
	359 CID (5.9L) 6359T Turbocharged Diesel 6 Cyl			4.188in./106.4mm x 4.330in./110mm				
Rod Bearing(6)	TM-112	CB-759AL	STD,10,20,30	2.7480/2.7490	0.0015/0.0045	0.0750	2.9000/2.9010	1.1860



JOHN DEERE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
28 (Cont.)	303 CID (5.0L) 6303D Diesel 6 Cyl 329 CID (5.4L) 6329D Diesel 6 Cyl 359 CID (5.9L) 6359D Diesel 6 Cyl 359 CID (5.9L) 6359T Turbocharged Diesel 6 Cyl			3.858in./98mm x 4.328in./109.9mm 4.020in./102.108mm x 4.328in./109.9mm 4.188in./106.4mm x 4.330in./110mm 4.188in./106.4mm x 4.330in./110mm			28 (Cont.)	
Main Bearing Set 1-2-3-4-5-6 7	TM-112	MS-1459AL MB-2454AL MB-2455AL(F)	STD,10,20,30	3.1230/3.1240 3.1230/3.1240	0.0019/0.0049 0.0019/0.0049	0.0997 0.0997	3.3250/3.3260 3.3250/3.3260	1.1600 1.5300
Piston Pin Bushing(6) NOTE: Requires Boring, 1.313" Outside Diameter	C-1	223-3561	STD			0.0740	1.3125/1.3130	1.8000
Piston Pin Bushing(6) NOTE: Requires Boring, 1.500" Outside Diameter	C-1	223-3596	STD			0.1235		1.5700
C/S Forging T23267, T23246T, T23266T, T23277T, T23479T, T23516T								
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 85 Lbs.Ft.								
29	303 CID (5.0L) 6303G 6 Cyl 303 CID (5.0L) 6303L LPG 6 Cyl 329 CID (5.4L) 6329G 6 Cyl			3.858in./98mm x 4.330in./110mm 3.858in./98mm x 4.328in./109.9mm 4.020in./102.108mm x 4.330in./110mm			29	
Rod Bearing(6)	TM-112	CB-759AL	STD,10,20,30	2.7480/2.7490	0.0015/0.0045	0.0750	2.9000/2.9010	1.1860
Main Bearing Set 1-2-3 4	TM-112	MS-874AL MB-2454AL MB-2455AL(F)	STD,10,20,30	3.1230/3.1240 3.1230/3.1240	0.0019/0.0049 0.0019/0.0049	0.0997 0.0997	3.3250/3.3260 3.3250/3.3260	1.1600 1.5300
Piston Pin Bushing(6) NOTE: Requires Boring	C-1	223-3561	STD			0.0740	1.3125/1.3130	1.8000
C/S Forging T23267, T23246T, T23266T, T23277T, T23479T, T23516T								
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 85 Lbs.Ft.								
30	329 CID (5.4L) 6329T Turbocharged Diesel 6 Cyl			4.016in./102mm x 4.330in./110mm			30	
Rod Bearing(6)	TM-112	CB-759AL	STD,10,20,30	2.7480/2.7490	0.0015/0.0045	0.0750	2.9000/2.9010	1.1860
Main Bearing Set 1-2-3-4-5-6 7	TM-112	MS-1459AL MB-2454AL MB-2455AL(F)	STD,10,20,30	3.1230/3.1240 3.1230/3.1240	0.0019/0.0049 0.0019/0.0049	0.0997 0.0997	3.3250/3.3260 3.3250/3.3260	1.1600 1.5300
Piston Pin Bushing(6) NOTE: Requires Boring	C-1	223-3561	STD			0.0740	1.3125/1.3130	1.8000
C/S Forging T23267, T23246T, T23266T, T23277T, T23479T, T23516T								
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 85 Lbs.Ft.								
31	362 CID (5.9L) 362 6 Cyl 362 CID (5.9L) 6362 Flex 6 Cyl			4.250in./108mm x 4.000in./101.6mm 4.250in./108mm x 4.250in./108mm			31	
Rod Bearing(6)	TM-112	CB-669P	STD,2,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900
Main Bearing Set 1-2-4 3	TM-77	MS-1528P MB-2858P MB-2859P	STD,10,20,30	3.3715/3.3725 3.3720/3.3730	0.0020/0.0050 0.0015/0.0045	0.1264 0.1264	3.6270/3.6280 3.6270/3.6280	1.3900 1.6780
Piston Pin Bushing(6) NOTE: Contains Straight Shell Bearings,Set Contains 3 Piece Thrust Washer Set, Use In Number 3 Position	C-1	223-3522	STD			0.0670	1.6250/1.6255	1.5100
Connecting Rod 100 To 110 Lbs.Ft. Main Bearing 150 Lbs.Ft.								
32	381 CID (6.2L) 381 Diesel 6 Cyl 404 CID (6.6L) 6404D Diesel 6 Cyl			4.125in./104.8mm x 4.750in./120.7mm 4.250in./108mm x 4.750in./120.7mm			32	
Rod Bearing(6)	TM-112	CB-669P	STD,2,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900



JOHN DEERE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
32 (Cont.)	381 CID (6.2L) 381 Diesel 6 Cyl			4.125in./104.8mm x 4.750in./120.7mm				32 (Cont.)
	404 CID (6.6L) 6404D Diesel 6 Cyl			4.250in./108mm x 4.750in./120.7mm				
Main Bearing Set 1-2-3-4-6-7 5	TM-112	MS-839P MB-2415P MB-2416P(F)	STD,10,20	3.3715/3.3725 3.3715/3.3725	0.0019/0.0049 0.0019/0.0049	0.1265 0.1265	3.6270/3.6280 3.6270/3.6280	1.3900 1.7450
NOTE: Main Bearing Caps With Offset Locating Lug								
Main Bearing Set 1-2-3-4-6-7 5	TM-112	MS-1529P MB-2858P MB-2859P	STD,10,20,30	3.3715/3.3725 3.3720/3.3730	0.0020/0.0050 0.0015/0.0045	0.1264 0.1264	3.6270/3.6280 3.6270/3.6280	1.3900 1.6780
NOTE: Main Bearing Caps With Centered Locating Lug, Contains 3 Piece Thrust Washer Set, Use In Number 5 Position, Contains Straight Shell Bearings								
Cam Bearing Set 1-2-3-4	C-1	SH-785S SH-786	STD	2.3745/2.3755	0.0020/0.0060	0.0610	2.4995/2.5005	1.0160
Piston Pin Bushing(6)	C-1	223-3522	STD			0.0670	1.6250/1.6255	1.5100
NOTE: Engines With 1.500" Piston Pin Diameter, Requires Boring								
Connecting Rod Main Bearing	120 To 130 Lbs.Ft. 150 Lbs.Ft.							
33	404 CID (6.6L) 6404A Turbocharged/Aftercooled Diesel 6 Cyl			4.250in./108mm x 4.750in./120.7mm				33
	404 CID (6.6L) 6404T Turbocharged Diesel 6 Cyl			4.250in./108mm x 4.750in./120.7mm				
Rod Bearing(6)	TM-112	CB-669P	STD,2,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900
Main Bearing Set 1-2-3-4-6-7 5	TM-112	MS-1529P MB-2858P MB-2859P	STD,10,20,30	3.3715/3.3725 3.3720/3.3730	0.0020/0.0050 0.0015/0.0045	0.1264 0.1264	3.6270/3.6280 3.6270/3.6280	1.3900 1.6780
NOTE: From Engine Serial Number 201000, Contains 3 Piece Thrust Washer Set, Use In Number 5 Position, Contains Straight Shell Bearings								
Cam Bearing Set 1-2-3-4	C-1	SH-785S SH-786	STD	2.3745/2.3755	0.0020/0.0060	0.0610	2.4995/2.5005	1.0160
Piston Pin Bushing(6)	C-1	223-3522	STD			0.0670	1.6250/1.6255	1.5100
NOTE: Engines With 1.500" Piston Pin Diameter, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3590	STD			0.2085		1.5000
NOTE: Requires Boring								
Connecting Rod Main Bearing	120 To 130 Lbs.Ft. 150 Lbs.Ft.							
34	414 CID (6.8L) 6414D Diesel 6 Cyl			4.188in./106.4mm x 5.000in./127mm				34
	414 CID (6.8L) 6414T Turbocharged Diesel 6 Cyl			4.188in./106.4mm x 5.000in./127mm				
Rod Bearing(6)	TM-112	CB-1231AL	STD,10,20,30	3.0630/3.0640	0.0015/0.0045	0.0950	3.2550/3.2560	1.0480
Main Bearing Set 1-2-3-4-5-6 7	TM-112	MS-1459AL MB-2454AL MB-2455AL(F)	STD,10,20,30	3.1230/3.1240 3.1230/3.1240	0.0019/0.0049 0.0019/0.0049	0.0997 0.0997	3.3250/3.3260 3.3250/3.3260	1.1600 1.5300
35	426 CID (7.0L) 6-71,6-71E Detroit Diesel Supercharged Diesel 6 Cyl			4.250in./108mm x 5.000in./127mm				35
Rod Bearing(6)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800
Main Bearing Set 1-2-3-4-5-6-7 7	TM-112	MS-271P MB-1276P MB-2524W	STD,10,20,30,40	3.4990/3.5000 3.8430/3.8435	0.0017/0.0047	0.1553	3.8120/3.8130 4.6250/4.6350	1.1930 0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position								
Thrust Washer Set		TW-411S MB-2524W	STD	3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 7								
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: From Engine Serial Number 6A-57745, Contains 8 Bushings, Housing Requires 2 Bushings Each, Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(5)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(5)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								



JOHN DEERE (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
35 (Cont.)	426 CID (7.0L) 6-71,6-71E Detroit Diesel Supercharged Diesel 6 Cyl				4.250in./108mm x 5.000in./127mm				35 (Cont.)
Cam Thrust Washer Set		SH-477WS	STD						
		SH-477W		1.6910			2.1563	0.1220	
NOTE: From Engine Serial Number 6A-57745, Contains 4 Pieces									
Piston Pin Bushing(12)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175	
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring									
Piston Pin Bushing(6)		223-3548	STD			0.0880		3.2350	
NOTE: Crosshead Piston, 1 Per Rod									
Rod Forging	5144469, 5150093, 5154265								
C/S Forging	6-71, 5154256, 5155255, 5160034, 5173988, 5179067, 5182940								
Connecting Rod	60 To 70 Lbs.Ft.								
Main Bearing	120 To 140 Lbs.Ft. (Nuts)								
Main Bearing	180 To 190 Lbs.Ft. (Bolts)								
36	466 CID (7.6L) 6466A Turbocharged/Intercooled Diesel 6 Cyl				4.563in./115.9mm x 4.750in./120.7mm				36
	466 CID (7.6L) 6466T Turbocharged Diesel 6 Cyl				4.563in./115.9mm x 4.750in./120.7mm				
Rod Bearing(6)	TM-112	CB-1267P	STD,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900	
Main Bearing Set	TM-112	MS-1529P	STD,10,20,30						
1-2-3-4-6-7		MB-2858P		3.3715/3.3725	0.0020/0.0050	0.1264	3.6270/3.6280	1.3900	
5		MB-2859P		3.3720/3.3730	0.0015/0.0045	0.1264	3.6270/3.6280	1.6780	
NOTE: Contains 3 Piece Thrust Washer Set, Use In Number 5 Position									
37	466 CID (7.6L) 6466D Diesel 6 Cyl				4.563in./115.9mm x 4.750in./120.7mm				37
Rod Bearing(6)	TM-112	CB-669P	STD,2,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900	
Main Bearing Set	TM-112	MS-1529P	STD,10,20,30						
1-2-3-4-6-7		MB-2858P		3.3715/3.3725	0.0020/0.0050	0.1264	3.6270/3.6280	1.3900	
5		MB-2859P		3.3720/3.3730	0.0015/0.0045	0.1264	3.6270/3.6280	1.6780	
NOTE: Contains 3 Piece Thrust Washer Set, Use In Number 5 Position									
Piston Pin Bushing(6)	C-1	223-3633	STD			0.0950	1.8125/1.8130	1.5100	
NOTE: Requires Boring									
38	531 CID (8.7L) 6531A Turbocharged/Aftercooled Diesel 6 Cyl				4.750in./120.7mm x 5.000in./127mm				38
	531 CID (8.7L) 6531D Diesel 6 Cyl				4.750in./120.7mm x 5.000in./127mm				
Rod Bearing(6)	TM-112	CB-1225AL	STD,10,20,30	3.4980/3.4990	0.0018/0.0048	0.0956	3.6915/3.6925	1.4450	
Main Bearing Set	TM-112	MS-1453AL	STD,10						
1-2-3-4-6-7		MB-2756AL		3.7480/3.7490	0.0021/0.0051	0.1256	4.0020/4.0030	1.4420	
5		MB-2757AL(F)		3.7480/3.7490	0.0021/0.0051	0.1256	4.0020/4.0030	1.8690	
Cam Bearing Set	C-1	SH-785S	STD						
1-2-3-4		SH-786		2.3745/2.3755	0.0020/0.0060	0.0610	2.4995/2.5005	1.0160	
Piston Pin Bushing(6)	C-1	223-3522	STD			0.0670	1.6250/1.6255	1.5100	
NOTE: Requires Boring									
Rod Forging	R40238								
C/S Forging	R36530R								
Connecting Rod	155 To 165 Lbs.Ft.								
Main Bearing	170 Lbs.Ft.								
39	619 CID (10.1L) 6619A,6619TA Turbocharged/Intercooled Diesel 6 Cyl				5.125in./130.2mm x 5.000in./127mm				39
Rod Bearing(6)	TM-112	CB-1356P	STD,.25mm,.50mm	3.4980/3.4990	0.0018/0.0049	0.0953	3.6915/3.6925	1.4450	
Main Bearing Set	TM-112	MS-1624P	STD,.25mm						
1-2-3-4-6-7		MB-2974P		3.7480/3.7490	0.0022/0.0052	0.1254	4.0020/4.0030	1.4420	
5		MB-2975P		3.7480/3.7490	0.0022/0.0052	0.1254	4.0020/4.0030	1.7710	
NOTE: Contains 3 Piece Thrust Washer Set, Use In Number 5 Position,Contains Straight Shell Bearings									
Cam Bearing Set	C-1	SH-785S	STD						
1-2-3-4		SH-786		2.3745/2.3755	0.0020/0.0060	0.0610	2.4995/2.5005	1.0160	
Connecting Rod	155 To 165 Lbs.Ft.								
Main Bearing	170 Lbs.Ft.								



KENWORTH															
ENGINE DATA															
Engine		Years		Block											
552 CID (9.0L) 6V-92TA Detroit Diesel Turbocharged/Aftercooled Diesel		1982-1986		1											
MODEL DATA															
Model		Engine		Years		Block									
K100		552 CID (9.0L) 6V-92TA Detroit Diesel Diesel		1982-1986		1									
COUNTER DATA					SHOP DATA										
Bearing or Position		Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length					
6 CYL															
1	552 CID (9.0L) 6V-92TA Detroit Diesel Turbocharged/Aftercooled Diesel V6 Cyl (1982-1986)					4.840in./122.9mm x 5.000in./127mm			1						
Rod Bearing(6)		TM-112	CB-555P	STD,2,10,20,30,40		2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100					
Main Bearing Set 1-2-3-4		TM-112	MS-1385P	STD,10,20,30		4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130	1.2450					
			MB-2687P			4.7500/4.7600			5.7300/5.7400	0.1220					
			MB-2523W												
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 4 Position															
Thrust Washer Set		TW-402S	STD			4.7500/4.7600			5.7300/5.7400	0.1220					
		MB-2523W													
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1385P															
Cam Bearing Set		C-1	SH-476RS	STD,20		1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720					
			SH-476R												
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing															
Cam Bearing(4)		AL-1	SH-525	STD		1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230					
Cam Thrust Washer Set			SH-477WS	STD											
			SH-477W			1.6910			2.1563	0.1220					
NOTE: Contains 4 Pieces															
Piston Pin Bushing(6)		223-3548	STD					0.0880		3.2350					
NOTE: Crosshead Piston															
KIA															
ENGINE DATA															
Engine		Years		Bore & Stroke		Block		Engine		Years		Bore & Stroke		Block	
4 CYL						4 CYL (Cont.)									
1597CC (1.6L) DOHC Mazda		1995-1997		3.071in./78mmX3.307in./84mm		1		1839CC (1.8L) DOHC		1995-1997		3.346in./85mmX3.268in./83mm		1	
1597CC (1.6L) SOHC		1994-1995		3.071in./78mmX3.307in./84mm		1		1998CC (2.0L) DOHC 16 Valve		1995-2002		3.390in./86.11mmX3.386in./86mm		3	
1794CC (1.8L) DOHC 16 Valve		1998-2003		3.189in./81mmX3.425in./87mm		2		1998CC (2.0L) SOHC		1995		3.390in./86.11mmX3.386in./86mm		4	
MODEL DATA															
Model		Engine		Years		Block		Model		Engine		Years		Block	
Sephia		1597CC (1.6L) SOHC		1994-1995		1		Spectra		1794CC (1.8L) DOHC 16 Valve		2000-2003		2	
Sephia		1597CC (1.6L) DOHC Mazda		1995-1997		1		Sportage		1998CC (2.0L) SOHC		1995		4	
Sephia		1794CC (1.8L) DOHC 16 Valve		1998-2001		2		Sportage		1998CC (2.0L) DOHC 16 Valve		1995-2002		3	
Sephia		1839CC (1.8L) DOHC		1995-1997		1									
CRANKSHAFT FORGING NUMBERS															
Forging No.		Stroke		Block											
B6S7		3.307in./84mm		1											



KIA (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL									
1	1597CC (1.6L) DOHC Mazda 4 Cyl (1995-1997) 1597CC (1.6L) SOHC 4 Cyl (1994-1995) 1839CC (1.8L) DOHC 4 Cyl (1995-1997)				3.071in./78mm x 3.307in./84mm 3.071in./78mm x 3.307in./84mm 3.346in./85mm x 3.268in./83mm				1
Rod Bearing(4)	AL-3	CB-1453AL	STD.,.25mm,.50mm,.75mm	1.7693/1.7699	0.0011/0.0027	0.0594	1.8898/1.8904	0.6740	
Main Bearing Set 1-2-3-4-5	AL-3	MS-1802AL MB-3173AL	STD.,.25mm,.50mm,.75mm	1.9661/1.9668	0.0009/0.0017	0.0792	2.1260/2.1267	0.6890	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-472S									
Thrust Washer Set		TW-472S MB-3173W	STD	2.2539			2.7165	0.1000	
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1802AL									
C/S Forging B6S7									
Connecting Rod	35 To 38 Lbs.Ft. (1597CC (1.6L) SOHC)								
Connecting Rod	37 To 40 Lbs.Ft. (1597CC (1.6L) DOHC,1839CC (1.8L) DOHC)								
Main Bearing	37 To 40 Lbs.Ft. (1597CC (1.6L) DOHC)								
Main Bearing	40 To 44 Lbs.Ft. (1597CC (1.6L) SOHC,1839CC (1.8L) DOHC)								
2	1794CC (1.8L) DOHC 16 Valve 4 Cyl (1998-2003)				3.189in./81mm x 3.425in./87mm				2
Rod Bearing(4)	AL-3	CB-1453AL	STD.,.25mm,.50mm,.75mm	1.7693/1.7699	0.0011/0.0027	0.0594	1.8898/1.8904	0.6740	
3	1998CC (2.0L) DOHC 16 Valve 4 Cyl (1995-2002)				3.390in./86.11mm x 3.386in./86mm				3
Rod Bearing(4)	AL-3	CB-1455AL	STD.,.25mm,.50mm,.75mm	2.0055/2.0061	0.0012/0.0026	0.0594	2.1261/2.1267	0.8320	
Main Bearing Set 1-2-4-5	AL-3	MS-1803AL MB-3174AL	STD.,.25mm,.50mm,.75mm	2.3597/2.3604	0.0007/0.0030	0.0793	2.5197/2.5203	0.7530	
3		MB-3175AL(F)		2.3597/2.3604	0.0007/0.0030	0.0793	2.5197/2.5203	1.1020	
NOTE: .25mm Undersize Sets Contain .10mm Oversize Length Flanged Bearing,.50mm Undersize Set Contains .18mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .26mm Oversize Length Flanged Bearing,Contains Partial Grooved Main Bearings									
Connecting Rod	37 To 41 Lbs.Ft.								
Main Bearing	61 To 68 Lbs.Ft.								
4	1998CC (2.0L) SOHC 4 Cyl (1995)				3.390in./86.11mm x 3.386in./86mm				4
Rod Bearing(4)	AL-3	CB-1362AL	STD.,.25mm,.50mm,.75mm	2.0055/2.0061	0.0012/0.0026	0.0594	2.1261/2.1267	0.8320	
Main Bearing Set 1-2-4-5	AL-3	MS-1803AL MB-3174AL	STD.,.25mm,.50mm,.75mm	2.3597/2.3604	0.0007/0.0030	0.0793	2.5197/2.5203	0.7530	
3		MB-3175AL(F)		2.3597/2.3604	0.0007/0.0030	0.0793	2.5197/2.5203	1.1020	
NOTE: .25mm Undersize Sets Contain .10mm Oversize Length Flanged Bearing,.50mm Undersize Set Contains .18mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .26mm Oversize Length Flanged Bearing,Contains Partial Grooved Main Bearings									
Connecting Rod	37 To 41 Lbs.Ft.								
Main Bearing	61 To 68 Lbs.Ft.								

KOMATSU									
ENGINE DATA									
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block		
4D155 12840CC (12.8L) Diesel	6.102in./155mmX6.693in./170mm		1	6 CYL (Cont.)					
S4D155 12840CC (12.8L) Diesel	6.102in./155mmX6.693in./170mm		1						
Turbocharged									
6 CYL				S6D155 19260CC (19.3L) Diesel	6.102in./155mmX6.693in./170mm		3		
				SA6D155 19260CC (19.3L) Diesel	6.102in./155mmX6.693in./170mm		3		
6D125 674 CID/11053CC (11.0L) Diesel	4.921in./125mmX5.910in./150mm		2						
MODEL DATA									
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block		
Base Model	Industrial	674 CID/11053CC (11.0L)	2	Base Model	Industrial	19260CC (19.3L)	3		
		6D125 Diesel				SA6D155 Diesel			
Base Model	Industrial	12840CC (12.8L) S4D155 Diesel	1						



KOMATSU (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	12840CC (12.8L) 4D155 Diesel 4 Cyl (1971-1979)				6.102in./155mm x 6.693in./170mm			1
12840CC (12.8L) S4D155 Turbocharged Diesel 4 Cyl (1971-1994)				6.102in./155mm x 6.693in./170mm				
Rod Bearing(4)		CB-1618P	STD,.25mm,.50mm	4.0133/4.0143	0.0028/0.0059	0.1378	4.2917/4.2927	2.4020
Main Bearing Set 1-2-4-5	TM-1	MS-2055P	STD,.25mm,.50mm	4.9809	0.0035/0.0067	0.1378	5.1985	1.8900
3		MB-3449P		4.9809	0.0035/0.0067	0.1378	5.1985	2.9140
Thrust Washer Set		TW-584S	STD					
		MB-3449W		4.9809			6.1425	0.2140
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2055P								
Main Bearing	333 To 376 Lbs.Ft.							
6 CYL								
2	674 CID/11053CC (11.0L) 6D125 Diesel 6 Cyl				4.921in./125mm x 5.910in./150mm			2
Rod Bearing(6)		CB-1773P	STD,.25mm	3.1469/3.1476	0.0015/0.0042	0.9862	3.3464/3.3473	1.5770
Main Bearing Set 1-2-3-4-5-6-7		MS-2197P	STD,.25mm	4.3280/4.3287	0.0023/0.0054	0.1179	4.5669/4.5678	1.3410
		MB-3748P						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-602S								
Thrust Washer Set		TW-602S	STD					
		MB-3748W		4.8030/4.8130			5.4626/5.4724	0.1547
NOTE: Use With Part Number MS-2197P								
3	19260CC (19.3L) S6D155,SA6D155 Diesel 6 Cyl				6.102in./155mm x 6.693in./170mm			3
Rod Bearing(6)	TM-1	CB-1618P	STD,.25mm,.50mm	4.0133/4.0143	0.0028/0.0059	0.1378	4.2917/4.2927	2.4020
Main Bearing Set 1-2-4-6-7	TM-1	MS-2001P	STD,.25mm,.50mm	4.9809	0.0035/0.0067	0.1378	5.1985	1.8900
3-5		MB-3449P		4.9809	0.0035/0.0067	0.1378	5.1985	2.9140
		MB-3450P						
Thrust Washer Set		TW-584S	STD					
		MB-3449W		4.9809			6.1425	0.2140
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-2001P								
Main Bearing	333 To 376 Lbs.Ft.							
KOMLER								
ENGINE DATA								
Engine	Bore & Stroke		Block					
6466A John Deere 466 CID (7.6L)	4.563in./115.9mmX4.750in./120.7mm		1					
Diesel Turbocharged/Intercooled								
MODEL DATA								
Model	Model Type	Engine	Block					
R0271	Power Unit	466 CID (7.6L) 6466A John Deere Diesel	1					
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
1	466 CID (7.6L) 6466A John Deere Turbocharged/Intercooled Diesel 6 Cyl				4.563in./115.9mm x 4.750in./120.7mm			1
Rod Bearing(6)	TM-112	CB-1267P	STD,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900
Main Bearing Set 1-2-3-4-6-7	TM-112	MS-1529P	STD,10,20,30	3.3715/3.3725	0.0020/0.0050	0.1264	3.6270/3.6280	1.3900
5		MB-2858P		3.3720/3.3730	0.0015/0.0045	0.1264	3.6270/3.6280	1.6780
		MB-2859P						
NOTE: Contains 3 Piece Thrust Washer Set, Use In Number 5 Position								



LEXUS								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
6 CYL				8 CYL				
2507CC (2.5L) 2VZFE DOHC Toyota	1990-1991	3.445in./87.5mmX2.756in./70mm	1	3969CC (4.0L) 1UZFE DOHC Toyota	1990-1998	3.445in./87.5mmX3.250in./82.6mm	6	
2959CC (3.0L) 3VZFE DOHC Toyota	1992-1993	3.445in./87.5mmX3.228in./82mm	2	4663CC (4.7L) 2UZFE DOHC Toyota	1998-2004	3.701in./94mmX3.307in./84mm	7	
2995CC (3.0L) 1MZFE DOHC Toyota	1994-2002	3.445in./87.5mmX3.268in./83mm	3	4663CC (4.7L) 2UZFE DOHC VVTi Toyota	2005-2007	3.701in./94mmX3.307in./84mm	7	
2997CC (3.0L) 2JZGE DOHC Toyota	1992-2005	3.386in./86mmX3.386in./86mm	4					
4476CC (4.5L) 1FZFE DOHC Toyota	1996-1997	3.937in./100mmX3.740in./95mm	5					
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
ES250	2507CC (2.5L) 2VZFE DOHC Toyota	1990-1991	1	LS400	3969CC (4.0L) 1UZFE DOHC Toyota	1990-1998	6	
ES300	2959CC (3.0L) 3VZFE DOHC Toyota	1992-1993	2	LX450	4476CC (4.5L) 1FZFE DOHC Toyota	1996-1997	5	
ES300	2995CC (3.0L) 1MZFE DOHC Toyota	1994-2002	3	LX470	4663CC (4.7L) 2UZFE DOHC Toyota	1998-2004	7	
GS300	2997CC (3.0L) 2JZGE DOHC Toyota	1993-2005	4	LX470	4663CC (4.7L) 2UZFE DOHC VVTi Toyota	2005-2007	7	
GS400	3969CC (4.0L) 1UZFE DOHC Toyota	1998	6	RX300	2995CC (3.0L) 1MZFE DOHC Toyota	1999-2002	3	
GX470	4663CC (4.7L) 2UZFE DOHC Toyota	2003-2004	7	SC300	2997CC (3.0L) 2JZGE DOHC Toyota	1992-2000	4	
GX470	4663CC (4.7L) 2UZFE DOHC VVTi Toyota	2005-2007	7	SC400	3969CC (4.0L) 1UZFE DOHC Toyota	1992-1998	6	
CRANKSHAFT FORGING NUMBERS								
Forging No. B7	Stroke 3.268in./83mm	Block 3						
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
1	2507CC (2.5L) 2VZFE DOHC Toyota V6 Cyl (1990-1991)					3.445in./87.5mm x 2.756in./70mm		1
Rod Bearing(6)	TM-1	CB-1594P	STD.,25mm,.50mm	1.8892/1.8898	0.0009/0.0034	0.0586	2.0079/2.0088	0.6690
Main Bearing Set 1	TM-1	MS-1954P	STD.,25mm,.50mm	2.5193/2.5197	0.0010/0.0033	0.0784	2.6775/2.6783	0.8660
2-3-4		MB-3349P		2.5193/2.5197	0.0010/0.0033	0.0784	2.6775/2.6783	0.7874
		MB-3350P						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-554S								
Thrust Washer Set		TW-554S	STD	2.8051			3.4055	0.0980
		MB-3350W						
NOTE: Contains 4 Pieces, Position Number 2, Use With Part Number MS-1954P								
Connecting Rod	18 Lbs.Ft. Plus 90 Degrees							
Main Bearing	45 Lbs.Ft. Plus 90 Degrees							
2	2959CC (3.0L) 3VZFE DOHC Toyota V6 Cyl (1992-1993)					3.445in./87.5mm x 3.228in./82mm		2
Main Bearing Set 1	TM-1	MS-1954P	STD.,25mm,.50mm	2.5193/2.5197	0.0010/0.0033	0.0784	2.6775/2.6783	0.8660
2-3-4		MB-3349P		2.5193/2.5197	0.0010/0.0033	0.0784	2.6775/2.6783	0.7874
		MB-3350P						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-554S								
Thrust Washer Set		TW-554S	STD	2.8051			3.4055	0.0980
		MB-3350W						
NOTE: Contains 4 Pieces, Position Number 2, Use With Part Number MS-1954P								
Connecting Rod	18 Lbs.Ft. Plus 90 Degrees							
Main Bearing	45 Lbs.Ft. Plus 90 Degrees							
3	2995CC (3.0L) 1MZFE DOHC Toyota V6 Cyl (1994-2002)					3.445in./87.5mm x 3.268in./83mm		3
Rod Bearing(6)	TM-1	CB-1833P	STD.,25mm,.50mm	2.0863/2.0866	0.0013/0.0031	0.0584	2.2047/2.2055	0.6300
Main Bearing Set 1-4	TM-1	MS-2240P	STD.,25mm,.50mm	2.4011/2.4016	0.0011/0.0031	0.0979	2.5984/2.5992	0.8860
2-3		MB-3815P		2.4011/2.4016	0.0011/0.0031	0.0979	2.5984/2.5992	0.7480
		MB-3814P						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-618S								



LEXUS (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
3 (Cont.)	2995CC (3.0L) 1MZFE DOHC Toyota V6 Cyl (1994-2002)			3.445in./87.5mm x 3.268in./83mm					3 (Cont.)
Thrust Washer Set		TW-618S	STD	2.6850/2.6949			3.2953/3.3051	0.0780	
		MB-3816W							
NOTE: Contains 4 Pieces, Use With Part Number MS-2240P									
C/S Forging B7									
4	2997CC (3.0L) 2JZGE DOHC Toyota 6 Cyl (1992-2005)			3.386in./86mm x 3.386in./86mm					4
Rod Bearing(6)	TM-1	CB-1628P	STD,.25mm	2.0465/2.0472	0.0014/0.0021	0.0595	2.1663/2.1670	0.7600	
Main Bearing Set	AL-3	MS-2014AL	STD,.25mm	2.4403/2.4410	0.0010/0.0018	0.0791	2.5992/2.5998	0.9060	
1		MB-3477AL							
2-3-4-5-6-7		MB-3550AL		2.4403/2.4410	0.0010/0.0018	0.0791	2.5992/2.5998	0.7880	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-589S									
Thrust Washer Set		TW-589S	STD	2.6535			3.2244	0.0776	
		MB-3477W(L)							
		MB-3477W(U)		2.6535			3.2244	0.0776	
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2014AL									
Connecting Rod	22 Lbs.Ft. Plus 90 Degrees								
Main Bearing	33 Lbs.Ft. Plus 90 Degrees								
5	4476CC (4.5L) 1FZFE DOHC Toyota 6 Cyl (1996-1997)			3.937in./100mm x 3.740in./95mm					5
Rod Bearing(6)	TM-1	CB-1656AL	STD,.25mm,.50mm,.75mm	2.2434/2.2441	0.0013/0.0024	0.0687	2.3829/2.3836	0.8430	
Main Bearing Set	TM-1	MS-2061AL	STD,.25mm,.50mm,.75mm	2.7158/2.7165	0.0015/0.0028	0.0981	2.9144/2.9151	0.9210	
1-2-3-4-5-6-7		MB-3551AL							
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-598S									
Thrust Washer Set		TW-598S	STD	2.9587			3.6969	0.0974	
		MB-3551W(L)							
		MB-3551W(U)		2.9587			3.6969	0.0974	
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-2061AL									
Connecting Rod	35 Lbs.Ft. Plus 90 Degrees								
Main Bearing	54 Lbs.Ft. Plus 90 Degrees								
8 CYL									
6	3969CC (4.0L) 1UZFE DOHC Toyota V8 Cyl (1990-1998)			3.445in./87.5mm x 3.250in./82.6mm					6
Rod Bearing(8)	TM-1	CB-1627P	STD,.25mm	2.0465/2.0472	0.0010/0.0020		2.1654/2.1663	0.7677	
Main Bearing Set	TM-1	MS-2013P	STD	2.6373/2.6378	0.0010/0.0018	0.0984	2.8346/2.8352	0.8860	
1-5		MB-3475P							
2-3-4		MB-3476P		2.6373/2.6378	0.0010/0.0018	0.0984	2.8346/2.8352	0.7680	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-588S									
Thrust Washer Set		TW-588S	STD	2.8901			3.5162	0.8460	
		MB-3476W(L)							
		MB-3476W(U)		2.8901			3.5162	0.8460	
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2013P									
Connecting Rod	18 Lbs.Ft. Plus 90 Degrees								
Main Bearing	20 Lbs.Ft. Plus 90 Degrees (Nuts)								
Main Bearing	36 Lbs.Ft. (Bolts)								
7	4663CC (4.7L) 2UZFE DOHC Toyota (1998-2004)			3.701in./94mm x 3.307in./84mm					7
	4663CC (4.7L) 2UZFE DOHC VVTi Toyota V8 Cyl (2005-2007)			3.701in./94mm x 3.307in./84mm					
Thrust Washer Set		TW-588S	STD	2.8901			3.5162	0.8460	
		MB-3476W(L)							
		MB-3476W(U)		2.8901			3.5162	0.8460	
NOTE: Contains 4 Pieces, Position Number 3									



LISTER									
ENGINE DATA									
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block		
1 CYL				3 CYL (Cont.)					
ST1 39 CID (0.6L) Diesel	3.750in./95.3mmX3.500in./88.9mm		1	ST3 116 CID (1.9L) Diesel	3.750in./95.3mmX3.500in./88.9mm		4		
2 CYL				4 CYL					
HR2 128 CID (2.1L) Diesel	4.250in./108mmX4.500in./114.3mm		3	HR4 255 CID (4.2L) Diesel	4.250in./108mmX4.500in./114.3mm		6		
ST2 77 CID (1.3L) Diesel	3.750in./95.3mmX3.500in./88.9mm		2	6 CYL					
3 CYL				HR6 383 CID (6.3L) Diesel	4.250in./108mmX4.500in./114.3mm		7		
HR3 192 CID (3.1L) Diesel	4.250in./108mmX4.500in./114.3mm		5						
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
1 CYL									
1	39 CID (0.6L) ST1 Diesel 1 Cyl				3.750in./95.3mm x 3.500in./88.9mm				1
Rod Bearing	TM-77	CB-1447P	STD,10,20,40	2.4995/2.5000	0.0019/0.0029	0.0720	2.6460/2.6465	1.2500	
2 CYL									
2	77 CID (1.3L) ST2 Diesel 2 Cyl				3.750in./95.3mm x 3.500in./88.9mm				2
Rod Bearing(2)	TM-77	CB-1447P	STD,10,20,40	2.4995/2.5000	0.0019/0.0029	0.0720	2.6460/2.6465	1.2500	
3	128 CID (2.1L) HR2 Diesel 2 Cyl				4.250in./108mm x 4.500in./114.3mm				3
Rod Bearing(2)	TM-77	CB-1448P	STD,10	2.7487/2.7492	0.0023/0.0044	0.0820	2.9155/2.9160	1.4420	
Main Bearing	TM-77	MB-3164P	STD,10	3.2490/3.2495	0.0025/0.0046	0.0820	3.4160/3.4170	1.4420	
NOTE: Only Sold Separately, Positions 1 And 3									
Main Bearing	TM-77	MB-3165P	STD,10	3.2490/3.2495	0.0025/0.0046	0.0820	3.4160/3.4170	1.4420	
NOTE: Only Sold Separately, Position Number 2									
3 CYL									
4	116 CID (1.9L) ST3 Diesel 3 Cyl				3.750in./95.3mm x 3.500in./88.9mm				4
Rod Bearing(3)	TM-77	CB-1447P	STD,10,20,40	2.4995/2.5000	0.0019/0.0029	0.0720	2.6460/2.6465	1.2500	
5	192 CID (3.1L) HR3 Diesel 3 Cyl				4.250in./108mm x 4.500in./114.3mm				5
Rod Bearing(3)	TM-77	CB-1448P	STD,10	2.7487/2.7492	0.0023/0.0044	0.0820	2.9155/2.9160	1.4420	
Main Bearing(2)	TM-77	MB-3164P	STD,10	3.2490/3.2495	0.0025/0.0046	0.0820	3.4160/3.4170	1.4420	
NOTE: Only Sold Separately, Positions 1 And 4									
Main Bearing(2)	TM-77	MB-3165P	STD,10	3.2490/3.2495	0.0025/0.0046	0.0820	3.4160/3.4170	1.4420	
NOTE: Only Sold Separately, Positions 2 And 3									
4 CYL									
6	255 CID (4.2L) HR4 Diesel 4 Cyl				4.250in./108mm x 4.500in./114.3mm				6
Rod Bearing(4)	TM-77	CB-1448P	STD,10	2.7487/2.7492	0.0023/0.0044	0.0820	2.9155/2.9160	1.4420	
Main Bearing(5)	TM-77	MB-3165P	STD,10	3.2490/3.2495	0.0025/0.0046	0.0820	3.4160/3.4170	1.4420	
NOTE: Only Sold Separately, All Positions									
6 CYL									
7	383 CID (6.3L) HR6 Diesel 6 Cyl				4.250in./108mm x 4.500in./114.3mm				7
Rod Bearing(6)	TM-77	CB-1448P	STD,10	2.7487/2.7492	0.0023/0.0044	0.0820	2.9155/2.9160	1.4420	
Main Bearing(7)	TM-77	MB-3165P	STD,10	3.2490/3.2495	0.0025/0.0046	0.0820	3.4160/3.4170	1.4420	
NOTE: Only Sold Separately, All Positions									



MG											
ENGINE DATA											
Engine	Years	Bore & Stroke		Block	Engine	Years	Bore & Stroke		Block		
4 CYL					4 CYL (Cont.)						
948CC (0.9L) OHV	1961-1962	2.478in./62.9mmX2.992in./76mm		1	1493CC (1.5L)	1975-1980	2.900in./73.6mmX3.465in./88mm		3		
1098CC (1.1L)	1963-1967	2.539in./64.5mmX3.307in./84mm		1	1798CC (1.8L)	1963-1980	3.159in./80.3mmX3.504in./89mm		4		
1275CC (1.3L)	1967-1974	2.780in./70.6mmX3.189in./81mm		2							
MODEL DATA											
Model	Engine	Years	Block	Model	Engine	Years	Block				
1100	1098CC (1.1L)	1963-1967	1	Midget MK I	1098CC (1.1L)	1963-1964	1				
1300	1275CC (1.3L)	1968-1969	2	Midget MK II	1098CC (1.1L)	1964-1966	1				
MGB	1798CC (1.8L)	1963-1980	4	Midget MK III	1275CC (1.3L)	1967-1974	2				
MGB GT	1798CC (1.8L)	1966-1974	4	Midget MK IV	1493CC (1.5L)	1975-1980	3				
Midget MK I	948CC (0.9L) OHV	1961-1962	1								
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
507	3.189in./81mm	2	3597	3.504in./89mm	4	17010	2.992in./76mm	1	G-124	3.307in./84mm	1
3596	3.504in./89mm	4	17009	2.992in./76mm	1	AEG-521	3.189in./81mm	2	G-127	3.307in./84mm	1
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
2A-717-A	2.992in./76mm	1	11C-74	2.992in./76mm	1	22H1954-A	3.504in./89mm	4	BE-53-B	2.992in./76mm	1
2A-829	2.992in./76mm	1	11G-74	2.992in./76mm	1	311406	3.465in./88mm	3			
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL											
1	948CC (0.9L) OHV 4 Cyl (1961-1962)					2.478in./62.9mm x 2.992in./76mm					1
	1098CC (1.1L) 4 Cyl (1963-1967)					2.539in./64.5mm x 3.307in./84mm					
Rod Bearing(4)	VP-2	CB-488P	STD,10,20			1.6254/1.6259	0.0013/0.0033	0.0719	1.7705/1.7710	0.8800	
Rod Forging	17009, 17010, G-124, G-127										
C/S Forging	11C-74, 11G-74, 2A-829, BE-53-B, 2A-717-A										
Connecting Rod	35 Lbs.Ft.										
Main Bearing	60 To 65 Lbs.Ft. (948CC (0.9L) OHV)										
Main Bearing	70 To 75 Lbs.Ft. (1098CC (1.1L))										
2	1275CC (1.3L) 4 Cyl (1967-1974)					2.780in./70.6mm x 3.189in./81mm					2
Rod Bearing(4)	VP-2	CB-488P	STD,10,20			1.6254/1.6259	0.0013/0.0033	0.0719	1.7705/1.7710	0.8800	
NOTE: 1968-1969, 1.625" Diameter Connecting Rod Journal											
Rod Bearing(4)	AL-3	CB-931AL	STD			1.7504/1.7509	0.0013/0.0027	0.0716	1.8955/1.8960	0.8500	
NOTE: 1.750" Diameter Connecting Rod Journal											
Cam Bearing Set	B-1	SH-85S	STD								
1		SH-1001				1.6645/1.6650	0.0013/0.0034	0.0640	1.7955/1.7965	1.1300	
2		SH-1002				1.6227/1.6232	0.0011/0.0027	0.0640	1.7535/1.7540	0.7550	
3		SH-1006				1.3727/1.3735	0.0010/0.0030	0.0640	1.5030/1.5040	0.7800	
NOTE: .780" Length Rear Cam Bearing											
Rod Forging	507, AEG-521										
Connecting Rod	35 Lbs.Ft. (1.625" Diameter Connecting Rod Journal)										
Connecting Rod	45 Lbs.Ft. (1.750" Diameter Connecting Rod Journal)										
Main Bearing	60 Lbs.Ft.										
3	1493CC (1.5L) 4 Cyl (1975-1980)					2.900in./73.6mm x 3.465in./88mm					3
Rod Bearing(4)	AL-3	CB-982P	STD,10,20,30			1.8750/1.8755	0.0016/0.0036	0.0722	2.0210/2.0215	0.6920	
Main Bearing Set	TM-77	MS-1109P	STD,20								
1-2-3		MB-617P				2.3110/2.3115	0.0015/0.0036	0.0720	2.4570/2.4575	0.8550	
NOTE: Requires Thrust Washer Set, Not Included											
C/S Forging	311406										
Connecting Rod	45 Lbs.Ft.										
Main Bearing	65 Lbs.Ft.										
4	1798CC (1.8L) 4 Cyl (1963-1980)					3.159in./80.3mm x 3.504in./89mm					4
Rod Bearing(4)	TM-77	CB-792P	STD,10,20,30			1.8759/1.8764	0.0019/0.0039	0.0716	2.0210/2.0215	0.7850	
Rod Forging	3596, 3597										
C/S Forging	22H1954-A										



MG (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
4 (Cont.)	1798CC (1.8L) 4 Cyl (1963-1980)				3.159in./80.3mm x 3.504in./89mm				4 (Cont.)
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 70 Lbs.Ft.								
MACK									
ENGINE DATA									
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block		
6 CYL				6 CYL (Cont.)					
E3-180 (MIDR 06.02.12) Renault 335 CID/5495CC (5.5L) Diesel Turbocharged	4.016in./102mmX4.409in./112mm		1	EM6-285R 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3		
E6-200 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	EM6-300 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3		
E6-250 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	EM6-300L 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3		
E6-260 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	EM6-300R 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3		
E6-270 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	EM6-310 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3		
E6-275 672 CID (11.0L) Diesel Turbocharged/Aftercooled	4.875in./123.8mmX6.000in./152.4mm		3	EM6-350 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3		
E6-315 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	EM-250 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm		3		
E6-315R 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		4	EMC6-250 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3		
E6-350 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	EMC6-250L 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3		
E6-350R 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	EMC6-285 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3		
E7 728 CID (11.9L) Diesel	4.875in./123.8mmX6.500in./165.1mm		9	EMC6-285R 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3		
E7-350 728 CID (11.9L) Diesel Turbocharged/Aftercooled	4.875in./123.8mmX6.500in./165.1mm		9	EME6-285 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3		
E7-400 728 CID (11.9L) Diesel Turbocharged/Aftercooled	4.875in./123.8mmX6.500in./165.1mm		9	EME6-285R 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3		
EC6-235 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	EN-672 672 CID (11.0L)	4.875in./123.8mmX6.000in./152.4mm		5		
EC6-275 672 CID (11.0L) Diesel Turbocharged/Aftercooled	4.875in./123.8mmX6.000in./152.4mm		3	EN-707 707 CID (11.6L)	5.000in./127mmX6.000in./152.4mm		2		
EC6-300 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	EN-707A 707 CID (11.6L)	5.000in./127mmX6.000in./152.4mm		2		
EC6-300L 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	EN-707B 707 CID (11.6L)	5.000in./127mmX6.000in./152.4mm		2		
EC6-300R 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	EN-707C 707 CID (11.6L)	5.000in./127mmX6.000in./152.4mm		2		
EC6-330 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	END675 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm		4		
EC6-350 672 CID (11.0L) Diesel Turbocharged/Aftercooled	4.875in./123.8mmX6.000in./152.4mm		3	END-605 605 CID (9.9L) Diesel	4.625in./117.5mmX6.000in./152.4mm		2		
EM6-225 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	END-672 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm		5		
EM6-225L 672 CID (11.0L) Diesel Turbocharged/Aftercooled	4.875in./123.8mmX6.000in./152.4mm		3	END-673 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm		7		
EM6-237 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	END-673 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		6		
EM6-237R 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	END-673A 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm		7		
EM6-250 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	END-673B 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm		7		
EM6-250L 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	END-673C 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm		6		
EM6-275 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	END-673D 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm		6		
EM6-275L 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	END-673E 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm		6		
EM6-275R 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	END-673E (Maxidyne) 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		6		
EM6-285 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm		3	END-673P 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm		6		
				END-673PC 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm		6		
				END-673PD 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm		6		
				END-673PR 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm		6		
				END-673T 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm		6		
				END-676 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm		4		
				END-707 707 CID (11.6L) Diesel	5.000in./127mmX6.000in./152.4mm		8		
				END-711 707 CID (11.6L) Diesel	5.000in./127mmX6.000in./152.4mm		8		
				END-711A 707 CID (11.6L) Diesel	5.000in./127mmX6.000in./152.4mm		8		
				END-711B 707 CID (11.6L) Diesel	5.000in./127mmX6.000in./152.4mm		8		
				END-711C 707 CID (11.6L) Diesel	5.000in./127mmX6.000in./152.4mm		8		
				END-6673P 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm		6		



MACK (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
END-6732PB 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	ETAB-675 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4
ENDD-711 707 CID (11.6L) Diesel	5.000in./127mmX6.000in./152.4mm	8	Turbocharged		
ENDDL-711 707 CID (11.6L) Diesel	5.000in./127mmX6.000in./152.4mm	8	ETAB-676B 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4
ENDL711 707 CID (11.6L) Diesel	5.000in./127mmX6.000in./152.4mm	8	Turbocharged		
ENDL-673E 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	ETAY673A 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6
ENDL-673P 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	Turbocharged		
ENDL-707 707 CID (11.6L) Diesel	5.000in./127mmX6.000in./152.4mm	8	ETAY676 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4
ENDLT-673 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	Turbocharged		
Turbocharged			ETAY676D 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	3
ENDLT-673A 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	Turbocharged		
Turbocharged			ETAY-673B 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6
ENDLT-673B 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	Turbocharged/Aftercooled		
Turbocharged			ETAYB-673A 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6
ENDLT-673C 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	Turbocharged		
Turbocharged			ETAYB-676 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4
ENDLT-711 707 CID (11.6L) Diesel	5.000in./127mmX6.000in./152.4mm	8	Turbocharged		
Turbocharged			ETAZ673A 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6
ENDM-605 605 CID (9.9L) Diesel	4.625in./117.5mmX6.000in./152.4mm	2	Turbocharged		
ENDS-672 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	5	ETAZ-673 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6
ENDT676 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4	Turbocharged		
Turbocharged			ETAZ-673B 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6
ENDT676A 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	3	Turbocharged		
Turbocharged			ETAZB-673 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6
ENDT-673 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	Turbocharged		
Turbocharged			ETAZB-673A 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6
ENDT-673A 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	Turbocharged		
Turbocharged			ETAZB-673C 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6
ENDT-673B 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	Turbocharged		
Turbocharged			ETAZB-675 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4
ENDT-673C 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	Turbocharged		
Turbocharged			ETB-673 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6
ENDT-675 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4	Turbocharged		
Turbocharged			ETB-673E 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6
ENDTB-673C 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	Turbocharged		
Turbocharged			ETC-673C 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6
ENDTB-675 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4	Turbocharged		
Turbocharged			ETSX-675 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4
ENDTB-675C 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4	Turbocharged		
Turbocharged			ETSX-676 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4
ENDTB-676 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4	Turbocharged		
Turbocharged			ETSX-677 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4
ENDTB-676A 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4	Turbocharged		
Turbocharged			ETSZ-673A 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6
ENDTB-676B 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4	Turbocharged		
Turbocharged			ETSZ-676 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4
ENDTBF-673C 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	Turbocharged		
Turbocharged			ETSZ-677 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4
ENDTF-673 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	Turbocharged		
Turbocharged			ETSZB-673A 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6
ENDTF-673A 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	Turbocharged		
Turbocharged			ETSZB-676 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4
ENDTF-673C 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	Turbocharged		
Turbocharged			ETSZB-676A 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4
ENDYF-673C 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	Turbocharged		
ENF-707A 707 CID (11.6L)	5.000in./127mmX6.000in./152.4mm	8	ETSZB-677 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4
ENF-707C 707 CID (11.6L)	5.000in./127mmX6.000in./152.4mm	8	Turbocharged		
ET673E 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	ETXB-673D 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6
Turbocharged			Turbocharged		
ET-673 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	ETY673E 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6
Turbocharged			Turbocharged		
ETA-673 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	ETY-673 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6
Turbocharged			Turbocharged		
ETA-676 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4	ETY-675 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4
Turbocharged			Turbocharged		
ETAB-673 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	ETYB-673E 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6
Turbocharged			Turbocharged		
ETAB-673A 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	6	ETYB-675 672 CID (11.0L) Diesel	4.875in./123.8mmX6.000in./152.4mm	4
Turbocharged			Turbocharged		



MACK (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
ETVB-675B 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4	ETVB-675B 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4
ETZ673C 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	MIDR 06.02.12 Renault 335 CID/5495CC (5.5L) Diesel Turbocharged	4.016in./102mmX4.409in./112mm	1
ETZ673E 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	MIDR 06.02.26 Renault 377 CID/6184CC (6.2L) Diesel Turbocharged	4.016in./102mmX4.961in./126mm	1
ETZ677 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	3	MIDS 06.02.12 Renault 335 CID/5495CC (5.5L) Diesel Turbocharged	4.016in./102mmX4.409in./112mm	1
ETZ-673 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	8 CYL		
ETZ-673A 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	END865 866 CID (14.2L) Diesel	5.250in./133.4mmX5.000in./127mm	10
ETZ-673B 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	END866 866 CID (14.2L) Diesel	5.250in./133.4mmX5.000in./127mm	10
ETZ-675 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4	ENDDT-865 866 CID (14.2L) Diesel Turbocharged	5.250in./133.4mmX5.000in./127mm	11
ETZ-675B 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	3	ENDDT-866 866 CID (14.2L) Diesel Turbocharged	5.250in./133.4mmX5.000in./127mm	11
ETZB675 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	4	ENDT865 866 CID (14.2L) Diesel Turbocharged	5.250in./133.4mmX5.000in./127mm	10
ETZB-673 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	ENDT866 866 CID (14.2L) Diesel Turbocharged	5.250in./133.4mmX5.000in./127mm	10
ETZB-673C 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	ENDTB-865 866 CID (14.2L) Diesel Turbocharged	5.250in./133.4mmX5.000in./127mm	11
ETZB-673E 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	6	ENDTB-866 866 CID (14.2L) Diesel Turbocharged	5.250in./133.4mmX5.000in./127mm	11

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
367GC-468F	6.000in./152.4mm	5	367GC-468F	6.000in./152.4mm	2	367GC-468F	6.000in./152.4mm	7	367GC-468F	6.000in./152.4mm	6

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
456CFG-5128	6.500in./165.1mm	9	456GC-518E	6.000in./152.4mm	7	456GC-518G	6.000in./152.4mm	7	456GC-545	6.000in./152.4mm	7
456CFG-5137	6.500in./165.1mm	9	456GC-518E	6.000in./152.4mm	6	456GC-518G	6.000in./152.4mm	6	456GC-545	6.000in./152.4mm	6
456GC-518A	6.000in./152.4mm	5	456GC-518F	6.000in./152.4mm	5	456GC-543	6.000in./152.4mm	5	456GC-545A	6.000in./152.4mm	5
456GC-518A	6.000in./152.4mm	2	456GC-518F	6.000in./152.4mm	2	456GC-543	6.000in./152.4mm	2	456GC-545A	6.000in./152.4mm	2
456GC-518A	6.000in./152.4mm	7	456GC-518F	6.000in./152.4mm	7	456GC-543	6.000in./152.4mm	7	456GC-545A	6.000in./152.4mm	7
456GC-518A	6.000in./152.4mm	6	456GC-518F	6.000in./152.4mm	6	456GC-543	6.000in./152.4mm	6	456GC-545A	6.000in./152.4mm	6
456GC-518E	6.000in./152.4mm	5	456GC-518G	6.000in./152.4mm	5	456GC-545	6.000in./152.4mm	5			
456GC-518E	6.000in./152.4mm	2	456GC-518G	6.000in./152.4mm	2	456GC-545	6.000in./152.4mm	2			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

6 CYL

1	335 CID/5495CC (5.5L) E3-180 (MIDR 06.02.12),MIDR 06.02.12,MIDS 06.02.12 Renault Turbocharged Diesel 6 Cyl					4.016in./102mm x 4.409in./112mm				1
	377 CID/6184CC (6.2L) MIDR 06.02.26 Renault Turbocharged Diesel 6 Cyl					4.016in./102mm x 4.961in./126mm				
Main Bearing Set TM-112 MS-1156P STD 1-2-3-4-5-6-7 MB-691P						2.7560/2.7565	0.0024/0.0047	0.0770	2.9134/2.9141	1.1420
NOTE: 2.756" Crankshaft Journal Diameter,Thru 1990, Requires Thrust Washer Set, Not Included										
Main Bearing Set TM-112 MS-2008P STD 1-2-3-4-5-6-7 MB-3470P						2.9926/2.9933	0.0026/0.0046	0.0770	3.1500/3.1508	1.0980
NOTE: 2.993" Crankshaft Journal Diameter,From 1991, Requires Thrust Washer Set, Not Included										
Main Bearing 74 Lbs.Ft. Plus 60 Degrees										
2	605 CID (9.9L) END-605,ENDM-605 Diesel 6 Cyl					4.625in./117.5mm x 6.000in./152.4mm				2
	707 CID (11.6L) EN-707,EN-707A,EN-707B,EN-707C 6 Cyl					5.000in./127mm x 6.000in./152.4mm				
Rod Bearing(6) TM-112 CB-363P STD,10,C60						2.9970/2.9990	0.0016/0.0041	0.0902	3.1795/3.1800	1.9130
Thrust Washer Set TW-422S STD MB-1373W						4.0625			5.2500	0.0920
NOTE: .250" Or .375" Dowel Pin Holes,4.000" Diameter Main Bearing Journals, Contains 4 Pieces,Contains Stepped Dowel Pins, Crankshaft,Position Number 4										



MACK (Cont.)

MACK (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
2 (Cont.)	605 CID (9.9L) END-605,ENDM-605 Diesel 6 Cyl				4.625in./117.5mm x 6.000in./152.4mm				2 (Cont.)
	707 CID (11.6L) EN-707,EN-707A,EN-707B,EN-707C 6 Cyl				5.000in./127mm x 6.000in./152.4mm				
Cam Thrust Washer Set		SH-566WS	STD						
		SH-566W		2.5000		3.8170		0.1870	
NOTE: Contains Dowel Pins And 2 Thrust Washers 2.500" Inside Diameter									
Aux. Shaft Bearing Set	C-1	SH-563S	STD						
Front		SH-563		2.0610/2.0620	0.0020/0.0060	0.1237	2.3110/2.3120	1.7600	
Rear		SH-564		1.9980/1.9990	0.0020/0.0060	0.1243	2.2490/2.2500	1.7600	
Rod Forging	367GC-468F								
C/S Forging	456GC-543, 456GC-545, 456GC-518A, 456GC-518E, 456GC-518F, 456GC-518G, 456GC-545A								
Connecting Rod	150 Lbs.Ft.								
Main Bearing	150 Lbs.Ft. (5/8" Bolts)								
Main Bearing	200 Lbs.Ft. (11/16" Bolts)								
3	672 CID (11.0L) E6-200,E6-250,E6-260,E6-270,E6-315,E6-350,E6-350R,EC6-235,EC6-300,EC6-300L,EC6-330,EM6-225,EM6-237,EM6-237R,EM6-250,EM6-250L,EM6-275,EM6-275L,EM6-275R,EM6-285,EM6-285R,EM6-300,EM6-300L,EM6-300R,EM6-310,EM6-350,EMC6-250,EMC6-250L,EMC6-285,EMC6-285R,EME6-285,EME6-285R,ENDT676A,ETAY676D,ETZ-675B,ETZ677 Turbocharged Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm				3
	672 CID (11.0L) E6-275,EC6-275,EC6-350,EM6-225L Turbocharged/Aftercooled Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm				
	672 CID (11.0L) EM-250 Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm				
Rod Bearing(6)	TM-112	CB-599P	STD,10,20,30	2.9975/2.9980	0.0016/0.0041	0.0902	3.1795/3.1800	1.6000	
NOTE: 2 Valves Per Cylinder									
Rod Bearing(6)	TM-112	CB-1379P	STD,10,20,30	2.9970/2.9980	0.0013/0.0041	0.0902	3.1797/3.1805	1.6000	
NOTE: 4 Valves Per Cylinder									
Main Bearing Set	TM-112	MS-954P	STD,10,20,30						
1		MB-2520P		3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	1.4700	
2-3-5-6		MB-2045P		3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	1.2550	
4		MB-1373W		4.0625			5.2500	0.0920	
7		MB-2521P		3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	2.0930	
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 4 Position,Contains Stepped Dowel Pins									
Thrust Washer Set		TW-422S	STD						
		MB-1373W		4.0625			5.2500	0.0920	
NOTE: .250" Or .375" Dowel Pin Holes, Contains 4 Pieces,Contains Stepped Dowel Pins, Crankshaft,Position Number 4									
Cam Bearing Set	C-1	SH-676S	STD						
1		SH-560		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850	
2-3-4-5-6-7		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100	
NOTE: Camshaft With 2.440" Diameter Number 7 Bearing Journal,From 4/84,Late Design,Thru 8/87									
Cam Bearing Set	C-1	SH-693S	STD						
1		SH-560		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850	
2-5		SH-693		2.4390/2.4400	0.0020/0.0060	0.0905	2.6230/2.6240	1.0100	
3-4-6		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100	
7		SH-357		2.2510/2.2520	0.0010/0.0030	0.1853	2.6230/2.6240	1.3800	
NOTE: Early Design, Slotted Bearings In Positions 2 And 5									
Cam Bearing Set	C-1	SH-993S	STD						
1		SH-560		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850	
2-3-4-5-6		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100	
7		SH-357		2.2510/2.2520	0.0010/0.0030	0.1853	2.6230/2.6240	1.3800	
NOTE: Camshaft With 2.250" Diameter Number 7 Bearing Journal,Late Design,Thru 4/84									
Cam Bearing Set	C-1	SH-1450S	STD						
1		SH-1450		2.4390/2.4400	0.0012/0.0052	0.0905	2.6230/2.6240	1.3850	
2-3-4-5-6-7		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100	
NOTE: From 8/87									



MACK (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
3 (Cont.)	672 CID (11.0L) E6-200,E6-250,E6-260,E6-270,E6-315,E6-350,E6-350R, EC6-235,EC6-300,EC6-300L,EC6-330,EM6-225,EM6-237,EM6-237R,EM6-250, EM6-250L,EM6-275,EM6-275L,EM6-275R,EM6-285,EM6-285R,EM6-300, EM6-300L,EM6-300R,EM6-310,EM6-350,EMC6-250,EMC6-250L,EMC6-285, EMC6-285R,EME6-285,EME6-285R,ENDT676A,ETAY676D,ETZ-675B,ETZ677 Turbocharged Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm			3 (Cont.)	
	672 CID (11.0L) E6-275,EC6-275,EC6-350,EM6-225L Turbocharged/ Aftercooled Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm				
	672 CID (11.0L) EM-250 Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm				
Cam Thrust Washer Set		SH-566WS	STD						
		SH-566W		2.5000		3.8170		0.1870	
NOTE: Contains Dowel Pins And 2 Thrust Washers 2.500" Inside Diameter, Use With Part Number SH-676S,SH-693S,SH-993S,SH-1450S									
Aux. Shaft Bearing Set		C-1	SH-563S	STD					
Front			SH-563	2.0610/2.0620	0.0020/0.0060	0.1237	2.3110/2.3120	1.7600	
Rear			SH-564	1.9980/1.9990	0.0020/0.0060	0.1243	2.2490/2.2500	1.7600	
Piston Pin Bushing(6)		C-1	223-3488	STD					
NOTE: Engines With 1.625" Piston Pin Diameter, Requires Boring									
Piston Pin Bushing(6)		C-1	223-3544	STD					
NOTE: Engines With 2.000" Pin Diameter, Requires Boring									
Connecting Rod		150 Lbs.Ft.							
Main Bearing		200 Lbs.Ft. (Bearing Cap Numbers 1, 4 And 7)							
Main Bearing		220 Lbs.Ft. (Bearing Cap Numbers 2, 3, 5 And 6. These Caps Use Tie Brackets And Flanged Bolts.)							
4	672 CID (11.0L) E6-315R,ENDT-675,ENDT676,ENDTB-675C,ENDTB-675, ENDTB-676A,ENDTB-676B,ENDTB-676,ETA-676,ETAB-675,ETAB-676B, ETAY676,ETAYB-676,ETAZB-675,ETSX-675,ETSX-676,ETSX-677,ETSZ-676, ETSZ-677,ETSZB-676A,ETSZB-676,ETSZB-677,ETY-675,ETYP-675B, ETYP-675,ETZ-675,ETZB-675B,ETZB675 Turbocharged Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm			4	
	672 CID (11.0L) END-676,END675 Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm				
Rod Bearing(6)		TM-112	CB-599P	STD,10,20,30	2.9975/2.9980	0.0016/0.0041	0.0902	3.1795/3.1800	1.6000
NOTE: 2 Valves Per Cylinder									
Main Bearing Set		TM-112	MS-954P	STD,10,20,30					
1			MB-2520P		3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	1.4700
2-3-5-6			MB-2045P		3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	1.2550
4			MB-1373W		4.0625			5.2500	0.0920
7			MB-2521P		3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	2.0930
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 4 Position,Contains Stepped Dowel Pins									
Thrust Washer Set			TW-422S	STD					
			MB-1373W		4.0625			5.2500	0.0920
NOTE: .250" Or .375" Dowel Pin Holes, Contains 4 Pieces,Contains Stepped Dowel Pins, Crankshaft,Position Number 4									
Cam Bearing Set		C-1	SH-676S	STD					
1			SH-560		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850
2-3-4-5-6-7			SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
NOTE: Camshaft With 2.440" Diameter Number 7 Bearing Journal,From 4/84,Late Design,Thru 8/87									
Cam Bearing Set		C-1	SH-693S	STD					
1			SH-560		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850
2-5			SH-693		2.4390/2.4400	0.0020/0.0060	0.0905	2.6230/2.6240	1.0100
3-4-6			SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
7			SH-357		2.2510/2.2520	0.0010/0.0030	0.1853	2.6230/2.6240	1.3800
NOTE: Early Design, Slotted Bearings In Positions 2 And 5									
Cam Bearing Set		C-1	SH-993S	STD					
1			SH-560		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850
2-3-4-5-6			SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
7			SH-357		2.2510/2.2520	0.0010/0.0030	0.1853	2.6230/2.6240	1.3800
NOTE: Camshaft With 2.250" Diameter Number 7 Bearing Journal,Late Design,Thru 4/84									



MACK (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
4 (Cont.)	672 CID (11.0L) E6-315R,ENDT-675,ENDT676,ENDTB-675C,ENDTB-675, ENDTB-676A,ENDTB-676B,ENDTB-676,ETA-676,ETAB-675,ETAB-676B, ETAY676,ETAYB-676,ETAZB-675,ETXS-675,ETXS-676,ETXS-677,ETSZ-676, ETSZ-677,ETSZB-676A,ETSZB-676,ETSZB-677,ETY-675,ETYP-675B, ETYP-675,ETZ-675,ETZB-675B,ETZB675 Turbocharged Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm			4 (Cont.)
	672 CID (11.0L) END-676,END675 Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm			
Cam Bearing Set 1	C-1	SH-1450S	STD	2.4390/2.4400	0.0012/0.0052	0.0905	2.6230/2.6240	1.3850
2-3-4-5-6-7		SH-1450		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
NOTE: From 8/87,Late Design								
Cam Thrust Washer Set		SH-566WS	STD	2.5000		3.8170		0.1870
SH-566W								
NOTE: Contains Dowel Pins And 2 Thrust Washers 2.500" Inside Diameter, Use With Part Number SH-676S,SH-693S,SH-993S,SH-1450S								
Aux. Shaft Bearing Set	C-1	SH-563S	STD	2.0610/2.0620	0.0020/0.0060	0.1237	2.3110/2.3120	1.7600
Front		SH-563		1.9980/1.9990	0.0020/0.0060	0.1243	2.2490/2.2500	1.7600
Rear		SH-564						
Piston Pin Bushing(6)	C-1	223-3488	STD			0.0405	1.6870/1.6875	1.8540
NOTE: Engines With 1.625" Piston Pin Diameter, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3544	STD			0.0695	2.1250/2.1255	1.6850
NOTE: Engines With 2.000" Pin Diameter, Requires Boring								
Connecting Rod	150 Lbs.Ft.							
Main Bearing	150 Lbs.Ft. (5/8" Bolts)							
Main Bearing	200 Lbs.Ft. (11/16" Bolts)							
Main Bearing	200 Lbs.Ft. (Bearing Cap Numbers 1, 4 And 7)							
Main Bearing	220 Lbs.Ft. (Bearing Cap Numbers 2, 3, 5 And 6. These Caps Use Tie Brackets And Flanged Bolts.)							
5	672 CID (11.0L) EN-672 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm			5
	672 CID (11.0L) END-672,ENDS-672 Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm			
Rod Bearing(6)	TM-112	CB-363P	STD,10,C60	2.9970/2.9990	0.0016/0.0041	0.0902	3.1795/3.1800	1.9130
Thrust Washer Set		TW-422S	STD	4.0625			5.2500	0.0920
		MB-1373W						
NOTE: .250" Or .375" Dowel Pin Holes, Contains 4 Pieces,Contains Stepped Dowel Pins, Crankshaft,Position Number 4								
Cam Thrust Washer Set		SH-566WS	STD	2.5000		3.8170		0.1870
		SH-566W						
NOTE: Contains Dowel Pins And 2 Thrust Washers 2.500" Inside Diameter								
Aux. Shaft Bearing Set	C-1	SH-563S	STD	2.0610/2.0620	0.0020/0.0060	0.1237	2.3110/2.3120	1.7600
Front		SH-563		1.9980/1.9990	0.0020/0.0060	0.1243	2.2490/2.2500	1.7600
Rear		SH-564						
Piston Pin Bushing(6)	C-1	223-3488	STD			0.0405	1.6870/1.6875	1.8540
NOTE: Engines With 1.625" Piston Pin Diameter, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3544	STD			0.0695	2.1250/2.1255	1.6850
NOTE: Engines With 2.000" Pin Diameter, Requires Boring								
Rod Forging	367GC-468F							
C/S Forging	456GC-543, 456GC-545, 456GC-518A, 456GC-518E, 456GC-518F, 456GC-518G, 456GC-545A							
Connecting Rod	150 Lbs.Ft.							
Main Bearing	150 Lbs.Ft. (5/8" Bolts)							
Main Bearing	200 Lbs.Ft. (11/16" Bolts)							

MACK (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
6	672 CID (11.0L) END-673,END-673E (Maxidyne),ENDLT-673A,ENDLT-673B, ENDLT-673C,ENDLT-673,ENDT-673A,ENDT-673B,ENDT-673C,ENDT-673, ENDTB-673C,ENDTBF-673C,ENDTF-673A,ENDTF-673C,ENDTF-673,ET-673, ET673E,ETA-673,ETAB-673A,ETAB-673,ETAY673A,ETAYB-673A,ETAZ-673B, ETAZ-673,ETAZ673A,ETAZB-673A,ETAZB-673C,ETAZB-673,ETB-673, ETB-673E,ETC-673C,ETSZ-673A,ETSZB-673A,ETXB-673D,ETY-673, ETY673E,ETYB-673E,ETZ-673A,ETZ-673B,ETZ-673,ETZ673C,ETZ673E, ETZB-673C,ETZB-673,ETZB-673E Turbocharged Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm			6
	672 CID (11.0L) END-6673P,END-6732PB,END-673C,END-673D,END-673E, END-673PC,END-673PD,END-673P,END-673PR,END-673T,ENDL-673E, ENDL-673P,ENDYF-673C Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm			
	672 CID (11.0L) ETAY-673B Turbocharged/Aftercooled Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm			
Rod Bearing(6)	TM-112	CB-363P	STD,10,C60	2.9970/2.9990	0.0016/0.0041	0.0902	3.1795/3.1800	1.9130
NOTE: Engines With 1.913" Length Connecting Rod Bearings								
Rod Bearing(6)	TM-112	CB-599P	STD,10,20,30	2.9975/2.9980	0.0016/0.0041	0.0902	3.1795/3.1800	1.6000
NOTE: 2 Valves Per Cylinder,Engines With 1.600" Length Connecting Rod Bearings								
Main Bearing Set	TM-112	MS-954P	STD,10,20,30					
1		MB-2520P		3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	1.4700
2-3-5-6		MB-2045P		3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	1.2550
4		MB-1373W		4.0625			5.2500	0.0920
7		MB-2521P		3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	2.0930
NOTE: Engines With 1.255" Length Main Bearings In Positions 2-3-5-6, Contains 4 Piece Thrust Washer Set, Use In Number 4 Position,Contains Stepped Dowel Pins								
Thrust Washer Set		TW-422S	STD					
		MB-1373W		4.0625			5.2500	0.0920
NOTE: .250" Or .375" Dowel Pin Holes, Contains 4 Pieces,Contains Stepped Dowel Pins, Crankshaft,Position Number 4								
Cam Bearing Set	C-1	SH-676S	STD					
1		SH-560		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850
2-3-4-5-6-7		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
NOTE: Camshaft With 2.440" Diameter Number 7 Bearing Journal,From 4/84,Late Design,Thru 8/87								
Cam Bearing Set	C-1	SH-693S	STD					
1		SH-560		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850
2-5		SH-693		2.4390/2.4400	0.0020/0.0060	0.0905	2.6230/2.6240	1.0100
3-4-6		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
7		SH-357		2.2510/2.2520	0.0010/0.0030	0.1853	2.6230/2.6240	1.3800
NOTE: Early Design, Slotted Bearings In Positions 2 And 5								
Cam Bearing Set	C-1	SH-993S	STD					
1		SH-560		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850
2-3-4-5-6		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
7		SH-357		2.2510/2.2520	0.0010/0.0030	0.1853	2.6230/2.6240	1.3800
NOTE: Camshaft With 2.250" Diameter Number 7 Bearing Journal,Late Design,Thru 4/84								
Cam Bearing Set	C-1	SH-1450S	STD					
1		SH-1450		2.4390/2.4400	0.0012/0.0052	0.0905	2.6230/2.6240	1.3850
2-3-4-5-6-7		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
NOTE: From 8/87,Late Design								
Cam Thrust Washer Set		SH-566WS	STD					
		SH-566W		2.5000		3.8170		0.1870
NOTE: Contains Dowel Pins And 2 Thrust Washers 2.500" Inside Diameter, Use With Part Number SH-676S,SH-693S,SH-993S,SH-1450S								
Aux. Shaft Bearing Set	C-1	SH-563S	STD					
Front		SH-563		2.0610/2.0620	0.0020/0.0060	0.1237	2.3110/2.3120	1.7600
Rear		SH-564		1.9980/1.9990	0.0020/0.0060	0.1243	2.2490/2.2500	1.7600
Piston Pin Bushing(6)	C-1	223-3488	STD			0.0405	1.6870/1.6875	1.8540
NOTE: Engines With 1.625" Piston Pin Diameter, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3544	STD			0.0695	2.1250/2.1255	1.6850
NOTE: Engines With 2.000" Pin Diameter, Requires Boring								
Rod Forging	367GC-468F							
C/S Forging	456GC-543, 456GC-545, 456GC-518A, 456GC-518E, 456GC-518F, 456GC-518G, 456GC-545A							



MACK (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
6 (Cont.)	672 CID (11.0L) END-673,END-673E (Maxidyne),ENDLT-673A,ENDLT-673B,ENDLT-673C,ENDLT-673,ENDT-673A,ENDT-673B,ENDT-673C,ENDT-673,ENDTB-673C,ENDTBF-673C,ENDTF-673A,ENDTF-673C,ENDTF-673,ET-673,ET673E,ETA-673,ETAB-673A,ETAB-673,ETAY673A,ETAYB-673A,ETAZ-673B,ETAZ-673,ETAZ673A,ETAZB-673A,ETAZB-673C,ETAZB-673,ETB-673,ETB-673E,ETC-673C,ETSZ-673A,ETSZB-673A,ETXB-673D,ETY-673,ETY673E,ETYB-673E,ETZ-673A,ETZ-673B,ETZ-673,ETZ673C,ETZ673E,ETZB-673C,ETZB-673,ETZB-673E Turbocharged Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm			6 (Cont.)	
	672 CID (11.0L) END-6673P,END-6732PB,END-673C,END-673D,END-673E,END-673PC,END-673PD,END-673P,END-673PR,END-673T,ENDL-673E,ENDL-673P,ENDYF-673C Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm				
	672 CID (11.0L) ETAY-673B Turbocharged/Aftercooled Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm				
	Connecting Rod 150 Lbs.Ft. Main Bearing 150 Lbs.Ft. (5/8" Bolts) Main Bearing 200 Lbs.Ft. (11/16" Bolts)								
7	672 CID (11.0L) END-673A,END-673B,END-673 Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm			7	
Rod Bearing(6)	TM-112	CB-363P	STD,10,C60	2.9970/2.9990	0.0016/0.0041	0.0902	3.1795/3.1800	1.9130	
NOTE: Engines With 1.913" Length Connecting Rod Bearings									
Rod Bearing(6)	TM-112	CB-599P	STD,10,20,30	2.9975/2.9980	0.0016/0.0041	0.0902	3.1795/3.1800	1.6000	
NOTE: 2 Valves Per Cylinder,Engines With 1.600" Length Connecting Rod Bearings									
Main Bearing Set	TM-112	MS-954P	STD,10,20,30	3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	1.4700	
1		MB-2520P							
2-3-5-6		MB-2045P							
4		MB-1373W							
7		MB-2521P							
NOTE: Engines With 1.255" Length Main Bearings In Positions 2-3-5-6, Contains 4 Piece Thrust Washer Set, Use In Number 4 Position,Contains Stepped Dowel Pins									
Thrust Washer Set		TW-422S	STD	4.0625			5.2500	0.0920	
		MB-1373W							
NOTE: .250" Or .375" Dowel Pin Holes, Contains 4 Pieces,Contains Stepped Dowel Pins, Crankshaft,Position Number 4									
Cam Bearing Set	C-1	SH-676S	STD	2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850	
1		SH-560							
2-3-4-5-6-7		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100	
NOTE: Camshaft With 2.440" Diameter Number 7 Bearing Journal,From 4/84,Late Design,Thru 8/87									
Cam Bearing Set	C-1	SH-693S	STD	2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850	
1		SH-560							
2-5		SH-693							
3-4-6		SH-676							
7		SH-357							
Cam Bearing Set	C-1	SH-1450S	STD	2.4390/2.4400	0.0012/0.0052	0.0905	2.6230/2.6240	1.3850	
1		SH-1450							
2-3-4-5-6-7		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100	
NOTE: From 8/87,Late Design									
Cam Thrust Washer Set		SH-566WS	STD	2.5000		3.8170		0.1870	
		SH-566W							
NOTE: Contains Dowel Pins And 2 Thrust Washers 2.500" Inside Diameter, Use With Part Number SH-693S									
Aux. Shaft Bearing Set	C-1	SH-563S	STD	2.0610/2.0620	0.0020/0.0060	0.1237	2.3110/2.3120	1.7600	
Front		SH-563							
Rear		SH-564							
Piston Pin Bushing(6)	C-1	223-3488	STD			0.0405	1.6870/1.6875	1.8540	
NOTE: Engines With 1.625" Piston Pin Diameter, Requires Boring									
Piston Pin Bushing(6)	C-1	223-3544	STD			0.0695	2.1250/2.1255	1.6850	
NOTE: Engines With 2.000" Pin Diameter, Requires Boring									
Connecting Rod	150 Lbs.Ft.								
Main Bearing	150 Lbs.Ft. (5/8" Bolts)								
Main Bearing	200 Lbs.Ft. (11/16" Bolts)								



MACK (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
8	707 CID (11.6L) END-707,END-711A,END-711B,END-711C,END-711, ENDDL-711,ENDL-707,ENDL711 Diesel 6 Cyl 707 CID (11.6L) ENDLT-711 Turbocharged Diesel 6 Cyl 707 CID (11.6L) ENF-707A,ENF-707C 6 Cyl				5.000in./127mm x 6.000in./152.4mm 5.000in./127mm x 6.000in./152.4mm 5.000in./127mm x 6.000in./152.4mm			8
Rod Bearing(6)	TM-112	CB-599P	STD,10,20,30	2.9975/2.9980	0.0016/0.0041	0.0902	3.1795/3.1800	1.6000
NOTE: 2 Valves Per Cylinder								
Main Bearing Set	TM-112	MS-954P	STD,10,20,30					
1		MB-2520P		3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	1.4700
2-3-5-6		MB-2045P		3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	1.2550
4		MB-1373W		4.0625			5.2500	0.0920
7		MB-2521P		3.9980/3.9990	0.0023/0.0053	0.1250	4.2510/4.2520	2.0930
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 4 Position,Contains Stepped Dowel Pins								
Thrust Washer Set		TW-422S	STD					
		MB-1373W		4.0625			5.2500	0.0920
NOTE: .250" Or .375" Dowel Pin Holes, Contains 4 Pieces,Contains Stepped Dowel Pins, Crankshaft,Position Number 4								
Cam Bearing Set	C-1	SH-676S	STD					
1		SH-560		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850
2-3-4-5-6-7		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
NOTE: Camshaft With 2.440" Diameter Number 7 Bearing Journal,From 4/84,Late Design,Thru 8/87								
Cam Bearing Set	C-1	SH-693S	STD					
1		SH-560		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850
2-5		SH-693		2.4390/2.4400	0.0020/0.0060	0.0905	2.6230/2.6240	1.0100
3-4-6		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
7		SH-357		2.2510/2.2520	0.0010/0.0030	0.1853	2.6230/2.6240	1.3800
NOTE: Early Design, Slotted Bearings In Positions 2 And 5								
Cam Bearing Set	C-1	SH-993S	STD					
1		SH-560		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850
2-3-4-5-6		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
7		SH-357		2.2510/2.2520	0.0010/0.0030	0.1853	2.6230/2.6240	1.3800
NOTE: Camshaft With 2.250" Diameter Number 7 Bearing Journal,Late Design,Thru 4/84								
Cam Bearing Set	C-1	SH-1450S	STD					
1		SH-1450		2.4390/2.4400	0.0012/0.0052	0.0905	2.6230/2.6240	1.3850
2-3-4-5-6-7		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100
NOTE: From 8/87								
Cam Thrust Washer Set		SH-566WS	STD					
		SH-566W		2.5000		3.8170		0.1870
NOTE: Contains Dowel Pins And 2 Thrust Washers 2.500" Inside Diameter, Use With Part Number SH-676S,SH-693S,SH-993S,SH-1450S								
Aux. Shaft Bearing Set	C-1	SH-563S	STD					
Front		SH-563		2.0610/2.0620	0.0020/0.0060	0.1237	2.3110/2.3120	1.7600
Rear		SH-564		1.9980/1.9990	0.0020/0.0060	0.1243	2.2490/2.2500	1.7600
Connecting Rod 150 Lbs.Ft. Main Bearing 150 Lbs.Ft. (5/8" Bolts) Main Bearing 200 Lbs.Ft. (11/16" Bolts)								
9	728 CID (11.9L) E7-350,E7-400 Turbocharged/Aftercooled Diesel 6 Cyl 728 CID (11.9L) E7 Diesel 6 Cyl				4.875in./123.8mm x 6.500in./165.1mm 4.875in./123.8mm x 6.500in./165.1mm			9
Rod Bearing(6)	TM-112	CB-1598P	STD,10,20	3.2470/3.2480	0.0014/0.0044	0.0892	3.4290/3.4310	1.6000
Main Bearing Set		MS-1982P	STD,10,20					
1		MB-3410P		4.4964/4.4974	0.0015/0.0045	0.1592	4.8170/4.8180	1.2550
2-3-5-6		MB-3411P		4.4964/4.4974	0.0022/0.0056	0.1587	4.8170/4.8190	1.2550
4		MB-3412P		4.4964/4.4974	0.0022/0.0056	0.1587	4.8170/4.8190	1.8800
7		MB-3413P		4.4964/4.4974	0.0022/0.0056	0.1587	4.8170/4.8190	1.8800
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 4 Position								
Thrust Washer Set		TW-582S	STD					
		MB-3412W(L)		4.8770			5.8550	0.1400
		MB-3412W(U)		4.8770			5.8550	0.1400
NOTE: Contains 4 Pieces, Position Number 4								
C/S Forging 456CFG-5128, 456CFG-5137								



MACK (Cont.)

MACK (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
9 (Cont.)	728 CID (11.9L) E7-350,E7-400 Turbocharged/Aftercooled Diesel 6 Cyl				4.875in./123.8mm x 6.500in./165.1mm			9 (Cont.)
	728 CID (11.9L) E7 Diesel 6 Cyl				4.875in./123.8mm x 6.500in./165.1mm			
Connecting Rod	130 Lbs.Ft. (14mm Bolts With Sleeves)							
Connecting Rod	148 To 152 Lbs.Ft. (16mm Bolts)							
Main Bearing	200 To 220 Lbs.Ft. (728 CID (11.9L) E7-350,728 CID (11.9L) E7)							
Main Bearing	85 To 95 Lbs.Ft. (Side Bolts)							
8 CYL								
10	866 CID (14.2L) END865,END866 Diesel 8 Cyl				5.250in./133.4mm x 5.000in./127mm			10
	866 CID (14.2L) ENDT865,ENDT866 Turbocharged Diesel 8 Cyl				5.250in./133.4mm x 5.000in./127mm			
Rod Bearing(8)	TM-112	CB-987P	STD,10	3.7470/3.7480	0.0021/0.0051	0.1262	4.0020/4.0030	1.5160
Connecting Rod	150 Lbs.Ft. (Except Rod Number 367GCA3178A)							
Connecting Rod	170 To 180 Lbs.Ft. (Rod Number 367GCA3178A)							
11	866 CID (14.2L) ENDDT-865,ENDDT-866,ENDTB-865,ENDTB-866 Turbocharged Diesel V8 Cyl				5.250in./133.4mm x 5.000in./127mm			11
Rod Bearing(8)	TM-112	CB-987P	STD,10	3.7470/3.7480	0.0021/0.0051	0.1262	4.0020/4.0030	1.5160
Connecting Rod	150 Lbs.Ft. (Except Rod Number 367GCA3178A)							
Connecting Rod	170 To 180 Lbs.Ft. (Rod Number 367GCA3178A)							

MASSEY FERGUSON

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
2 CYL			4 CYL (Cont.)		
TFD Wisconsin 54 CID (0.9L)	3.250in./82.6mmX3.250in./82.6mm	1	EB242 Continental 242 CID (4.0L) LPG	3.813in./96.9mmX5.125in./130.2mm	17
THD Wisconsin 54 CID (0.9L)	3.250in./82.6mmX3.250in./82.6mm	1	ED208 Continental 208 CID (3.4L) Diesel	3.687in./93.7mmX4.875in./123.8mm	17
3 CYL			F124 Continental 124 CID (2.0L)	3.000in./76.2mmX4.375in./111.1mm	11
3-71 Detroit Diesel 213 CID (3.5L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	4	F140 Continental 140 CID (2.3L)	3.188in./80.98mmX4.375in./111.1mm	11
3-135 Perkins 135 CID (2.2L) Diesel	3.600in./91.4mmX5.000in./127mm	2	F162 Continental 162 CID (2.7L)	3.438in./87.33mmX4.375in./111.1mm	11
3-152 Perkins 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm	3	F4124 Continental 124 CID (2.0L)	3.000in./76.2mmX4.375in./111.1mm	11
A3-152 Perkins 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm	3	F4140 Continental 140 CID (2.3L)	3.188in./80.98mmX4.375in./111.1mm	11
AD3-152 Perkins 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm	3	G176 Continental 176 CID (2.9L)	3.578in./90.8mmX4.375in./111.1mm	14
AG3-152 Perkins 152 CID (2.5L)	3.600in./91.4mmX5.000in./127mm	3	G193 Continental 193 CID (3.2L)	3.750in./95.3mmX4.375in./111.1mm	16
D3-152 Perkins 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm	3	GF193 Continental 193 CID (3.2L)	3.750in./95.3mmX4.375in./111.1mm	16
P3-144 Perkins 144 CID (2.4L) Diesel	3.504in./89mmX5.000in./127mm	3	H260 Continental 260 CID (4.3L)	3.875in./98.4mmX5.500in./139.7mm	20
4 CYL			H277 Continental 277 CID (4.5L)	4.000in./101.6mmX5.500in./139.7mm	20
4-192 Perkins 192 CID (3.1L) Diesel	3.504in./89mmX5.000in./127mm	15	HD260 Continental 260 CID (4.3L) Diesel	3.875in./98.4mmX5.500in./139.7mm	21
4-203 Perkins 203 CID (3.3L) Diesel	3.583in./91mmX5.000in./127mm	15	HD277 Continental 277 CID (4.5L) Diesel	4.000in./101.6mmX5.500in./139.7mm	21
4-236 Perkins 236 CID (3.9L) Diesel	3.875in./98.4mmX5.000in./127mm	18	N62 Continental 62 CID (1.0L)	2.375in./60.3mmX3.500in./88.9mm	5
4-248 Perkins 248 CID (4.1L) Diesel	3.976in./101mmX5.000in./127mm	19	P4 Perkins 192 CID (3.1L) Diesel	3.504in./89mmX5.000in./127mm	15
4-300 Perkins 301 CID (4.9L) Diesel	4.488in./114mmX4.764in./121mm	22	VF4 Wisconsin 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	8
4.318 Perkins 318 CID/5215CC (5.2L) Diesel	4.500in./114.3mmX5.000in./127mm	23	VH4D Wisconsin 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	9
A4-107 Perkins 107 CID (1.8L) Diesel	3.125in./79.4mmX3.465in./88mm	7	Y91 Continental 91 CID (1.5L)	2.875in./73mmX3.500in./88.9mm	6
A4-203 Perkins 203 CID (3.3L) Diesel	3.583in./91mmX5.000in./127mm	15	Z120 Continental 120 CID (2.0L)	3.188in./80.98mmX3.750in./95.3mm	10
A4-236 Perkins 236 CID (3.9L) Diesel	3.858in./98mmX5.000in./127mm	18	Z129 Continental 129 CID (2.1L)	3.250in./82.6mmX3.875in./98.4mm	10
A4-248 Perkins 248 CID (4.1L) Diesel	3.976in./101mmX5.000in./127mm	19	Z134 Continental 134 CID (2.2L)	3.313in./84.1mmX3.875in./98.4mm	12
A4.318 Perkins 318 CID/5215CC (5.2L) Diesel	4.500in./114.3mmX5.000in./127mm	23	Z145 Continental 145 CID (2.4L)	3.375in./85.7mmX4.063in./103.2mm	13
6 CYL			6 CYL		
AD4-203 Perkins 203 CID (3.3L) Diesel	3.583in./91mmX5.000in./127mm	15	5/5A/6/6A/30/31 Chrysler 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	25
AG4-212 Perkins 212 CID (3.5L) Diesel	3.661in./93mmX5.000in./127mm	18	6-354 Perkins 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	33
E201 Continental 201 CID (3.3L)	3.625in./92.1mmX4.875in./123.8mm	17	6-354.4 Perkins 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	34
E208 Continental 208 CID (3.4L) Flex	3.687in./93.7mmX4.875in./123.8mm	17	6.305 Perkins 305 CID (5.0L) Diesel	3.600in./91.4mmX5.000in./127mm	30
E223 Continental 223 CID (3.7L)	3.813in./96.9mmX4.875in./123.8mm	17	504 Minneapolis Moline 504 CID (8.3L) LPG	4.625in./117.5mmX5.000in./127mm	37
E223 Continental 223 CID (3.7L) LPG	3.813in./96.9mmX4.875in./123.8mm	17	Chrysler 265 CID (4.3L)	3.438in./87.33mmX4.750in./120.7mm	28
E242 Continental 242 CID (4.0L) Flex	3.813in./96.9mmX5.125in./130.2mm	17	General Motors 292 CID (4.8L)	3.875in./98.4mmX4.125in./104.8mm	32
E400 Continental 208 CID (3.4L)	3.687in./93.7mmX4.875in./123.8mm	17	A6-354 Perkins 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	33
EB223 Continental 223 CID (3.7L)	3.875in./98.4mmX4.875in./123.8mm	17	AD6.305 Perkins 305 CID (5.0L) Diesel	3.600in./91.4mmX5.000in./127mm	30
EB223 Continental 223 CID (3.7L) LPG	3.875in./98.4mmX4.875in./123.8mm	17			
EB242 Continental 242 CID (4.0L)	3.813in./96.9mmX5.125in./130.2mm	17			



MASSEY FERGUSON (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
AT6-354 Perkins 354 CID (5.8L) Diesel Turbocharged	3.877in./98.5mmX5.000in./127mm	35	JXLD Hercules 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	29
AT6-354.4 Perkins 354 CID (5.8L) Diesel Turbocharged	3.877in./98.5mmX5.000in./127mm	36	L-Head Dodge 230 CID (3.8L)	3.250in./82.6mmX4.625in./117.5mm	25
F226 Continental 226 CID (3.7L) Flex	3.313in./84.1mmX4.375in./111.1mm	26	M290 Continental 290 CID (4.8L)	3.750in./95.3mmX4.625in./117.5mm	31
F227 Continental 227 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	27	M330 Continental 330 CID (5.4L)	4.000in./101.6mmX4.375in./111.1mm	31
F6244 Continental 244 CID (4.0L)	3.438in./87.3mmX4.375in./111.1mm	26	M6330 Continental 330 CID (5.4L)	4.000in./101.6mmX4.375in./111.1mm	31
H170/HB170/HC170 Chrysler 170 CID (2.8L)	3.400in./86.4mmX3.125in./79.4mm	24	P6 Perkins 288 CID (4.7L) Diesel	3.504in./89mmX5.000in./127mm	30
H225 Chrysler 225 CID (3.7L)	3.400in./86.4mmX4.125in./104.8mm	24	8 CYL		
HD504A Minneapolis Moline 504 CID (8.3L) Diesel	4.625in./117.5mmX5.000in./127mm	37	8V-71 Detroit Diesel 568 CID (9.3L) Diesel	4.250in./108mmX5.000in./127mm	39
Ind 7 Chrysler 237 CID (3.9L)	3.438in./87.3mmX4.250in./108mm	28	3150 Caterpillar 573 CID (9.4L) Diesel	4.500in./114.3mmX4.500in./114.3mm	40
Ind 8 Chrysler 251 CID (4.1L)	3.438in./87.3mmX4.500in./114.3mm	28	3160 Caterpillar 636 CID (10.4L) Diesel	4.500in./114.3mmX5.000in./127mm	41
Ind 30 Chrysler 230 CID (3.8L)	3.250in./82.6mmX4.625in./117.5mm	25	3208 Caterpillar 636 CID (10.4L) Diesel	4.500in./114.3mmX5.000in./127mm	42
Ind 32 Chrysler 265 CID (4.3L)	3.438in./87.3mmX4.750in./120.7mm	28	Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	38
Ind 33 Chrysler 265 CID (4.3L)	3.438in./87.3mmX4.750in./120.7mm	28	V903 Cummins 903 CID (14.8L) Diesel	5.500in./139.7mmX4.750in./120.7mm	43
JXC Hercules 282 CID (4.6L)	3.750in./95.3mmX4.250in./108mm	29	VT903 Cummins 903 CID (14.8L) Diesel Turbocharged	5.500in./139.7mmX4.750in./120.7mm	43

MODEL DATA

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
14 Base Model	Combine	282 CID (4.6L) JXC Hercules	29	33 RT	Wheel Tractor	140 CID (2.3L) F140 Continental	11
15 Base Model	Combine	162 CID (2.7L) F162 Continental	11	33 Base Model	Wheel Tractor	208 CID (3.4L) E400 Continental	17
17 Base Model	Combine	162 CID (2.7L) F162 Continental	11	35 SP	Combine	140 CID (2.3L) F140 Continental	11
20 K	Wheel Tractor	124 CID (2.0L) F4124 Continental	11	35 X	Combine	152 CID (2.5L) A3-152 Perkins Diesel	3
20 K	Wheel Tractor	140 CID (2.3L) F4140 Continental	11	38 SH	Combine	282 CID (4.6L) JXC Hercules	29
20 SP	Combine	237 CID (3.9L) Ind 7 Chrysler	28	44 -6	Wheel Tractor	226 CID (3.7L) F226 Continental	26
20 SP	Combine	251 CID (4.1L) Ind 8 Chrysler	28	44 -4	Wheel Tractor	260 CID (4.3L) HD260 Continental Diesel	21
20 Base Model	Combine	265 CID (4.3L) Ind 32 Chrysler	28	44 -4	Wheel Tractor	277 CID (4.5L) H277 Continental	20
20 Forage Clipper Base Model	Combine	226 CID (3.7L) F226 Continental	26	50 Clipper	Combine	108 CID (1.8L) VF4 Wisconsin	8
21 Standard	Wheel Tractor	124 CID (2.0L) F124 Continental	11	50 Series	Wheel Tractor	134 CID (2.2L) Z134 Continental	12
21 HA	Wheel Tractor	140 CID (2.3L) F140 Continental	11	60 PT	Combine	108 CID (1.8L) VF4 Wisconsin	8
21 Base Model	Combine	230 CID (3.8L) Ind 30 Chrysler	25	60 Series	Combine	140 CID (2.3L) F140 Continental	11
22 RT	Wheel Tractor	124 CID (2.0L) F4124 Continental	11	60 SP	Combine	230 CID (3.8L) Ind 30 Chrysler	25
22 RT	Wheel Tractor	140 CID (2.3L) F4140 Continental	11	70 SP	Combine	230 CID (3.8L) Ind 30 Chrysler	25
23 Base Model	Wheel Tractor	124 CID (2.0L) F4124 Continental	11	80 Rice	Combine	230 CID (3.8L) Ind 30 Chrysler	25
23 Base Model	Wheel Tractor	140 CID (2.3L) F4140 Continental	11	81 Base Model	Wheel Tractor	124 CID (2.0L) F4124 Continental	11
26 Rice	Wheel Tractor	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler	25	81 Base Model	Wheel Tractor	140 CID (2.3L) F4140 Continental	11
26 SP	Combine	230 CID (3.8L) Ind 30 Chrysler	25	82 S	Wheel Tractor	124 CID (2.0L) F4124 Continental	11
27 Rice	Wheel Tractor	237 CID (3.9L) Ind 7 Chrysler	28	82 S	Wheel Tractor	140 CID (2.3L) F4140 Continental	11
27 SP	Combine	251 CID (4.1L) Ind 8 Chrysler	28	82 Rice	Combine	230 CID (3.8L) Ind 30 Chrysler	25
27 Base Model	Combine	265 CID (4.3L) Ind 33 Chrysler	28	90 SP	Combine	203 CID (3.3L) 4-203 Perkins Diesel	15
30 Standard	Wheel Tractor	162 CID (2.7L) F162 Continental	11	90 SP Rice	Combine	251 CID (4.1L) Ind 8 Chrysler	28
30 SH	Combine	282 CID (4.6L) JXC Hercules	29	90WR2 Base Model	Wheel Tractor	242 CID (4.0L) E242 Continental	17



MASSEY FERGUSON (Cont.)
MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
92 SP Rice	Combine	251 CID (4.1L) Ind 8 Chrysler	28	3545 Base Model	Agriculture	354 CID (5.8L) AT6-354.4 Perkins Diesel	36
92 Super Rice	Combine	265 CID (4.3L) Ind 33 Chrysler	28	Base Model	Engine	330 CID (5.4L) M330 Continental	31
96 Series	Wheel Tractor	504 CID (8.3L) HD504A Minneapolis Moline Diesel	37	Base Model	Agriculture	192 CID (3.1L) P4 Perkins Diesel	15
101 JR	Wheel Tractor	124 CID (2.0L) F4124 Continental	11	Base Model	Agriculture	201 CID (3.3L) E201 Continental	17
101 JR	Wheel Tractor	140 CID (2.3L) F4140 Continental	11	Base Model	Agriculture	227 CID (3.7L) F227 Continental	27
101 JR	Wheel Tractor	162 CID (2.7L) F162 Continental	11	Base Model	Agriculture	305 CID (5.0L) AD6.305 Perkins Diesel	30
101 SR	Wheel Tractor	226 CID (3.7L) F226 Continental	26	Base Model	Engine	135 CID (2.2L) 3-135 Perkins Diesel	2
101 SR	Wheel Tractor	230 CID (3.8L) Ind 30 Chrysler	25	Base Model	Engine	354 CID (5.8L) 6-354.4 Perkins Diesel	34
102 G	Wheel Tractor	124 CID (2.0L) F124 Continental	11	Clipper Base Model	Combine	162 CID (2.7L) F162 Continental	11
102 G	Wheel Tractor	140 CID (2.3L) F140 Continental	11	Clipper No.2	Combine	226 CID (3.7L) F226 Continental	26
102 JR	Wheel Tractor	162 CID (2.7L) F162 Continental	11	Colt Row Crop	Wheel Tractor	124 CID (2.0L) F124 Continental	11
102 S	Wheel Tractor	230 CID (3.8L) L-Head Dodge	25	F12 Base Model	Baler	54 CID (0.9L) THD Wisconsin	1
102 SR	Wheel Tractor	244 CID (4.0L) F6244 Continental	26	F40 Ferguson Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	12
135 Base Model	Combine	152 CID (2.5L) AD3-152 Perkins Diesel	3	HA33 Base Model	Wheel Tractor	124 CID (2.0L) F124 Continental	11
201 Base Model	Wheel Tractor	225 CID (3.7L) H225 Chrysler	24	HA33 Base Model	Wheel Tractor	140 CID (2.3L) F140 Continental	11
202 Base Model	Wheel Tractor	290 CID (4.8L) M290 Continental	31	MF11 Base Model	Loader	248 CID (4.1L) 4-248 Perkins Diesel	19
203 MK.2	Combine	152 CID (2.5L) AD3-152 Perkins Diesel	3	MF20 C	Wheel Tractor	145 CID (2.4L) Z145 Continental	13
203 G	Wheel Tractor	330 CID (5.4L) M6330 Continental	31	MF20 C	Wheel Tractor	152 CID (2.5L) D3-152 Perkins Diesel	3
300 Base Model	Combine	203 CID (3.3L) AD4-203 Perkins Diesel	15	MF25 D	Wheel Tractor	107 CID (1.8L) A4-107 Perkins Diesel	7
300 Rice	Combine	225 CID (3.7L) H225 Chrysler	24	MF30 Base Model	Wheel Tractor	203 CID (3.3L) 4-203 Perkins Diesel	15
303 Series	Wheel Tractor	208 CID (3.4L) E208 Continental	17	MF30 Ind Base Model	Wheel Tractor	203 CID (3.3L) AD4-203 Perkins Diesel	15
333 Row Crop	Wheel Tractor	208 CID (3.4L) ED208 Continental Diesel	17	MF30 Turf Base Model	Wheel Tractor	203 CID (3.3L) AD4-203 Perkins Diesel	15
402 Base Model	Wheel Tractor	208 CID (3.4L) E208 Continental	17	MF30B Base Model	Wheel Tractor	145 CID (2.4L) Z145 Continental	13
404 Series	Wheel Tractor	277 CID (4.5L) HD277 Continental Diesel	21	MF30B Base Model	Wheel Tractor	152 CID (2.5L) AD3-152 Perkins Diesel	3
406 Series	Wheel Tractor	208 CID (3.4L) E208 Continental	17	MF31 Ind Base Model	Wheel Tractor	236 CID (3.9L) A4-236 Perkins Diesel	18
410 SP Rice	Combine	292 CID (4.8L) General Motors	32	MF33 Base Model	Loader	248 CID (4.1L) 4-248 Perkins Diesel	19
444 Row Crop	Wheel Tractor	260 CID (4.3L) HD260 Continental Diesel	21	MF34 Base Model	Windrower	140 CID (2.3L) F140 Continental	11
444 K	Wheel Tractor	277 CID (4.5L) H277 Continental	20	MF35 Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	12
510 Series	Wheel Tractor	327 CID (5.4L) Chevrolet	38	MF35 Base Model	Wheel Tractor	152 CID (2.5L) A3-152 Perkins Diesel	3
540 Base Model	Wheel Tractor	318 CID/5215CC (5.2L) A4.318 Perkins Diesel	23	MF40 Ind.	Wheel Tractor	152 CID (2.5L) AG3-152 Perkins	3
550 Rice	Combine	354 CID (5.8L) A6-354 Perkins Diesel	33	MF40 B	Wheel Tractor	203 CID (3.3L) AD4-203 Perkins Diesel	15
655 Base Model	Windrower	225 CID (3.7L) H225 Chrysler	24	MF44 Base Model	Windrower	140 CID (2.3L) F140 Continental	11
711 B	Wheel Tractor	108 CID (1.8L) VH4D Wisconsin	9	MF50 Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	12
760 Base Model	Combine	354 CID (5.8L) AT6-354 Perkins Diesel	35	MF50 Base Model	Wheel Tractor	152 CID (2.5L) A3-152 Perkins Diesel	3
765 Series	Wheel Tractor	192 CID (3.1L) 4-192 Perkins Diesel	15	MF50 Base Model	Wheel Tractor	193 CID (3.2L) G193 Continental	16
1001 Series	Wheel Tractor	208 CID (3.4L) E208 Continental	17				



MASSEY FERGUSON (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
MF50 Base Model	Wheel Tractor	203 CID (3.3L) AD4-203 Perkins Diesel	15	MF200 Base Model	Loader	152 CID (2.5L) 3-152 Perkins Diesel	3
MF50 Base Model	Wheel Tractor	288 CID (4.7L) P6 Perkins Diesel	30	MF202 Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	12
MF50A Base Model	Wheel Tractor	203 CID (3.3L) AD4-203 Perkins Diesel	15	MF203 Base Model	Wheel Tractor	144 CID (2.4L) P3-144 Perkins Diesel	3
MF50C Base Model	Wheel Tractor	236 CID (3.9L) 4-236 Perkins Diesel	18	MF203 D	Wheel Tractor	152 CID (2.5L) AD3-152 Perkins Diesel	3
MF65 Base Model	Wheel Tractor	176 CID (2.9L) G176 Continental	14	MF204 Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	12
MF65 Base Model	Wheel Tractor	203 CID (3.3L) A4-203 Perkins Diesel	15	MF205 MK.2	Combine	152 CID (2.5L) AD3-152 Perkins Diesel	3
MF70 D	Wheel Tractor	318 CID/5215CC (5.2L) A4.318 Perkins Diesel	23	MF205 Base Model	Combine	170 CID (2.8L) H170/HB170/HC170 Chrysler	24
MF72 SP	Combine	230 CID (3.8L) Ind 30 Chrysler	25	MF220 Base Model	Skidder	248 CID (4.1L) 4-248 Perkins Diesel	19
MF80 Base Model	Wheel Tractor	354 CID (5.8L) A6-354 Perkins Diesel	33	MF230 G	Wheel Tractor	145 CID (2.4L) Z145 Continental	13
MF85 Base Model	Wheel Tractor	223 CID (3.7L) EB223 Continental	17	MF230 D	Wheel Tractor	152 CID (2.5L) AD3-152 Perkins Diesel	3
MF85 Base Model	Wheel Tractor	242 CID (4.0L) EB242 Continental	17	MF235 G	Wheel Tractor	145 CID (2.4L) Z145 Continental	13
MF85 Base Model	Wheel Tractor	277 CID (4.5L) HD277 Continental Diesel	21	MF235 Orchard	Wheel Tractor	152 CID (2.5L) AG3-152 Perkins	3
MF88 Base Model	Wheel Tractor	223 CID (3.7L) EB223 Continental	17	MF245 G	Wheel Tractor	145 CID (2.4L) Z145 Continental	13
MF88 Base Model	Wheel Tractor	242 CID (4.0L) EB242 Continental	17	MF245 Orchard	Wheel Tractor	152 CID (2.5L) AD3-152 Perkins Diesel	3
MF88 Base Model	Wheel Tractor	277 CID (4.5L) HD277 Continental Diesel	21	MF255 Base Model	Wheel Tractor	203 CID (3.3L) 4-203 Perkins Diesel	15
MF88 Base Model	Loader	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	39	MF255 Low Profile	Wheel Tractor	236 CID (3.9L) A4-236 Perkins Diesel	18
MF92 D	Wheel Tractor	305 CID (5.0L) AD6.305 Perkins Diesel	30	MF265 Low Profile	Wheel Tractor	236 CID (3.9L) A4-236 Perkins Diesel	18
MF95 Base Model	Wheel Tractor	504 CID (8.3L) HD504A Minneapolis Moline Diesel	37	MF275 Low Profile	Wheel Tractor	248 CID (4.1L) A4-248 Perkins Diesel	19
MF97 Base Model	Wheel Tractor	504 CID (8.3L) 504 Minneapolis Moline	37	MF285D Base Model	Wheel Tractor	318 CID/5215CC (5.2L) 4.318 Perkins Diesel	23
MF98 Base Model	Wheel Tractor	213 CID (3.5L) 3-71 Detroit Diesel Diesel	4	MF300 Rice	Combine	203 CID (3.3L) AD4-203 Perkins Diesel	15
MF130 D	Wheel Tractor	107 CID (1.8L) A4-107 Perkins Diesel	7	MF300 Rice	Wheel Tractor	225 CID (3.7L) H225 Chrysler	24
MF135 Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	12	MF300 Base Model	Crawler	248 CID (4.1L) A4-248 Perkins Diesel	19
MF135 Base Model	Wheel Tractor	145 CID (2.4L) Z145 Continental	13	MF302 Base Model	Wheel Tractor	193 CID (3.2L) GF193 Continental	16
MF135 Base Model	Wheel Tractor	152 CID (2.5L) AG3-152 Perkins	3	MF302 Base Model	Wheel Tractor	203 CID (3.3L) AD4-203 Perkins Diesel	15
MF135 Base Model	Wheel Tractor	176 CID (2.9L) G176 Continental	14	MF304 Base Model	Wheel Tractor	193 CID (3.2L) GF193 Continental	16
MF135D Base Model	Wheel Tractor	152 CID (2.5L) AD3-152 Perkins Diesel	3	MF304 Base Model	Wheel Tractor	203 CID (3.3L) AD4-203 Perkins Diesel	15
MF135G Base Model	Wheel Tractor	152 CID (2.5L) AG3-152 Perkins	3	MF305 Base Model	Wheel Tractor	193 CID (3.2L) G193 Continental	16
MF150 Base Model	Wheel Tractor	145 CID (2.4L) Z145 Continental	13	MF305 Base Model	Wheel Tractor	203 CID (3.3L) A4-203 Perkins Diesel	15
MF150 Base Model	Wheel Tractor	152 CID (2.5L) AG3-152 Perkins	3	MF356 Base Model	Loader	193 CID (3.2L) GF193 Continental	16
MF150 Base Model	Wheel Tractor	176 CID (2.9L) G176 Continental	14	MF356 Base Model	Loader	203 CID (3.3L) 4-203 Perkins Diesel	15
MF165 G	Wheel Tractor	176 CID (2.9L) G176 Continental	14	MF399 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354.4 Perkins Diesel	36
MF165 Base Model	Wheel Tractor	203 CID (3.3L) AD4-203 Perkins Diesel	15	MF410 Rice	Combine	292 CID (4.8L) General Motors	32
MF165 Base Model	Wheel Tractor	212 CID (3.5L) AG4-212 Perkins Diesel	18	MF470 Base Model	Loader	226 CID (3.7L) F226 Continental	26
MF175 D	Wheel Tractor	236 CID (3.9L) A4-236 Perkins Diesel	18	MF510 Rice	Combine	327 CID (5.4L) Chevrolet	38
MF178 Base Model	Wheel Tractor	248 CID (4.1L) 4-248 Perkins Diesel	19	MF510 Rice	Combine	354 CID (5.8L) A6-354 Perkins Diesel	33
MF180 -4	Wheel Tractor	236 CID (3.9L) A4-236 Perkins Diesel	18	MF550 Rice	Combine	354 CID (5.8L) A6-354 Perkins Diesel	33



MASSEY FERGUSON (Cont.)
MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
MF699 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354.4 Perkins Diesel	36	MF3630 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354.4 Perkins Diesel	36
MF711 Base Model	Loader	108 CID (1.8L) VH4D Wisconsin	9	MF3650 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354.4 Perkins Diesel	36
MF750 Base Model	Combine	354 CID (5.8L) AT6-354.4 Perkins Diesel	36	MF4800 Base Model	Wheel Tractor	903 CID (14.8L) V903 Cummins Diesel	43
MF760 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	33	MF4840 Base Model	Wheel Tractor	903 CID (14.8L) VT903 Cummins Diesel	43
MF775 Base Model	Windrower	225 CID (3.7L) H225 Chrysler	24	MF4880 Base Model	Wheel Tractor	903 CID (14.8L) VT903 Cummins Diesel	43
MF1080 D	Wheel Tractor	318 CID/5215CC (5.2L) A4.318 Perkins Diesel	23	MF Super Base Model	Wheel Tractor	305 CID (5.0L) 6.305 Perkins Diesel	30
MF1085 D	Wheel Tractor	318 CID/5215CC (5.2L) A4.318 Perkins Diesel	23	MF Super 90 Base Model	Wheel Tractor	242 CID (4.0L) EB242 Continental	17
MF1100 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354 Perkins Diesel	35	MF Super 90 Base Model	Wheel Tractor	301 CID (4.9L) 4-300 Perkins Diesel	22
MF1105 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354 Perkins Diesel	35	MH50 Hi-Clear	Wheel Tractor	134 CID (2.2L) Z134 Continental	12
MF1130 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354 Perkins Diesel	35	MH202 Base Model	Wheel Tractor	290 CID (4.8L) M290 Continental	31
MF1135 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354 Perkins Diesel	35	MHF50 Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	12
MF1350 Base Model	Wheel Tractor	152 CID (2.5L) A3-152 Perkins Diesel	3	Mustang Row Crop	Wheel Tractor	140 CID (2.3L) F140 Continental	11
MF1500 Base Model	Wheel Tractor	573 CID (9.4L) 3150 Caterpillar Diesel	40	PA4-Pacer Series 16	Wheel Tractor	91 CID (1.5L) Y91 Continental	6
MF1505 Base Model	Wheel Tractor	636 CID (10.4L) 3208 Caterpillar Diesel	42	Pony Series II	Wheel Tractor	62 CID (1.0L) N62 Continental	5
MF1800D Base Model	Wheel Tractor	636 CID (10.4L) 3160 Caterpillar Diesel	41	SPH88 Base Model	Combine	339 CID (5.6L) JXLD Hercules	29
MF1805 Base Model	Wheel Tractor	636 CID (10.4L) 3208 Caterpillar Diesel	42	T40 Ferguson Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	12
MF2135 Turf Special	Wheel Tractor	134 CID (2.2L) Z134 Continental	12	TE20 Ferguson Base Model	Wheel Tractor	120 CID (2.0L) Z120 Continental	10
MF2135 Turf Special	Wheel Tractor	152 CID (2.5L) AD3-152 Perkins Diesel	3	TE20 Ferguson Base Model	Wheel Tractor	129 CID (2.1L) Z129 Continental	10
MF2200 Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	12	TO20 Base Model	Wheel Tractor	120 CID (2.0L) Z120 Continental	10
MF2200 Base Model	Wheel Tractor	152 CID (2.5L) 3-152 Perkins Diesel	3	TO20 Base Model	Wheel Tractor	129 CID (2.1L) Z129 Continental	10
MF2244 Base Model	Crawler	152 CID (2.5L) 3-152 Perkins Diesel	3	TO30 Base Model	Wheel Tractor	120 CID (2.0L) Z120 Continental	10
MF2500 Base Model	Fork Lift	145 CID (2.4L) Z145 Continental	13	TO30 Base Model	Wheel Tractor	129 CID (2.1L) Z129 Continental	10
MF2500 Base Model	Fork Lift	152 CID (2.5L) 3-152 Perkins Diesel	3	TO30 Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	12
MF2675 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354.4 Perkins Diesel	36	TO35 Base Model	Wheel Tractor	120 CID (2.0L) Z120 Continental	10
MF2705 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354.4 Perkins Diesel	36	TO35 Base Model	Wheel Tractor	129 CID (2.1L) Z129 Continental	10
MF3090 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354.4 Perkins Diesel	36	TO35 Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	12
MF3165 Turf Special	Wheel Tractor	176 CID (2.9L) G176 Continental	14	TO40 Base Model	Wheel Tractor	120 CID (2.0L) Z120 Continental	10
MF3165 Turf Special	Wheel Tractor	203 CID (3.3L) AD4-203 Perkins Diesel	15	TO40 Base Model	Wheel Tractor	129 CID (2.1L) Z129 Continental	10
MF3505 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354.4 Perkins Diesel	36	TO40 Base Model	Wheel Tractor	134 CID (2.2L) Z134 Continental	12
MF3525 Base Model	Wheel Tractor	354 CID (5.8L) AT6-354.4 Perkins Diesel	36				

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
10A-5090	5.000in./127mm	37	15140	4.125in./104.8mm	24	52813	5.000in./127mm	3	617925	4.375in./111.1mm	25
9300	4.375in./111.1mm	25	40090C	4.250in./108mm	29	52813	5.000in./127mm	2	665679	4.750in./120.7mm	28
9410	4.625in./117.5mm	25	40090C	4.500in./114.3mm	29	52813	5.000in./127mm	15	665679	4.250in./108mm	28
9410	4.375in./111.1mm	25	40390C	4.250in./108mm	29	59554	5.000in./127mm	34	665679	4.500in./114.3mm	28
9414	4.625in./117.5mm	25	40390C	4.500in./114.3mm	29	59554	5.000in./127mm	18	666743	4.625in./117.5mm	25
15134N	3.125in./79.4mm	24	43102C	4.250in./108mm	29	59554	5.000in./127mm	19	666746	4.750in./120.7mm	28
15134N	4.125in./104.8mm	24	43102C	4.500in./114.3mm	29	59554	5.000in./127mm	33	666746	4.250in./108mm	28
15140	3.125in./79.4mm	24	44119C	4.500in./114.3mm	29	617925	4.625in./117.5mm	25	666746	4.500in./114.3mm	28



MASSEY FERGUSON (Cont.)

CONNECTING ROD FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
731057	4.375in./111.1mm	27	1554471	4.625in./117.5mm	25	5135051	5.000in./127mm	39	31337310	5.000in./127mm	19
868896	4.625in./117.5mm	25	1554471	4.375in./111.1mm	25	5144384	5.000in./127mm	39	31337310	5.000in./127mm	33
868896	4.375in./111.1mm	25	1554530	4.625in./117.5mm	25	5144469	5.000in./127mm	4	DA-51-A	3.250in./82.6mm	1
952118	4.625in./117.5mm	25	1554530	4.375in./111.1mm	25	5150093	5.000in./127mm	4	DA-51-B	3.250in./82.6mm	1
952118	4.375in./111.1mm	25	1947167	3.125in./79.4mm	24	5154265	5.000in./127mm	4	F218D-3020	4.375in./111.1mm	11
954371	4.625in./117.5mm	25	1947167	4.125in./104.8mm	24	31337140	5.000in./127mm	3	F400D-500	4.375in./111.1mm	11
954371	4.375in./111.1mm	25	1947952	3.125in./79.4mm	24	31337140	5.000in./127mm	2	F400D-502	4.375in./111.1mm	11
954408	4.625in./117.5mm	25	1947952	4.125in./104.8mm	24	31337140	5.000in./127mm	15	F600D-310	4.375in./111.1mm	26
954408	4.375in./111.1mm	25	2205554	3.125in./79.4mm	24	31337180JGSB	5.000in./127mm	34	F600D-402	4.375in./111.1mm	26
954418	4.750in./120.7mm	28	2205554	4.125in./104.8mm	24	31337180JGSB	5.000in./127mm	18	F600D-405	4.375in./111.1mm	26
954418	4.250in./108mm	28	2951260	3.125in./79.4mm	24	31337180JGSB	5.000in./127mm	19	G181-501M	4.375in./111.1mm	16
954418	4.500in./114.3mm	28	2951260	4.125in./104.8mm	24	31337180JGSB	5.000in./127mm	33	N56D-400	3.500in./88.9mm	5
954428	4.750in./120.7mm	28	3185281	3.250in./82.6mm	38	31337220	5.000in./127mm	3	N62D-400	3.500in./88.9mm	5
954428	4.500in./114.3mm	28	3703526	3.250in./82.6mm	38	31337220	5.000in./127mm	2	N560-400-0	3.500in./88.9mm	5
954448	4.250in./108mm	28	3703527	3.250in./82.6mm	38	31337220	5.000in./127mm	15	Y400D-400	3.500in./88.9mm	6
1400244	4.750in./120.7mm	28	3751142N	4.125in./104.8mm	24	31337240	3.465in./88mm	7	Z120D-500	3.750in./95.3mm	10
1400244	4.250in./108mm	28	3784000	3.250in./82.6mm	38	31337310	5.000in./127mm	34	Z120D-500	3.875in./98.4mm	12
1400244	4.500in./114.3mm	28	3815281	3.250in./82.6mm	38	31337310	5.000in./127mm	18			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3-71	5.000in./127mm	4	665792	4.250in./108mm	28	3782680	3.250in./82.6mm	38	F400C-501	4.375in./111.1mm	11
9N-8013	4.500in./114.3mm	40	665792	4.500in./114.3mm	28	3782690	3.250in./82.6mm	38	F400C-503	4.375in./111.1mm	11
162C-500	3.500in./88.9mm	5	666739	4.500in./114.3mm	28	3815822	3.250in./82.6mm	38	F600C-217	4.375in./111.1mm	26
400C-209	4.375in./111.1mm	11	673498	4.500in./114.3mm	28	3911000	3.250in./82.6mm	38	F600C-243	4.375in./111.1mm	27
400C-500	4.375in./111.1mm	11	732596	4.375in./111.1mm	27	3911001	3.250in./82.6mm	38	F600C-344	4.375in./111.1mm	26
1130	3.250in./82.6mm	38	733536	4.375in./111.1mm	27	3911011	3.250in./82.6mm	38	F600C-368	4.375in./111.1mm	26
1178	3.250in./82.6mm	38	733863	4.375in./111.1mm	27	3914681	3.250in./82.6mm	38	F600C-500A	4.375in./111.1mm	26
1182	3.250in./82.6mm	38	734452	4.375in./111.1mm	27	3914682	3.250in./82.6mm	38	F600C-502	4.375in./111.1mm	26
2680	3.250in./82.6mm	38	734542	4.375in./111.1mm	27	3930809	3.250in./82.6mm	38	F600C-502A	4.375in./111.1mm	26
3279	3.250in./82.6mm	38	762706	4.500in./114.3mm	28	3941172	3.250in./82.6mm	38	F600C-504	4.375in./111.1mm	26
4577	3.250in./82.6mm	38	856080	4.375in./111.1mm	25	3941174	3.250in./82.6mm	38	F600C-506A	4.375in./111.1mm	26
4672	3.250in./82.6mm	38	863706	4.500in./114.3mm	28	4095246	4.125in./104.8mm	24	F600C-536	4.375in./111.1mm	26
40091E	4.250in./108mm	29	864718	4.250in./108mm	28	5103281	5.000in./127mm	39	F600C-601	4.375in./111.1mm	26
40094D	4.250in./108mm	29	864718	4.500in./114.3mm	28	5144867	5.000in./127mm	39	F600C-606A	4.375in./111.1mm	26
40094E	4.250in./108mm	29	864718	4.625in./117.5mm	25	5154926	5.000in./127mm	4	F600C-606C	4.375in./111.1mm	26
40950E	4.250in./108mm	29	864719	4.375in./111.1mm	25	5154929	5.000in./127mm	4	G176C-300	4.375in./111.1mm	14
40991E	4.250in./108mm	29	868929	4.625in./117.5mm	25	5184214	5.000in./127mm	4	G193C-202	4.375in./111.1mm	16
42947E	4.500in./114.3mm	29	870715	4.250in./108mm	28	5773990	5.000in./127mm	4	H260C-602	5.500in./139.7mm	20
42974E	4.500in./114.3mm	29	870715	4.500in./114.3mm	28	5782680	3.250in./82.6mm	38	H260C-603	5.500in./139.7mm	20
42979E	4.250in./108mm	29	870744	4.500in./114.3mm	28	7325596	4.375in./111.1mm	27	HD260C-204	5.500in./139.7mm	21
43526D	4.500in./114.3mm	29	928928	4.375in./111.1mm	27	7501366	4.125in./104.8mm	24	HD260C-424	5.500in./139.7mm	21
43526E	4.250in./108mm	29	952068	4.375in./111.1mm	25	31315127	5.000in./127mm	15	K600C-303	4.625in./117.5mm	31
43528B	4.500in./114.3mm	29	1185539	4.625in./117.5mm	25	31315841	5.000in./127mm	23	K600C-303	4.375in./111.1mm	31
43528E	4.500in./114.3mm	29	1316540	4.375in./111.1mm	25	31315843	5.000in./127mm	23	M600C-203	4.625in./117.5mm	31
43531E	4.250in./108mm	29	1400188	4.750in./120.7mm	28	31315881	5.000in./127mm	18	M600C-203	4.375in./111.1mm	31
43532	4.250in./108mm	29	1400718	4.750in./120.7mm	28	31315881	5.000in./127mm	19	M600C-302	4.625in./117.5mm	31
44025E	4.250in./108mm	29	1557708	4.625in./117.5mm	25	31315952	5.000in./127mm	23	M600C-302	4.375in./111.1mm	31
45853D	4.250in./108mm	29	1739589	4.625in./117.5mm	25	31315971	5.000in./127mm	23	M600C-303	4.625in./117.5mm	31
45853E	4.250in./108mm	29	2121654	3.125in./79.4mm	24	31316323	5.000in./127mm	23	M600C-303	4.375in./111.1mm	31
45855E	4.250in./108mm	29	2128492	4.125in./104.8mm	24	31316324	5.000in./127mm	23	M600C-501	4.625in./117.5mm	31
45857E	4.250in./108mm	29	2205554	4.125in./104.8mm	24	31316325	5.000in./127mm	23	M600C-501	4.375in./111.1mm	31
45859B	4.250in./108mm	29	2258613	4.125in./104.8mm	24	31322302	5.000in./127mm	34	M600C-503	4.625in./117.5mm	31
45859D	4.250in./108mm	29	2263611	3.125in./79.4mm	24	31322302	5.000in./127mm	33	M600C-503	4.375in./111.1mm	31
45859E	4.250in./108mm	29	2264478	3.125in./79.4mm	24	C-5145	4.250in./108mm	29	N62C-500	3.500in./88.9mm	5
45868G	4.250in./108mm	29	2264478	4.125in./104.8mm	24	CA-55	3.250in./82.6mm	8	Y400C-225	3.500in./88.9mm	6
46024E	4.250in./108mm	29	2264479	4.125in./104.8mm	24	F140C-303	4.375in./111.1mm	11	Y400C-334	3.500in./88.9mm	6
50024E	4.250in./108mm	29	2268613	4.125in./104.8mm	24	F162C-319	4.375in./111.1mm	11	Y400C-335	3.500in./88.9mm	6
140025D	4.250in./108mm	29	2543935	4.125in./104.8mm	24	F400C-209	4.375in./111.1mm	11	Y400C-338	3.500in./88.9mm	6
140025D	4.500in./114.3mm	29	2658998	4.125in./104.8mm	24	F400C-222	4.375in./111.1mm	11	Y400C-508	3.500in./88.9mm	6
140026D	4.250in./108mm	29	2843935	4.125in./104.8mm	24	F400C-228	4.375in./111.1mm	11	Y400C-511D	3.500in./88.9mm	6
155025E	4.250in./108mm	29	2843939	3.125in./79.4mm	24	F400C-314	4.375in./111.1mm	11	Z120-500	3.750in./95.3mm	10
209229	4.375in./111.1mm	27	2843963	4.125in./104.8mm	24	F400C-321	4.375in./111.1mm	11	Z120C-500	3.750in./95.3mm	10
220426C	4.500in./114.3mm	29	3132302	5.000in./127mm	34	F400C-324	4.375in./111.1mm	11	Z129C-205	3.875in./98.4mm	10
391101A	3.250in./82.6mm	38	3132302	5.000in./127mm	33	F400C-359	4.375in./111.1mm	11	Z129C-205	3.875in./98.4mm	12
511706	5.000in./127mm	39	3698966	4.125in./104.8mm	24	F400C-368	4.375in./111.1mm	11	Z129C-500	3.875in./98.4mm	10
620035	4.375in./111.1mm	25	3769307	4.125in./104.8mm	24	F400C-500	4.375in./111.1mm	11	Z134C-500	3.875in./98.4mm	12



MASSEY FERGUSON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
				2 CYL				
1	54 CID (0.9L) TFD,THD Wisconsin 2 Cyl			3.250in./82.6mm x 3.250in./82.6mm				1
Rod Bearing(2)	B-2	CB-983M	STD,10	1.7500/1.7510	0.0014/0.0035	0.0613	1.8745/1.8750	0.8640
Piston Pin Bushing(2)	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100
NOTE: Requires Light Reaming								
Rod Forging	DA-51-A, DA-51-B							
Connecting Rod	24 Lbs.Ft.							
				3 CYL				
2	135 CID (2.2L) 3-135 Perkins Diesel 3 Cyl			3.600in./91.4mm x 5.000in./127mm				2
Rod Bearing(3)	AL-3	CB-560AL	STD,10,20,30,40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900
Main Bearing Set 1	AL-3	MS-772AL	STD,10,20,30	2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.3050
2-3		MB-2186AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.0000
4		MB-2187AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.0000
		MB-2302AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.6050
Thrust Washer Set		TW-119S	STD					
		MB-2188W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Engine Serial Number 1400250,Thru Eng Serial Number 1412719, Contains 4 Pieces, Position Number 4								
Piston Pin Bushing(3)	C-1	223-3594	STD			0.8500	1.3757/1.3762	1.0630
NOTE: Requires Boring								
Rod Forging	52813, 31337140, 31337220							
Connecting Rod	70 To 80 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft.							
3	144 CID (2.4L) P3-144 Perkins Diesel 3 Cyl			3.504in./89mm x 5.000in./127mm				3
	152 CID (2.5L) 3-152,A3-152,AD3-152,D3-152 Perkins Diesel 3 Cyl			3.600in./91.4mm x 5.000in./127mm				3
	152 CID (2.5L) AG3-152 Perkins 3 Cyl			3.600in./91.4mm x 5.000in./127mm				3
Rod Bearing(3)	AL-3	CB-560AL	STD,10,20,30,40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900
Main Bearing Set 1	AL-3	MS-772AL	STD,10,20,30	2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.3050
2-3		MB-2186AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.0000
4		MB-2187AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.0000
		MB-2302AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.6050
Thrust Washer Set		TW-119S	STD					
		MB-2188W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Engine Serial Number 1400250,Thru Eng Serial Number 1412719, Contains 4 Pieces, Position Number 4								
Thrust Washer Set		TW-130S	STD					
		MB-2292W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2292W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Eng Serial Number 1412720, Contains 4 Pieces, Position Number 4								
Piston Pin Bushing(3)	C-1	223-3594	STD			0.8500	1.3757/1.3762	1.0630
NOTE: Requires Boring								
Rod Forging	52813, 31337140, 31337220							
Connecting Rod	70 To 80 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft.							
4	213 CID (3.5L) 3-71 Detroit Diesel Supercharged Diesel 3 Cyl			4.250in./108mm x 5.000in./127mm				4
Rod Bearing(3)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800
Main Bearing(4)	TM-112	MB-1276P	STD,10,20,30,40	3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930
Thrust Washer Set		TW-411S	STD					
		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MB-1276P (4)								
Cam Bearing Set	C-1	SH-476RS	STD,20					
		SH-476R		1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: From Engine Serial Number 3A-27384, Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								



MASSEY FERGUSON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL (Cont.)								
4 (Cont.)	213 CID (3.5L) 3-71 Detroit Diesel Supercharged Diesel 3 Cyl			4.250in./108mm x 5.000in./127mm				4 (Cont.)
Cam Bearing(2)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(2)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS	STD					
		SH-477W		1.6910			2.1563	0.1220
NOTE: From Engine Serial Number 3A-27384, Contains 4 Pieces								
Piston Pin Bushing(6)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Piston Pin Bushing(3)		223-3548	STD			0.0880		3.2350
NOTE: Crosshead Piston, 1 Per Rod								
Rod Forging	5144469, 5150093, 5154265							
C/S Forging	3-71, 5154926, 5154929, 5184214, 5773990							
Connecting Rod	60 To 70 Lbs.Ft.							
Main Bearing	120 To 140 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
4 CYL								
5	62 CID (1.0L) N62 Continental 4 Cyl			2.375in./60.3mm x 3.500in./88.9mm				5
Rod Bearing(4)	TM-77	CB-345P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	0.7600
NOTE: Thru Engine Serial Number 42049								
Rod Bearing(4)	TM-77	CB-524P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	0.7550
NOTE: From Engine Serial Number 42049								
Piston Pin Bushing(4)	B	223-3505	STD			0.0365	0.6019/0.6039	0.8230
NOTE: Requires Boring								
Rod Forging	N56D-400, N62D-400, N560-400-0							
C/S Forging	162C-500, N62C-500							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
6	91 CID (1.5L) Y91 Continental 4 Cyl			2.875in./73mm x 3.500in./88.9mm				6
Rod Bearing(2)	TM-112	CB-278P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050
NOTE: Positions 1 And 3								
Rod Bearing(2)	TM-112	CB-279P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050
NOTE: Positions 2 And 4								
Main Bearing Set	TM-77	MS-1627P	STD,10,30					
1		MB-2982P(F)		1.7475/1.7485	0.0005/0.0023	0.0623	1.8740/1.8747	1.3930
2		MB-1651P		1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470
3		MB-1652P		1.7475/1.7485	0.0008/0.0031	0.0625	1.8740/1.8747	1.4470
NOTE: Contains Half Flanged Bearing								
Thrust Washer Set		TW-143S	STD					
		MB-1653W		1.7812			2.6250	0.0950
NOTE: Contains 2 Pieces, Position Number 1								
Cam Bearing Set	AL-3	SH-191S	STD					
1		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3503	STD			0.0320	0.7622/0.7632	1.0630
NOTE: Requires Light Reaming								
Rod Forging	Y400D-400							
C/S Forging	Y400C-225, Y400C-334, Y400C-335, Y400C-338, Y400C-508, Y400C-511D							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
7	107 CID (1.8L) A4-107 Perkins Diesel 4 Cyl			3.125in./79.4mm x 3.465in./88mm				7
Rod Bearing(4)	AL-3	CB-652AL	STD,10,20,30	1.9995/2.0000	0.0017/0.0037	0.0724	2.1460/2.1465	0.8800



MASSEY FERGUSON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
7 (Cont.)	107 CID (1.8L) A4-107 Perkins Diesel 4 Cyl			3.125in./79.4mm x 3.465in./88mm				7 (Cont.)
Main Bearing Set 1-2-3	AL-3	MS-1037AL MB-2573AL	STD,10,20	2.2480/2.2485	0.0020/0.0040	0.0724	2.3950/2.3955	1.2550
Thrust Washer Set		TW-115S MB-2176W(L) MB-2176W(U)	STD	2.5900/2.6000 2.5900/2.6000			3.2450/3.2550 3.2450/3.2550	0.0910 0.0910
NOTE: Contains 3 Pieces, Position Number 3								
Rod Forging	31337240							
Connecting Rod	30 To 35 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
8	108 CID (1.8L) VF4 Wisconsin V4 Cyl			3.250in./82.6mm x 3.250in./82.6mm				8
Rod Bearing(4)	B-2	CB-983M	STD,10	1.7500/1.7510	0.0014/0.0035	0.0613	1.8745/1.8750	0.8640
Piston Pin Bushing(4)	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100
NOTE: Requires Light Reaming								
C/S Forging	CA-55							
Connecting Rod	24 Lbs.Ft.							
9	108 CID (1.8L) VH4D Wisconsin V4 Cyl			3.250in./82.6mm x 3.250in./82.6mm				9
Rod Bearing(4)	B-2	CB-979M	STD,10,20	1.8750/1.8760	0.0014/0.0035	0.0613	1.9995/2.0000	0.8640
Piston Pin Bushing(4)	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100
NOTE: Requires Light Reaming								
Connecting Rod	24 Lbs.Ft.							
10	120 CID (2.0L) Z120 Continental 4 Cyl 129 CID (2.1L) Z129 Continental 4 Cyl			3.188in./80.98mm x 3.750in./95.3mm 3.250in./82.6mm x 3.875in./98.4mm				10
Rod Bearing(4)	TM-77	CB-362P	STD,2,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0028	0.0619	2.0615/2.0625	1.0720
Main Bearing Set 1	TM-77	MS-260P MB-1636P	STD,10,20,30	2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.2700
2		MB-1637P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.2910
3		MB-1370P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.5560
NOTE: Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set(2)		TW-424S MB-1403W	STD	2.2812			3.0625	0.0960
NOTE: Contains 1 Piece, Position Number 1								
Cam Bearing Set 1	B-1	SH-683S SH-191	STD	1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2		SH-362-10		1.7455/1.7465	0.0010/0.0060	0.0693	1.8855/1.8875	0.7600
3		SH-317		1.6830/1.6840	0.0005/0.0055	0.0645	1.8155/1.8175	0.7600
NOTE: Engines Not Originally Equipped With Cam Bearings Must Be Line Bored To The Proper Housing Bore Dimension								
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3621	STD			0.0365	0.9134/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	Z120D-500							
C/S Forging	Z120-500, Z120C-500, Z129C-205, Z129C-500							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	70 To 75 Lbs.Ft.							
11	124 CID (2.0L) F124,F4124 Continental 4 Cyl 140 CID (2.3L) F140,F4140 Continental 4 Cyl 162 CID (2.7L) F162 Continental 4 Cyl			3.000in./76.2mm x 4.375in./111.1mm 3.188in./80.98mm x 4.375in./111.1mm 3.438in./87.33mm x 4.375in./111.1mm				11
Rod Bearing(2)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 2 And 4								



MASSEY FERGUSON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
11 (Cont.)	124 CID (2.0L) F124,F4124 Continental 4 Cyl 140 CID (2.3L) F140,F4140 Continental 4 Cyl 162 CID (2.7L) F162 Continental 4 Cyl				3.000in./76.2mm x 4.375in./111.1mm 3.188in./80.98mm x 4.375in./111.1mm 3.438in./87.33mm x 4.375in./111.1mm			11 (Cont.)
Rod Bearing(2)	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 1 And 3								
Main Bearing Set	TM-77	MS-176P-10	20					
1		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
2		MB-1406P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.6300
3		MB-1405P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set		TW-424S	STD					
		MB-1403W		2.2812			3.0625	0.0960
NOTE: Contains 2 Pieces, Position Number 1								
Cam Bearing Set	AL-3	SH-56S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	F400D-500, F400D-502, F218D-3020							
C/S Forging	400C-209, 400C-500, F140C-303, F162C-319, F400C-209, F400C-222, F400C-228, F400C-314, F400C-321, F400C-324, F400C-359, F400C-368, F400C-500, F400C-501, F400C-503							
Connecting Rod Main Bearing	20 To 25 Lbs.Ft. 35 To 40 Lbs.Ft.							
12	134 CID (2.2L) Z134 Continental 4 Cyl				3.313in./84.1mm x 3.875in./98.4mm			12
Rod Bearing(4)	TM-77	CB-362P	STD,2,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0028	0.0619	2.0615/2.0625	1.0720
Main Bearing Set	TM-77	MS-202P	STD,10,20,30					
1		MB-1636P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.2700
2		MB-1768P(F)		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.4970
3		MB-1370P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.5560
Cam Bearing Set	B-1	SH-683S	STD					
1		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2		SH-362-10		1.7455/1.7465	0.0010/0.0060	0.0693	1.8855/1.8875	0.7600
3		SH-317		1.6830/1.6840	0.0005/0.0055	0.0645	1.8155/1.8175	0.7600
NOTE: Engines Not Originally Equipped With Cam Bearings Must Be Line Bored To The Proper Housing Bore Dimension								
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3621	STD			0.0365	0.9134/0.9140	1.1250
NOTE: Requires Boring								
Rod Forging	Z120D-500							
C/S Forging	Z129C-205, Z134C-500							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 70 To 75 Lbs.Ft.							
13	145 CID (2.4L) Z145 Continental 4 Cyl				3.375in./85.7mm x 4.063in./103.2mm			13
Rod Bearing(4)	TM-77	CB-362P	STD,2,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0028	0.0619	2.0615/2.0625	1.0720
Main Bearing Set	TM-77	MS-202P	STD,10,20,30					
1		MB-1636P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.2700
2		MB-1768P(F)		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.4970
3		MB-1370P		2.2490/2.2500	0.0008/0.0031	0.0930	2.4365/2.4372	1.5560



MASSEY FERGUSON (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
13 (Cont.)	145 CID (2.4L) Z145 Continental 4 Cyl			3.375in./85.7mm x 4.063in./103.2mm					13 (Cont.)
Cam Bearing Set	B-1	SH-683S	STD						
1		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480	
2		SH-362-10		1.7455/1.7465	0.0010/0.0060	0.0693	1.8855/1.8875	0.7600	
3		SH-317		1.6830/1.6840	0.0005/0.0055	0.0645	1.8155/1.8175	0.7600	
NOTE: Engines Not Originally Equipped With Cam Bearings Must Be Line Bored To The Proper Housing Bore Dimension									
Piston Pin Bushing(4)	C-1	223-3621	STD			0.0365	0.9134/0.9140	1.1250	
NOTE: Requires Boring									
14	176 CID (2.9L) G176 Continental 4 Cyl			3.578in./90.8mm x 4.375in./111.1mm					14
Rod Bearing(4)	TM-112	CB-616P	STD,10,20,30	2.0615/2.0625	0.0011/0.0036	0.0617	2.1865/2.1870	1.1300	
Main Bearing Set	TM-112	MS-566P-10	30						
1		MB-2083P		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.4430	
2		MB-2087P(F)		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.7470	
3		MB-2085P		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.5990	
C/S Forging G176C-300									
Connecting Rod 20 To 25 Lbs.Ft. Main Bearing 35 To 40 Lbs.Ft.									
15	192 CID (3.1L) 4-192,P4 Perkins Diesel 4 Cyl			3.504in./89mm x 5.000in./127mm					15
	203 CID (3.3L) 4-203,A4-203,AD4-203 Perkins Diesel 4 Cyl			3.583in./91mm x 5.000in./127mm					
Rod Bearing(4)	AL-3	CB-560AL	STD,10,20,30,40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900	
Main Bearing Set	AL-3	MS-773AL	STD,10,20						
1		MB-2186AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.3050	
2-4		MB-2187AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.0000	
3-5		MB-2302AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.6050	
Thrust Washer Set		TW-119S	STD						
		MB-2188W(L)		3.0450/3.0550			3.5520/3.5620	0.1230	
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230	
NOTE: From Engine Serial Number 2096900,Thru Eng. Serial No. 2105859, Contains 4 Pieces, Position Number 5									
Thrust Washer Set		TW-130S	STD						
		MB-2292W(L)		3.0450/3.0550			3.5520/3.5620	0.1230	
		MB-2292W(U)		3.0450/3.0550			3.5520/3.5620	0.1230	
NOTE: From Engine Serial Number 2105860, Contains 4 Pieces, Position Number 5									
Piston Pin Bushing(4)	C-1	223-3594	STD			0.8500	1.3757/1.3762	1.0630	
NOTE: Requires Boring									
Rod Forging 52813, 31337140, 31337220 C/S Forging 31315127									
Connecting Rod 70 To 80 Lbs.Ft. Main Bearing 110 To 120 Lbs.Ft.									
16	193 CID (3.2L) G193,GF193 Continental 4 Cyl			3.750in./95.3mm x 4.375in./111.1mm					16
Rod Bearing(4)	TM-112	CB-618P	STD,10,20,30	2.2490/2.2500	0.0011/0.0036	0.0617	2.3740/2.3745	1.0800	
Main Bearing Set	TM-112	MS-566P-10	30						
1		MB-2083P		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.4430	
2		MB-2087P(F)		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.7470	
3		MB-2085P		2.3740/2.3750	0.0008/0.0035	0.0930	2.5615/2.5622	1.5990	
Rod Forging G181-501M C/S Forging G193C-202									
Connecting Rod 75 Lbs.Ft. Main Bearing 100 Lbs.Ft.									



MASSEY FERGUSON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
17	201 CID (3.3L)	E201 Continental 4 Cyl			3.625in./92.1mm x 4.875in./123.8mm			17
	208 CID (3.4L)	E208 Continental Flex 4 Cyl			3.687in./93.7mm x 4.875in./123.8mm			
	208 CID (3.4L)	E400 Continental 4 Cyl			3.687in./93.7mm x 4.875in./123.8mm			
	208 CID (3.4L)	ED208 Continental Diesel 4 Cyl			3.687in./93.7mm x 4.875in./123.8mm			
	223 CID (3.7L)	E223 Continental 4 Cyl			3.813in./96.9mm x 4.875in./123.8mm			
	223 CID (3.7L)	E223 Continental LPG 4 Cyl			3.813in./96.9mm x 4.875in./123.8mm			
	223 CID (3.7L)	EB223 Continental 4 Cyl			3.875in./98.4mm x 4.875in./123.8mm			
	223 CID (3.7L)	EB223 Continental LPG 4 Cyl			3.875in./98.4mm x 4.875in./123.8mm			
	242 CID (4.0L)	E242 Continental Flex 4 Cyl			3.813in./96.9mm x 5.125in./130.2mm			
	242 CID (4.0L)	EB242 Continental 4 Cyl			3.813in./96.9mm x 5.125in./130.2mm			
	242 CID (4.0L)	EB242 Continental LPG 4 Cyl			3.813in./96.9mm x 5.125in./130.2mm			
Rod Bearing(4)	TM-77	CB-596P	STD,10	2.2480/2.2490	0.0013/0.0034	0.0621	2.3740/2.3745	1.3220
Piston Pin Bushing(4)	C-1	223-3516	STD			0.0450	1.1810/1.1845	1.2500
NOTE: Requires Light Reaming								
Connecting Rod	70 To 75 Lbs.Ft.							
18	212 CID (3.5L)	AG4-212 Perkins Diesel 4 Cyl			3.661in./93mm x 5.000in./127mm			18
	236 CID (3.9L)	4-236 Perkins Diesel 4 Cyl			3.875in./98.4mm x 5.000in./127mm			
	236 CID (3.9L)	A4-236 Perkins Diesel 4 Cyl			3.858in./98mm x 5.000in./127mm			
Rod Bearing(4)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set 1-2-4-5	AL-3	MS-830AL	STD,10,20,30	2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2550
3		MB-2221AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4450
		MB-2222AL						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set		TW-121S	STD					
		MB-2222W(L)		3.4200/3.4300			4.0880/4.0980	0.0910
		MB-2222W(U)		3.4200/3.4300			4.0880/4.0980	0.0910
NOTE: Thru Engine Serial Number 4203049, Contains 4 Pieces, Position Number 3								
Thrust Washer Set		TW-316S	STD					
		MB-2636W(L)		3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(U)		3.4200/3.4300			4.0880/4.0980	0.0900
NOTE: From Engine Serial Number 4203050, Contains 4 Pieces, Position Number 3								
Rod Forging	59554, 31337310, 31337180JGSB							
C/S Forging	31315881							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	140 To 150 Lbs.Ft.							
19	248 CID (4.1L)	4-248,A4-248 Perkins Diesel 4 Cyl			3.976in./101mm x 5.000in./127mm			19
Rod Bearing(4)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set 1-2-4-5	AL-3	MS-830AL	STD,10,20,30	2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2550
3		MB-2221AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4450
		MB-2222AL						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set		TW-121S	STD					
		MB-2222W(L)		3.4200/3.4300			4.0880/4.0980	0.0910
		MB-2222W(U)		3.4200/3.4300			4.0880/4.0980	0.0910
NOTE: Thru Engine Serial Number 4203049, Contains 4 Pieces, Position Number 3								
Thrust Washer Set		TW-316S	STD					
		MB-2636W(L)		3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(U)		3.4200/3.4300			4.0880/4.0980	0.0900
NOTE: From Engine Serial Number 4203050, Contains 4 Pieces, Position Number 3								
Piston Pin Bushing(4)	C-1	223-3640	STD			0.0870	1.5318/1.5323	1.3360
Rod Forging	59554, 31337310, 31337180JGSB							
C/S Forging	31315881							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	140 To 150 Lbs.Ft.							
20	260 CID (4.3L)	H260 Continental 4 Cyl			3.875in./98.4mm x 5.500in./139.7mm			20
	277 CID (4.5L)	H277 Continental 4 Cyl			4.000in./101.6mm x 5.500in./139.7mm			
Rod Bearing(4)	TM-77	CB-405P	STD,10,20,30	2.4980/2.4990	0.0009/0.0030	0.0623	2.6240/2.6245	1.4780



MASSEY FERGUSON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
20 (Cont.)	260 CID (4.3L) H260 Continental 4 Cyl			3.875in./98.4mm x 5.500in./139.7mm				20 (Cont.)
	277 CID (4.5L) H277 Continental 4 Cyl			4.000in./101.6mm x 5.500in./139.7mm				
Piston Pin Bushing(4)	C-1	223-3517	STD			0.0680	1.3698/1.3723	1.2600
NOTE: Requires Light Reaming								
C/S Forging H260C-602, H260C-603								
Connecting Rod 40 To 45 Lbs.Ft.								
21	260 CID (4.3L) HD260 Continental Diesel 4 Cyl			3.875in./98.4mm x 5.500in./139.7mm				21
	277 CID (4.5L) HD277 Continental Diesel 4 Cyl			4.000in./101.6mm x 5.500in./139.7mm				
Rod Bearing(4)	TM-112	CB-459P	STD	2.4980/2.4990	0.0017/0.0042	0.0619	2.6240/2.6245	1.4780
Piston Pin Bushing(4)	C-1	223-3517	STD			0.0680	1.3698/1.3723	1.2600
NOTE: Requires Light Reaming								
C/S Forging HD260C-204, HD260C-424								
Connecting Rod 40 To 45 Lbs.Ft.								
22	301 CID (4.9L) 4-300 Perkins Diesel 4 Cyl			4.488in./114mm x 4.764in./121mm				22
Rod Bearing(4)	TM-112	CB-751P	STD,10	2.7482/2.7490	0.0025/0.0053	0.0825	2.9160/2.9170	1.3780
Thrust Washer Set		TW-121S	STD					
		MB-2222W(L)		3.4200/3.4300			4.0880/4.0980	0.0910
		MB-2222W(U)		3.4200/3.4300			4.0880/4.0980	0.0910
NOTE: Contains 4 Pieces, Position Number 3								
23	318 CID/5215CC (5.2L) 4.318,A4.318 Perkins Diesel 4 Cyl			4.500in./114.3mm x 5.000in./127mm				23
Rod Bearing(4)	TM-112	CB-751P	STD,10	2.7482/2.7490	0.0025/0.0053	0.0825	2.9160/2.9170	1.3780
Main Bearing Set 1-2-4-5	AL-3	MS-830AL	STD,10,20,30					
3		MB-2221AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2550
		MB-2222AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4450
NOTE: Requires Thrust Washer Set, Not Included								
Thrust Washer Set		TW-316S	STD					
		MB-2636W(L)		3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(U)		3.4200/3.4300			4.0880/4.0980	0.0900
NOTE: Contains 4 Pieces, Position Number 3								
C/S Forging 31315841, 31315843, 31315952, 31315971, 31316323, 31316324, 31316325								
Connecting Rod 105 Lbs.Ft.								
Main Bearing 150 Lbs.Ft.								
6 CYL								
24	170 CID (2.8L) H170/HB170/HC170 Chrysler 6 Cyl			3.400in./86.4mm x 3.125in./79.4mm				24
	225 CID (3.7L) H225 Chrysler 6 Cyl			3.400in./86.4mm x 4.125in./104.8mm				
Rod Bearing(6)	TM-77	CB-606G	STD,1,10,20,30,40,60	2.1865/2.1875	0.0007/0.0028	0.0624	2.3125/2.3130	0.9900
NOTE: Forged Crankshaft								
Main Bearing Set	TM-77	MS-517P	STD,10,20,30,40					
		MB-1999P		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.0390
		MB-2001P		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.0390
		MB-2000P(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.2550
NOTE: Forged Crankshaft								
Cam Bearing Set	B-1	SH-874S	STD					
		SH-874		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.9300
		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
		SH-424		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.7600
		SH-425		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
Piston Pin Bushing(6)	B	223-3484	STD			0.0320	1.0370/1.0390	1.1400
NOTE: Requires Light Reaming								
Piston Pin Bushing(6)	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400
NOTE: Requires Boring								
Rod Forging 15140, 15134N, 1947167, 1947952, 2205554, 2951260, 3751142N								
C/S Forging 2121654, 2128492, 2205554, 2258613, 2263611, 2264478, 2264479, 2268613, 2543935, 2658998, 2843935, 2843939, 2843963, 3698966, 3769307, 4095246, 7501366								
Connecting Rod 45 Lbs.Ft.								
Main Bearing 85 Lbs.Ft.								



MASSEY FERGUSON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
25	218 CID (3.6L) 5/5A/6/6A/30/31 Chrysler 6 Cyl (1942-1954)			3.250in./82.6mm x 4.375in./111.1mm				25
	230 CID (3.8L) Ind 30 Chrysler 6 Cyl (1942-1960)			3.250in./82.6mm x 4.625in./117.5mm				
	230 CID (3.8L) L-Head Dodge 6 Cyl			3.250in./82.6mm x 4.625in./117.5mm				
Rod Bearing(6)	TM-77	CB-60G	STD,10,20,30,40,50,60	2.0615/2.0625	0.0006/0.0027	0.0525	2.1675/2.1680	1.0050
Main Bearing Set	TM-77	MS-523P-10	20,30					
1		MB-2011P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.2400
2-3		MB-2012P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.0360
4		MB-122P(F)		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-23S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-24		1.9665/1.9675	0.0010/0.0050	0.0650	2.0985/2.0995	0.8820
3		SH-25		1.9350/1.9360	0.0010/0.0050	0.0650	2.0670/2.0680	0.8820
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	9300, 9410, 9414, 617925, 666743, 868896, 952118, 954371, 954408, 1554471, 1554530							
C/S Forging	620035, 856080, 864718, 864719, 868929, 952068, 1185539, 1316540, 1557708, 1739589							
Connecting Rod	45 To 50 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	50 To 75 Lbs.Ft. (7/16" Bolts)							
Main Bearing	80 To 85 Lbs.Ft.							
26	226 CID (3.7L) F226 Continental Flex 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				26
	244 CID (4.0L) F6244 Continental 6 Cyl			3.438in./87.33mm x 4.375in./111.1mm				
Rod Bearing(6)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	F600D-310, F600D-402, F600D-405							
C/S Forging	F600C-217, F600C-344, F600C-368, F600C-502, F600C-504, F600C-536, F600C-601, F600C-500A, F600C-502A, F600C-506A, F600C-606A, F600C-606C							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
27	227 CID (3.7L) F227 Continental 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				27
Rod Bearing(6)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Main Bearing Set	TM-77	MS-889P	STD,10,20,30					
1		MB-1682P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5616/2.5622	1.0670
2-3		MB-1225P		2.3744/2.3752	0.0010/0.0031	0.0928	2.5615/2.5622	1.3170
4		MB-1686P(F)		2.3744/2.3752	0.0005/0.0023	0.0932	2.5616/2.5622	1.6320
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660



MASSEY FERGUSON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
27 (Cont.)	227 CID (3.7L) F227 Continental 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				27 (Cont.)
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, Thin Wall								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming								
Rod Forging	731057							
C/S Forging	209229, 732596, 733536, 733863, 734452, 734542, 928928, 7325596, F600C-243							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
28	237 CID (3.9L) Ind 7 Chrysler 6 Cyl			3.438in./87.33mm x 4.250in./108mm				28
	251 CID (4.1L) Ind 8 Chrysler 6 Cyl			3.438in./87.33mm x 4.500in./114.3mm				
	265 CID (4.3L) ,Ind 32, Ind 33 Chrysler 6 Cyl			3.438in./87.33mm x 4.750in./120.7mm				
Rod Bearing(6)	TM-77	CB-90P	STD, 1, 10, 20, 30, 40, C60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	1.0850
Main Bearing Set 1-2-3	TM-77	MS-107P	STD, 10, 20					
4		MB-327P		2.4995/2.5005	0.0011/0.0036	0.0776	2.6565/2.6570	1.1810
		MB-328P(F)		2.4995/2.5005	0.0017/0.0042	0.0774	2.6565/2.6570	1.8710
Cam Bearing Set 1	B-1	SH-37S	STD					
2		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
3		SH-37		1.9665/1.9675	0.0005/0.0045	0.0652	2.0985/2.0995	1.0700
		SH-38		1.9350/1.9360	0.0005/0.0044	0.0653	2.0670/2.0680	1.0690
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming, Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Boring, 1.066" Outside Diameter								
Rod Forging	665679, 666746, 954418, 954428, 954448, 1400244							
C/S Forging	665792, 666739, 673498, 762706, 863706, 864718, 870715, 870744							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
29	282 CID (4.6L) JXC Hercules 6 Cyl			3.750in./95.3mm x 4.250in./108mm				29
	339 CID (5.6L) JXLD Hercules 6 Cyl			4.000in./101.6mm x 4.500in./114.3mm				
Rod Bearing(6)	TM-112	CB-340P	STD, 10, 20, 30, 40	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640
NOTE: Contains 2 Shims								
Cam Bearing Set 1-4	B-1	SH-198S	STD					
2-3		SH-197		2.0530/2.0540	0.0005/0.0040	0.0668	2.1870/2.1880	1.1350
		SH-198		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230
NOTE: From Engine Serial Number 501088								
Rod Forging	40090C, 40390C, 43102C, 44119C							
C/S Forging	43532, 40091E, 40094D, 40094E, 40950E, 40991E, 42947E, 42974E, 42979E, 43526D, 43526E, 43528B, 43528E, 43531E, 44025E, 45853D, 45853E, 45855E, 45857E, 45859B, 45859D, 45859E, 45868G, 46024E, 50024E, C-5145, 140025D, 140026D, 155025E, 220426C							
Connecting Rod	53 To 56 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
30	288 CID (4.7L) P6 Perkins Diesel 6 Cyl			3.504in./89mm x 5.000in./127mm				30
	305 CID (5.0L) 6.305, AD6.305 Perkins Diesel 6 Cyl			3.600in./91.4mm x 5.000in./127mm				
Rod Bearing(6)	AL-3	CB-560AL	STD, 10, 20, 30, 40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900
Thrust Washer Set		TW-119S	STD					
		MB-2188W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Engine Serial Number 3280000, Thru Eng. Serial No. 3294767, Contains 4 Pieces, Position Number 7								
Thrust Washer Set		TW-130S	STD					
		MB-2292W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2292W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Engine Serial Number 3294768, Contains 4 Pieces, Position Number 7								
Piston Pin Bushing(6)	C-1	223-3594	STD			0.8500	1.3757/1.3762	1.0630
NOTE: Requires Boring								



MASSEY FERGUSON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
30 (Cont.)	288 CID (4.7L) P6 Perkins Diesel 6 Cyl			3.504in./89mm x 5.000in./127mm				30 (Cont.)
	305 CID (5.0L) 6.305,AD6.305 Perkins Diesel 6 Cyl			3.600in./91.4mm x 5.000in./127mm				
Connecting Rod	70 To 80 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft.							
31	290 CID (4.8L) M290 Continental 6 Cyl			3.750in./95.3mm x 4.625in./117.5mm				31
	330 CID (5.4L) M330,M6330 Continental 6 Cyl			4.000in./101.6mm x 4.375in./111.1mm				
Rod Bearing(6)	TM-112	CB-510P	STD,10,30	2.2480/2.2490	0.0013/0.0038	0.0621	2.3740/2.3745	1.3850
C/S Forging	K600C-303, M600C-203, M600C-302, M600C-303, M600C-501, M600C-503							
Connecting Rod	20 To 25 Lbs.Ft.							
32	292 CID (4.8L) General Motors 6 Cyl			3.875in./98.4mm x 4.125in./104.8mm				32
Rod Bearing(6)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(6)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(6)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-617P	STD,1,10,20,30,40					
1-2-3-4-5-6		MB-3135P		2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
7		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Cam Bearing Set	AL-3	SH-399S	STD,10					
1-4		SH-399		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
2-3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
33	354 CID (5.8L) 6-354,A6-354 Perkins Diesel 6 Cyl			3.877in./98.5mm x 5.000in./127mm				33
Rod Bearing(6)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set	AL-3	MS-757AL	STD,10,20,30					
1-2-3-5-6-7		MB-2221AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2550
4		MB-2222AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set		TW-121S	STD					
		MB-2222W(L)		3.4200/3.4300			4.0880/4.0980	0.0910
		MB-2222W(U)		3.4200/3.4300			4.0880/4.0980	0.0910
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4								
Thrust Washer Set		TW-316S	STD					
		MB-2636W(L)		3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(U)		3.4200/3.4300			4.0880/4.0980	0.0900
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4								
Rod Forging	59554, 31337310, 31337180JGSB							
C/S Forging	3132302, 31322302							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	145 To 150 Lbs.Ft.							
34	354 CID (5.8L) 6-354.4 Perkins Diesel 6 Cyl			3.877in./98.5mm x 5.000in./127mm				34
Rod Bearing(6)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set	AL-3	MS-1548AL	STD,10					
1-2-3-5-6-7		MB-2789AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2400
4		MB-2790AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4400
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-316S								
Thrust Washer Set		TW-316S	STD					
		MB-2636W(L)		3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(U)		3.4200/3.4300			4.0880/4.0980	0.0900
NOTE: Contains 4 Pieces, Position Number 4								
Rod Forging	59554, 31337310, 31337180JGSB							
C/S Forging	3132302, 31322302							
Connecting Rod	75 Lbs.Ft. (Cadmium Plated Bolts)							
Connecting Rod	95 Lbs.Ft. (Phosphated Bolts)							
Main Bearing	200 Lbs.Ft.							
35	354 CID (5.8L) AT6-354 Perkins Turbocharged Diesel 6 Cyl			3.877in./98.5mm x 5.000in./127mm				35
Rod Bearing(6)	AL-3	CB-1209AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550



MASSEY FERGUSON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
35 (Cont.)	354 CID (5.8L) AT6-354 Perkins Turbocharged Diesel 6 Cyl			3.877in./98.5mm x 5.000in./127mm				35 (Cont.)
Main Bearing Set 1-2-3-5-6-7 4	AL-3	MS-757AL MB-2221AL MB-2222AL	STD,10,20,30	2.9985/2.9990 2.9985/2.9990	0.0027/0.0052 0.0027/0.0052	0.0823 0.0823	3.1660/3.1670 3.1660/3.1670	1.2550 1.4450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set		TW-121S MB-2222W(L) MB-2222W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0910 0.0910
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4								
Thrust Washer Set		TW-316S MB-2636W(L) MB-2636W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0900 0.0900
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4								
36	354 CID (5.8L) AT6-354.4 Perkins Turbocharged Diesel 6 Cyl			3.877in./98.5mm x 5.000in./127mm				36
Rod Bearing(6) NOTE: Turbocharged	AL-3	CB-1209AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set 1-2-3-5-6-7 4	AL-3	MS-1548AL MB-2789AL MB-2790AL	STD,10	2.9985/2.9990 2.9985/2.9990	0.0027/0.0052 0.0027/0.0052	0.0823 0.0823	3.1660/3.1670 3.1660/3.1670	1.2400 1.4400
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set		TW-121S MB-2222W(L) MB-2222W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0910 0.0910
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4								
Thrust Washer Set		TW-316S MB-2636W(L) MB-2636W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0900 0.0900
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4								
37	504 CID (8.3L) 504 Minneapolis Moline LPG 6 Cyl 504 CID (8.3L) HD504A Minneapolis Moline Diesel 6 Cyl			4.625in./117.5mm x 5.000in./127mm 4.625in./117.5mm x 5.000in./127mm				37
Rod Bearing(6)	TM-112	CB-591P	STD,10,20	2.9115/2.9120	0.0019/0.0044	0.1053	3.1240/3.1250	2.0780
Rod Forging	10A-5090							
Connecting Rod	80 To 85 Lbs.Ft.							
8 CYL								
38	327 CID (5.4L) Chevrolet V8 Cyl			4.000in./101.6mm x 3.250in./82.6mm				38
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 2.000" Diameter Crankshaft Rod Journal	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Rod Bearing(8) NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock,2.100" Diameter Crankshaft Rod Journal	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Main Bearing Set 1-2-3-4 5	TM-77	MS-429P MB-3135P MB-1769P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2978/2.2988	0.0003/0.0033 0.0011/0.0041	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
NOTE: 2.298" Diameter Main Bearing Journals								
Main Bearing Set 1-2-3-4 5	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
NOTE: 2.448" Diameter Main Bearing Journals								



MASSEY FERGUSON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
38 (Cont.)	327 CID (5.4L) Chevrolet V8 Cyl				4.000in./101.6mm x 3.250in./82.6mm			38 (Cont.)
Main Bearing Set 1-2-3-4 5	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
NOTE: 2.448" Diameter Main Bearing Journals								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: 2.448" Diameter Main Bearing Journals, Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: 2.448" Diameter Main Bearing Journals, Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: 2.448" Diameter Main Bearing Journals, Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3-4 5	B-1	SH-287S SH-290 SH-288 SH-287 SH-289	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644 0.0694	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500 0.9500
NOTE: Thru 1963								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: From 1964								
Cam Bearing Set 1 2-5 3-4	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: From 1968, Heavy Duty Engine								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3185281, 3703526, 3703527, 3784000, 3815281 1130, 1178, 1182, 2680, 3279, 4577, 4672, 3782680, 3782690, 3815822, 3911000, 3911001, 3911011, 391101A, 3914681, 3914682, 3930809, 3941172, 3941174, 5782680							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft. (2.298" Diameter Main Bearing Journals)							
Main Bearing	75 Lbs.Ft. (2.448" Diameter Main Bearing Journals)							
39	568 CID (9.3L) 8V-71 Detroit Diesel Diesel V8 Cyl				4.250in./108mm x 5.000in./127mm			39
Rod Bearing(8)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Main Bearing Set 1-2-3-4-5 5	TM-112	MS-1386P MB-2687P MB-2523W	STD,10,20,30	4.4990/4.5000 4.7500/4.7600	0.0019/0.0049	0.1552	4.8120/4.8130 5.7300/5.7400	1.2450 0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								
Thrust Washer Set		TW-402S MB-2523W	STD	4.7500/4.7600			5.7300/5.7400	0.1220
NOTE: Contains 4 Pieces, Position Number 5								



MASSEY FERGUSON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
39 (Cont.)	568 CID (9.3L) 8V-71 Detroit Diesel Diesel V8 Cyl			4.250in./108mm x 5.000in./127mm				39 (Cont.)
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(6)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(6)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Piston Pin Bushing(16)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175
NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring								
Rod Forging	5135051, 5144384							
C/S Forging	511706, 5103281, 5144867							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	155 To 185 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
40	573 CID (9.4L) 3150 Caterpillar Diesel V8 Cyl			4.500in./114.3mm x 4.500in./114.3mm				40
Rod Bearing(8)	TM-112	CB-972P	STD,10,20,30,40	2.7496/2.7504	0.0018/0.0046	0.0948	2.9413/2.9423	0.9550
Main Bearing Set	TM-112	MS-1421P	STD,10,20,30					
1-2-3-5		MB-2734P		3.4990/3.5000	0.0018/0.0048	0.1025	3.7070/3.7080	1.0000
4		MB-2735P(F)		3.4990/3.5000	0.0013/0.0043	0.1028	3.7070/3.7080	1.2530
NOTE: Contains Upper Half Flanged Bearing, 1.253" Lgth. Upr. Half Flanged								
Main Bearing Set	TM-112	MS-1592P	STD,20					
1-2-3-5		MB-2929P		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.0000
4		MB-2930P(F)		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.2530
NOTE: .010" Oversize On Outside Diameter,1.253" Lgth. Upr. Half Flanged								
Cam Bearing Set	AL-3	SH-1245S	STD					
1-2-3-4-5		SH-1245		2.4995/2.5005	0.0004/0.0010	0.0750	2.6520/2.6530	0.7600
C/S Forging 9N-8013								
41	636 CID (10.4L) 3160 Caterpillar Diesel V8 Cyl			4.500in./114.3mm x 5.000in./127mm				41
Rod Bearing(8)	TM-112	CB-972P	STD,10,20,30,40	2.7496/2.7504	0.0018/0.0046	0.0948	2.9413/2.9423	0.9550
Main Bearing Set	TM-112	MS-1421P	STD,10,20,30					
1-2-3-5		MB-2734P		3.4990/3.5000	0.0018/0.0048	0.1025	3.7070/3.7080	1.0000
4		MB-2735P(F)		3.4990/3.5000	0.0013/0.0043	0.1028	3.7070/3.7080	1.2530
NOTE: Contains Upper Half Flanged Bearing, 1.253" Lgth. Upr. Half Flanged								
Main Bearing Set	TM-112	MS-1592P	STD,20					
1-2-3-5		MB-2929P		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.0000
4		MB-2930P(F)		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.2530
NOTE: .010" Oversize On Outside Diameter,1.253" Lgth. Upr. Half Flanged								
Cam Bearing Set	AL-3	SH-1245S	STD					
1-2-3-4-5		SH-1245		2.4995/2.5005	0.0004/0.0010	0.0750	2.6520/2.6530	0.7600
Piston Pin Bushing(8)	C-1	223-3569	STD			0.0770	1.6295/1.6300	1.3100
NOTE: Engines With Cylindrical Pin Bushings, Requires Boring								
Connecting Rod	27 To 33 Lbs.Ft. Plus 60 Degrees							
Main Bearing	Step A 60 Lbs.Ft.; Step B 175 Lbs.Ft.							
42	636 CID (10.4L) 3208 Caterpillar Diesel V8 Cyl			4.500in./114.3mm x 5.000in./127mm				42
Rod Bearing(8)	TM-112	CB-972P	STD,10,20,30,40	2.7496/2.7504	0.0018/0.0046	0.0948	2.9413/2.9423	0.9550
NOTE: Early Engine,.955" Bearing Length								
Rod Bearing(8)	TM-112	CB-1215P	STD,10,20,30,40	2.7490/2.7502	0.0020/0.0054	0.0948	2.9413/2.9423	1.0100
NOTE: Late Engines,1.010" Bearing Length								



MASSEY FERGUSON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
42 (Cont.)	636 CID (10.4L) 3208 Caterpillar Diesel V8 Cyl				4.500in./114.3mm x 5.000in./127mm			42 (Cont.)
Main Bearing Set	TM-112	MS-1420P	STD,10,20,30					
1		MB-2733P		3.4990/3.5000	0.0023/0.0053	0.1025	3.7070/3.7080	1.0000
2-3-5		MB-2734P		3.4990/3.5000	0.0018/0.0048	0.1025	3.7070/3.7080	1.0000
4		MB-2735P(F)		3.4990/3.5000	0.0013/0.0043	0.1028	3.7070/3.7080	1.2530
NOTE: Late Engines, Non-Grooved Front Bearing								
Main Bearing Set	TM-112	MS-1421P	STD,10,20,30					
1-2-3-5		MB-2734P		3.4990/3.5000	0.0018/0.0048	0.1025	3.7070/3.7080	1.0000
4		MB-2735P(F)		3.4990/3.5000	0.0013/0.0043	0.1028	3.7070/3.7080	1.2530
NOTE: Early Engine, Contains Upper Half Flanged Bearing, 1.253" Lgth. Upr. Half Flanged								
Main Bearing Set	TM-112	MS-1422P	STD,10,20,30					
1		MB-2736P		3.4990/3.5000	0.0023/0.0053	0.1025	3.7070/3.7080	1.0000
2-3-5		MB-2734P		3.4990/3.5000	0.0018/0.0048	0.1025	3.7070/3.7080	1.0000
4		MB-2735P(F)		3.4990/3.5000	0.0013/0.0043	0.1028	3.7070/3.7080	1.2530
NOTE: Late Engines, Grooved Front Bearing								
Main Bearing Set	TM-112	MS-1592P	STD,20					
1-2-3-5		MB-2929P		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.0000
4		MB-2930P(F)		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.2530
NOTE: Early Engine, Optional, .010" Oversize On Outside Diameter, 1.253" Lgth. Upr. Half Flanged								
Main Bearing Set	TM-112	MS-1593P	STD,20					
1		MB-2927P		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.0000
2-3-5		MB-2929P		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.0000
4		MB-2930P(F)		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.2530
NOTE: Late Engines, Non-Grooved Front Bearing, Optional, .010" Oversize On Outside Diameter								
Main Bearing Set	TM-112	MS-1594P	STD,20					
1		MB-2928P		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.0000
2-3-5		MB-2929P		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.0000
4		MB-2930P(F)		3.4990/3.5000	0.0023/0.0053	0.1075	3.7170/3.7180	1.2530
NOTE: Late Engines, Grooved Front Bearing, Optional, .010" Oversize On Outside Diameter								
Cam Bearing Set	AL-3	SH-1245S	STD					
1-2-3-4-5		SH-1245		2.4995/2.5005	0.0004/0.0010	0.0750	2.6520/2.6530	0.7600
Piston Pin Bushing(8)	C-1	223-3569	STD			0.0770	1.6295/1.6300	1.3100
NOTE: Engines With Cylindrical Pin Bushings, Requires Boring								
Piston Pin Bushing(8)	C-1	223-3628	STD			0.0775	1.6290/1.6295	1.3020
NOTE: Engines With Tapered Pin Bushings, Requires Boring								
Connecting Rod	30 Lbs.Ft. Plus 60 Degrees (Lubricant Required)							
Main Bearing	30 Lbs.Ft. Plus 120 Degrees (Lubricant Required)							
43	903 CID (14.8L) V903 Cummins Diesel V8 Cyl				5.500in./139.7mm x 4.750in./120.7mm			43
	903 CID (14.8L) VT903 Cummins Turbocharged Diesel V8 Cyl				5.500in./139.7mm x 4.750in./120.7mm			
Rod Bearing(8)	TM-112	CB-1073P	STD,10,20	3.1240/3.1250	0.0020/0.0045	0.0948	3.3160/3.3165	1.3660
Main Bearing Set	C-1	MS-1265P	STD,10,20,30					
1-2-3-4-5		MB-2621P		3.7490/3.7500	0.0019/0.0053	0.1552	4.0620/4.0630	1.3130
5		MB-2621W		4.1200/4.1400			5.2300/5.2400	0.1510
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position, Contains Dowel Pins								
Thrust Washer Set		TW-449S	STD					
		MB-2621W		4.1200/4.1400			5.2300/5.2400	0.1510
NOTE: Contains 4 Pieces, Position Number 5								
Cam Bearing Set	C-1	SH-1382S	STD					
1-5		SH-1382		2.4960/2.4970	0.0020/0.0060	0.0937	2.6865/2.6875	1.8100
2-3-4		SH-1383		2.4960/2.4970	0.0020/0.0060	0.0937	2.6865/2.6875	1.0700
Piston Pin Bushing(8)	C-1	223-3563	STD			0.1420	2.0015/2.0021	1.7600
NOTE: Requires Boring								



MASSEY FERGUSON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
43 (Cont.)	903 CID (14.8L) V903 Cummins Diesel V8 Cyl				5.500in./139.7mm x 4.750in./120.7mm			43 (Cont.)
	903 CID (14.8L) VT903 Cummins Turbocharged Diesel V8 Cyl				5.500in./139.7mm x 4.750in./120.7mm			
Connecting Rod	Step A 60 Lbs.Ft.; Step B 100 Lbs.Ft.; Step C Loosen All; Step D 40 Lbs.Ft.; Step E 70 Lbs.Ft.; Step F 105 Lbs.Ft.; Step G Loosen All; Step H Repeat Steps D, E And F							
Main Bearing	Step A 160 Lbs.Ft.; Step B 350 Lbs.Ft.; Step C Loosen All; Step D 90 Lbs.Ft.; Step E 180 Lbs.Ft.; Step F Turn 60 Degrees (Long Bolt)							
Main Bearing	Step A 25 Lbs.Ft.; Step B 75 Lbs.Ft.; Step C 150 Lbs.Ft. (Short Bolt)							
MAZDA								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
4 CYL				4 CYL (Cont.)				
988CC (1.0L) PB	1967-1983	2.677in./68mmX2.677in./68mm	1	140 CID (2.3L) SOHC Ford	1994-1997	3.780in./96mmX3.125in./79.4mm	17	
1169CC (1.2L) OHV	1968-1974	2.756in./70mmX2.992in./76mm	1	138 CID/2261CC (2.3L) DOHC 16 Valve VVT	2003-2005	3.444in./87.5mmX3.701in./94mm	16	
1272CC (1.3L) TC SOHC	1976-1978	2.874in./73mmX2.992in./76mm	2	138 CID/2261CC (2.3L) Duratec 23 DOHC Ford	2005-2006	3.440in./87.4mmX3.700in./94mm	16	
1415CC (1.4L) UC SOHC	1979-1980	3.031in./77mmX2.992in./76mm	3	153 CID (2.5L) SOHC Ford	1998-2001	3.780in./96mmX3.397in./86.3mm	18	
1489CC (1.5L) Z5-DE DOHC	1995-1998	2.965in./75.3mmX3.268in./83mm	4	2555CC (2.6L) AM1 SOHC	1987-1988	3.587in./91.1mmX3.858in./98mm	19	
1490CC (1.5L) E5 SOHC	1981-1985	3.031in./77mmX3.150in./80mm	5	2606CC (2.6L) G6 SOHC	1989-1994	3.622in./92mmX3.858in./98mm	20	
1586CC (1.6L) NA SOHC	1970-1977	3.071in./78mmX3.268in./83mm	6	2977CC (3.0L) HA Diesel	1977-1990	3.740in./95mmX4.134in./105mm	21	
1597CC (1.6L) B6 SOHC 16 Valve	1992-1993	3.071in./78mmX3.307in./84mm	7	3455CC (3.5L) SA Diesel	1984-1990	3.937in./100mmX4.330in./110mm	21	
1597CC (1.6L) B6B SOHC 8 Valve Non-Turbo	1986-1994	3.071in./78mmX3.307in./84mm	7	6 CYL				
1597CC (1.6L) B6E DOHC 16 Valve Turbo	1988-1989	3.071in./78mmX3.307in./84mm	7	1844CC (1.8L) K8D DOHC	1992-1994	2.953in./75mmX2.740in./69.6mm	22	
1597CC (1.6L) B6ZE DOHC 16 Valve	1990-1995	3.071in./78mmX3.307in./84mm	7	2254CC (2.3L) KJ DOHC Supercharged	1995-1996	3.160in./80.3mmX2.921in./74.2mm	23	
1796CC (1.8L) VB SOHC	1972-1973	3.071in./78mmX3.701in./94mm	8	2497CC (2.5L) KL-ZE DOHC	1993-1998	3.327in./84.5mmX2.913in./74mm	23	
1796CC (1.8L) VB SOHC	1977-1978	3.071in./78mmX3.701in./94mm	8	2954CC (3.0L) JE SOHC	1989-1998	3.543in./90mmX3.031in./77mm	24	
1839CC (1.8L) DOHC (BP-ZE)	1994-1997	3.268in./83mmX3.346in./85mm	7	2954CC (3.0L) JE06 SOHC	1988-1989	3.543in./90mmX3.031in./77mm	24	
1839CC (1.8L) DOHC (BPD)	1990-1997	3.268in./83mmX3.346in./85mm	7	2954CC (3.0L) JE07 SOHC	1988-1989	3.543in./90mmX3.031in./77mm	24	
1839CC (1.8L) SOHC (BPE)	1990-1994	3.268in./83mmX3.346in./85mm	7	2954CC (3.0L) JE27 DOHC	1990-1991	3.543in./90mmX3.031in./77mm	25	
1970CC (2.0L) MA SOHC	1979-1984	3.150in./80mmX3.858in./98mm	8	2954CC (3.0L) JE39 SOHC	1990-1991	3.543in./90mmX3.031in./77mm	24	
1985CC (2.0L) VA	1971-1979	3.228in./82mmX3.701in./94mm	9	2954CC (3.0L) JE48 DOHC	1992-1995	3.543in./90mmX3.031in./77mm	25	
1989CC (2.0L) Zetec/DOHC/16 Valve Ford	2001-2003	3.339in./84.8mmX3.461in./87.9mm	10	181 CID/2967CC (3.0L) Duratec/DOHC/24 Valve Ford	2001-2003	3.504in./89mmX3.130in./79.5mm	26	
1991CC (2.0L) FS-ZE DOHC	1993-2002	3.268in./83mmX3.622in./92mm	11	183 CID (3.0L) FFV/OHV Ford Flex	1999-2001	3.504in./89mmX3.150in./80mm	27	
1998CC (2.0L) FE SOHC	1983-1987	3.386in./86mmX3.386in./86mm	12	183 CID (3.0L) OHV Ford	1994-2003	3.504in./89mmX3.150in./80mm	27	
1998CC (2.0L) FE SOHC Turbocharged	1986-1987	3.386in./86mmX3.386in./86mm	12	4016CC (4.0L) OHV Ford	1991-2000	3.953in./100.4mmX3.318in./84.3mm	28	
1998CC (2.0L) RF SOHC Diesel	1984-1985	3.386in./86mmX3.386in./86mm	13	4016CC (4.0L) SOHC Ford	2001-2005	3.953in./100.4mmX3.318in./84.3mm	29	
2184CC (2.2L) F2 SOHC	1987-1993	3.386in./86mmX3.701in./94mm	12					
2184CC (2.2L) F2 SOHC Turbocharged	1988-1992	3.386in./86mmX3.701in./94mm	14					
2209CC (2.2L) S2 OHV Diesel	1982-1984	3.504in./89mmX3.504in./89mm	15					
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
323	1597CC (1.6L) B6B SOHC 8 Valve Non-Turbo	1986-1994	7	626	1970CC (2.0L) MA SOHC	1979-1982	8	
323	1597CC (1.6L) B6E DOHC 16 Valve Turbo	1988-1989	7	626	1991CC (2.0L) FS-ZE DOHC	1993-2002	11	
323	1597CC (1.6L) B6 SOHC 16 Valve	1992-1993	7	626	1998CC (2.0L) FE SOHC	1983-1987	12	
323	1839CC (1.8L) SOHC (BPE)	1990-1991	7	626	1998CC (2.0L) RF SOHC Diesel	1984-1985	13	
616	1586CC (1.6L) NA SOHC	1970-1972	6	626	1998CC (2.0L) FE SOHC	1986-1987	12	
618	1796CC (1.8L) VB SOHC	1972-1973	8	626	2184CC (2.2L) F2 SOHC	1988-1991	14	
				626	2184CC (2.2L) F2 SOHC	1988-1992	14	
				626	2497CC (2.5L) KL-ZE DOHC	1993-1998	23	



MAZDA (Cont.)							
MODEL DATA (Cont.)							
Model	Engine	Years	Block	Model	Engine	Years	Block
808	1272CC (1.3L) TC SOHC	1976-1977	2	MPV	2606CC (2.6L) G6 SOHC	1989-1994	20
808	1586CC (1.6L) NA SOHC	1972-1977	6	MPV	2954CC (3.0L) JE SOHC	1989-1998	24
929	2954CC (3.0L) JE06 SOHC	1988-1989	24	MX3	1597CC (1.6L) B6ZE DOHC 16 Valve	1994-1995	7
929	2954CC (3.0L) JE07 SOHC	1988-1989	24	MX3	1597CC (1.6L) B6 SOHC 16 Valve	1992-1993	7
929	2954CC (3.0L) JE27 DOHC	1990-1991	25	MX3	1844CC (1.8L) K8D DOHC	1992-1994	22
929	2954CC (3.0L) JE39 SOHC	1990-1991	24	MX6	1991CC (2.0L) FS-ZE DOHC	1993-1997	11
929	2954CC (3.0L) JE48 DOHC	1992-1995	25	MX6	2184CC (2.2L) F2 SOHC	1988-1992	14
1200	1169CC (1.2L) OHV	1971-1973	1	MX6	2184CC (2.2L) F2 SOHC	1988-1992	14
1200	1169CC (1.2L) OHV	1968-1974	1	MX6	2497CC (2.5L) KL-ZE DOHC	1993-1997	23
1300	1272CC (1.3L) TC SOHC	1975-1978	2	Mazda3	2261CC (2.3L) DOHC 16 Valve VVT	2004-2005	16
	1985CC (2.0L) VA	1971-1979	9	Mazda6	2261CC (2.3L) DOHC 16 Valve VVT	2003-2005	16
	988CC (1.0L) PB	1967-1983	1	Miata MX5	1597CC (1.6L) B6ZE DOHC 16 Valve	1990-1993	7
	2977CC (3.0L) HA Diesel	1977-1990	21	Miata MX5	1839CC (1.8L) DOHC (BP-ZE)	1994-1997	7
B1600	3455CC (3.5L) SA Diesel	1984-1990	21	Millenia	2254CC (2.3L) KJ DOHC	1995-1996	23
B1800	1586CC (1.6L) NA SOHC	1972-1976	6	Millenia	2497CC (2.5L) KL-ZE DOHC	1995-1998	23
B2000	1796CC (1.8L) VB SOHC	1977-1978	8	Navajo	4016CC (4.0L) OHV Ford	1991-1994	28
B2000	1970CC (2.0L) MA SOHC	1979-1984	8	Protege	1489CC (1.5L) Z5-DE DOHC	1995-1998	4
B2000	1998CC (2.0L) FE SOHC	1986-1987	12	Protege	1839CC (1.8L) SOHC (BPE)	1990-1994	7
B2200	2184CC (2.2L) F2 SOHC	1987-1993	12	Protege	1839CC (1.8L) DOHC (BPD)	1990-1994	7
B2200	2209CC (2.2L) S2 OHV Diesel	1982-1984	15	Protege	1991CC (2.0L) FS-ZE DOHC	2001-2002	11
B2300	140 CID (2.3L) SOHC Ford	1994-1997	17	Protege 5	1991CC (2.0L) FS-ZE DOHC	2002	11
B2500	153 CID (2.5L) SOHC Ford	1998-2001	18	Tribute	181 CID/2967CC (3.0L) Duratec/DOHC/24 Valve Ford	2001-2003	26
B2600	2555CC (2.6L) AM1 SOHC	1987-1988	19	Tribute	1989CC (2.0L) Zetec/DOHC/16 Valve Ford	2001-2003	10
B2600	2606CC (2.6L) G6 SOHC	1989-1993	20	Tribute	2261CC (2.3L) Duratec 23 DOHC Ford	2005-2006	16
B3000	183 CID (3.0L) OHV Ford	1994-2003	27				
B3000	183 CID (3.0L) FFV/OHV Ford	1999-2001	27				
B4000	4016CC (4.0L) OHV Ford	1994-2000	28				
B4000	4016CC (4.0L) SOHC Ford	2001-2005	29				
GLC	1272CC (1.3L) TC SOHC	1977-1978	2				
GLC	1415CC (1.4L) UC SOHC	1979-1980	3				
GLC	1490CC (1.5L) E5 SOHC	1981-1985	5				
MPV	181 CID/2967CC (3.0L) Duratec/DOHC/24 Valve Ford	2002-2003	26				

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3703526	3.701in./94mm	8	3784000	3.701in./94mm	8	D42E-AA	3.125in./79.4mm	21
3703527	3.701in./94mm	8	3815281	3.701in./94mm	8	E6AE-AB	3.150in./80mm	27

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1.9	3.031in./77mm	17	1130	3.701in./94mm	8	A-6303	3.318in./84.3mm	28	E88E-AB	3.125in./79.4mm	21
1D	3.125in./79.4mm	21	1174N	3.031in./77mm	17	A-6303-A	3.318in./84.3mm	28	E88EAB	3.125in./79.4mm	21
2D	3.125in./79.4mm	21	1178	3.701in./94mm	8	AD	3.318in./84.3mm	28	E89E-AB	3.125in./79.4mm	21
003K	3.031in./77mm	17	2680	3.701in./94mm	8	AY	3.318in./84.3mm	28	E89EAB	3.125in./79.4mm	21
003N	3.031in./77mm	17	3279	3.701in./94mm	8	B3C7	3.268in./83mm	4	E501	3.150in./80mm	5
8F28	3.125in./79.4mm	21	3975	3.701in./94mm	8	B4A-6303-B	3.268in./83mm	4	F5AE-AA	3.150in./80mm	27
09N	3.031in./77mm	17	4577	3.701in./94mm	8	B4A-B	3.268in./83mm	4	F5DE	3.150in./80mm	27
10-B	3.031in./77mm	17	4672	3.701in./94mm	8	B5A-6303-B	3.268in./83mm	4	F58E	3.150in./80mm	27
11M	3.031in./77mm	17	8034	2.992in./76mm	2	B6S	3.307in./84mm	7	F58E-AA	3.150in./80mm	27
90-21-0	3.318in./84.3mm	28	8034	2.992in./76mm	3	B301	3.318in./84.3mm	28	F58E-B	3.150in./80mm	27
90TM-AA	3.318in./84.3mm	28	9166N	3.318in./84.3mm	28	B630	3.307in./84mm	7	FE01	3.858in./98mm	8
90TM-AB	3.318in./84.3mm	28	020201A1	3.031in./77mm	17	B657	3.307in./84mm	7	FE201	3.701in./94mm	10
91A-6303-A	3.318in./84.3mm	28	391101A	3.701in./94mm	8	B	3.268in./83mm	6	FE201	3.701in./94mm	12
91A-6303-B	3.318in./84.3mm	28	3911000	3.701in./94mm	8	D	3.125in./79.4mm	21	FE-01	3.386in./86mm	10
91H-6303-B	3.318in./84.3mm	28	3911001	3.701in./94mm	8	DCI	3.268in./83mm	6	FE-50	3.858in./98mm	8
91K	3.318in./84.3mm	28	3911011	3.701in./94mm	8	DOHC	3.307in./84mm	7	FE-50	3.386in./86mm	10
91TM-AA	3.318in./84.3mm	28	3914681	3.701in./94mm	8	E2ZE-BA	3.125in./79.4mm	21	FS07	3.622in./92mm	9
96TM-AA	3.318in./84.3mm	28	3914682	3.701in./94mm	8	E6AE-A	3.150in./80mm	27	JE	3.031in./77mm	17
97TM-	3.318in./84.3mm	28	3930809	3.701in./94mm	8	E6AE-AH	3.150in./80mm	27	JE	3.031in./77mm	16
0290	3.701in./94mm	8	3941172	3.701in./94mm	8	E6AE-B	3.150in./80mm	27	K	3.268in./83mm	6
305	3.268in./83mm	6	3941174	3.701in./94mm	8	E6AE-C	3.150in./80mm	27	KL	2.913in./74mm	15
0324	2.992in./76mm	2	A1D	3.318in./84.3mm	28	E6AE-W	3.150in./80mm	27	RFE 6AE	3.150in./80mm	27
0324	2.992in./76mm	3	A301	3.318in./84.3mm	28	E8EEAB	3.125in./79.4mm	21	XBRO-1145	3.125in./79.4mm	21



MAZDA (Cont.)

COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL									
1	988CC (1.0L) PB 4 Cyl (1967-1983)				2.677in./68mm x 2.677in./68mm				1
	1169CC (1.2L) OHV 4 Cyl (1968-1974)				2.756in./70mm x 2.992in./76mm				
Rod Bearing(4)	AL-3	CB-1107G	STD, .25mm, .50mm	1.7693/1.7699	0.0011/0.0033	0.0595	1.8898/1.8904	0.7680	
Main Bearing Set	TM-1	MS-1307P	STD						
1-2-4		MB-1042P		2.2023/2.2030	0.0007/0.0029	0.0595	2.3621/2.3630	0.7680	
3-5		MB-1043P		2.2023/2.2030	0.0007/0.0029	0.0595	2.3621/2.3630	0.7680	
NOTE: Requires Thrust Washer Set, Not Included									
Connecting Rod	28 To 32 Lbs.Ft.								
Main Bearing	43 To 47 Lbs.Ft.								
2	1272CC (1.3L) TC SOHC 4 Cyl (1976-1978)				2.874in./73mm x 2.992in./76mm				2
Rod Bearing(4)	AL-3	CB-1107G	STD, .25mm, .50mm	1.7693/1.7699	0.0011/0.0033	0.0595	1.8898/1.8904	0.7680	
NOTE: 1976-1977									
Rod Bearing(4)	TM-1	CB-1279AL	STD, .25mm, .50mm, .75mm, 1.00mm	1.5724/1.5730	0.0010/0.0031	0.0596	1.6929/1.6935	0.6740	
NOTE: 1978									
Main Bearing Set	TM-1	MS-1458G	STD						
1-2-4		MB-2761G		2.4779/2.4785	0.0014/0.0036	0.0791	2.6378/2.6385	0.7870	
3-5		MB-2962G		2.4779/2.4785	0.0014/0.0036	0.0791	2.6378/2.6385	0.9060	
NOTE: 1976-1977, Requires Thrust Washer Set, Not Included, Use With Part Number TW-352S									
Main Bearing Set	AL-3	MS-1560AL	STD, .25mm, .50mm						
1-2-3-4-5		MB-2870AL		1.9661/1.9667	0.0010/0.0031	0.0793	2.1260/2.1265	0.7530	
NOTE: 1978, Requires Thrust Washer Set, Not Included, Use With Part Number TW-370S									
Thrust Washer Set		TW-352S	STD						
		MB-2762W(L)		2.7560/2.7760			3.1300/3.1500	0.0790	
		MB-2762W(U)		2.7560/2.7760			3.1300/3.1500	0.0790	
NOTE: 1976-1977, Contains 4 Pieces, Position Number 5, Use With Part Number MS-1458G									
Thrust Washer Set		TW-370S	STD						
		MB-2870W(L)		2.2440/2.2559			2.7047/2.7165	0.0790	
		MB-2870W(U)		2.2440/2.2559			2.7047/2.7165	0.0790	
NOTE: 1978, Contains 4 Pieces, Position Number 5, Use With Part Number MS-1560AL									
C/S Forging	0324, 8034								
Connecting Rod	22 To 25 Lbs.Ft.								
Main Bearing	48 To 51 Lbs.Ft.								
3	1415CC (1.4L) UC SOHC 4 Cyl (1979-1980)				3.031in./77mm x 2.992in./76mm				3
Rod Bearing(4)	TM-1	CB-1279AL	STD, .25mm, .50mm, .75mm, 1.00mm	1.5724/1.5730	0.0010/0.0031	0.0596	1.6929/1.6935	0.6740	
Main Bearing Set	AL-3	MS-1560AL	STD, .25mm, .50mm						
1-2-3-4-5		MB-2870AL		1.9661/1.9667	0.0010/0.0031	0.0793	2.1260/2.1265	0.7530	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-370S									
Thrust Washer Set		TW-370S	STD						
		MB-2870W(L)		2.2440/2.2559			2.7047/2.7165	0.0790	
		MB-2870W(U)		2.2440/2.2559			2.7047/2.7165	0.0790	
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1560AL									
C/S Forging	0324, 8034								
Connecting Rod	22 To 25 Lbs.Ft.								
Main Bearing	48 To 51 Lbs.Ft.								
4	1489CC (1.5L) Z5-DE DOHC 4 Cyl (1995-1998)				2.965in./75.3mm x 3.268in./83mm				4
Rod Bearing(4)	AL-3	CB-1279AL	STD, .25mm, .50mm, .75mm, 1.00mm	1.5724/1.5730	0.0010/0.0031	0.0596	1.6929/1.6935	0.6740	
Main Bearing Set	AL-3	MS-1802AL	STD, .25mm, .50mm, .75mm						
1-2-3-4-5		MB-3173AL		1.9661/1.9668	0.0009/0.0017	0.0792	2.1260/2.1267	0.6890	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-472S									
Thrust Washer Set		TW-472S	STD						
		MB-3173W		2.2539			2.7165	0.1000	
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1802AL									
C/S Forging	B3C7, B4A-B, B4A-6303-B, B5A-6303-B								
Connecting Rod	22 To 25 Lbs.Ft.								
Main Bearing	40 To 43 Lbs.Ft.								
5	1490CC (1.5L) E5 SOHC 4 Cyl (1981-1985)				3.031in./77mm x 3.150in./80mm				5
Rod Bearing(4)	TM-1	CB-1279AL	STD, .25mm, .50mm, .75mm, 1.00mm	1.5724/1.5730	0.0010/0.0031	0.0596	1.6929/1.6935	0.6740	



MAZDA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
5 (Cont.)	1490CC (1.5L) E5 SOHC 4 Cyl (1981-1985)				3.031in./77mm x 3.150in./80mm			5 (Cont.)
Main Bearing Set 1-2-3-4-5	AL-3	MS-1560AL MB-2870AL	STD.,25mm.,50mm	1.9661/1.9667	0.0010/0.0031	0.0793	2.1260/2.1265	0.7530
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-370S								
Thrust Washer Set		TW-370S MB-2870W(L) MB-2870W(U)	STD	2.2440/2.2559 2.2440/2.2559			2.7047/2.7165 2.7047/2.7165	0.0790 0.0790
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1560AL								
Piston Pin Bushing(4)	C-1	223-3581	STD			0.0604	0.9850	1.1030
NOTE: 1981-1982, Requires Boring								
C/S Forging E501								
Connecting Rod 22 To 25 Lbs.Ft. Main Bearing 48 To 51 Lbs.Ft.								
6	1586CC (1.6L) NA SOHC 4 Cyl (1970-1977)				3.071in./78mm x 3.268in./83mm			6
Rod Bearing(4)	AL-3	CB-1250AL	STD.,25mm.,50mm.,75mm	2.0842/2.0848	0.0017/0.0039	0.0594	2.2048/2.2054	0.8240
Main Bearing Set 1-2-4	AL-3	MS-1427AL MB-1072AL	STD.,25mm.,50mm	2.4779/2.4785	0.0010/0.0034	0.0793	2.6378/2.6385	0.7140
3		MB-1073AL		2.4779/2.4785	0.0010/0.0034	0.0793	2.6378/2.6385	0.9500
5		MB-2745AL		2.4779/2.4785	0.0010/0.0034	0.0793	2.6378/2.6385	0.9500
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-231S								
Thrust Washer Set		TW-231S MB-649W(L) MB-649W(U)	STD	2.7560/2.7760 2.7560/2.7760			3.3660/3.3860 3.3660/3.3860	0.0800 0.0800
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1427AL								
Cam Bearing Set 1	B-1	SH-1066S SH-1066	STD	1.7695/1.7701	0.0007/0.0039	0.0793	1.9295/1.9305	0.9500
2-3		SH-1067		1.7695/1.7701	0.0007/0.0039	0.0793	1.9295/1.9305	0.7140
Piston Pin Bushing(4)	C-1	223-3581	STD			0.0604	0.9850	1.1030
NOTE: 1972-1977, Requires Boring								
C/S Forging B, K, 305, DCI								
Connecting Rod 31 Lbs.Ft. Main Bearing 63 Lbs.Ft.								
7	1597CC (1.6L) B6 SOHC 16 Valve 4 Cyl (1992-1993) 1597CC (1.6L) B6B SOHC 8 Valve Non-Turbo 4 Cyl (1986-1994) 1597CC (1.6L) B6E DOHC 16 Valve Turbo Turbocharged 4 Cyl (1988-1989) 1597CC (1.6L) B6ZE DOHC 16 Valve 4 Cyl (1990-1995) 1839CC (1.8L) DOHC (BP-ZE) 4 Cyl (1994-1997) 1839CC (1.8L) DOHC (BPD) 4 Cyl (1990-1997) 1839CC (1.8L) SOHC (BPE) 4 Cyl (1990-1994)				3.071in./78mm x 3.307in./84mm 3.071in./78mm x 3.307in./84mm 3.071in./78mm x 3.307in./84mm 3.071in./78mm x 3.307in./84mm 3.268in./83mm x 3.346in./85mm 3.268in./83mm x 3.346in./85mm 3.268in./83mm x 3.346in./85mm			7
Rod Bearing(4)	AL-3	CB-1453AL	STD.,25mm.,50mm.,75mm	1.7693/1.7699	0.0011/0.0027	0.0594	1.8898/1.8904	0.6740
Main Bearing Set 1-2-3-4-5	AL-3	MS-1802AL MB-3173AL	STD.,25mm.,50mm.,75mm	1.9661/1.9668	0.0009/0.0017	0.0792	2.1260/2.1267	0.6890
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-472S								
Thrust Washer Set		TW-472S MB-3173W	STD	2.2539			2.7165	0.1000
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-1802AL								
C/S Forging B6S, B630, B657, DOHC								
Connecting Rod 35 To 38 Lbs.Ft. (1597CC (1.6L) B6 SOHC 16 Valve,1597CC (1.6L) B6B SOHC 8 Valve Non-Turbo,1839CC (1.8L) SOHC (BPE)) Connecting Rod 37 To 40 Lbs.Ft. (1597CC (1.6L) B6E DOHC 16 Valve Turbo,1597CC (1.6L) B6ZE DOHC 16 Valve,1839CC (1.8L) DOHC (BPD)) Main Bearing 40 To 43 Lbs.Ft.								
8	1796CC (1.8L) VB SOHC 4 Cyl (1972-1973) 1796CC (1.8L) VB SOHC 4 Cyl (1977-1978) 1970CC (2.0L) MA SOHC 4 Cyl (1979-1984)				3.071in./78mm x 3.701in./94mm 3.071in./78mm x 3.701in./94mm 3.150in./80mm x 3.858in./98mm			8
Rod Bearing(4)	AL-3	CB-1110P	STD.,25mm.,50mm.,75mm,1.00mm	2.0842/2.0848	0.0014/0.0036	0.0596	2.2049/2.2055	0.8710



MAZDA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
8 (Cont.)	1796CC (1.8L) VB SOHC 4 Cyl (1972-1973)			3.071in./78mm x 3.701in./94mm				8 (Cont.)
	1796CC (1.8L) VB SOHC 4 Cyl (1977-1978)			3.071in./78mm x 3.701in./94mm				
	1970CC (2.0L) MA SOHC 4 Cyl (1979-1984)			3.150in./80mm x 3.858in./98mm				
Main Bearing Set	AL-3	MS-1427AL	STD,.25mm,.50mm					
1-2-4		MB-1072AL		2.4779/2.4785	0.0010/0.0034	0.0793	2.6378/2.6385	0.7140
3		MB-1073AL		2.4779/2.4785	0.0010/0.0034	0.0793	2.6378/2.6385	0.9500
5		MB-2745AL		2.4779/2.4785	0.0010/0.0034	0.0793	2.6378/2.6385	0.9500
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-231S								
Thrust Washer Set		TW-231S	STD					
		MB-649W(L)		2.7560/2.7760			3.3660/3.3860	0.0800
		MB-649W(U)		2.7560/2.7760			3.3660/3.3860	0.0800
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-1427AL								
Cam Bearing Set	B-1	SH-1066S	STD					
1		SH-1066		1.7695/1.7701	0.0007/0.0039	0.0793	1.9295/1.9305	0.9500
2-3		SH-1067		1.7695/1.7701	0.0007/0.0039	0.0793	1.9295/1.9305	0.7140
Piston Pin Bushing(4)	C-1	223-3581	STD			0.0604	0.9850	1.1030
NOTE: 1970CC (2.0L) MA SOHC (1979-1982), Requires Boring								
Rod Forging	3703526, 3703527, 3784000, 3815281							
C/S Forging	0290, 1130, 1178, 2680, 3279, 3975, 4577, 4672, FE01, FE-50, 3911000, 3911001, 3911011, 391101A, 3914681, 3914682, 3930809, 3941172, 3941174							
Connecting Rod	31 Lbs.Ft.							
Main Bearing	60 Lbs.Ft. (1796CC (1.8L) VB SOHC,1796CC (1.8L) VB SOHC)							
Main Bearing	63 Lbs.Ft. (1970CC (2.0L) MA SOHC,1970CC (2.0L) MA SOHC)							
9	1985CC (2.0L) VA 4 Cyl (1971-1979)				3.228in./82mm x 3.701in./94mm			9
Rod Bearing(4)	AL-3	CB-1250AL	STD,.25mm,.50mm,.75mm	2.0842/2.0848	0.0017/0.0039	0.0594	2.2048/2.2054	0.8240
Main Bearing Set	AL-3	MS-1509P	STD,.25mm,.50mm,.75mm					
1		MB-2825P		2.4779/2.4785	0.0014/0.0029	0.0790	2.6378/2.6386	0.8650
2		MB-2826P(F)		2.4779/2.4785	0.0014/0.0029	0.0790	2.6378/2.6386	1.4180
3		MB-2827P		2.4779/2.4785	0.0014/0.0029	0.0790	2.6378/2.6386	1.1810
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm And 1.00mm Undersize Sets Contains .25mm Oversize Length Flanged Bearing								
Piston Pin Bushing(4)	C-1	223-3581	STD			0.0604	0.9850	1.1030
NOTE: Requires Boring								
Connecting Rod	35 To 38 Lbs.Ft.							
Main Bearing	61 To 65 Lbs.Ft.							
10	1989CC (2.0L) Zetec/DOHC/16 Valve Ford 4 Cyl (2001-2003)				3.339in./84.8mm x 3.461in./87.9mm			10
Rod Bearing(4)	TM-77	CB-1774P	STD,.25mm,.50mm,.75mm	1.8461/1.8468	0.0008/0.0017	0.0585	1.9642/1.9650	0.8020
Rod Bearing(4)	TM-77	CB-1793P-.25mm	.50mm,.75mm	1.8461/1.8468	0.0008/0.0017	0.0595	1.9662/1.9670	0.8020
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-2208P	STD,.25mm,.50mm,.75mm					
1-2-4-5		MB-3753P		2.2827/2.2834	0.0003/0.0016	0.0842	2.4522/2.4528	0.7710
3		MB-3754P(F)		2.2827/2.2834	0.0007/0.0030	0.0842	2.4522/2.4528	0.9730
11	1991CC (2.0L) FS-ZE DOHC 4 Cyl (1993-2002)				3.268in./83mm x 3.622in./92mm			11
Rod Bearing(4)	TM-1	CB-1652P	STD,.25mm,.50mm	1.8874/1.8880	0.0009/0.0020	0.0596	2.0079/2.0085	0.6744
Main Bearing Set	TM-1	MS-2057AL	STD,.25mm,.50mm					
1-2-3-4-5		MB-3544AL		2.2022/2.2030	0.0008/0.0022	0.0791	2.3622/2.3628	0.6940
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-596S								
Thrust Washer Set		TW-596S	STD					
		MB-3544W		2.4507		0.1003	3.2283	
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MS-2057AL								
C/S Forging	FS07							
Connecting Rod	16 To 19 Lbs.Ft. Plus 90 Degrees							
Main Bearing	13 to 16 Lbs.Ft. Plus 90 Degrees							
12	1998CC (2.0L) FE SOHC 4 Cyl (1983-1987)			3.386in./86mm x 3.386in./86mm				12
	1998CC (2.0L) FE SOHC Turbocharged 4 Cyl (1986-1987)			3.386in./86mm x 3.386in./86mm				
	2184CC (2.2L) F2 SOHC 4 Cyl (1987-1993)			3.386in./86mm x 3.701in./94mm				
Rod Bearing(4)	AL-3	CB-1362AL	STD,.25mm,.50mm,.75mm	2.0055/2.0061	0.0012/0.0026	0.0594	2.1261/2.1267	0.8320



MAZDA (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
12 (Cont.)	1998CC (2.0L) FE SOHC 4 Cyl (1983-1987) 1998CC (2.0L) FE SOHC Turbocharged 4 Cyl (1986-1987) 2184CC (2.2L) F2 SOHC 4 Cyl (1987-1993)				3.386in./86mm x 3.386in./86mm 3.386in./86mm x 3.386in./86mm 3.386in./86mm x 3.701in./94mm			12 (Cont.)	
Main Bearing Set 1-2-4-5 3	AL-3	MS-1639AL-.25mm MB-2999AL MB-300AL(F)	.50mm,.75mm	2.3597/2.3604 2.3597/2.3604	0.0007/0.0030 0.0007/0.0030	0.0793 0.0793	2.5197/2.5203 2.5197/2.5203	0.7530 1.1020	
NOTE: 2184CC (2.2L) F2 SOHC (1987), .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing,Full Grooved Main Bearings									
Main Bearing Set 1-2-4-5 3	AL-3	MS-1803AL MB-3174AL MB-3175AL(F)	STD,.25mm,.50mm,.75mm	2.3597/2.3604 2.3597/2.3604	0.0007/0.0030 0.0007/0.0030	0.0793 0.0793	2.5197/2.5203 2.5197/2.5203	0.7530 1.1020	
NOTE: 1998CC (2.0L) FE SOHC (1987), .25mm Undersize Sets Contain .10mm Oversize Length Flanged Bearing,.50mm Undersize Set Contains .18mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .26mm Oversize Length Flanged Bearing,Contains Partial Grooved Main Bearings									
Main Bearing Set 1-2-4-5 3	TM-1	MS-2046P MB-2999P MB-3523P(F)	STD,.25mm	2.3597/2.3604 2.3597/2.3604	0.0007/0.0030 0.0007/0.0030	0.0793 0.0793	2.5197/2.5203 2.5197/2.5203	0.7530 1.1020	
NOTE: 2184CC (2.2L) F2 SOHC (1987), All Sizes Contain Standard Length Flanged Bearing,Full Grooved Main Bearings									
C/S Forging FE-01, FE-50, FE201									
Connecting Rod	37 To 41 Lbs.Ft. (1998CC (2.0L) FE SOHC,1998CC (2.0L) FE SOHC,1998CC (2.0L) FE SOHC)								
Connecting Rod	48 To 51 Lbs.Ft. (2184CC (2.2L) F2 SOHC)								
Main Bearing	61 To 65 Lbs.Ft. (2184CC (2.2L) F2 SOHC)								
Main Bearing	61 To 68 Lbs.Ft. (1998CC (2.0L) FE SOHC,1998CC (2.0L) FE SOHC,1998CC (2.0L) FE SOHC)								
13	1998CC (2.0L) RF SOHC Diesel 4 Cyl (1984-1985)				3.386in./86mm x 3.386in./86mm			13	
Rod Bearing(4)	AL-3	CB-1362AL	STD,.25mm,.50mm,.75mm	2.0055/2.0061	0.0012/0.0026	0.0594	2.1261/2.1267	0.8320	
Main Bearing Set 1-2-4-5 3	AL-3	MS-1780AL MB-3168AL MB-3169AL	.25mm	2.3598/2.3605 2.3598/2.3605	0.0012/0.0020 0.0012/0.0020	0.0793 0.0793	2.5198/2.5204 2.5198/2.5204	0.7480 0.8270	
NOTE: Requires Thrust Washer Set, Not Included									
Connecting Rod	51 To 54 Lbs.Ft.								
Main Bearing	61 To 65 Lbs.Ft.								
14	2184CC (2.2L) F2 SOHC Turbocharged 4 Cyl (1988-1992)				3.386in./86mm x 3.701in./94mm			14	
Rod Bearing(4)	AL-3	CB-1362AL	STD,.25mm,.50mm,.75mm	2.0055/2.0061	0.0012/0.0026	0.0594	2.1261/2.1267	0.8320	
Main Bearing Set 1-2-4-5 3	AL-3	MS-1803AL MB-3174AL MB-3175AL(F)	STD,.25mm,.50mm,.75mm	2.3597/2.3604 2.3597/2.3604	0.0007/0.0030 0.0007/0.0030	0.0793 0.0793	2.5197/2.5203 2.5197/2.5203	0.7530 1.1020	
NOTE: .25mm Undersize Sets Contain .10mm Oversize Length Flanged Bearing,.50mm Undersize Set Contains .18mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .26mm Oversize Length Flanged Bearing,Contains Partial Grooved Main Bearings									
C/S Forging FE201									
Connecting Rod	48 To 51 Lbs.Ft.								
Main Bearing	61 To 65 Lbs.Ft.								
15	2209CC (2.2L) S2 OHV Diesel 4 Cyl (1982-1984)				3.504in./89mm x 3.504in./89mm			15	
Rod Bearing(4)	TM-1	CB-1441P	STD,.25mm,.50mm	2.0866/2.0874	0.0014/0.0035	0.0720	2.2321/2.2326	1.1280	
Main Bearing Set 1-2-4-5 3	TM-1	MS-1778P MB-3170P MB-3171P	.25mm	2.5587/2.5593 2.5587/2.5593	0.0016/0.0041 0.0016/0.0041	0.0780 0.0780	2.7165/2.7176 2.7165/2.7176	1.1300 1.1300	
NOTE: Requires Thrust Washer Set, Not Included									
Connecting Rod	50 To 54 Lbs.Ft.								
Main Bearing	80 To 85 Lbs.Ft.								
16	2261CC (2.3L) DOHC 16 Valve VVT 4 Cyl (2003-2005) 2261CC (2.3L) Duratec 23 DOHC Ford 4 Cyl (2005-2006)				3.444in./87.5mm x 3.701in./94mm 3.440in./87.4mm x 3.700in./94mm			16	
Rod Bearing(4)	AL-5	CB-1838AL	STD,.25mm,.50mm	1.9677/1.9685	0.0007/0.0029	0.0592	2.0876/2.0884	0.6650	
Rod Bearing(4)	AL-5	CB-1839AL-.25mm	.50mm	1.9677/1.9685	0.0007/0.0029	0.0602	2.0886/2.0904	0.6650	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									



MAZDA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
16 (Cont.)	2261CC (2.3L) DOHC 16 Valve VVT 4 Cyl (2003-2005)			3.444in./87.5mm x 3.701in./94mm				16 (Cont.)
	2261CC (2.3L) Duratec 23 DOHC Ford 4 Cyl (2005-2006)			3.440in./87.4mm x 3.700in./94mm				
Main Bearing Set 1-2-4-5 3	AL-5	MS-2245AL MB-3822AL MB-3823AL(F)	STD.,.25mm,.50mm	2.0464/2.0472 2.0464/2.0472	0.0006/0.0018 0.0006/0.0018	0.0992 0.0991	2.2448/2.2455 2.2448/2.2455	0.7519 1.0140
17	140 CID (2.3L) SOHC Ford 4 Cyl (1994-1997)			3.780in./96mm x 3.125in./79.4mm				17
Rod Bearing(4)	TM-77	CB-984P	STD.,.026mm,.25mm,.50mm,.75mm,1.00mm	2.0465/2.0472	0.0005/0.0030	0.0624	2.1720/2.1728	0.8000
Main Bearing Set 1-2-4-5 3	TM-77	MS-1743P MB-3137P MB-3130P(F)	STD.,.25mm,.50mm,.75mm	2.2051/2.2059 2.2051/2.2059	0.0008/0.0026 0.0008/0.0026	0.0956 0.0956	2.3971/2.3979 2.3971/2.3979	0.9500 1.1940
Cam Bearing Set 1-2-3-4	AL-3	SH-777S SH-777	STD	1.7712/1.7720	0.0010/0.0048	0.0638	1.9006/1.9016	0.7030
Aux. Shaft Bearing Set	B-1	SH-1095S	STD					
Front		SH-1095		1.6522/1.6530	0.0007/0.0047	0.0717	1.7968/1.7980	0.5100
Rear		SH-1096		1.6522/1.6530	0.0007/0.0047	0.0619	1.7772/1.7783	0.5100
Rod Forging	D42E-AA							
C/S Forging	D, 1D, 2D, 8F28, E88EAB, E89EAB, E8EEAB, E2ZE-BA, E88E-AB, E89E-AB, XBRO-1145							
Connecting Rod	30 To 36 Lbs.Ft.							
Main Bearing	80 To 90 Lbs.Ft.							
18	153 CID (2.5L) SOHC Ford 4 Cyl (1998-2001)			3.780in./96mm x 3.397in./86.3mm				18
Rod Bearing(4)	TM-77	CB-984P	STD.,.026mm,.25mm,.50mm,.75mm,1.00mm	2.0465/2.0472	0.0005/0.0030	0.0624	2.1720/2.1728	0.8000
Main Bearing Set 1-2-4-5 3	TM-77	MS-1743P MB-3137P MB-3130P(F)	STD.,.25mm,.50mm,.75mm	2.2051/2.2059 2.2051/2.2059	0.0008/0.0026 0.0008/0.0026	0.0956 0.0956	2.3971/2.3979 2.3971/2.3979	0.9500 1.1940
Cam Bearing Set 1-2-3-4	AL-3	SH-777S SH-777	STD	1.7712/1.7720	0.0010/0.0048	0.0638	1.9006/1.9016	0.7030
19	2555CC (2.6L) AM1 SOHC 4 Cyl (1987-1988)			3.587in./91.1mm x 3.858in./98mm				19
Rod Bearing(4)	AL-3	CB-1220P	STD.,.25mm,.50mm,.75mm,1.00mm	2.0858/2.0866	0.0005/0.0028	0.0590	2.2047/2.2055	0.9840
Main Bearing Set 1-2-4-5 3	AL-3	MS-1945AL MB-3053AL MB-3339AL(F)	STD.,.25mm,.50mm,.75mm	2.3614/2.3622 2.3614/2.3622	0.0011/0.0037 0.0011/0.0037	0.0783 0.0783	2.5197/2.5205 2.5197/2.5205	0.9890 1.2190
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Aux. Shaft Bearing Set	AL-3	SH-1429S	STD.,.25mm					
Left Front		SH-1760		0.9039/0.9047	0.0008/0.0034	0.0593	1.0236/1.0244	0.7090
Left/Right Rear		SH-1429		1.6933/1.6939	0.0013/0.0037	0.0585	1.8122/1.8130	0.7950
NOTE: Left Front Bushing Only Available In Std Size Even In Undersize Set Due To Small Shaft Diameter, Requires Boring The Left Front Balance Shaft Housing To 1.0236"/1.0244" Outside Diameter								
Connecting Rod	33 To 34 Lbs.Ft.							
Main Bearing	55 To 61 Lbs.Ft.							
20	2606CC (2.6L) G6 SOHC 4 Cyl (1989-1994)			3.622in./92mm x 3.858in./98mm				20
Rod Bearing(4)	AL-3	CB-1455AL	STD.,.25mm,.50mm,.75mm	2.0055/2.0061	0.0012/0.0026	0.0594	2.1261/2.1267	0.8320
Main Bearing Set 1-2-4-5 3	AL-3	MS-2035AL MB-3502AL MB-3503AL(F)	STD.,.25mm	2.3598/2.3602 2.3598/2.3602	0.0010/0.0022 0.0010/0.0022		2.5197/2.5203 2.5197/2.5203	0.7930 1.0240
Balance Shaft Bearing Set	AL-3	SH-1793S	STD					
RH; LH Center		SH-1794		1.5748		0.0780	1.7323	1.0236
RH; LH Front		SH-1793		1.6535		0.0785	1.8110	0.9055
RH; LH Rear		SH-1795		0.8268		0.0583	0.9449	0.6299
Connecting Rod	48 To 51 Lbs.Ft.							
Main Bearing	61 To 65 Lbs.Ft.							
21	2977CC (3.0L) HA Diesel 4 Cyl (1977-1990)			3.740in./95mm x 4.134in./105mm				21
	3455CC (3.5L) SA Diesel 4 Cyl (1984-1990)			3.937in./100mm x 4.330in./110mm				
Rod Bearing(4)	TM-1	CB-1364P	STD.,.25mm	2.4059/2.4065	0.0014/0.0035	0.0773	2.5522/2.5530	1.1220



MAZDA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
21 (Cont.)	2977CC (3.0L) HA Diesel 4 Cyl (1977-1990)			3.740in./95mm x 4.134in./105mm				21 (Cont.)
	3455CC (3.5L) SA Diesel 4 Cyl (1984-1990)			3.937in./100mm x 4.330in./110mm				
Main Bearing Set 1-2-3-4-5	TM-1	MS-1640P MB-3004P	STD	2.9846/2.9852	0.0022/0.0045	0.0828	3.1524/3.1532	1.1260
NOTE: Requires Thrust Washer Set, Not Included								
Connecting Rod	55 To 60 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
6 CYL								
22	1844CC (1.8L) K8D DOHC V6 Cyl (1992-1994)			2.953in./75mm x 2.740in./69.6mm				22
Rod Bearing(6)	TM-1	CB-1831P	STD,.25mm,.50mm	1.8872/1.8880	0.0008/0.0033	0.0595	2.0079/2.0085	0.6690
Main Bearing Set 1-2-3	TM-1	MS-2237P MB-3808P	STD,.25mm,.50mm	2.4382/2.4392	0.0013/0.0040	0.0986	2.6378/2.6384	0.7130
4		MB-3809P		2.4382/2.4392	0.0013/0.0040	0.0986	2.6378/2.6384	0.8710
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-616S								
Thrust Washer Set 4		TW-616S MB-3810W	STD	2.6870/2.6968			3.1398/3.1496	0.0810
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-2237P								
23	2254CC (2.3L) KJ DOHC Supercharged V6 Cyl (1995-1996)			3.160in./80.3mm x 2.921in./74.2mm				23
	2497CC (2.5L) KL-ZE DOHC V6 Cyl (1993-1998)			3.327in./84.5mm x 2.913in./74mm				
Rod Bearing(6)	TM-1	CB-1653P	STD,.25mm,.50mm	2.0843/2.0848	0.0009/0.0018	0.0595	2.2047/2.2053	0.6705
Main Bearing Set 1-2-3	TM-1	MS-2058AL MB-3545AL	STD,.25mm,.50mm	2.4382/2.4392	0.0015/0.0025	0.0980	2.6378/2.6384	0.7138
4		MB-3546AL		2.4382/2.4392	0.0015/0.0025	0.0980	2.6378/2.6384	0.8673
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-552S								
Thrust Washer Set		TW-552S MB-3347W	STD	2.6870			3.1496	0.0810
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-2058AL								
C/S Forging KL								
24	2954CC (3.0L) JE06 SOHC,JE07 SOHC V6 Cyl (1988-1989)			3.543in./90mm x 3.031in./77mm				24
	2954CC (3.0L) JE39 SOHC V6 Cyl (1990-1991)			3.543in./90mm x 3.031in./77mm				
	2954CC (3.0L) JE SOHC V6 Cyl (1989-1998)			3.543in./90mm x 3.031in./77mm				
Rod Bearing(6)	AL-3	CB-1592AL	STD,.25mm,.50mm	2.0842/2.0848	0.0009/0.0033	0.0595	2.2047/2.2053	0.6690
Main Bearing Set 1-2-3-4	AL-3	MS-1952P MB-3347P	STD,.25mm,.50mm	2.4385/2.4392	0.0008/0.0032	0.0792	2.5986/2.5992	0.7090
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-552S								
Thrust Washer Set		TW-552S MB-3347W	STD	2.6870			3.1496	0.0810
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1952P								
C/S Forging JE								
Connecting Rod	22 Lbs.Ft. Plus 90 Degrees							
Main Bearing	14 Lbs.Ft.; Plus 90 Degrees; Plus 45 Degrees							
25	2954CC (3.0L) JE27 DOHC V6 Cyl (1990-1991)			3.543in./90mm x 3.031in./77mm				25
	2954CC (3.0L) JE48 DOHC V6 Cyl (1992-1995)			3.543in./90mm x 3.031in./77mm				
Rod Bearing(6)	TM-1	CB-1653P	STD,.25mm,.50mm	2.0843/2.0848	0.0009/0.0018	0.0595	2.2047/2.2053	0.6705
Main Bearing Set 1-2-3-4	AL-3	MS-1952P MB-3347P	STD,.25mm,.50mm	2.4385/2.4392	0.0008/0.0032	0.0792	2.5986/2.5992	0.7090
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-552S								
Thrust Washer Set		TW-552S MB-3347W	STD	2.6870			3.1496	0.0810
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1952P								
C/S Forging JE, 09N, 1.9, 11M, 003K, 003N, 10-B, 1174N, 020201A1								
Connecting Rod	22 Lbs.Ft. Plus 90 Degrees							
Main Bearing	14 Lbs.Ft.; Plus 90 Degrees; Plus 45 Degrees							
26	181 CID/2967CC (3.0L) Duratec/DOHC/24 Valve Ford V6 Cyl (2001-2003)			3.504in./89mm x 3.130in./79.5mm				26
Rod Bearing(6)	TM-77	CB-1772P	STD,.25mm,.50mm,.75mm	1.9670/1.9680	0.0008/0.0034	0.0594	2.0872/2.0880	0.7080
Rod Bearing(6)	TM-77	CB-1845P-.25mm	.50mm,.75mm	1.9670/1.9680	0.0008/0.0034	0.0604	2.0892/2.0900	0.7080
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								



MAZDA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
26 (Cont.)	181 CID/2967CC (3.0L) Duratec/DOHC/24 Valve Ford V6 Cyl (2001-2003)				3.504in./89mm x 3.130in./79.5mm			26 (Cont.)
Main Bearing Set 1-2-3 4	TM-77	MS-2207P MB-3750P MB-3751P(F)	STD,.25mm,.50mm,.75mm	2.4790/2.4800 2.4790/2.4800	0.0003/0.0018 0.0003/0.0032	0.0987 0.0984	2.6771/2.6779 2.6771/2.6780	0.7060 0.8800
NOTE: Contains 1 Piece Thrust Washer Set And Lower Half Flanged Thrust Bearing, Use In Number 4 Position								
Piston Pin Bushing(6)	C-1	223-3651	STD	0.8280		0.1300	0.9510	0.8450
NOTE: Requires Light Reaming								
27	183 CID (3.0L) FFV/OHV Ford Flex V6 Cyl (1999-2001) 183 CID (3.0L) OHV Ford V6 Cyl (1994-2003)				3.504in./89mm x 3.150in./80mm 3.504in./89mm x 3.150in./80mm			27
Rod Bearing(6)	TM-77	CB-1385P	STD,.25mm,.50mm,.75mm	2.1253/2.1261	0.0010/0.0027	0.0618	2.2500/2.2508	0.7630
Main Bearing Set 1-2 3 4	TM-77	MS-1702P MB-3093P MB-3094P(F) MB-3095P	STD,.25mm,.50mm,.75mm	2.5190/2.5198 2.5190/2.5198 2.5190/2.5198	0.0010/0.0023 0.0010/0.0023 0.0010/0.0023	0.0962 0.0962 0.0962	2.7120/2.7128 2.7120/2.7128 2.7120/2.7128	0.7420 1.0110 1.0690
Cam Bearing Set 1 2-3 4	B-1	SH-1789S SH-1334 SH-1335 SH-1789	STD	2.0074/2.0084 2.0074/2.0084 2.0074/2.0084	0.0010/0.0030 0.0010/0.0030 0.0010/0.0030	0.0713 0.0614 0.0713	2.1531/2.1541 2.1334/2.1344 2.1531/2.1541	0.9650 0.5420 0.5470
Rod Forging C/S Forging	E6AE-AB F58E, F5DE, E6AE-A, E6AE-B, E6AE-C, E6AE-W, F58E-B, E6AE-AH, F58E-AA, F5AE-AA, RFE 6AE							
Connecting Rod Main Bearing	23 To 29 Lbs.Ft. 63 To 69 Lbs.Ft.							
28	4016CC (4.0L) OHV Ford V6 Cyl (1991-2000)				3.953in./100.4mm x 3.318in./84.3mm			28
Rod Bearing(6)	TM-77	CB-723P	STD,10,20,30,40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490
Rod Bearing(6)	TM-77	CB-1795P-10	20,30,40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4 3	AL-3	MS-2006P MB-3202P MB-3467P(F)	STD,10,20,30	2.2433/2.2441 2.2433/2.2441	0.0006/0.0032 0.0006/0.0032	0.0711 0.0711	2.3866/2.3874 2.3866/2.3874	0.8500 1.0350
Cam Bearing Set 1 2 3 4	B-1	SH-1441S SH-1441 SH-1442 SH-1443 SH-1444	STD	1.9516/1.9524 1.9374/1.9382 1.9224/1.9232 1.9071/1.9079	0.0010/0.0046 0.0008/0.0044 0.0008/0.0044 0.0010/0.0046	0.0617 0.0614 0.0614 0.0615	2.0768/2.0784 2.0618/2.0634 2.0468/2.0484 2.0319/2.0335	0.7800 0.7050 0.7050 0.5900
C/S Forging	AD, AY, 91K, A1D, A301, B301, 9166N, 97TM-, A-6303, 90-21-0, 90TM-AA, 90TM-AB, 91TM-AA, 96TM-AA, A-6303-A, 91A-6303-A, 91A-6303-B, 91H-6303-B							
Connecting Rod Main Bearing	18 To 24 Lbs.Ft. 66 To 77 Lbs.Ft.							
29	4016CC (4.0L) SOHC Ford V6 Cyl (2001-2005)				3.953in./100.4mm x 3.318in./84.3mm			29
Rod Bearing(6)	TM-77	CB-723P	STD,10,20,30,40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490
Rod Bearing(6)	TM-77	CB-1795P-10	20,30,40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4 3	AL-3	MS-2006P MB-3202P MB-3467P(F)	STD,10,20,30	2.2433/2.2441 2.2433/2.2441	0.0006/0.0032 0.0006/0.0032	0.0711 0.0711	2.3866/2.3874 2.3866/2.3874	0.8500 1.0350
Aux. Shaft Bearing Set Front Rear	B-1	SH-1977S SH-1977 SH-1978	STD			0.0610 0.0610	1.8522 1.8072	1.1420 0.9050

MERCEDES BENZ									
ENGINE DATA									
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block		
4 CYL				5 CYL					
1988CC (2.0L) OM615 Diesel	1972-1978	3.425in./87mmX3.307in./84mm	1	2998CC (3.0L) Diesel	1974-1978	3.583in./91mmX3.622in./92mm	2		
2197CC (2.2L) 615.912 Diesel	1971-1973	3.425in./87mmX3.622in./92mm	1	3005CC (3.0L) Diesel	1975-1976	3.583in./91mmX3.622in./92mm	2		
2197CC (2.2L) OM615 Diesel	1968-1973	3.425in./87mmX3.622in./92mm	1	3005CC (3.0L) Turbocharged Diesel	1975-1981	3.583in./91mmX3.622in./92mm	2		
2307CC (2.3L) 115.951	1974-1976	3.688in./93.7mmX3.307in./84mm	1	6 CYL					
2307CC (2.3L) 115.954	1977-1978	3.688in./93.7mmX3.307in./84mm	1	346 CID/5675CC (5.7L) OM352 Diesel	1965-1990	3.819in./97mmX5.039in./128mm	3		
2307CC (2.3L) M115	1974-1978	3.688in./93.7mmX3.307in./84mm	1	5675CC (5.7L) OM352A Turbocharged Diesel	1971-1976	3.819in./97mmX5.039in./128mm	3		
2399CC (2.4L) 616.912 Diesel	1979-1983	3.580in./90.9mmX3.622in./92mm	1						
2404CC (2.4L) 616.912 Diesel	1976-1978	3.583in./91mmX3.622in./92mm	1						
MODEL DATA									
Model	Engine	Years	Block	Model	Engine	Years	Block		
200D	1988CC (2.0L) OM615 Diesel	1972-1978	1	240D	2404CC (2.4L) 616.912 Diesel	1976-1978	1		
220D	2197CC (2.2L) OM615 Diesel	1968-1973	1	300D	3005CC (3.0L) 617.910 Diesel	1975-1976	2		
220D	2197CC (2.2L) 615.912 Diesel	1971-1973	1		346 CID/5675CC (5.7L) OM352 Diesel	1965-1990	3		
230	2307CC (2.3L) 115.954	1977-1978	1		5675CC (5.7L) OM352A Diesel	1971-1976	3		
230/4	2307CC (2.3L) 115.951	1974-1976	1						
240D	2399CC (2.4L) 616.912 Diesel	1979-1983	1						
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL									
1	1988CC (2.0L) OM615 Diesel 4 Cyl (1972-1978)				3.425in./87mm x 3.307in./84mm				1
	2197CC (2.2L) 615.912 Diesel 4 Cyl (1971-1973)				3.425in./87mm x 3.622in./92mm				
	2197CC (2.2L) OM615 Diesel 4 Cyl (1968-1973)				3.425in./87mm x 3.622in./92mm				
	2307CC (2.3L) 115.951 4 Cyl (1974-1976)				3.688in./93.7mm x 3.307in./84mm				
	2307CC (2.3L) 115.954 4 Cyl (1977-1978)				3.688in./93.7mm x 3.307in./84mm				
	2307CC (2.3L) M115 (1974-1978)				3.688in./93.7mm x 3.307in./84mm				
	2399CC (2.4L) 616.912 Diesel 4 Cyl (1979-1983)				3.580in./90.9mm x 3.622in./92mm				
	2404CC (2.4L) 616.912 Diesel 4 Cyl (1976-1978)				3.583in./91mm x 3.622in./92mm				
Rod Bearing(4)	TM-1	CB-1026P	STD.,25mm,.50mm	2.0455/2.0459	0.0015/0.0031	0.0711	2.1890/2.1897	1.0240	
NOTE: Upper And Lower Halves Are Plain Bearings									
Connecting Rod	28 Lbs.Ft. Plus 90 Degrees								
Main Bearing	65 Lbs.Ft.								
5 CYL									
2	2998CC (3.0L) Diesel 5 Cyl (1974-1978)				3.583in./91mm x 3.622in./92mm				2
	3005CC (3.0L) Diesel 5 Cyl (1975-1976)				3.583in./91mm x 3.622in./92mm				
	3005CC (3.0L) TURBO CHARGED DIESEL (1975-1981)				3.583in./91mm x 3.622in./92mm				
Rod Bearing(5)	TM-1	CB-1026P	STD.,25mm,.50mm	2.0455/2.0459	0.0015/0.0031	0.0711	2.1890/2.1897	1.0240	
NOTE: Upper And Lower Halves Are Plain Bearings									
6 CYL									
3	346 CID/5675CC (5.7L) OM352 Diesel 6 Cyl (1965-1990)				3.819in./97mm x 5.039in./128mm				3
	5675CC (5.7L) OM352A Turbocharged Diesel 6 Cyl (1971-1976)				3.819in./97mm x 5.039in./128mm				
Rod Bearing(6)	TM-1	CB-1177P	.25mm	2.3618/2.3628	0.0021/0.0049	0.0973	2.5590/2.5598	1.1580	



MILITARY STANDARD							
ENGINE DATA							
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block		
2 CYL			6 CYL (Cont.)				
MTHD 54 CID (0.9L)	3.250in./82.6mmX3.250in./82.6mm	1	185GM 209 CID (3.4L)	3.438in./87.3mmX3.750in./95.3mm	12		
3 CYL			265 Chrysler 265 CID (4.3L)	3.438in./87.3mmX4.750in./120.7mm	15		
3-53 Detroit Diesel 159 CID (2.6L)	3.875in./98.4mmX4.500in./114.3mm	2	Chevrolet Corvair 145 CID (2.4L)	3.438in./87.33mmX2.593in./65.9mm	10		
Diesel Supercharged			ENDT-673 Mack 672 CID (11.0L) Diesel Turbocharged	4.875in./123.8mmX6.000in./152.4mm	20		
4 CYL			FS218 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	13		
4MB-153 153 CID (2.5L)	3.438in./87.3mmX4.125in./104.8mm	4	FS244 244 CID/3996CC (4.0L)	3.438in./87.3mmX4.375in./111.1mm	13		
180GB 124 CID (2.0L)	3.250in./82.6mmX3.750in./95.3mm	4	IND-905A 199 CID (3.3L)	3.250in./82.6mmX4.000in./101.6mm	12		
180GM 139 CID (2.3L)	3.438in./87.3mmX3.750in./95.3mm	4	IND-908A 251 CID (4.1L)	3.438in./87.3mmX4.500in./114.3mm	12		
C152 International 152 CID (2.5L)	3.375in./85.7mmX4.250in./108mm	9	IND-931 230 CID (3.8L)	3.250in./82.6mmX4.625in./117.5mm	13		
F-Head 134 CID (2.2L)	3.125in./79.4mmX4.375in./111.1mm	6	JXAL2-ER 251 CID (4.1L)	3.438in./87.3mmX4.500in./114.3mm	12		
FS145 145 CID (2.4L)	3.250in./82.6mmX4.375in./111.1mm	8	JXLD-ER 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	12		
FS162 162 CID (2.7L)	3.438in./87.3mmX4.375in./111.1mm	8	L-Head Studebaker 170 CID (2.8L)	3.000in./76.2mmX4.000in./101.6mm	11		
IXB-ER 133 CID (2.2L)	3.250in./82.6mmX4.000in./101.6mm	3	L-Head Chrysler 230 CID (3.8L)	3.250in./82.6mmX4.625in./117.5mm	14		
JX4LD-ER 226 CID (3.7L)	4.000in./101.6mmX4.500in./114.3mm	4	LD478 Continental 478 CID (7.8L) Diesel	4.500in./114.3mmX4.875in./123.8mm	19		
L-Head 134 CID (2.2L)	3.125in./79.4mmX4.375in./111.1mm	6	LDS427 Continental 427 CID (7.0L) Diesel	4.313in./109.6mmX4.875in./123.8mm	19		
M151 Mutt (141.5) 142 CID (2.3L)	3.875in./98.4mmX3.000in./76.2mm	7	LDS478 Continental 478 CID (7.8L) Diesel	4.563in./115.9mmX4.875in./123.8mm	19		
MVE4D 92 CID (1.5L)	3.000in./76.2mmX3.250in./82.6mm	3	OHV General Motors 302 CID (5.0L)	4.000in./101.6mmX4.000in./101.6mm	16		
MVF4D 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	3	QXLD-ER 237 CID (3.9L)	3.438in./87.3mmX4.250in./108mm	13		
MVG4D 149 CID (2.4L)	3.438in./87.3mmX4.000in./101.6mm	4	U224 223 CID (3.7L)	3.438in./87.3mmX4.000in./101.6mm	12		
MVH4D 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	3	U225 251 CID (4.1L)	3.438in./87.3mmX4.500in./114.3mm	12		
VAE 124 CID (2.0L)	3.250in./82.6mmX3.750in./95.3mm	5	8 CYL				
6 CYL			8V-71 Detroit Diesel 568 CID (9.3L) Diesel	4.250in./108mmX5.000in./127mm	26		
6-71 Detroit Diesel 426 CID (7.0L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	18	8V-71 Detroit Diesel 568 CID (9.3L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	27		
6-244-MS 244 CID/3996CC (4.0L)	3.438in./87.3mmX4.375in./111.1mm	13	283 Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	23		
6-244-S 244 CID/3996CC (4.0L)	3.438in./87.3mmX4.375in./111.1mm	13	Chrysler 361 CID (5.9L)	4.125in./104.8mmX3.375in./85.7mm	24		
6MB-230 230 CID (3.8L)	3.438in./87.3mmX4.125in./104.8mm	12	Ford 534 CID (8.8L)	4.500in./114.3mmX4.200in./106.7mm	25		
6V-53 Detroit Diesel 318 CID (5.2L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	17	L-Head Ford 239 CID (3.9L)	3.188in./80.98mmX3.750in./95.3mm	22		
145GKU Waukesha 779 CID (12.8L)	5.250in./133.4mmX6.000in./152.4mm	21					
145GZ Waukesha 817 CID (13.4L)	5.375in./136.5mmX6.000in./152.4mm	21					
185GB 187 CID (3.1L)	3.250in./82.6mmX3.750in./95.3mm	12					
MODEL DATA							
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
72-40	Military Vehicle	426 CID (7.0L) 6-71 Detroit Diesel Diesel	18		Engine	244 CID/3996CC (4.0L) FS244	13
905A	Engine	265 CID (4.3L) 265 Chrysler	15		Engine	251 CID (4.1L) U225	12
908A	Engine	265 CID (4.3L) 265 Chrysler	15	Commando	Engine	339 CID (5.6L) JXLD-ER	12
931	Engine	230 CID (3.8L) L-Head Chrysler	14	GOER	Military Vehicle	361 CID (5.9L) Chrysler	24
	Engine	54 CID (0.9L) MTHD	1		Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	27
	Engine	92 CID (1.5L) MVE4D	3	H90C	Engine	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17
	Engine	108 CID (1.8L) MVH4D	3		Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17
	Engine	124 CID (2.0L) VAE	5	LD-465-1	Engine	478 CID (7.8L) LD478 Continental Diesel	19
	Engine	133 CID (2.2L) IXB-ER	3		Engine	427 CID (7.0L) LDS427 Continental Diesel	19
	Engine	139 CID (2.3L) 180GM	4	LDS-427-2	Engine	478 CID (7.8L) LDS478 Continental Diesel	19
	Engine	142 CID (2.3L) M151 Mutt (141.5)	7	LDS-465-1	Engine	817 CID (13.4L) 145GZ Waukesha	21
	Engine	145 CID (2.4L) FS145	8	M4	Military Vehicle	817 CID (13.4L) 145GZ Waukesha	21
	Engine	149 CID (2.4L) MVG4D	4		Military Vehicle	817 CID (13.4L) 145GZ Waukesha	21
	Engine	153 CID (2.5L) 4MB-153	4	M4A1	Military Vehicle	817 CID (13.4L) 145GZ Waukesha	21
	Engine	162 CID (2.7L) FS162	8		Military Vehicle	817 CID (13.4L) 145GZ Waukesha	21
	Engine	187 CID (3.1L) 185GB	12	M4A1C	Military Vehicle	817 CID (13.4L) 145GZ Waukesha	21
	Engine	199 CID (3.3L) IND-905A	12		Military Vehicle	817 CID (13.4L) 145GZ Waukesha	21
	Engine	209 CID (3.4L) 185GM	12	M4A2	Military Vehicle	817 CID (13.4L) 145GZ Waukesha	21
	Engine	218 CID (3.6L) FS218	13		Military Vehicle	817 CID (13.4L) 145GZ Waukesha	21
	Engine	223 CID (3.7L) U224	12	M4C	Military Vehicle	817 CID (13.4L) 145GZ Waukesha	21
	Engine	226 CID (3.7L) JX4LD-ER	4				
	Engine	230 CID (3.8L) IND-931	13				
	Engine	237 CID (3.9L) QXLD-ER	13				

MILITARY STANDARD (Cont.)
MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
M29	Military Vehicle	170 CID (2.8L) L-Head Studebaker	11	M114A1	Military Vehicle	283 CID (4.6L) 283 Chevrolet	23
M29C	Military Vehicle	170 CID (2.8L) L-Head Studebaker	11	M116	Military Vehicle	283 CID (4.6L) 283 Chevrolet	23
M35AZ	Military Vehicle	478 CID (7.8L) LDS478 Continental Diesel	19	M123	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	27
M37	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14	M132A1	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17
M37B1	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14	M133	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M38	Military Vehicle	134 CID (2.2L) L-Head	6	M135	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M38A1	Military Vehicle	134 CID (2.2L) F-Head	6	M170	Military Vehicle	134 CID (2.2L) F-Head	6
M38A1C	Military Vehicle	134 CID (2.2L) F-Head	6	M201	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14
M38A1E2	Military Vehicle	134 CID (2.2L) F-Head	6	M201B1	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14
M42	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14	M207	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M43	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14	M207C	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M43B1	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14	M211	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M44AZ	Military Vehicle	478 CID (7.8L) LDS478 Continental Diesel	19	M215	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M50	Military Vehicle	302 CID (5.0L) OHV General Motors	16	M217	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M51AZ	Military Vehicle	478 CID (7.8L) LDS478 Continental Diesel	19	M217C	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M52	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17	M220	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M52A1	Military Vehicle	672 CID (11.0L) ENDT-673 Mack Diesel	20	M220C	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M52AZ	Military Vehicle	478 CID (7.8L) LDS478 Continental Diesel	19	M220D	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M54A1	Military Vehicle	672 CID (11.0L) ENDT-673 Mack Diesel	20	M221	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M54AZ	Military Vehicle	478 CID (7.8L) LDS478 Continental Diesel	19	M222	Military Vehicle	302 CID (5.0L) OHV General Motors	16
M54E3	Military Vehicle	672 CID (11.0L) ENDT-673 Mack Diesel	20	M301	Military Vehicle	779 CID (12.8L) 145GKU Waukesha	21
M55AZ	Military Vehicle	478 CID (7.8L) LDS478 Continental Diesel	19	M410	Military Vehicle	361 CID (5.9L) Chrysler	24
M56	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14	M435E2	Military Vehicle	534 CID (8.8L) Ford	25
M56B1	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14	M437E1	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	27
M56C	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14	M474E2	Military Vehicle	361 CID (5.9L) Chrysler	24
M59	Military Vehicle	302 CID (5.0L) OHV General Motors	16	M506	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14
M61AZ	Military Vehicle	478 CID (7.8L) LDS478 Continental Diesel	19	M546	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17
M84	Military Vehicle	302 CID (5.0L) OHV General Motors	16	M546	Military Vehicle	361 CID (5.9L) Chrysler	24
M106	Military Vehicle	361 CID (5.9L) Chrysler	24	M548	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17
M106A1	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17	M551	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17
M106E1	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17	M557	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17
M107	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	27	M557E1	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17
M108	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	27	M561	Military Vehicle	145 CID (2.4L) Chevrolet Corvair	10
M109	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	27	M561	Military Vehicle	159 CID (2.6L) 3-53 Detroit Diesel Diesel	2
M110	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	27	M577	Military Vehicle	361 CID (5.9L) Chrysler	24
M113	Military Vehicle	361 CID (5.9L) Chrysler	24	M577A1	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17
M113A1	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17	M578	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	27
M113E2	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17	M601	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14



MILITARY STANDARD (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
M656	Military Vehicle	478 CID (7.8L) LDS478 Continental Diesel	19	T257	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17
M701	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	27	T257	Military Vehicle	361 CID (5.9L) Chrysler	24
M715	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14	T-16	Military Vehicle	239 CID (3.9L) L-Head Ford	22
M725	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14	T-59	Military Vehicle	302 CID (5.0L) OHV General Motors	16
MOFAB	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	27	T-114	Military Vehicle	283 CID (4.6L) 283 Chevrolet	23
MU3A1	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17	T-122	Military Vehicle	318 CID (5.2L) 6V-53 Detroit Diesel Diesel	17
MX-3029	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14	T-122	Military Vehicle	361 CID (5.9L) Chrysler	24
SATS	Military Vehicle	159 CID (2.6L) 3-53 Detroit Diesel Diesel	2	U4	Military Vehicle	152 CID (2.5L) C152 International	9
T195E1	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	27	V41/GT	Military Vehicle	230 CID (3.8L) L-Head Chrysler	14
T196E1	Military Vehicle	568 CID (9.3L) 8V-71 Detroit Diesel Diesel	27	XM474E2	Military Vehicle	361 CID (5.9L) Chrysler	24

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1BA	3.750in./95.3mm	22	666746	4.750in./120.7mm	15	3703527	3.000in./76.2mm	23	6107428	4.000in./101.6mm	16
8BA-6200B	3.750in./95.3mm	22	868896	4.625in./117.5mm	14	3784000	3.000in./76.2mm	23	6255633	2.593in./65.9mm	10
8CM-6200B	3.750in./95.3mm	22	952118	4.625in./117.5mm	14	3815281	3.000in./76.2mm	23	6255633	4.000in./101.6mm	16
29A-6200	3.750in./95.3mm	22	954371	4.625in./117.5mm	14	3817209	2.593in./65.9mm	10	B9TE	4.200in./106.7mm	25
99A-6200	3.750in./95.3mm	22	954408	4.625in./117.5mm	14	3817294	2.593in./65.9mm	10	DA-65	3.250in./82.6mm	3
367GC-468F	6.000in./152.4mm	20	954418	4.750in./120.7mm	15	3817297	2.593in./65.9mm	10	EBU	3.750in./95.3mm	22
9410	4.625in./117.5mm	14	954428	4.750in./120.7mm	15	3819695	2.593in./65.9mm	10	EBU-6200A	3.750in./95.3mm	22
43785	4.250in./108mm	9	1400244	4.750in./120.7mm	15	5121248	4.500in./114.3mm	2	EBU-6205-A	3.750in./95.3mm	22
43785B	4.250in./108mm	9	1554471	4.625in./117.5mm	14	5128158	4.500in./114.3mm	17	ECC-6205A	3.750in./95.3mm	22
195123	4.000in./101.6mm	11	1554530	4.625in./117.5mm	14	5133009	4.500in./114.3mm	17	ECC-6205B	3.750in./95.3mm	22
199829	4.000in./101.6mm	11	1618699	3.375in./85.7mm	24	5135051	5.000in./127mm	26	ECE-6205-A	3.750in./95.3mm	22
517892	4.000in./101.6mm	11	1737692	3.375in./85.7mm	24	5135051	5.000in./127mm	27	ECZ-6205B	3.750in./95.3mm	22
617925	4.625in./117.5mm	14	1851535	3.375in./85.7mm	24	5144384	5.000in./127mm	26	EDC-6205A	3.750in./95.3mm	22
636960	4.375in./111.1mm	6	2135419	4.000in./101.6mm	16	5144384	5.000in./127mm	27	EDL	4.200in./106.7mm	25
640068	4.375in./111.1mm	6	2341204	4.000in./101.6mm	16	5144469	5.000in./127mm	18	L478C-400	4.875in./123.8mm	19
641770	4.375in./111.1mm	6	2406782	3.375in./85.7mm	24	5150059	4.000in./101.6mm	16			
665679	4.750in./120.7mm	15	2951908	3.375in./85.7mm	24	5150093	5.000in./127mm	18			
666743	4.625in./117.5mm	14	3703526	3.000in./76.2mm	23	5154265	5.000in./127mm	18			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1BA	3.750in./95.3mm	22	176524	4.000in./101.6mm	11	1739589	4.625in./117.5mm	14	3751877	3.375in./85.7mm	24
1BA-6303-A	3.750in./95.3mm	22	186433	4.000in./101.6mm	11	1851527	3.375in./85.7mm	24	3817293	2.593in./65.9mm	10
1BA-6303-B	3.750in./95.3mm	22	189517	4.000in./101.6mm	11	2090911	4.000in./101.6mm	16	3835236TG	3.000in./76.2mm	23
2BA	3.750in./95.3mm	22	199966	4.000in./101.6mm	11	2135416	4.000in./101.6mm	16	3836236	3.000in./76.2mm	23
6-71	5.000in./127mm	18	310372	4.375in./111.1mm	6	2136119	4.000in./101.6mm	16	3836266	3.000in./76.2mm	23
8BA	3.750in./95.3mm	22	511706	5.000in./127mm	26	2192941	4.000in./101.6mm	16	3837266	3.000in./76.2mm	23
29A-6303A	3.750in./95.3mm	22	511706	5.000in./127mm	27	2194012	4.000in./101.6mm	16	3838266	3.000in./76.2mm	23
29B-6303B	3.750in./95.3mm	22	521525	4.000in./101.6mm	11	2194570	4.000in./101.6mm	16	3849847	3.000in./76.2mm	23
99A-6303	3.750in./95.3mm	22	630320	4.375in./111.1mm	6	2194958	4.000in./101.6mm	16	3876764	3.000in./76.2mm	23
456GC-518A	6.000in./152.4mm	20	635280	4.375in./111.1mm	6	2203155	3.375in./85.7mm	24	3876768	3.000in./76.2mm	23
456GC-518E	6.000in./152.4mm	20	635380	4.375in./111.1mm	6	2203157	3.375in./85.7mm	24	4027172	3.375in./85.7mm	24
456GC-518F	6.000in./152.4mm	20	638121	4.375in./111.1mm	6	2206157	3.375in./85.7mm	24	5103281	5.000in./127mm	26
456GC-518G	6.000in./152.4mm	20	641127	4.375in./111.1mm	6	2206159	3.375in./85.7mm	24	5103281	5.000in./127mm	27
456GC-543	6.000in./152.4mm	20	646318	4.375in./111.1mm	6	2342204	4.000in./101.6mm	16	5116022	4.500in./114.3mm	2
456GC-545	6.000in./152.4mm	20	864718	4.625in./117.5mm	14	2342664	4.000in./101.6mm	16	5116029	4.500in./114.3mm	2
456GC-545A	6.000in./152.4mm	20	868929	4.625in./117.5mm	14	2362229	4.000in./101.6mm	16	5116030	4.500in./114.3mm	17
1178	3.000in./76.2mm	23	883550	4.000in./101.6mm	16	2404929	4.000in./101.6mm	16	5132942	4.000in./101.6mm	16
3279	3.000in./76.2mm	23	1185539	4.625in./117.5mm	14	2482923	3.375in./85.7mm	24	5144867	5.000in./127mm	26
6764	3.000in./76.2mm	23	1400188	4.750in./120.7mm	15	2491012	4.000in./101.6mm	16	5144867	5.000in./127mm	27
8409	2.593in./65.9mm	10	1400718	4.750in./120.7mm	15	3462923	3.375in./85.7mm	24	5154256	5.000in./127mm	18
43734D	4.250in./108mm	9	1547105	4.000in./101.6mm	11	3727449	3.000in./76.2mm	23	5155255	5.000in./127mm	18
43734DB	4.250in./108mm	9	1550774	4.000in./101.6mm	11	3727499	3.000in./76.2mm	23	5160034	5.000in./127mm	18
43734DC	4.250in./108mm	9	1557708	4.625in./117.5mm	14	3729449	3.000in./76.2mm	23	5173988	5.000in./127mm	18
43734DD	4.250in./108mm	9	1737641	3.375in./85.7mm	24	3734627	3.000in./76.2mm	23	5179067	5.000in./127mm	18
60889HC	4.250in./108mm	9	1737642	3.375in./85.7mm	24	3735236	3.000in./76.2mm	23	5182940	5.000in./127mm	18



MILITARY STANDARD (Cont.)											
CRANKSHAFT FORGING NUMBERS (Cont.)											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
6116028	4.500in./114.3mm	2	C1TE-6303C	4.200in./106.7mm	25	CA-70	3.250in./82.6mm	3	EDN-6303A	4.200in./106.7mm	25
6255607	2.593in./65.9mm	10	C1TE-C	4.200in./106.7mm	25	CA-71-C	3.250in./82.6mm	3	GPW	4.375in./111.1mm	6
A-399	4.500in./114.3mm	17	C2TE-A	4.200in./106.7mm	25	EAB	3.750in./95.3mm	22	LD427C-501	4.875in./123.8mm	19
BA-6303	3.750in./95.3mm	22	C2TE-B	4.200in./106.7mm	25	EAF	4.375in./111.1mm	6	OBA	3.750in./95.3mm	22
C1TE-6303-C	4.200in./106.7mm	25	CA-68	3.250in./82.6mm	3	EDN	4.200in./106.7mm	25			
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length			
2 CYL											
1	54 CID (0.9L) MTHD 2 Cyl						3.250in./82.6mm x 3.250in./82.6mm				1
Rod Bearing(2)	TM-112	CB-556P	STD,10,20	1.8090/1.8100	0.0014/0.0044	0.0628	1.9365/1.9375	1.0050			
NOTE: C.O.E. Number MS-13995-1											
3 CYL											
2	159 CID (2.6L) 3-53 Detroit Diesel Supercharged Diesel 3 Cyl						3.875in./98.4mm x 4.500in./114.3mm				2
Rod Bearing(3)	TM-112	CB-1265P	STD,10,20,30,40	2.4990/2.5000	0.0020/0.0050	0.1250	2.7515/2.7525	1.3200			
Main Bearing(4)	TM-112	MB-1897P	STD,10,20,30	2.9990/3.0000	0.0013/0.0043	0.1250	3.2510/3.2520	1.1850			
Thrust Washer Set		TW-412S MB-2522W	STD	3.3380/3.3480			4.2700/4.2800	0.1220			
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MB-1897P											
Cam Bearing Set	C-1	SH-699S	STD	2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100			
1-3		SH-686		2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100			
2		SH-687									
NOTE: Contains Camshaft And Balance Shaft Bearings											
Piston Pin Bushing(3)	C-1	223-3622	STD			0.1225	1.6005/1.6010	0.7550			
NOTE: Requires Boring											
Rod Forging	5121248										
C/S Forging	5116022, 5116029, 6116028										
Connecting Rod	40 To 45 Lbs.Ft.										
Main Bearing	120 To 130 Lbs.Ft.										
4 CYL											
3	92 CID (1.5L) MVE4D 4 Cyl 108 CID (1.8L) MVF4D,MVH4D 4 Cyl 133 CID (2.2L) IXB-ER 4 Cyl						3.000in./76.2mm x 3.250in./82.6mm 3.250in./82.6mm x 3.250in./82.6mm 3.250in./82.6mm x 4.000in./101.6mm				3
Rod Bearing(4)	TM-112	CB-556P	STD,10,20	1.8090/1.8100	0.0014/0.0044	0.0628	1.9365/1.9375	1.0050			
NOTE: C.O.E. Number MS-13995-1											
Rod Forging	DA-65										
C/S Forging	CA-68, CA-70, CA-71-C										
4	124 CID (2.0L) 180GB 4 Cyl 139 CID (2.3L) 180GM 4 Cyl 149 CID (2.4L) MVG4D 4 Cyl 153 CID (2.5L) 4MB-153 4 Cyl 226 CID (3.7L) JX4LD-ER 4 Cyl						3.250in./82.6mm x 3.750in./95.3mm 3.438in./87.3mm x 3.750in./95.3mm 3.438in./87.3mm x 4.000in./101.6mm 3.438in./87.3mm x 4.125in./104.8mm 4.000in./101.6mm x 4.500in./114.3mm				4
Rod Bearing(4)	TM-77	CB-579P	STD,10,20	2.1232/2.1240	0.0005/0.0031	0.0628	2.2495/2.2500	1.1900			
NOTE: C.O.E. Number MS-13993-1											
5	124 CID (2.0L) VAE 4 Cyl						3.250in./82.6mm x 3.750in./95.3mm				5
Rod Bearing(4)	TM-112	CB-533P	STD,10,20,30	2.0590/2.0600	0.0014/0.0039	0.0628	2.1865/2.1870	1.0670			
NOTE: C.O.E. Number MS-13994-1											
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250			
NOTE: Requires Light Reaming											
6	134 CID (2.2L) F-Head,L-Head 4 Cyl						3.125in./79.4mm x 4.375in./111.1mm				6
Rod Bearing(4)	TM-77	CB-236P	STD,10,20,30,40,50,C60	1.9375/1.9383	0.0008/0.0030	0.0523	2.0432/2.0440	1.0990			
NOTE: From Engine Serial Number 88769, Naturally Aspirated											
Main Bearing Set	TM-77	MS-115P	STD,10,20,30,40	2.3331/2.3341	0.0006/0.0032	0.0823	2.4990/2.5000	1.9210			
1		MB-883P(F)		2.3331/2.3341	0.0006/0.0032	0.0773	2.4890/2.4900	1.8170			
2		MB-884P		2.3331/2.3341	0.0006/0.0032	0.0723	2.4790/2.4800	1.7550			
3		MB-885P									
NOTE: Naturally Aspirated											



MILITARY STANDARD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
6 (Cont.)	134 CID (2.2L) F-Head,L-Head 4 Cyl			3.125in./79.4mm x 4.375in./111.1mm				6 (Cont.)
Cam Bearing Set	B-1	SH-69S SH-69	STD	2.1855/2.1860	0.0010/0.0040	0.0640	2.3165/2.3175	1.1350
NOTE: Contains 1 Bearing, Order As Required, Naturally Aspirated								
Rod Forging	636960, 640068, 641770							
C/S Forging	EAF, GPW, 310372, 630320, 635280, 635380, 638121, 641127, 646318							
Connecting Rod	35 To 45 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	50 To 55 Lbs.Ft. (7/16" Bolts)							
Main Bearing	65 To 75 Lbs.Ft.							
7	142 CID (2.3L) M151 Mutt (141.5) 4 Cyl			3.875in./98.4mm x 3.000in./76.2mm				7
Rod Bearing(4)	TM-77	CB-985P	STD,10,20,30	1.9982/1.9990	0.0007/0.0033	0.0625	2.1242/2.1250	0.7890
NOTE: C.O.E. Numbers 8754476 and 36003C								
Main Bearing Set	TM-77	MS-1111P	STD,10,20					
1-3		MB-2652P		2.2487/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.1450
2		MB-2653P(F)		2.2487/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.8170
NOTE: C.O.E. Numbers 5702200, 8754648 and 8754649								
Cam Bearing Set	B-1	SH-732S SH-732	STD	2.0090/2.0100	0.0005/0.0045	0.0628	2.1360/2.1370	1.0100
1-2-3								
NOTE: C.O.E. Number 8754608								
8	145 CID (2.4L) FS145 4 Cyl			3.250in./82.6mm x 4.375in./111.1mm				8
	162 CID (2.7L) FS162 4 Cyl			3.438in./87.3mm x 4.375in./111.1mm				
Rod Bearing(4)	TM-112	CB-533P	STD,10,20,30	2.0590/2.0600	0.0014/0.0039	0.0628	2.1865/2.1870	1.0670
NOTE: C.O.E. Number MS-13994-1								
9	152 CID (2.5L) C152 International 4 Cyl			3.375in./85.7mm x 4.250in./108mm				9
Rod Bearing(4)	TM-77	CB-207P	STD,2,10,20	2.2475/2.2485	0.0015/0.0040	0.1003	2.4500/2.4510	1.2340
Main Bearing Set	TM-77	MS-154P	STD,2,10,20					
1-3		MB-1060P		2.4975/2.4985	0.0013/0.0038	0.1252	2.7500/2.7510	1.5000
2		MB-1061P(F)		2.4975/2.4985	0.0013/0.0038	0.1252	2.7500/2.7510	1.9950
Cam Bearing Set	B-1	SH-354S	STD					
1		SH-354		1.9305/1.9315	0.0010/0.0050	0.0643	2.0610/2.0625	1.3230
2		SH-355		1.8055/1.8065	0.0010/0.0050	0.0643	1.9360/1.9375	1.3850
3		SH-356		1.3680/1.3690	0.0010/0.0050	0.0643	1.4985/1.5000	1.0100
Rod Forging	43785, 43785B							
C/S Forging	43734D, 43734DB, 43734DC, 43734DD, 60889HC							
Connecting Rod	40 To 50 Lbs.Ft.							
Main Bearing	75 To 80 Lbs.Ft.							
6 CYL								
10	145 CID (2.4L) Chevrolet Corvair 6 Cyl			3.438in./87.33mm x 2.593in./65.9mm				10
Rod Bearing(6)	TM-77	CB-584P	STD,1,10,20	1.7990/1.8000	0.0012/0.0037	0.0620	1.9247/1.9252	0.6840
Main Bearing Set	TM-77	MS-584P	STD,10					
1		MB-2004P(F)		2.0978/2.0988	0.0013/0.0043	0.0945	2.2880/2.2890	0.9970
2-3		MB-2005P		2.0978/2.0988	0.0007/0.0037	0.0950	2.2880/2.2890	0.8070
4		MB-2111P		2.0978/2.0988	0.0007/0.0037	0.0950	2.2880/2.2890	0.8070
NOTE: Contains Full Flanged Bearing								
Main Bearing Set	TM-77	MS-1670P	STD,10					
1		MB-2004G(F)		2.0978/2.0988	0.0013/0.0043	0.0945	2.2880/2.2890	0.9970
2-3		MB-2005P		2.0978/2.0988	0.0007/0.0037	0.0950	2.2880/2.2890	0.8070
4		MB-2111P		2.0978/2.0988	0.0007/0.0037	0.0950	2.2880/2.2890	0.8070
NOTE: Contains Half Flanged Bearing								
Rod Forging	3817209, 3817294, 3817297, 3819695, 6255633							
C/S Forging	8409, 3817293, 6255607							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	42 To 48 Lbs.Ft. (7/16"-20 Bolts)							
Main Bearing	7 To 13 Lbs.Ft. (5/16"-18 Bolts)							
11	170 CID (2.8L) L-Head Studebaker 6 Cyl			3.000in./76.2mm x 4.000in./101.6mm				11
Rod Bearing(6)	TM-77	CB-286P	STD,10	1.8117/1.8127	0.0006/0.0027	0.0566	1.9260/1.9265	0.9100
NOTE: Early Original Equipment Babbitted Connecting Rods Can Be Replaced With Later Insert Type Connecting Rods								



MILITARY STANDARD (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)									
11 (Cont.)	170 CID (2.8L) L-Head Studebaker 6 Cyl				3.000in./76.2mm x 4.000in./101.6mm				11 (Cont.)
Rod Forging	195123, 199829, 517892								
C/S Forging	176524, 186433, 189517, 199966, 521525, 1547105, 1550774								
Connecting Rod	28 To 32 Lbs.Ft.								
12	187 CID (3.1L) 185GB 6 Cyl				3.250in./82.6mm x 3.750in./95.3mm				12
	199 CID (3.3L) IND-905A 6 Cyl				3.250in./82.6mm x 4.000in./101.6mm				
	209 CID (3.4L) 185GM 6 Cyl				3.438in./87.3mm x 3.750in./95.3mm				
	223 CID (3.7L) U224 6 Cyl				3.438in./87.3mm x 4.000in./101.6mm				
	230 CID (3.8L) 6MB-230 6 Cyl				3.438in./87.3mm x 4.125in./104.8mm				
	251 CID (4.1L) IND-908A,JXAL2-ER,U225 6 Cyl				3.438in./87.3mm x 4.500in./114.3mm				
	339 CID (5.6L) JXLD-ER 6 Cyl				4.000in./101.6mm x 4.500in./114.3mm				
Rod Bearing(6)	TM-77	CB-579P	STD,10,20		2.1232/2.1240	0.0005/0.0031	0.0628	2.2495/2.2500	1.1900
NOTE: C.O.E. Number MS-13993-1									
13	218 CID (3.6L) FS218 6 Cyl				3.250in./82.6mm x 4.375in./111.1mm				13
	230 CID (3.8L) IND-931 6 Cyl				3.250in./82.6mm x 4.625in./117.5mm				
	237 CID (3.9L) QXLD-ER 6 Cyl				3.438in./87.3mm x 4.250in./108mm				
	244 CID/3996CC (4.0L) 6-244-MS,6-244-S,FS244 6 Cyl				3.438in./87.3mm x 4.375in./111.1mm				
Rod Bearing(6)	TM-112	CB-533P	STD,10,20,30		2.0590/2.0600	0.0014/0.0039	0.0628	2.1865/2.1870	1.0670
NOTE: C.O.E. Number MS-13994-1									
14	230 CID (3.8L) L-Head Chrysler 6 Cyl				3.250in./82.6mm x 4.625in./117.5mm				14
Rod Bearing(6)	TM-77	CB-60G	STD,10,20,30,40,50,60		2.0615/2.0625	0.0006/0.0027	0.0525	2.1675/2.1680	1.0050
Main Bearing Set	TM-77	MS-523P-10	20,30						
1		MB-2011P			2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.2400
2-3		MB-2012P			2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.0360
4		MB-122P(F)			2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-23S	STD						
1		SH-23			1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-24			1.9665/1.9675	0.0010/0.0050	0.0650	2.0985/2.0995	0.8820
3		SH-25			1.9350/1.9360	0.0010/0.0050	0.0650	2.0670/2.0680	0.8820
Piston Pin Bushing(6)	B	223-3349	STD				0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming									
Piston Pin Bushing(6)	B	223-3605	STD				0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring									
Rod Forging	9410, 617925, 666743, 868896, 952118, 954371, 954408, 1554471, 1554530								
C/S Forging	864718, 868929, 1185539, 1557708, 1739589								
Connecting Rod	45 To 50 Lbs.Ft. (3/8" Bolts)								
Connecting Rod	50 To 75 Lbs.Ft. (7/16" Bolts)								
Main Bearing	80 To 85 Lbs.Ft.								
15	265 CID (4.3L) 265 Chrysler 6 Cyl				3.438in./87.3mm x 4.750in./120.7mm				15
Rod Bearing(6)	TM-77	CB-90P	STD,1,10,20,30,40,C60		2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	1.0850
Main Bearing Set	TM-77	MS-107P	STD,10,20						
1-2-3		MB-327P			2.4995/2.5005	0.0011/0.0036	0.0776	2.6565/2.6570	1.1810
4		MB-328P(F)			2.4995/2.5005	0.0017/0.0042	0.0774	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-37S	STD						
1		SH-23			1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-37			1.9665/1.9675	0.0005/0.0045	0.0652	2.0985/2.0995	1.0700
3		SH-38			1.9350/1.9360	0.0005/0.0044	0.0653	2.0670/2.0680	1.0690
Piston Pin Bushing(6)	B	223-3349	STD				0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming									
Piston Pin Bushing(6)	B	223-3605	STD				0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring									
Rod Forging	665679, 666746, 954418, 954428, 1400244								
C/S Forging	1400188, 1400718								
Connecting Rod	40 To 45 Lbs.Ft.								
Main Bearing	80 To 85 Lbs.Ft.								



MILITARY STANDARD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
16	302 CID (5.0L) OHV General Motors 6 Cyl			4.000in./101.6mm x 4.000in./101.6mm				16
Rod Bearing(6)	TM-77	CB-427P	STD,10,20,30,40	2.3110/2.3120	0.0008/0.0033	0.0720	2.4563/2.4568	1.1070
NOTE: Connecting Rod With .160" Wide Locking Lip Slot								
Cam Bearing Set	B-1	SH-209S	STD,10					
1		SH-33		2.0282/2.0292	0.0005/0.0050	0.0649	2.1590/2.1610	1.1350
2		SH-34		1.9657/1.9667	0.0005/0.0050	0.0649	2.0965/2.0985	0.9470
3		SH-35		1.9032/1.9042	0.0005/0.0050	0.0649	2.0340/2.0360	0.9470
4		SH-209		1.8407/1.8417	0.0005/0.0050	0.0649	1.9715/1.9735	0.9470
Rod Forging	2135419, 2341204, 5150059, 6107428, 6255633							
C/S Forging	883550, 2090911, 2135416, 2136119, 2192941, 2194012, 2194570, 2194958, 2342204, 2342664, 2362229, 2404929, 2491012, 5132942							
Connecting Rod	40 To 50 Lbs.Ft.							
Main Bearing	90 To 100 Lbs.Ft.							
17	318 CID (5.2L) 6V-53 Detroit Diesel Supercharged Diesel V6 Cyl			3.875in./98.4mm x 4.500in./114.3mm				17
Rod Bearing(6)	TM-112	CB-674P	STD,10,20,30	2.7490/2.7500	0.0016/0.0046	0.1252	3.0015/3.0025	1.1100
Main Bearing Set	TM-112	MS-506P	STD,10,20					
1-2-3-4		MB-1931P		3.4990/3.5000	0.0023/0.0053	0.1245	3.7510/3.7520	1.0050
4		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Thru Engine Serial Number 6D-17960, 1 Oil Hole In Upper Half Bearing,Contains 4 Piece Thrust Washer Set, Use In Number 4 Position								
Main Bearing Set	TM-112	MS-885P	STD,10,20,30					
1-2-3-4		MB-2474P		3.4990/3.5000	0.0023/0.0053	0.1245	3.7510/3.7520	1.0050
4		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: From Engine Serial Number 6D-17961, 7 Oil Holes In Upper Half Bearing,Contains 4 Piece Thrust Washer Set, Use In Number 4 Position								
Thrust Washer Set		TW-411S	STD					
		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 4								
Cam Bearing Set	C-1	SH-701S	STD					
1-4		SH-686		2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100
2-3		SH-687		2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings								
Piston Pin Bushing(6)	C-1	223-3622	STD			0.1225	1.6005/1.6010	0.7550
NOTE: Requires Boring								
Rod Forging	5128158, 5133009							
C/S Forging	A-399, 5116030							
Connecting Rod	24 To 28 Lbs.Ft. (5/16" Bolts)							
Connecting Rod	40 To 45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	120 To 130 Lbs.Ft.							
18	426 CID (7.0L) 6-71 Detroit Diesel Supercharged Diesel 6 Cyl			4.250in./108mm x 5.000in./127mm				18
Rod Bearing(6)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800
Main Bearing Set	TM-112	MS-271P	STD,10,20,30,40					
1-2-3-4-5-6-7		MB-1276P		3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930
7		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 7 Position								
Thrust Washer Set		TW-411S	STD					
		MB-2524W		3.8430/3.8435			4.6250/4.6350	0.1220
NOTE: Contains 4 Pieces, Position Number 7, Use With Part Number MS-271P								
Cam Bearing Set	C-1	SH-476RS	STD,20					
		SH-476R		1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: From Engine Serial Number 6A-57745, Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(5)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(5)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS	STD					
		SH-477W		1.6910			2.1563	0.1220
NOTE: From Engine Serial Number 6A-57745, Contains 4 Pieces								



MILITARY STANDARD (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
18 (Cont.)	426 CID (7.0L) 6-71 Detroit Diesel Supercharged Diesel 6 Cyl				4.250in./108mm x 5.000in./127mm				18 (Cont.)
Rod Forging	5144469, 5150093, 5154265								
C/S Forging	6-71, 5154256, 5155255, 5160034, 5173988, 5179067, 5182940								
Connecting Rod	60 To 70 Lbs.Ft.								
Main Bearing	120 To 140 Lbs.Ft. (Nuts)								
Main Bearing	180 To 190 Lbs.Ft. (Bolts)								
19	427 CID (7.0L) LDS427 Continental Diesel 6 Cyl				4.313in./109.6mm x 4.875in./123.8mm				19
	478 CID (7.8L) LD478 Continental Diesel 6 Cyl				4.500in./114.3mm x 4.875in./123.8mm				
	478 CID (7.8L) LDS478 Continental Diesel 6 Cyl				4.563in./115.9mm x 4.875in./123.8mm				
Rod Bearing(6)	TM-112	CB-954P	STD,10,20	2.9970/2.9980	0.0027/0.0057	0.1254	3.2510/3.2520	1.4530	
Rod Forging	L478C-400								
C/S Forging	LD427C-501								
Connecting Rod	100 Lbs.Ft. (1/2" Bolts)								
Connecting Rod	120 Lbs.Ft. (9/16" Bolts)								
Connecting Rod	25 Lbs.Ft. (5/16" Bolts)								
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)								
Connecting Rod	60 Lbs.Ft. (7/16" Bolts)								
20	672 CID (11.0L) ENDT-673 Mack Turbocharged Diesel 6 Cyl				4.875in./123.8mm x 6.000in./152.4mm				20
Thrust Washer Set		TW-422S	STD	4.0625			5.2500	0.0920	
		MB-1373W							
NOTE: .250" Or .375" Dowel Pin Holes, Contains 4 Pieces,Contains Stepped Dowel Pins, Crankshaft,Position Number 4									
Cam Bearing Set	C-1	SH-676S	STD	2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850	
1		SH-560							
2-3-4-5-6-7		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100	
NOTE: From 4/84,Thru 8/87,Camshaft With 2.440" Diameter Number 7 Bearing Journal									
Cam Bearing Set	C-1	SH-693S	STD	2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850	
1		SH-560							
2-5		SH-693		2.4390/2.4400	0.0020/0.0060	0.0905	2.6230/2.6240	1.0100	
3-4-6		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100	
7		SH-357		2.2510/2.2520	0.0010/0.0030	0.1853	2.6230/2.6240	1.3800	
NOTE: Early Design, Slotted Bearings In Positions 2 And 5									
Cam Bearing Set	C-1	SH-993S	STD	2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.3850	
1		SH-560							
2-3-4-5-6		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100	
7		SH-357		2.2510/2.2520	0.0010/0.0030	0.1853	2.6230/2.6240	1.3800	
NOTE: Late Design,Thru 4/84,Camshaft With 2.250" Diameter Number 7 Bearing Journal									
Cam Bearing Set	C-1	SH-1450S	STD	2.4390/2.4400	0.0012/0.0052	0.0905	2.6230/2.6240	1.3850	
1		SH-1450							
2-3-4-5-6-7		SH-676		2.4390/2.4400	0.0010/0.0050	0.0910	2.6230/2.6240	1.0100	
NOTE: From 8/87									
Cam Thrust Washer Set		SH-566WS	STD	2.5000		3.8170		0.1870	
		SH-566W							
NOTE: Contains Dowel Pins And 2 Thrust Washers 2.500" Inside Diameter									
Aux. Shaft Bearing Set	C-1	SH-563S	STD	2.0610/2.0620	0.0020/0.0060	0.1237	2.3110/2.3120	1.7600	
Front		SH-563							
Rear		SH-564		1.9980/1.9990	0.0020/0.0060	0.1243	2.2490/2.2500	1.7600	
Rod Forging	367GC-468F								
C/S Forging	456GC-543, 456GC-545, 456GC-518A, 456GC-518E, 456GC-518F, 456GC-518G, 456GC-545A								
Connecting Rod	150 Lbs.Ft.								
Main Bearing	150 Lbs.Ft. (5/8" Bolts)								
Main Bearing	200 Lbs.Ft. (11/16" Bolts)								
21	779 CID (12.8L) 145GKU Waukesha 6 Cyl				5.250in./133.4mm x 6.000in./152.4mm				21
	817 CID (13.4L) 145GZ Waukesha 6 Cyl				5.375in./136.5mm x 6.000in./152.4mm				
Rod Bearing(6)	TM-112	CB-292P	STD,20	2.9990/3.0000	0.0014/0.0039	0.1103	3.2215/3.2220	1.9730	



MILITARY STANDARD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
21 (Cont.)	779 CID (12.8L) 145GKU Waukesha 6 Cyl			5.250in./133.4mm x 6.000in./152.4mm				21 (Cont.)
	817 CID (13.4L) 145GZ Waukesha 6 Cyl			5.375in./136.5mm x 6.000in./152.4mm				
Main Bearing Set 1-2-3-5-6	TM-112	MS-766P	STD	3.4990/3.5000	0.0022/0.0052	0.1253	3.7526/3.7535	1.8480
4		MB-1130P		3.4990/3.5000	0.0022/0.0052	0.1253	3.7526/3.7535	3.4730
7		MB-1131P		3.4990/3.5000	0.0018/0.0043	0.1255	3.7526/3.7535	2.9110
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-131S								
Thrust Washer Set		TW-131S	STD	3.5150/3.5200			3.7450/3.7500	0.1250
		MB-2297W						
NOTE: Contains 4 Pieces, Position Number 7, Use With Part Number MS-766P								
Cam Bearing Set 1-2-3-4	B-1	SH-142S	STD	2.4990/2.5000	0.0010/0.0050	0.0618	2.6245/2.6255	1.5100
		SH-142						
Piston Pin Bushing(6)	C-1	223-3488	STD			0.0405	1.6870/1.6875	1.8540
NOTE: Requires Boring								
Connecting Rod	67 To 69 Lbs.Ft.							
Main Bearing	267 To 275 Lbs.Ft.							
8 CYL								
22	239 CID (3.9L) L-Head Ford V8 Cyl			3.188in./80.98mm x 3.750in./95.3mm				22
Rod Bearing(8)	TM-77	CB-15P	STD,1,10,20,30,40,C60	2.1380/2.1390	0.0010/0.0035	0.0755	2.2905/2.2910	0.7700
NOTE: Connecting Rods With 2.291" Bearing Bore Diameter								
Main Bearing Set 1-2	TM-77	MS-109P	STD,10,20	2.4980/2.4990	0.0009/0.0035	0.0857	2.6700/2.6720	1.5060
3		MB-352P		2.4980/2.4990	0.0010/0.0036	0.0857	2.6700/2.6720	2.2510
NOTE: From 1948								
Cam Bearing Set 1-3	B-1	SH-21S	STD	1.7960/1.7970	0.0010/0.0050	0.0654	1.9275/1.9285	1.6050
2		SH-21		1.7960/1.7970	0.0010/0.0050	0.0655	1.9275/1.9285	1.3200
		SH-22						
Piston Pin Bushing(8)	B	223-3451	STD			0.0360	0.8115/0.8125	1.3220
NOTE: Requires Light Reaming								
Rod Forging	1BA, EBU, 29A-6200, 99A-6200, 8BA-6200B, 8CM-6200B, EBU-6200A, ECC-6205A, ECC-6205B, ECZ-6205B, EDC-6205A, EBU-6205-A, ECE-6205-A							
C/S Forging	1BA, 2BA, 8BA, EAB, OBA, BA-6303, 99A-6303, 29A-6303A, 29B-6303B, 1BA-6303-A, 1BA-6303-B							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
23	283 CID (4.6L) 283 Chevrolet V8 Cyl			3.875in./98.4mm x 3.000in./76.2mm				23
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set 1-2-3-4	TM-77	MS-429P	STD,1,10,20,30,40	2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
5		MB-3135P		2.2978/2.2988	0.0011/0.0041	0.0955	2.4906/2.4916	1.7180
		MB-1769P(F)						
Cam Bearing Set 1	B-1	SH-287S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2		SH-290		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
5		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
		SH-289		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.9500
NOTE: Engines With Notched Rear Camshaft Journal								
Cam Bearing Set 1	B-1	SH-290S	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-290		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
3-4		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Engines With Smooth Rear Camshaft Journal								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
		SH-1352						
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
		SH-1401						
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3703526, 3703527, 3784000, 3815281							
C/S Forging	1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3835236TG							



MILITARY STANDARD (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
23 (Cont.)	283 CID (4.6L) 283 Chevrolet V8 Cyl			3.875in./98.4mm x 3.000in./76.2mm					23 (Cont.)
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)								
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)								
Main Bearing	60 To 70 Lbs.Ft. (2.298" Diameter Main Bearing Journals)								
24	361 CID (5.9L) Chrysler V8 Cyl			4.125in./104.8mm x 3.375in./85.7mm					24
Rod Bearing(8)	TM-77	CB-527P	STD,1,10,20,30,40,C50,C60	2.3740/2.3750	0.0009/0.0034	0.0623	2.5000/2.5005	0.9120	
Main Bearing Set	TM-77	MS-876P	STD,10,20,30,40,C60						
1-2-4-5		MB-2065P		2.6245/2.6255	0.0011/0.0036	0.0956	2.8175/2.8180	0.9490	
3		MB-2456P(F)		2.6245/2.6255	0.0011/0.0036	0.0956	2.8175/2.8180	1.2240	
NOTE: .060" Undersize Set Contains .010" Oversize Length Flanged Bearing,Contains Full Grooved Bearings									
Cam Bearing Set	B-1	SH-876S	STD						
1		SH-876		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.7600	
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600	
3		SH-404		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.6800	
4		SH-405		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600	
5		SH-406		1.7480/1.7490	0.0005/0.0045	0.0645	1.8795/1.8805	0.7600	
Rod Forging	1618699, 1737692, 1851535, 2406782, 2951908								
C/S Forging	1737641, 1737642, 1851527, 2203155, 2203157, 2206157, 2206159, 2482923, 3462923, 3751877, 4027172								
Connecting Rod	45 Lbs.Ft.								
Main Bearing	85 Lbs.Ft.								
25	534 CID (8.8L) Ford V8 Cyl			4.500in./114.3mm x 4.200in./106.7mm					25
Rod Bearing(8)	TM-77	CB-615P	STD,10,20,30,C40,C60	2.7092/2.7100	0.0013/0.0039	0.0962	2.9032/2.9040	0.8920	
NOTE: 2.710" Diameter Connecting Rod Journal									
Main Bearing Set	TM-77	MS-443P	STD,10,20,30						
1-2-4-5		MB-1820P		3.1246/3.1254	0.0013/0.0039	0.0956	3.3176/3.3184	1.1050	
3		MB-1821P(F)		3.1246/3.1254	0.0009/0.0035	0.0958	3.3176/3.3184	1.2730	
Cam Bearing Set	B-1	SH-369S	STD						
1		SH-369		2.4740/2.4750	0.0010/0.0050	0.0630	2.6020/2.6030	0.6800	
2-3-4-5		SH-370		2.3700/2.3710	0.0010/0.0050	0.0630	2.4980/2.4990	0.6800	
Rod Forging	EDL, B9TE								
C/S Forging	EDN, C1TE-C, C2TE-A, C2TE-B, EDN-6303A, C1TE-6303C, C1TE-6303-C								
Connecting Rod	60 To 65 Lbs.Ft.								
Main Bearing	150 Lbs.Ft.								
26	568 CID (9.3L) 8V-71 Detroit Diesel Diesel V8 Cyl			4.250in./108mm x 5.000in./127mm					26
Rod Bearing(8)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100	
Main Bearing Set	TM-112	MS-1386P	STD,10,20,30						
1-2-3-4-5		MB-2687P		4.4990/4.5000	0.0019/0.0049	0.1552	4.8120/4.8130	1.2450	
5		MB-2523W		4.7500/4.7600			5.7300/5.7400	0.1220	
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position									
Thrust Washer Set		TW-402S	STD						
		MB-2523W		4.7500/4.7600			5.7300/5.7400	0.1220	
NOTE: Contains 4 Pieces, Position Number 5									
Cam Bearing Set	C-1	SH-476RS	STD,20						
		SH-476R		1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720	
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing									
Cam Bearing(6)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230	
NOTE: Contains Steel Bushing In Center Hole									
Cam Bearing(6)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230	
NOTE: Steel Bushing In Center Hole Not Included									
Cam Thrust Washer Set		SH-477WS	STD						
		SH-477W		1.6910			2.1563	0.1220	
NOTE: Contains 4 Pieces									
Rod Forging	5135051, 5144384								
C/S Forging	511706, 5103281, 5144867								



MILITARY STANDARD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
26 (Cont.)	568 CID (9.3L) 8V-71 Detroit Diesel Diesel V8 Cyl			4.250in./108mm x 5.000in./127mm				26 (Cont.)
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	155 To 185 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
27	568 CID (9.3L) 8V-71 Detroit Diesel Supercharged Diesel V8 Cyl			4.250in./108mm x 5.000in./127mm				27
Rod Bearing(8)	TM-112	CB-555P	STD,2,10,20,30,40	2.9990/3.0000	0.0019/0.0049	0.1243	3.2500/3.2510	1.2100
Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720
NOTE: Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing								
Cam Bearing(6)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Contains Steel Bushing In Center Hole								
Cam Bearing(6)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230
NOTE: Steel Bushing In Center Hole Not Included								
Cam Thrust Washer Set		SH-477WS	STD					
		SH-477W		1.6910			2.1563	0.1220
NOTE: Contains 4 Pieces								
Rod Forging	5135051, 5144384							
C/S Forging	511706, 5103281, 5144867							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	155 To 185 Lbs.Ft. (Nuts)							
Main Bearing	180 To 190 Lbs.Ft. (Bolts)							
MINNEAPOLIS-MOLINE								
ENGINE DATA								
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block	
3 CYL				4 CYL (Cont.)				
3-152 Perkins 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm		1	336A-4 Minneapolis Moline 336 CID (5.5L)	4.625in./117.5mmX5.000in./127mm		5	
4 CYL				340-4 Minneapolis Moline 340 CID (5.6L)	4.250in./108mmX5.000in./127mm		6	
206 Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm		2	340A-4 Minneapolis Moline 340 CID (5.6L)	4.250in./108mmX5.000in./127mm		6	
206-4 Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm		2	403 Minneapolis Moline 403 CID (6.6L)	4.625in./117.5mmX6.000in./152.4mm		4	
206-4A Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm		2	403-4 Minneapolis Moline 403 CID (6.6L)	4.625in./117.5mmX6.000in./152.4mm		4	
206A Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm		2	403A Minneapolis Moline 403 CID (6.6L)	4.625in./117.5mmX6.000in./152.4mm		6	
206B Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm		2	403A-4 Minneapolis Moline 403 CID (6.6L)	4.625in./117.5mmX6.000in./152.4mm		6	
206H Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm		3	403C Minneapolis Moline 403 CID (6.6L)	4.625in./117.5mmX6.000in./152.4mm		6	
206K Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm		3	403C-4 Minneapolis Moline 403 CID (6.6L)	4.625in./117.5mmX6.000in./152.4mm		6	
206L Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm		3	403E Minneapolis Moline 403 CID (6.6L)	4.625in./117.5mmX6.000in./152.4mm		6	
206M Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm		3	403E-4 Minneapolis Moline 403 CID (6.6L)	4.625in./117.5mmX6.000in./152.4mm		6	
206N Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm		3	D206 Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm		3	
220A Minneapolis Moline 220 CID (3.6L)	3.750in./95.3mmX5.000in./127mm		3	D206-4 Minneapolis Moline 206 CID (3.4L) Diesel	3.625in./92.1mmX5.000in./127mm		3	
220A Minneapolis Moline 220 CID (3.6L) LPG	3.750in./95.3mmX5.000in./127mm		3	D206-4A Minneapolis Moline 206 CID (3.4L) Diesel	3.625in./92.1mmX5.000in./127mm		3	
283 Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm		4	D206A Minneapolis Moline 206 CID (3.4L) Diesel	3.625in./92.1mmX5.000in./127mm		3	
283A Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm		4	D206B Minneapolis Moline 206 CID (3.4L) Diesel	3.625in./92.1mmX5.000in./127mm		3	
283B Minneapolis Moline 283 CID (4.6L) Flex	4.250in./108mmX5.000in./127mm		4	D206B-4 Minneapolis Moline 206 CID (3.4L) Diesel	3.625in./92.1mmX5.000in./127mm		3	
283C Minneapolis Moline 283 CID (4.6L) LPG	4.250in./108mmX5.000in./127mm		4					
283E Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm		4					
336 Minneapolis Moline 336 CID (5.5L)	4.625in./117.5mmX5.000in./127mm		5					
336-4 Minneapolis Moline 336 CID (5.5L)	4.625in./117.5mmX5.000in./127mm		5					
336A Minneapolis Moline 336 CID (5.5L)	4.625in./117.5mmX5.000in./127mm		5					



MINNEAPOLIS-MOLINE (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL (Cont.)			6 CYL (Cont.)		
D206L Minneapolis Moline 206 CID (3.4L) Diesel	3.625in./92.1mmX5.000in./127mm	3	425C Minneapolis Moline 425 CID (7.0L)	4.250in./108mmX5.000in./127mm	11
D206L-4 Minneapolis Moline 206 CID (3.4L) Diesel	3.625in./92.1mmX5.000in./127mm	3	425C Minneapolis Moline 425 CID (7.0L) LPG	4.250in./108mmX5.000in./127mm	11
D236 Minneapolis Moline 236 CID (3.9L) Diesel	3.875in./98.4mmX5.000in./127mm	2	425C-6 Minneapolis Moline 425 CID (7.0L)	4.250in./108mmX5.000in./127mm	11
D236-4 Minneapolis Moline 236 CID (3.9L) Diesel	3.875in./98.4mmX5.000in./127mm	2	605 Minneapolis Moline 605 CID (9.9L)	4.625in./117.5mmX6.000in./152.4mm	13
D283 Minneapolis Moline 283 CID (4.6L) Diesel	4.250in./108mmX5.000in./127mm	5	605-6 Minneapolis Moline 605 CID (9.9L)	4.625in./117.5mmX6.000in./152.4mm	13
D283-4 Minneapolis Moline 283 CID (4.6L) Diesel	4.250in./108mmX5.000in./127mm	5	605-6A Minneapolis Moline 605 CID (9.9L)	4.625in./117.5mmX6.000in./152.4mm	13
D336 Minneapolis Moline 336 CID (5.5L) Diesel	4.625in./117.5mmX5.000in./127mm	5	605A Minneapolis Moline 605 CID (9.9L)	4.625in./117.5mmX6.000in./152.4mm	13
D336-4 Minneapolis Moline 336 CID (5.5L) Diesel	4.625in./117.5mmX5.000in./127mm	5	605A-6 Minneapolis Moline 605 CID (9.9L)	4.625in./117.5mmX6.000in./152.4mm	13
D336A Minneapolis Moline 336 CID (5.5L) Diesel	4.625in./117.5mmX5.000in./127mm	5	605B Minneapolis Moline 605 CID (9.9L)	4.625in./117.5mmX6.000in./152.4mm	13
D336A-4 Minneapolis Moline 336 CID (5.5L) Diesel	4.625in./117.5mmX5.000in./127mm	5	605B-6 Minneapolis Moline 605 CID (9.9L)	4.625in./117.5mmX6.000in./152.4mm	13
DHD236-4A Minneapolis Moline 236 CID (3.9L) Diesel	3.875in./98.4mmX5.000in./127mm	2	625 Minneapolis Moline 605 CID (9.9L)	4.625in./117.5mmX6.000in./152.4mm	13
HD220-4A Minneapolis Moline 220 CID (3.6L)	3.750in./95.3mmX5.000in./127mm	3	625-6 Minneapolis Moline 605 CID (9.9L)	4.625in./117.5mmX6.000in./152.4mm	13
HE Minneapolis Moline 403 CID (6.6L)	4.625in./117.5mmX6.000in./152.4mm	6	800 Minneapolis Moline 800 CID (13.1L)	5.313in./135mmX6.000in./152.4mm	14
HUE Minneapolis Moline 403 CID (6.6L)	4.625in./117.5mmX6.000in./152.4mm	6	800-6A Minneapolis Moline 800 CID (13.1L) LPG	5.312in./134.9mmX6.000in./152.4mm	14
KE Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm	4	Chrysler 265 CID (4.3L)	3.438in./87.33mmX4.750in./120.7mm	8
KEC Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm	4	CE425 Minneapolis Moline 425 CID (7.0L)	4.250in./108mmX5.000in./127mm	10
KEF Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm	4	D425-6 Minneapolis Moline 425 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	12
KT Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm	4	D425A-6 Minneapolis Moline 425 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	11
KTA Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm	4	D425B-6 Minneapolis Moline 425 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	11
M206 Series Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm	3	D451 Minneapolis Moline 451 CID (7.4L) Diesel	4.375in./111.1mmX5.000in./127mm	11
M220-4 Minneapolis Moline 220 CID (3.6L)	3.750in./95.3mmX5.000in./127mm	3	D451-6 Minneapolis Moline 451 CID (7.4L) Diesel	4.375in./111.1mmX5.000in./127mm	11
MT Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm	4	D605 Minneapolis Moline 605 CID (9.9L) Diesel	4.625in./117.5mmX6.000in./152.4mm	14
MTA Minneapolis Moline 283 CID (4.6L)	4.250in./108mmX5.000in./127mm	4	F226 Continental 226 CID (3.7L) Flex	3.313in./84.1mmX4.375in./111.1mm	7
RE206B Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm	2	F244 Continental 244 CID (4.0L)	3.438in./87.33mmX4.375in./111.1mm	7
RE206G Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm	2	HD425-6 Minneapolis Moline 425 CID (7.0L) Diesel	4.250in./108mmX5.000in./127mm	11
V206 Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm	2	HD605-6A Minneapolis Moline 605 CID (9.9L) Diesel	4.625in./117.5mmX6.000in./152.4mm	13
V206B Minneapolis Moline 206 CID (3.4L)	3.625in./92.1mmX5.000in./127mm	2	HD800 Minneapolis Moline 800 CID (13.1L) Diesel	5.313in./135mmX6.000in./152.4mm	14
6 CYL			HD800-6A Minneapolis Moline 800 CID (13.1L)	5.312in./134.9mmX6.000in./152.4mm	14
6-354 Perkins 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	9	HD800A-6A Minneapolis Moline 800 CID (13.1L) Diesel	5.313in./135mmX6.000in./152.4mm	14
425-6 Minneapolis Moline 425 CID (7.0L)	4.250in./108mmX5.000in./127mm	10	HV Minneapolis Moline 605 CID (9.9L)	4.625in./117.5mmX6.000in./152.4mm	13
425A-6 Minneapolis Moline 425 CID (7.0L)	4.250in./108mmX5.000in./127mm	10	Ind 8 Chrysler 251 CID (4.1L)	3.438in./87.33mmX4.500in./114.3mm	8
425B Minneapolis Moline 425 CID (7.0L)	4.250in./108mmX5.000in./127mm	10	Ind 8A Chrysler 251 CID (4.1L)	3.438in./87.33mmX4.500in./114.3mm	8
425B-6 Minneapolis Moline 425 CID (7.0L)	4.250in./108mmX5.000in./127mm	10			

MODEL DATA

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
4 Star Super	Wheel Tractor	206 CID (3.4L) D206 Minneapolis Moline	3	445 Universal Base Model	Wheel Tractor	206 CID (3.4L) 206H Minneapolis Moline	3
5 Star Base Model	Wheel Tractor	283 CID (4.6L) 283E Minneapolis Moline	4	445 Utility Base Model	Wheel Tractor	206 CID (3.4L) 206H Minneapolis Moline	3
5 Star Base Model	Wheel Tractor	336 CID (5.5L) D336 Minneapolis Moline Diesel	5	525 Edible Bean	Combine	251 CID (4.1L) Ind 8A Chrysler	8
5 Star Universal Base Model	Wheel Tractor	283 CID (4.6L) 283E Minneapolis Moline	4	535 Base Model	Combine	152 CID (2.5L) 3-152 Perkins Diesel	1
5 Star Universal Base Model	Wheel Tractor	336 CID (5.5L) D336 Minneapolis Moline Diesel	5	535 Rice	Combine	265 CID (4.3L) Chrysler	8



MINNEAPOLIS-MOLINE (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
545 Base Model	Combine	152 CID (2.5L) 3-152 Perkins Diesel	1	G950 Base Model	Wheel Tractor	451 CID (7.4L) D451 Minneapolis Moline Diesel	11
545 Base Model	Combine	265 CID (4.3L) Chrysler	8	G955 Base Model	Wheel Tractor	425 CID (7.0L) D425-6 Minneapolis Moline Diesel	12
545 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	9	G Base Model	Wheel Tractor	403 CID (6.6L) 403C-4 Minneapolis Moline	6
570 Base Model	Combine	226 CID (3.7L) F226 Continental	7	G Base Model	Wheel Tractor	425 CID (7.0L) D425-6 Minneapolis Moline Diesel	12
1960 Base Model	Wheel Tractor	206 CID (3.4L) 206N Minneapolis Moline	3	G-VI Base Model	Wheel Tractor	425 CID (7.0L) D425-6 Minneapolis Moline Diesel	12
2890 Base Model	Combine	251 CID (4.1L) Ind 8A Chrysler	8	GB Base Model	Wheel Tractor	403 CID (6.6L) 403C Minneapolis Moline	6
3490 Base Model	Combine	265 CID (4.3L) Chrysler	8	GBD Base Model	Wheel Tractor	425 CID (7.0L) D425-6 Minneapolis Moline Diesel	12
3496 Rice	Combine	265 CID (4.3L) Chrysler	8	GTB Base Model	Wheel Tractor	403 CID (6.6L) 403A Minneapolis Moline	6
3497 Base Model	Combine	265 CID (4.3L) Chrysler	8	GTB Base Model	Wheel Tractor	425 CID (7.0L) CE425 Minneapolis Moline	10
4290 Rice	Combine	265 CID (4.3L) Chrysler	8	GTC Base Model	Wheel Tractor	403 CID (6.6L) 403A Minneapolis Moline	6
4292 Base Model	Combine	265 CID (4.3L) Chrysler	8	GTX Base Model	Wheel Tractor	605 CID (9.9L) 605-6 Minneapolis Moline	13
4293 Base Model	Combine	265 CID (4.3L) Chrysler	8	Ind. 400 Base Model	Wheel Tractor	206 CID (3.4L) D206 Minneapolis Moline	3
4296 Base Model	Combine	265 CID (4.3L) Chrysler	8	Ind. 500 Base Model	Wheel Tractor	206 CID (3.4L) D206 Minneapolis Moline	3
4597 Base Model	Combine	265 CID (4.3L) Chrysler	8	Jet Star Base Model	Wheel Tractor	206 CID (3.4L) 206L Minneapolis Moline	3
5542 Base Model	Combine	265 CID (4.3L) Chrysler	8	Jetstar 3 Base Model	Wheel Tractor	206 CID (3.4L) D206-4A Minneapolis Moline Diesel	3
5542 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	9	Jetstar 3 Super Base Model	Wheel Tractor	206 CID (3.4L) D206 Minneapolis Moline	3
7300 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	9	KU Base Model	Wheel Tractor	283 CID (4.6L) 283E Minneapolis Moline	4
7600 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	9	L Base Model	Wheel Tractor	206 CID (3.4L) V206B Minneapolis Moline	2
Base Model	Engine	206 CID (3.4L) M206 Series Minneapolis Moline	3	LA Base Model	Combine	206 CID (3.4L) V206B Minneapolis Moline	2
Base Model	Engine	220 CID (3.6L) HD220-4A Minneapolis Moline	3	LB Base Model	Combine	206 CID (3.4L) V206B Minneapolis Moline	2
Base Model	Engine	236 CID (3.9L) DHD236-4A Minneapolis Moline Diesel	2	LC Base Model	Combine	206 CID (3.4L) V206B Minneapolis Moline	2
Base Model	Engine	283 CID (4.6L) MTA Minneapolis Moline	4	LD Base Model	Combine	206 CID (3.4L) V206B Minneapolis Moline	2
Base Model	Engine	336 CID (5.5L) D336A-4 Minneapolis Moline Diesel	5	M5 Base Model	Wheel Tractor	336 CID (5.5L) D336-4 Minneapolis Moline Diesel	5
Base Model	Engine	340 CID (5.6L) 340A-4 Minneapolis Moline	6	M220 A	Wheel Tractor	220 CID (3.6L) 220A Minneapolis Moline	3
Base Model	Engine	403 CID (6.6L) HUE Minneapolis Moline	6	M504 Base Model	Wheel Tractor	336 CID (5.5L) D336-4 Minneapolis Moline Diesel	5
Base Model	Engine	425 CID (7.0L) HD425-6 Minneapolis Moline Diesel	11	M602 Base Model	Wheel Tractor	336 CID (5.5L) D336-4 Minneapolis Moline Diesel	5
Base Model	Engine	451 CID (7.4L) D451-6 Minneapolis Moline Diesel	11	M604 Base Model	Wheel Tractor	336 CID (5.5L) D336-4 Minneapolis Moline Diesel	5
Base Model	Engine	605 CID (9.9L) HV Minneapolis Moline	13	M670 Super	Wheel Tractor	336 CID (5.5L) D336A Minneapolis Moline Diesel	5
Base Model	Engine	800 CID (13.1L) HD800A-6A Minneapolis Moline Diesel	14	MD400 Base Model	Wheel Tractor	206 CID (3.4L) D206 Minneapolis Moline	3
Big MO400 Base Model	Wheel Tractor	206 CID (3.4L) D206 Minneapolis Moline	3	MD500 Base Model	Wheel Tractor	206 CID (3.4L) D206 Minneapolis Moline	3
Big MO500 Base Model	Wheel Tractor	206 CID (3.4L) D206 Minneapolis Moline	3	MY40 Base Model	Fork Lift	206 CID (3.4L) D206 Minneapolis Moline	3
Big MO600 Base Model	Wheel Tractor	206 CID (3.4L) D206 Minneapolis Moline	3	MY40 Base Model	Fork Lift	220 CID (3.6L) 220A Minneapolis Moline	3
CU Series Base Model	Wheel Tractor	283 CID (4.6L) 283E Minneapolis Moline	4	MY50 Base Model	Fork Lift	206 CID (3.4L) D206 Minneapolis Moline	3
CU Series Base Model	Wheel Tractor	425 CID (7.0L) CE425 Minneapolis Moline	10	MY50 Base Model	Fork Lift	220 CID (3.6L) 220A Minneapolis Moline	3
G701 Base Model	Wheel Tractor	425 CID (7.0L) D425-6 Minneapolis Moline Diesel	12	MY60 Base Model	Fork Lift	206 CID (3.4L) D206 Minneapolis Moline	3
G705 Base Model	Wheel Tractor	425 CID (7.0L) D425-6 Minneapolis Moline Diesel	12				
G900 Base Model	Wheel Tractor	425 CID (7.0L) D425-6 Minneapolis Moline Diesel	12				
G900 Base Model	Wheel Tractor	451 CID (7.4L) D451 Minneapolis Moline Diesel	11				
G950 Base Model	Wheel Tractor	425 CID (7.0L) D425-6 Minneapolis Moline Diesel	12				



MINNEAPOLIS-MOLINE (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
MY60 Base Model	Fork Lift	220 CID (3.6L) 220A Minneapolis Moline	3	UTSD Base Model	Wheel Tractor	283 CID (4.6L) D283 Minneapolis Moline Diesel	5
MY70 Base Model	Fork Lift	206 CID (3.4L) D206 Minneapolis Moline	3	UTU Base Model	Wheel Tractor	283 CID (4.6L) 283C Minneapolis Moline	4
MY70 Base Model	Fork Lift	220 CID (3.6L) 220A Minneapolis Moline	3	Uni-Combine W-4	Combine	206 CID (3.4L) 206A Minneapolis Moline	2
Montiac Base Model	Wheel Tractor	206 CID (3.4L) 206M Minneapolis Moline	3	Uni-Harvester 120	Combine	206 CID (3.4L) V206B Minneapolis Moline	2
RUA Base Model	Power Unit	206 CID (3.4L) 206 Minneapolis Moline	2	Uni-L Base Model	Combine	206 CID (3.4L) V206B Minneapolis Moline	2
S24 Base Model	Combine	206 CID (3.4L) 206 Minneapolis Moline	2	Uni-Tractor Base Model	Wheel Tractor	206 CID (3.4L) V206B Minneapolis Moline	2
SP168 Rice	Combine	206 CID (3.4L) V206B Minneapolis Moline	2	Z Universal	Wheel Tractor	206 CID (3.4L) RE206B Minneapolis Moline	2
SP168 S	Combine	226 CID (3.7L) F226 Continental	7	Z Types Base Model	Wheel Tractor	206 CID (3.4L) RE206G Minneapolis Moline	2
SP168 S	Combine	244 CID (4.0L) F244 Continental	7	ZA Base Model	Wheel Tractor	206 CID (3.4L) RE206B Minneapolis Moline	2
U Type S	Wheel Tractor	283 CID (4.6L) D283 Minneapolis Moline Diesel	5	ZAE Base Model	Wheel Tractor	206 CID (3.4L) RE206B Minneapolis Moline	2
U-302 Base Model	Wheel Tractor	220 CID (3.6L) 220A Minneapolis Moline	3	ZAN Base Model	Wheel Tractor	206 CID (3.4L) RE206B Minneapolis Moline	2
UB Types E-N-U	Wheel Tractor	283 CID (4.6L) D283 Minneapolis Moline Diesel	5	ZAS Base Model	Wheel Tractor	206 CID (3.4L) RE206B Minneapolis Moline	2
UBE Base Model	Wheel Tractor	283 CID (4.6L) 283B Minneapolis Moline	4	ZASI Base Model	Wheel Tractor	206 CID (3.4L) RE206B Minneapolis Moline	2
UBE Base Model	Wheel Tractor	336 CID (5.5L) D336-4 Minneapolis Moline Diesel	5	ZAU Base Model	Wheel Tractor	206 CID (3.4L) RE206B Minneapolis Moline	2
UBED Base Model	Wheel Tractor	283 CID (4.6L) D283 Minneapolis Moline Diesel	5	ZB Base Model	Wheel Tractor	206 CID (3.4L) RE206B Minneapolis Moline	2
UBN Base Model	Wheel Tractor	283 CID (4.6L) 283B Minneapolis Moline	4	ZBE Base Model	Wheel Tractor	206 CID (3.4L) RE206B Minneapolis Moline	2
UBND Base Model	Wheel Tractor	283 CID (4.6L) D283 Minneapolis Moline Diesel	5	ZBN Base Model	Wheel Tractor	206 CID (3.4L) RE206B Minneapolis Moline	2
UBU Base Model	Wheel Tractor	283 CID (4.6L) 283B Minneapolis Moline	4	ZBU Base Model	Wheel Tractor	206 CID (3.4L) RE206B Minneapolis Moline	2
UBU Base Model	Wheel Tractor	336 CID (5.5L) D336-4 Minneapolis Moline Diesel	5	ZM Industrial Base Model	Wheel Tractor	220 CID (3.6L) M220-4 Minneapolis Moline	3
UBUD Base Model	Wheel Tractor	283 CID (4.6L) D283 Minneapolis Moline Diesel	5	ZTE Base Model	Wheel Tractor	206 CID (3.4L) RE206B Minneapolis Moline	2
UTE Base Model	Wheel Tractor	283 CID (4.6L) 283E Minneapolis Moline	4	ZTN Base Model	Wheel Tractor	206 CID (3.4L) RE206B Minneapolis Moline	2
UTI Base Model	Wheel Tractor	283 CID (4.6L) 283C Minneapolis Moline	4	ZTS Base Model	Wheel Tractor	206 CID (3.4L) RE206B Minneapolis Moline	2
UTN Base Model	Wheel Tractor	283 CID (4.6L) 283C Minneapolis Moline	4	ZTU Base Model	Wheel Tractor	206 CID (3.4L) RE206B Minneapolis Moline	2
UTS Base Model	Wheel Tractor	283 CID (4.6L) D283 Minneapolis Moline Diesel	5				

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
10A-5090	5.000in./127mm	5	665679	4.500in./114.3mm	8	31337140	5.000in./127mm	1	F600D-402	4.375in./111.1mm	7
10A-5090	5.000in./127mm	11	666746	4.500in./114.3mm	8	31337180JGSB	5.000in./127mm	9	F600D-405	4.375in./111.1mm	7
10A-5090	5.000in./127mm	12	954418	4.500in./114.3mm	8	31337220	5.000in./127mm	1			
52813	5.000in./127mm	1	954428	4.500in./114.3mm	8	31337310	5.000in./127mm	9			
59554	5.000in./127mm	9	1400244	4.500in./114.3mm	8	F600D-310	4.375in./111.1mm	7			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
10A-2700	5.000in./127mm	2	863706	4.500in./114.3mm	8	F600C-344	4.375in./111.1mm	7	F600C-606A	4.375in./111.1mm	7
10A-5099	5.000in./127mm	5	864718	4.500in./114.3mm	8	F600C-368	4.375in./111.1mm	7	F600C-606C	4.375in./111.1mm	7
10A-6032	5.000in./127mm	3	870715	4.500in./114.3mm	8	F600C-500A	4.375in./111.1mm	7	FE-4D	6.000in./152.4mm	6
10A-10247	5.000in./127mm	5	870744	4.500in./114.3mm	8	F600C-502	4.375in./111.1mm	7	HE-401-A	6.000in./152.4mm	13
10A-12751	5.000in./127mm	3	3132302	5.000in./127mm	9	F600C-502A	4.375in./111.1mm	7	KE-401-B	5.000in./127mm	4
665792	4.500in./114.3mm	8	31322302	5.000in./127mm	9	F600C-504	4.375in./111.1mm	7	LE-401	6.000in./152.4mm	6
666739	4.500in./114.3mm	8	CE-401-A	5.000in./127mm	10	F600C-506A	4.375in./111.1mm	7			
673498	4.500in./114.3mm	8	EE-351	5.000in./127mm	3	F600C-536	4.375in./111.1mm	7			
762706	4.500in./114.3mm	8	F600C-217	4.375in./111.1mm	7	F600C-601	4.375in./111.1mm	7			



MINNEAPOLIS-MOLINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
				3 CYL				
1	152 CID (2.5L) 3-152 Perkins Diesel 3 Cyl			3.600in./91.4mm x 5.000in./127mm				1
Rod Bearing(3)	AL-3	CB-560AL	STD,10,20,30,40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900
Main Bearing Set	AL-3	MS-772AL	STD,10,20,30					
1		MB-2186AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.3050
2-3		MB-2187AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.0000
4		MB-2302AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.6050
Thrust Washer Set		TW-119S	STD					
		MB-2188W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2188W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Engine Serial Number 1400250,Thru Eng Serial Number 1412719, Contains 4 Pieces, Position Number 4, Use With Part Number MS-772AL								
Thrust Washer Set		TW-130S	STD					
		MB-2292W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2292W(U)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Eng Serial Number 1412720, Contains 4 Pieces, Position Number 4, Use With Part Number MS-772AL								
Piston Pin Bushing(3)	C-1	223-3594	STD			0.8500	1.3757/1.3762	1.0630
NOTE: Requires Boring								
Rod Forging	52813, 31337140, 31337220							
Connecting Rod	70 To 80 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft.							
				4 CYL				
2	206 CID (3.4L) 206,206-4,206-4A,206A,206B,RE206B,RE206G,V206,V206B Minneapolis Moline 4 Cyl			3.625in./92.1mm x 5.000in./127mm				2
	236 CID (3.9L) D236-4,D236,DHD236-4A Minneapolis Moline Diesel 4 Cyl			3.875in./98.4mm x 5.000in./127mm				
Rod Bearing(4)	TM-112	CB-594P	STD,10,20	2.6245/2.6250	0.0016/0.0036	0.0727	2.7715/2.7720	1.2300
C/S Forging	10A-2700							
Connecting Rod	60 To 65 Lbs.Ft.							
3	206 CID (3.4L) 206H Minneapolis Moline 4 Cyl (1956-1959)			3.625in./92.1mm x 5.000in./127mm				3
	206 CID (3.4L) 206K,206L,206M,206N,D206,M206 Series Minneapolis Moline 4 Cyl			3.625in./92.1mm x 5.000in./127mm				
	206 CID (3.4L) D206-4A,D206-4,D206A,D206B-4,D206B,D206L-4,D206L Minneapolis Moline Diesel 4 Cyl			3.625in./92.1mm x 5.000in./127mm				
	220 CID (3.6L) 220A,HD220-4A,M220-4 Minneapolis Moline 4 Cyl			3.750in./95.3mm x 5.000in./127mm				
	220 CID (3.6L) 220A Minneapolis Moline LPG 4 Cyl			3.750in./95.3mm x 5.000in./127mm				
Rod Bearing(4)	TM-112	CB-594P	STD,10,20	2.6245/2.6250	0.0016/0.0036	0.0727	2.7715/2.7720	1.2300
Main Bearing Set	TM-112	MS-900P	STD					
1-2		MB-2496P		2.7495/2.7500	0.0018/0.0043	0.0850	2.9215/2.9225	1.6250
3		MB-2032P(F)		2.9995/3.0000	0.0017/0.0042	0.1053	3.2120/3.2130	2.1850
C/S Forging	EE-351, 10A-6032, 10A-12751							
Connecting Rod	60 To 65 Lbs.Ft.							
Main Bearing	60 To 65 Lbs.Ft. (Bearing Cap Number 3)							
Main Bearing	90 To 100 Lbs.Ft. (Bearing Caps Number 1 and 2)							
4	283 CID (4.6L) 283,283A,283E,KE,KEC,KEF,KT,KTA,MT,MTA Minneapolis Moline 4 Cyl			4.250in./108mm x 5.000in./127mm				4
	283 CID (4.6L) 283B Minneapolis Moline Flex 4 Cyl			4.250in./108mm x 5.000in./127mm				
	283 CID (4.6L) 283C Minneapolis Moline LPG 4 Cyl			4.250in./108mm x 5.000in./127mm				
	403 CID (6.6L) 403,403-4 Minneapolis Moline 4 Cyl			4.625in./117.5mm x 6.000in./152.4mm				
Rod Bearing(4)	TM-112	CB-592P	STD,20,30	2.5770/2.5775	0.0014/0.0039	0.0853	2.7490/2.7500	2.2220
NOTE: Thru Eng. Serial No. 334001								
C/S Forging	KE-401-B							
Connecting Rod	80 To 85 Lbs.Ft.							
5	283 CID (4.6L) D283-4,D283 Minneapolis Moline Diesel 4 Cyl			4.250in./108mm x 5.000in./127mm				5
	336 CID (5.5L) 336,336-4,336A,336A-4 Minneapolis Moline 4 Cyl			4.625in./117.5mm x 5.000in./127mm				
	336 CID (5.5L) D336-4,D336A-4,D336A,D336 Minneapolis Moline Diesel 4 Cyl			4.625in./117.5mm x 5.000in./127mm				
Rod Bearing(4)	TM-112	CB-591P	STD,10,20	2.9115/2.9120	0.0019/0.0044	0.1053	3.1240/3.1250	2.0780
Rod Forging	10A-5090							
C/S Forging	10A-5099, 10A-10247							



MINNEAPOLIS-MOLINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
5 (Cont.)	283 CID (4.6L) D283-4,D283 Minneapolis Moline Diesel 4 Cyl			4.250in./108mm x 5.000in./127mm			5 (Cont.)	
	336 CID (5.5L) 336,336-4,336A,336A-4 Minneapolis Moline 4 Cyl			4.625in./117.5mm x 5.000in./127mm				
	336 CID (5.5L) D336-4,D336A-4,D336A,D336 Minneapolis Moline Diesel 4 Cyl			4.625in./117.5mm x 5.000in./127mm				
Connecting Rod 80 To 85 Lbs.Ft.								
6	340 CID (5.6L) 340-4,340A-4 Minneapolis Moline 4 Cyl			4.250in./108mm x 5.000in./127mm			6	
	403 CID (6.6L) 403A,403A-4,403C,403C-4,403E,403E-4,HE,HUE Minneapolis Moline 4 Cyl			4.625in./117.5mm x 6.000in./152.4mm				
Rod Bearing(4)	TM-112	CB-448P	STD,10	2.7495/2.7500	0.0012/0.0037	0.0854	2.9215/2.9225	2.1000
C/S Forging FE-4D, LE-401								
Connecting Rod 64 To 68 Lbs.Ft.								
6 CYL								
7	226 CID (3.7L) F226 Continental Flex 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm			7	
	244 CID (4.0L) F244 Continental 6 Cyl			3.438in./87.33mm x 4.375in./111.1mm				
Rod Bearing(6)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	F600D-310, F600D-402, F600D-405							
C/S Forging	F600C-217, F600C-344, F600C-368, F600C-502, F600C-504, F600C-536, F600C-601, F600C-500A, F600C-502A, F600C-506A, F600C-606A, F600C-606C							
Connecting Rod 40 To 45 Lbs.Ft.								
Main Bearing 75 To 85 Lbs.Ft.								
8	251 CID (4.1L) Ind 8,Ind 8A Chrysler 6 Cyl			3.438in./87.33mm x 4.500in./114.3mm			8	
	265 CID (4.3L) Chrysler 6 Cyl			3.438in./87.33mm x 4.750in./120.7mm				
Rod Bearing(6)	TM-77	CB-90P	STD,1,10,20,30,40,C60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	1.0850
Main Bearing Set	TM-77	MS-107P	STD,10,20					
1-2-3		MB-327P		2.4995/2.5005	0.0011/0.0036	0.0776	2.6565/2.6570	1.1810
4		MB-328P(F)		2.4995/2.5005	0.0017/0.0042	0.0774	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-37S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-37		1.9665/1.9675	0.0005/0.0045	0.0652	2.0985/2.0995	1.0700
3		SH-38		1.9350/1.9360	0.0005/0.0044	0.0653	2.0670/2.0680	1.0690
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	665679, 666746, 954418, 954428, 1400244							
C/S Forging	665792, 666739, 673498, 762706, 863706, 864718, 870715, 870744							
Connecting Rod 40 To 45 Lbs.Ft.								
Main Bearing 80 To 85 Lbs.Ft.								
9	354 CID (5.8L) 6-354 Perkins Diesel 6 Cyl			3.877in./98.5mm x 5.000in./127mm			9	
Rod Bearing(6)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550



MINNEAPOLIS-MOLINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
9 (Cont.)	354 CID (5.8L) 6-354 Perkins Diesel 6 Cyl			3.877in./98.5mm x 5.000in./127mm				9 (Cont.)
Main Bearing Set 1-2-3-5-6-7 4	AL-3	MS-757AL MB-2221AL MB-2222AL	STD,10,20,30	2.9985/2.9990 2.9985/2.9990	0.0027/0.0052 0.0027/0.0052	0.0823 0.0823	3.1660/3.1670 3.1660/3.1670	1.2550 1.4450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set		TW-121S MB-2222W(L) MB-2222W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0910 0.0910
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4, Use With Part Number MS-757AL								
Thrust Washer Set		TW-316S MB-2636W(L) MB-2636W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0900 0.0900
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4								
Rod Forging	59554, 31337310, 31337180JGSB							
C/S Forging	3132302, 31322302							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	145 To 150 Lbs.Ft.							
10	425 CID (7.0L) 425-6,425A-6,425B,425B-6,CE425 Minneapolis Moline 6 Cyl			4.250in./108mm x 5.000in./127mm				10
Rod Bearing(6)	TM-112	CB-592P	STD,20,30	2.5770/2.5775	0.0014/0.0039	0.0853	2.7490/2.7500	2.2220
C/S Forging	CE-401-A							
Connecting Rod	80 To 85 Lbs.Ft.							
Main Bearing	100 To 105 Lbs.Ft. (Bearing Caps Number 2, 3, And 4)							
Main Bearing	130 To 140 Lbs.Ft. (Bearing Cap Number 1)							
11	425 CID (7.0L) 425C,425C-6 Minneapolis Moline 6 Cyl 425 CID (7.0L) 425C Minneapolis Moline LPG 6 Cyl 425 CID (7.0L) D425A-6,D425B-6,HD425-6 Minneapolis Moline Diesel 6 Cyl 451 CID (7.4L) D451-6,D451 Minneapolis Moline Diesel 6 Cyl			4.250in./108mm x 5.000in./127mm 4.250in./108mm x 5.000in./127mm 4.250in./108mm x 5.000in./127mm 4.375in./111.1mm x 5.000in./127mm				11
Rod Bearing(6)	TM-112	CB-591P	STD,10,20	2.9115/2.9120	0.0019/0.0044	0.1053	3.1240/3.1250	2.0780
Rod Forging	10A-5090							
Connecting Rod	80 To 85 Lbs.Ft.							
12	425 CID (7.0L) D425-6 Minneapolis Moline Diesel 6 Cyl			4.250in./108mm x 5.000in./127mm				12
Rod Bearing(6)	TM-112	CB-591P	STD,10,20	2.9115/2.9120	0.0019/0.0044	0.1053	3.1240/3.1250	2.0780
NOTE: From Engine Serial Number 06700858								
Rod Bearing(6)	TM-112	CB-592P	STD,20,30	2.5770/2.5775	0.0014/0.0039	0.0853	2.7490/2.7500	2.2220
NOTE: Thru Eng. Serial No. 06700858								
Rod Forging	10A-5090							
Connecting Rod	80 To 85 Lbs.Ft.							
13	605 CID (9.9L) 605,605-6,605-6A,605A,605A-6,605B,605B-6,625,625-6,HV Minneapolis Moline 6 Cyl 605 CID (9.9L) HD605-6A Minneapolis Moline Diesel 6 Cyl			4.625in./117.5mm x 6.000in./152.4mm 4.625in./117.5mm x 6.000in./152.4mm				13
Rod Bearing(6)	TM-112	CB-448P	STD,10	2.7495/2.7500	0.0012/0.0037	0.0854	2.9215/2.9225	2.1000
C/S Forging	HE-401-A							
Connecting Rod	80 To 85 Lbs.Ft.							
Main Bearing	100 To 105 Lbs.Ft. (Bearing Caps Number 2, 3, And 4)							
Main Bearing	135 To 140 Lbs.Ft. (Bearing Cap Number 1)							
14	605 CID (9.9L) D605 Minneapolis Moline Diesel 6 Cyl 800 CID (13.1L) 800 Minneapolis Moline 6 Cyl 800 CID (13.1L) 800-6A Minneapolis Moline LPG 6 Cyl 800 CID (13.1L) HD800-6A Minneapolis Moline 6 Cyl 800 CID (13.1L) HD800A-6A,HD800 Minneapolis Moline Diesel 6 Cyl			4.625in./117.5mm x 6.000in./152.4mm 5.313in./135mm x 6.000in./152.4mm 5.312in./134.9mm x 6.000in./152.4mm 5.312in./134.9mm x 6.000in./152.4mm 5.313in./135mm x 6.000in./152.4mm				14
Rod Bearing(6)	TM-112	CB-701P	STD,10,20	3.2480/3.2490	0.0021/0.0051	0.1247	3.5000/3.5010	1.9220
Connecting Rod	60 To 65 Lbs.Ft.							



MITSUBISHI							
ENGINE DATA							
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				4 CYL (Cont.)			
1468CC (1.5L) 4G15 12 Valve	1991-1998	2.972in./75.5mmX3.228in./82mm	1	2351CC (2.4L) 4G64 DOHC	1994	3.406in./86.5mmX3.937in./100mm	10
1468CC (1.5L) 4G15 8 Valve	1989-1990	2.972in./75.5mmX3.228in./82mm	1	2351CC (2.4L) 4G64 SOHC 8 Valve	1989-1996	3.406in./86.5mmX3.937in./100mm	10
1468CC (1.5L) G15B	1985-1988	2.972in./75.5mmX3.228in./82mm	2	2351CC (2.4L) 4G64 SOHC 16 Valve	1993-1999	3.406in./86.5mmX3.937in./100mm	10
1468CC (1.5L) G4AJ 8 Valve	1987-1989	2.972in./75.5mmX3.228in./82mm	2	2351CC (2.4L) G64B SOHC	1985-1988	3.406in./86.5mmX3.937in./100mm	9
1468CC (1.5L) G4DJ 8 Valve	1990-1994	2.972in./75.5mmX3.228in./82mm	1	2555CC (2.6L) G54B	1983-1989	3.587in./91.1mmX3.858in./98mm	12
1595CC (1.6L) 4G61 DOHC	1991-1992	3.240in./82.3mmX2.953in./75mm	3	2555CC (2.6L) G54B Turbocharged	1983-1989	3.587in./91.1mmX3.858in./98mm	12
1595CC (1.6L) 4G61 DOHC Turbocharged	1989-1990	3.240in./82.3mmX2.953in./75mm	3	2555CC (2.6L) G54B Turbocharged/Intercooled	1985-1989	3.587in./91.1mmX3.858in./98mm	12
1597CC (1.6L) G32B SOHC Turbocharged	1985-1988	3.028in./76.9mmX3.386in./86mm	3	2659CC (2.7L) 4DR5 Diesel	1971-1991	3.622in./92mmX3.937in./100mm	13
1755CC (1.8L) 4G37	1989-1994	3.173in./80.6mmX3.386in./86mm	4	6 CYL			
1794CC (1.8L) G62B	1983	3.173in./80.6mmX3.465in./88mm	5	2497CC (2.5L) 6G73 24 Valve SOHC	1995	3.290in./83.5mmX2.992in./76mm	14
1794CC (1.8L) G62B Turbocharged	1984-1988	3.173in./80.6mmX3.465in./88mm	5	2972CC (3.0L) 6G72 DOHC (Nat. Asp.)	1991-1999	3.587in./91.1mmX2.992in./76mm	15
1834CC (1.8L) 4G93	1992-2001	3.189in./81mmX3.504in./89mm	6	2972CC (3.0L) 6G72 DOHC Twin Turbo	1991-1999	3.587in./91.1mmX2.992in./76mm	15
122 CID (2.0L) DOHC Chrysler	1995-1999	3.445in./87.5mmX3.268in./83mm	7	2972CC (3.0L) 6G72 SOHC 12 Valve	1988-1999	3.587in./91.1mmX2.992in./76mm	15
1997CC (2.0L) 4G63 DOHC	1989-1994	3.346in./85mmX3.465in./88mm	8	2972CC (3.0L) 6G72 SOHC 24 Valve	1994-2001	3.587in./91.1mmX2.992in./76mm	15
1997CC (2.0L) 4G63 SOHC 16 Valve	1993	3.346in./85mmX3.465in./88mm	10	3497CC (3.5L) 6G74 DOHC	1994-1996	3.661in./93mmX3.386in./86mm	16
1997CC (2.0L) 4G63 SOHC 8 Valve	1989-1992	3.346in./85mmX3.465in./88mm	8	3497CC (3.5L) 6G74 SOHC	1997-2002	3.661in./93mmX3.386in./86mm	16
1997CC (2.0L) 4G63T DOHC TURBO	1989-1999	3.346in./85mmX3.465in./88mm	8	3988CC (4.0L) 6DR5 Diesel	1970-1991	3.622in./92mmX3.937in./100mm	17
1997CC (2.0L) G63B SOHC	1983-1989	3.346in./85mmX3.465in./88mm	9				
2346CC (2.3L) 4D55 Turbocharged Diesel	1983-1985	3.587in./91.1mmX3.543in./90mm	11				
MODEL DATA							
Model	Engine	Years	Block	Model	Engine	Years	Block
2300	2346CC (2.3L) 4D55 Diesel	1983-1985	11	Expo LRV	2351CC (2.4L) 4G64 SOHC 16 Valve	1993-1994	10
2600	2555CC (2.6L) G54B	1983-1986	12	FD 15 Forklift	2659CC (2.7L) 4DR5 Diesel	1971-1991	13
3000GT	2972CC (3.0L) 6G72 SOHC 12 Valve	1997-1999	15	Galant	3988CC (4.0L) 6DR5 Diesel	1970-1991	17
3000GT	2972CC (3.0L) 6G72 DOHC (Nat. Asp.)	1991-1999	15	Galant	1997CC (2.0L) 4G63 DOHC	1989-1993	8
3000GT	2972CC (3.0L) 6G72 DOHC Twin Turbo	1991-1999	15	Galant	1997CC (2.0L) 4G63 SOHC 8 Valve	1989-1992	8
Cordia	1794CC (1.8L) G62B	1983	5	Galant	1997CC (2.0L) 4G63 SOHC 16 Valve	1993	10
Cordia	1794CC (1.8L) G62B TURBO	1984-1988	5	Galant	1997CC (2.0L) 4G63T DOHC TURBO	1991-1992	8
Cordia	1997CC (2.0L) G63B SOHC	1984-1988	9	Galant	2351CC (2.4L) G64B SOHC	1985-1987	9
Diamante	2972CC (3.0L) 6G72 SOHC 12 Valve	1992-1996	15	Galant	2351CC (2.4L) 4G64 DOHC	1994	10
Diamante	2972CC (3.0L) 6G72 DOHC (Nat. Asp.)	1992-1995	15	Galant	2351CC (2.4L) 4G64 SOHC 16 Valve	1994-1999	10
Diamante	3497CC (3.5L) 6G74 SOHC	1997-2002	16	Galant	2497CC (2.5L) 6G73 24 Valve SOHC	1995	14
Eclipse	122 CID (2.0L) DOHC Chrysler	1995-1999	7	Galant	2972CC (3.0L) 6G72 SOHC 12 Valve	1988	15
Eclipse	1755CC (1.8L) 4G37	1989-1994	4	Galant	2972CC (3.0L) 6G72 SOHC 24 Valve	1999-2001	15
Eclipse	1997CC (2.0L) 4G63 DOHC	1989-1994	8	Mighty Max	1997CC (2.0L) G63B SOHC	1983-1989	9
Eclipse	1997CC (2.0L) 4G63T DOHC TURBO	1989-1999	8	Mighty Max	2351CC (2.4L) 4G64 SOHC 8 Valve	1990-1996	10
Eclipse	2351CC (2.4L) 4G64 SOHC 16 Valve	1996-1999	10	Mighty Max	2555CC (2.6L) G54B	1984-1989	12
Eclipse	2972CC (3.0L) 6G72 SOHC 24 Valve	2000-2001	15	Mighty Max	2972CC (3.0L) 6G72 SOHC 12 Valve	1990-1995	15
Expo	2351CC (2.4L) 4G64 SOHC 8 Valve	1992	10	Mirage	1468CC (1.5L) G15B	1985-1988	2
Expo	2351CC (2.4L) 4G64 SOHC 16 Valve	1993-1995	10	Mirage	1468CC (1.5L) 4G15 8 Valve	1989-1990	1
Expo LRV	1834CC (1.8L) 4G93	1992-1995	6	Mirage	1468CC (1.5L) 4G15 12 Valve	1991-1998	1



MITSUBISHI (Cont.)											
MODEL DATA (Cont.)											
Model	Engine	Years	Block	Model	Engine	Years	Block				
Mirage	1595CC (1.6L) 4G61 DOHC TURBO	1989-1990	3	Precis	1468CC (1.5L) G4AJ 8 Valve	1987-1989	2				
				Precis	1468CC (1.5L) G4DJ 8 Valve	1990-1994	1				
Mirage	1595CC (1.6L) 4G61 DOHC	1991-1992	3	SPX	2555CC (2.6L) G54B	1987-1989	12				
Mirage	1597CC (1.6L) G32B SOHC TURBO	1985-1988	3	Sigma	2972CC (3.0L) 6G72 SOHC 12 Valve	1989-1990	15				
Mirage	1834CC (1.8L) 4G93	1993-2001	6	Starion	2555CC (2.6L) G54B	1983-1989	12				
Montero	2555CC (2.6L) G54B	1983-1989	12	Starion	2555CC (2.6L) G54B	1985-1989	12				
Montero	2972CC (3.0L) 6G72 SOHC 12 Valve	1989-1994	15	Tredia	1794CC (1.8L) G62B	1983	5				
				Tredia	1794CC (1.8L) G62B TURBO	1984-1988	5				
Montero	2972CC (3.0L) 6G72 SOHC 24 Valve	1994-1996	15	Tredia	1997CC (2.0L) G63B SOHC	1984-1988	9				
				Van	2351CC (2.4L) G64B SOHC	1987-1988	9				
Montero	3497CC (3.5L) 6G74 DOHC	1994-1996	16	Van	2351CC (2.4L) 4G64 SOHC 8 Valve	1989-1990	10				
Montero	3497CC (3.5L) 6G74 SOHC	1997-2002	16								
Montero Sport	2351CC (2.4L) 4G64 SOHC 16 Valve	1997-1999	10	Wagon	2351CC (2.4L) G64B SOHC	1987-1988	9				
Montero Sport	2972CC (3.0L) 6G72 SOHC 24 Valve	1997-2001	15	Wagon	2351CC (2.4L) 4G64 SOHC 8 Valve	1989-1990	10				
Montero Sport	3497CC (3.5L) 6G74 SOHC	1999-2002	16								
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block						
72G	2.992in./76mm	15	72W	2.992in./76mm	15						
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
4G1	3.228in./82mm	1	4K05	3.228in./82mm	1	4XCIU	3.228in./82mm	1	G54	3.858in./98mm	13
4G61	3.228in./82mm	1	4K	3.228in./82mm	1	19N	2.992in./76mm	15	T3A	2.992in./76mm	15
4G-3	3.228in./82mm	1	4XC1-U	3.228in./82mm	1	G37	3.386in./86mm	4			
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	4 CYL		
1	1468CC (1.5L) 4G15 12 Valve 4 Cyl (1991-1998)					2.972in./75.5mm x 3.228in./82mm					1
	1468CC (1.5L) 4G15 8 Valve 4 Cyl (1989-1990)					2.972in./75.5mm x 3.228in./82mm					
	1468CC (1.5L) G4DJ 8 Valve 4 Cyl (1990-1994)					2.972in./75.5mm x 3.228in./82mm					
Rod Bearing(4)	AL-3	CB-1588AL	STD.,.25mm,.50mm	1.6527/1.6535	0.0011/0.0035	0.0588	1.7717/1.7725	0.6100			
Main Bearing Set	TM-1	MS-1668P	STD.,.25mm								
1-2-4-5		MB-3049P		1.8890/1.8898	0.0011/0.0034	0.0783	2.0472/2.0480	0.7520			
3		MB-3050P(F)		1.8890/1.8898	0.0011/0.0034	0.0793	2.0472/2.0480	0.9430			
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,Partial Grooved Main Bearings											
Main Bearing Set	TM-1	MS-2075P-.25mm									
1-2-4-5		MB-3049P		1.8890/1.8898	0.0011/0.0034	0.0783	2.0472/2.0480	0.7520			
3		MB-3571P(F)		1.8890/1.8898	0.0011/0.0034	0.0783	2.0472/2.0480	0.9430			
NOTE: All Sizes Contain Standard Length Flanged Bearing,Partial Grooved Main Bearings											
C/S Forging 4K, 4G1, 4G-3, 4G61, 4K05, 4XCIU, 4XC1-U											
Connecting Rod 24 To 25 Lbs.Ft.											
Main Bearing 37 To 39 Lbs.Ft.											
2	1468CC (1.5L) G15B 4 Cyl (1985-1988)					2.972in./75.5mm x 3.228in./82mm					2
	1468CC (1.5L) G4AJ 8 Valve 4 Cyl (1987-1989)					2.972in./75.5mm x 3.228in./82mm					
Rod Bearing(4)	AL-3	CB-1278AL	STD.,.25mm,.50mm,.75mm	1.6527/1.6535	0.0011/0.0035	0.0588	1.7717/1.7725	0.6940			
NOTE: Thru 8/88											
Rod Bearing(4)	AL-3	CB-1588AL	STD.,.25mm,.50mm	1.6527/1.6535	0.0011/0.0035	0.0588	1.7717/1.7725	0.6100			
NOTE: From 8/88											
Main Bearing Set	TM-1	MS-1668P	STD.,.25mm								
1-2-4-5		MB-3049P		1.8890/1.8898	0.0011/0.0034	0.0783	2.0472/2.0480	0.7520			
3		MB-3050P(F)		1.8890/1.8898	0.0011/0.0034	0.0793	2.0472/2.0480	0.9430			
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,Partial Grooved Main Bearings											
Main Bearing Set	TM-1	MS-2075P-.25mm									
1-2-4-5		MB-3049P		1.8890/1.8898	0.0011/0.0034	0.0783	2.0472/2.0480	0.7520			
3		MB-3571P(F)		1.8890/1.8898	0.0011/0.0034	0.0783	2.0472/2.0480	0.9430			
NOTE: All Sizes Contain Standard Length Flanged Bearing,Partial Grooved Main Bearings											



MITSUBISHI (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
2 (Cont.)	1468CC (1.5L) G15B 4 Cyl (1985-1988)				2.972in./75.5mm x 3.228in./82mm				2 (Cont.)
	1468CC (1.5L) G4AJ 8 Valve 4 Cyl (1987-1989)				2.972in./75.5mm x 3.228in./82mm				
Connecting Rod	24 To 25 Lbs.Ft.								
Main Bearing	37 To 39 Lbs.Ft.								
3	1595CC (1.6L) 4G61 DOHC 4 Cyl (1991-1992)				3.240in./82.3mm x 2.953in./75mm				3
	1595CC (1.6L) 4G61 DOHC Turbocharged 4 Cyl (1989-1990)				3.240in./82.3mm x 2.953in./75mm				
	1597CC (1.6L) G32B SOHC Turbocharged 4 Cyl (1985-1988)				3.028in./76.9mm x 3.386in./86mm				
Rod Bearing(4)	AL-6	CB-1120AL	STD.,.25mm,.50mm,.75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250	
Main Bearing Set	TM-1	MS-2076P	STD.,.25mm,.50mm						
1-2-4-5		MB-2869P		2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	0.9060	
3		MB-3572P(F)		2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	1.1400	
NOTE: All Sizes Contain Standard Length Flanged Bearing									
Balance Shaft Bearing Set	AL-3	SH-1465S	STD						
RH; Front		SH-1465		1.5344	0.0008/0.0030	0.0593	1.6545	0.7580	
RH; LH Rear		SH-1466		1.4164	0.0017/0.0039	0.0589	1.5364	0.6300	
Connecting Rod	23 To 25 Lbs.Ft.								
Main Bearing	36 To 39 Lbs.Ft.								
4	1755CC (1.8L) 4G37 4 Cyl (1989-1994)				3.173in./80.6mm x 3.386in./86mm				4
Rod Bearing(4)	AL-6	CB-1120AL	STD.,.25mm,.50mm,.75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250	
Main Bearing Set	TM-1	MS-2076P	STD.,.25mm,.50mm						
1-2-4-5		MB-2869P		2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	0.9060	
3		MB-3572P(F)		2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	1.1400	
NOTE: All Sizes Contain Standard Length Flanged Bearing									
C/S Forging	G37								
Connecting Rod	23 To 25 Lbs.Ft.								
Main Bearing	36 To 39 Lbs.Ft.								
5	1794CC (1.8L) G62B 4 Cyl (1983)				3.173in./80.6mm x 3.465in./88mm				5
	1794CC (1.8L) G62B Turbocharged 4 Cyl (1984-1988)				3.173in./80.6mm x 3.465in./88mm				
Rod Bearing(4)	AL-6	CB-1120AL	STD.,.25mm,.50mm,.75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250	
Main Bearing Set	TM-1	MS-2076P	STD.,.25mm,.50mm						
1-2-4-5		MB-2869P		2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	0.9060	
3		MB-3572P(F)		2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	1.1400	
NOTE: All Sizes Contain Standard Length Flanged Bearing									
Balance Shaft Bearing Set	AL-3	SH-1467S	STD						
RH; Front		SH-1467		1.6526	0.0010/0.0031	0.0593	1.7726	0.7480	
RH; LH Rear		SH-1468		1.6129	0.0010/0.0031	0.0589	1.7333	0.8268	
6	1834CC (1.8L) 4G93 4 Cyl (1992-2001)				3.189in./81mm x 3.504in./89mm				6
Rod Bearing(4)	AL-3	CB-1782AL	STD.,.25mm,.50mm	1.7709/1.7717	0.0008/0.0034	0.0588	1.8896/1.8904	0.6614	
Main Bearing Set	AL-3	MS-2213AL	STD.,.25mm,.50mm						
1-2-3-4-5		MB-3767AL		1.9679/1.9685	0.0008/0.0031	0.0785	2.1260/2.1267	0.7531	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-605S									
Thrust Washer Set		TW-605S	STD						
		MB-3763W		2.2047/2.2146			2.9665/2.9764	0.0778	
NOTE: Use With Part Number MS-2213AL									
7	122 CID (2.0L) DOHC Chrysler 4 Cyl (1995-1999)				3.445in./87.5mm x 3.268in./83mm				7
Rod Bearing(4)	TM-77	CB-1635P	STD.,.25mm,.50mm	1.8894/1.8900	0.0010/0.0023	0.0584	2.0075/2.0081	0.8060	
Rod Bearing(4)	TM-77	CB-1788P-.25mm	.50mm	1.8894/1.8900	0.0006/0.0028	0.0594	2.0095/2.0101	0.8060	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	TM-77	MS-2028P	STD.,.25mm,.50mm						
1-2-4-5		MB-4001P		2.0469/2.0475	0.0008/0.0024	0.0782	2.2046/2.2050	0.7860	
3		MB-4000P(F)		2.0469/2.0475	0.0008/0.0024	0.0784	2.2046/2.2050	1.0340	
NOTE: Bearing Caps May Require Notching, Grooved Upper Halves Plain Lower Halves									
Main Bearing Set	TM-77	MS-2257P	STD.,.25mm,.50mm						
1-2-4-5		MB-4001P		2.0469/2.0475	0.0008/0.0024	0.0782	2.2046/2.2050	0.7860	
3		MB-4000P(F)		2.0469/2.0475	0.0008/0.0024	0.0784	2.2046/2.2050	1.0340	
NOTE: Bearing Caps May Require Notching, Full Grooved Main Bearings									
Connecting Rod	20 Lbs.Ft. Plus 90 Degrees								



MITSUBISHI (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
8	1997CC (2.0L) 4G63T DOHC TURBO Turbocharged/Intercooled 4 Cyl (1989-1999)			3.346in./85mm x 3.465in./88mm				8
	1997CC (2.0L) 4G63 DOHC 4 Cyl (1989-1994)			3.346in./85mm x 3.465in./88mm				
	1997CC (2.0L) 4G63 SOHC 8 Valve 4 Cyl (1989-1992)			3.346in./85mm x 3.465in./88mm				
Rod Bearing(4) NOTE: Thru 3/92	AL-6	CB-1120AL	STD.,25mm.,50mm.,75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250
Rod Bearing(4) NOTE: From 4/92	TM-77	CB-1643P	STD.,25mm.,50mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.8010
Main Bearing Set 1-2-4-5 3 NOTE: From 4/92, All Sizes Contain Standard Length Flanged Bearing	TM-1	MS-2039P MB-3504P MB-3505P(F)	STD.,25mm.,50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.8050 1.0040
Main Bearing Set 1-2-4-5 3 NOTE: Thru 3/92, All Sizes Contain Standard Length Flanged Bearing	AL-6	MS-2076P MB-2869P MB-3572P(F)	STD.,25mm.,50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.9060 1.1400
Main Bearing Set 1-2-3-4-5 NOTE: 1997-1999, Engines Equipped With Thrust Washers, Requires Thrust Washer Set, Not Included, Use With Part Number TW-677S	TM-1	MS-2261P MB-3504P	STD.,25mm.,50mm	2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	0.8050
Thrust Washer Set 3 NOTE: 1997-1999, Contains 2 Pieces, Use With Part Number MS-2261P		TW-677S MB-3854W	STD	2.4842/2.4941			3.1693/3.1791	0.0830
Balance Shaft Bearing Set LH; Rear RH; Front RH; Rear	AL-3	SH-1469S SH-1468 SH-1467 SH-1469	STD	1.6129 1.6526 1.6129	0.0010/0.0031 0.0010/0.0031 0.0010/0.0031	0.0589 0.0593 0.0589	1.7333 1.7726 1.7333	0.8268 0.7480 0.8268
Connecting Rod Main Bearing	23 To 25 Lbs.Ft. 36 To 39 Lbs.Ft.							
9	1997CC (2.0L) G63B SOHC 4 Cyl (1983-1989)			3.346in./85mm x 3.465in./88mm				9
	2351CC (2.4L) G64B SOHC 4 Cyl (1985-1988)			3.406in./86.5mm x 3.937in./100mm				
Rod Bearing(4)	AL-6	CB-1120AL	STD.,25mm.,50mm.,75mm,1.00mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.9250
Main Bearing Set 1-2-4-5 3 NOTE: All Sizes Contain Standard Length Flanged Bearing	AL-6	MS-2076P MB-2869P MB-3572P(F)	STD.,25mm.,50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783 0.0783	2.4016/2.4024 2.4016/2.4024	0.9060 1.1400
Balance Shaft Bearing Set RH; Front RH; LH Rear NOTE: Thru 7/85	AL-3	SH-1467S SH-1467 SH-1468	STD	1.6526 1.6129	0.0010/0.0031 0.0010/0.0031	0.0593 0.0589	1.7726 1.7333	0.7480 0.8268
Balance Shaft Bearing Set LH; Rear RH; Front RH; Rear NOTE: From 8/85	AL-3	SH-1469S SH-1468 SH-1467 SH-1469	STD	1.6129 1.6526 1.6129	0.0010/0.0031 0.0010/0.0031 0.0010/0.0031	0.0589 0.0593 0.0589	1.7333 1.7726 1.7333	0.8268 0.7480 0.8268
Connecting Rod Main Bearing	23 To 25 Lbs.Ft. 36 To 39 Lbs.Ft.							



MITSUBISHI (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
10	1997CC (2.0L) 4G63 SOHC 16 Valve 4 Cyl (1993) 2351CC (2.4L) 4G64 SOHC 16 Valve 4 Cyl (1993-1999) 2351CC (2.4L) 4G64 DOHC 4 Cyl (1994) 2351CC (2.4L) 4G64 SOHC 8 Valve 4 Cyl (1989-1996)				3.346in./85mm x 3.465in./88mm 3.406in./86.5mm x 3.937in./100mm 3.406in./86.5mm x 3.937in./100mm 3.406in./86.5mm x 3.937in./100mm			10
Rod Bearing(4) NOTE: Thru 4/97	TM-77	CB-1643P	STD, .25mm, .50mm	1.7710/1.7717	0.0006/0.0030	0.0588	1.8897/1.8905	0.8010
Main Bearing Set 1-2-4-5 3 NOTE: Thru 4/97, All Sizes Contain Standard Length Flanged Bearing	TM-1	MS-2039P MB-3504P MB-3505P(F)	STD, .25mm, .50mm	2.2435/2.2441 2.2435/2.2441	0.0008/0.0032 0.0008/0.0032	0.0783	2.4016/2.4024	0.8050 1.0040
Main Bearing Set 1-2-3-4-5 NOTE: For 1997 and Up, Engines Equipped With Thrust Washers, Requires Thrust Washer Set, Not Included, Use With Part Number TW-677S	TM-1	MS-2261P MB-3504P	STD, .25mm, .50mm	2.2435/2.2441	0.0008/0.0032	0.0783	2.4016/2.4024	0.8050
Thrust Washer Set 3 NOTE: Contains 2 Pieces, Use With Part Number MS-2261P		TW-677S MB-3854W	STD	2.4842/2.4941			3.1693/3.1791	0.0830
Balance Shaft Bearing Set LH; Rear RH; Front RH; Rear	AL-3	SH-1469S SH-1468 SH-1467 SH-1469	STD	1.6129 1.6526 1.6129	0.0010/0.0031 0.0010/0.0031 0.0010/0.0031	0.0589 0.0593 0.0589	1.7333 1.7726 1.7333	0.8268 0.7480 0.8268
Connecting Rod Main Bearing	23 To 25 Lbs.Ft. 36 To 39 Lbs.Ft.							
11	2346CC (2.3L) 4D55 Turbocharged Diesel 4 Cyl (1983-1985)				3.587in./91.1mm x 3.543in./90mm			11
Rod Bearing(4) NOTE: Turbocharged	AL-3	CB-1220P	STD, .25mm, .50mm, .75mm, 1.00mm	2.0858/2.0866	0.0005/0.0028	0.0590	2.2047/2.2055	0.9840
Main Bearing Set 1-2-4-5 3 NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing, .75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing, Turbocharged	TM-1	MS-1430P MB-2751P MB-2752P(F)	STD, .50mm	2.5976/2.5984 2.5976/2.5984	0.0010/0.0037 0.0010/0.0037	0.0782	2.7559/2.7567	0.9840 1.2190
Connecting Rod Main Bearing	33 To 34 Lbs.Ft. 55 To 61 Lbs.Ft.							
12	2555CC (2.6L) G54B Turbocharged 4 Cyl (1983-1989) 2555CC (2.6L) G54B Turbocharged/Intercooled 4 Cyl (1985-1989) 2555CC (2.6L) G54B 4 Cyl (1983-1989)				3.587in./91.1mm x 3.858in./98mm 3.587in./91.1mm x 3.858in./98mm 3.587in./91.1mm x 3.858in./98mm			12
Rod Bearing(4)	AL-3	CB-1220P	STD, .25mm, .50mm, .75mm, 1.00mm	2.0858/2.0866	0.0005/0.0028	0.0590	2.2047/2.2055	0.9840
Main Bearing Set 1-2-4-5 3 NOTE: All Sizes Contain Standard Length Flanged Bearing	AL-3	MS-1945AL MB-3053AL MB-3339AL(F)	STD, .25mm, .50mm, .75mm	2.3614/2.3622 2.3614/2.3622	0.0011/0.0037 0.0011/0.0037	0.0783	2.5197/2.5205	0.9890 1.2190
Aux. Shaft Bearing Set Left Front Left/Right Rear NOTE: Left Front Bushing Only Available In Std Size Even In Undersize Set Due To Small Shaft Diameter, Requires Boring The Left Front Balance Shaft Housing To 1.0236"/1.0244" Outside Diameter	AL-3	SH-1429S SH-1760 SH-1429	STD, .25mm	0.9039/0.9047 1.6933/1.6939	0.0008/0.0034 0.0013/0.0037	0.0593 0.0585	1.0236/1.0244 1.8122/1.8130	0.7090 0.7950
C/S Forging	G54							
Connecting Rod Main Bearing	33 To 34 Lbs.Ft. 55 To 61 Lbs.Ft.							
13	2659CC (2.7L) 4DR5 Diesel 4 Cyl (1971-1991)				3.622in./92mm x 3.937in./100mm			13
Rod Bearing(4)	TM-1	CB-1261P	STD	2.2813/2.2821	0.0014/0.0032	0.0787	2.4409/2.4417	1.1020
Main Bearing Set 1-2-3-4-5 NOTE: Requires Thrust Washer Set, Not Included	TM-1	MS-1712P MB-3115P	STD, .25mm	2.7533/2.7541	0.0018/0.0033	0.0787	2.9134/2.9142	1.1020
Connecting Rod Main Bearing	61 To 69 Lbs.Ft. 72 To 80 Lbs.Ft.							



MITSUBISHI (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
13 (Cont.)	2659CC (2.7L) 4DR5 Diesel 4 Cyl (1971-1991)			3.622in./92mm x 3.937in./100mm					13 (Cont.)
Connecting Rod		33 To 34 Lbs.Ft.							
Main Bearing		55 To 61 Lbs.Ft.							
6 CYL									
14	2497CC (2.5L) 6G73 24 Valve SOHC V6 Cyl (1995)			3.290in./83.5mm x 2.992in./76mm					14
Rod Bearing(6)		TM-77	CB-1411P	STD,.25mm,.50mm,.75mm	1.9677/1.9685	0.0009/0.0027	0.0587	2.0866/2.0868	0.6120
Main Bearing Set 1-2-3-4		TM-1	MS-2239P MB-3813P	STD,.25mm,.50mm	2.3614/2.3622	0.0008/0.0034	0.0783	2.5197/2.5205	0.7140
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-458S									
Thrust Washer Set		TW-458S MB-3108W(L) MB-3108W(U)		STD	2.5984/2.6083 2.5984/2.6083		3.0492/3.0594 3.0492/3.0594	0.0778 0.0778	
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2239P									
15	2972CC (3.0L) 6G72 DOHC (Nat. Asp.) V6 Cyl (1991-1999) 2972CC (3.0L) 6G72 DOHC Twin Turbo Turbocharged V6 Cyl (1991-1999) 2972CC (3.0L) 6G72 SOHC 12 Valve V6 Cyl (1988-1999) 2972CC (3.0L) 6G72 SOHC 24 Valve V6 Cyl (1994-2001)			3.587in./91.1mm x 2.992in./76mm 3.587in./91.1mm x 2.992in./76mm 3.587in./91.1mm x 2.992in./76mm 3.587in./91.1mm x 2.992in./76mm					15
Rod Bearing(6)		TM-77	CB-1411P	STD,.25mm,.50mm,.75mm	1.9677/1.9685	0.0009/0.0027	0.0587	2.0866/2.0868	0.6120
Main Bearing Set 1-2-3-4		TM-77	MS-2226P MB-3791P	STD,.25mm,.50mm,.75mm	2.3614/2.3622	0.0007/0.0034	0.0784	2.5197/2.5204	0.7120
NOTE: 2972CC (3.0L) 6G72 DOHC (Nat. Asp.) (1991-1999), 2972CC (3.0L) 6G72 DOHC Twin Turbo (1991-1999), 2972CC (3.0L) 6G72 SOHC 12 Valve (1988-1998), 2972CC (3.0L) 6G72 SOHC 24 Valve (1994-1998), Use With Part Number TW-458S									
Thrust Washer Set		TW-458S MB-3108W(L) MB-3108W(U)		STD	2.5984/2.6083 2.5984/2.6083		3.0492/3.0594 3.0492/3.0594	0.0778 0.0778	
NOTE: 2972CC (3.0L) 6G72 DOHC (Nat. Asp.) (1991-1998), 2972CC (3.0L) 6G72 DOHC Twin Turbo (1991-1998), 2972CC (3.0L) 6G72 SOHC 12 Valve (1988-1999), 2972CC (3.0L) 6G72 SOHC 24 Valve (1994-1998;1999-2001), Contains 4 Pieces, Position Number 3									
Rod Forging		72G, 72W							
C/S Forging		19N, T3A							
Connecting Rod		38 Lbs.Ft.							
Main Bearing		60 Lbs.Ft.							
16	3497CC (3.5L) 6G74 SOHC V6 Cyl (1997-2002) 3497CC (3.5L) 6G74 DOHC V6 Cyl (1994-1996)			3.661in./93mm x 3.386in./86mm 3.661in./93mm x 3.386in./86mm					16
Rod Bearing(6)		TM-1	CB-1832P	STD,.25mm,.50mm	2.1646/2.1653	0.0008/0.0020	0.0589	2.2835/2.2842	0.6100
Main Bearing Set 1-2-3-4		TM-1	MS-2238P MB-3811P	STD,.25mm,.50mm	2.5190/2.5197	0.0004/0.0023	0.0785	2.6772/2.6774	0.6740
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-617S									
Thrust Washer Set 3		TW-617S MB-3812W		STD	2.7598/2.7697		3.7106/3.7205	0.0770	
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-2238P									
17	3988CC (4.0L) 6DR5 Diesel 6 Cyl (1970-1991)			3.622in./92mm x 3.937in./100mm					17
Rod Bearing(6)		TM-1	CB-1261P	STD	2.2813/2.2821	0.0014/0.0032	0.0787	2.4409/2.4417	1.1020
Connecting Rod		61 To 69 Lbs.Ft.							
Main Bearing		72 To 80 Lbs.Ft.							
Main Bearing Set 1-2-4-5 3		TM-1	MS-1430P MB-2751P MB-2752P(F)	STD,.50mm	2.5976/2.5984 2.5976/2.5984	0.0010/0.0037 0.0010/0.0037	0.0782 0.0782	2.7559/2.7567 2.7559/2.7567	0.9840 1.2190
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing, Turbocharged									



MORRIS											
ENGINE DATA											
Engine	Years	Bore & Stroke		Block	Engine	Years	Bore & Stroke		Block		
4 CYL					4 CYL (Cont.)						
948CC (0.9L) Austin	1957-1962	2.478in./62.9mmX2.992in./76mm		1	1489CC (1.5L)	1954-1961	2.874in./73mmX3.504in./89mm		2		
1098CC (1.1L) Austin	1962-1971	2.542in./64.6mmX3.307in./84mm		1	1622CC (1.6L)	1962-1966	3.000in./76.2mmX3.504in./89mm		2		
1198CC (1.2L)	1954-1959	2.539in./64.5mmX3.504in./89mm		2							
MODEL DATA											
Model	Engine	Years	Block	Model	Engine	Years	Block				
Cowley	1198CC (1.2L)	1954-1959	2	Minor	1098CC (1.1L) Austin	1962-1971	1				
Cowley	1489CC (1.5L)	1957-1961	2	Oxford	1489CC (1.5L)	1954-1961	2				
J2	1489CC (1.5L)	1954-1961	2	Oxford	1622CC (1.6L)	1962-1966	2				
J4	1489CC (1.5L)	1954-1961	2	Pickup	1489CC (1.5L)	1957-1961	2				
Minibus	1489CC (1.5L)	1957-1961	2	Saloon	1622CC (1.6L)	1962-1966	2				
Minor	948CC (0.9L) Austin	1957-1962	1								
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
17009	2.992in./76mm	1	17010	2.992in./76mm	1	G-124	3.307in./84mm	1	G-127	3.307in./84mm	1
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
2A-717-A	2.992in./76mm	1	11F-74-CF	3.504in./89mm	2	BB-38-AX	3.504in./89mm	2	PG-38-A	3.504in./89mm	2
2A-829	2.992in./76mm	1	11G-74	2.992in./76mm	1	BE-53-B	2.992in./76mm	1			
11C-74	2.992in./76mm	1	11G-74-CF	3.504in./89mm	2	BT-79-3	3.504in./89mm	2			
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length			
4 CYL											
1	948CC (0.9L) Austin 4 Cyl (1957-1962)					2.478in./62.9mm x 2.992in./76mm					1
	1098CC (1.1L) Austin 4 Cyl (1962-1971)					2.542in./64.6mm x 3.307in./84mm					
Rod Bearing(4)	VP-2	CB-488P	STD,10,20	1.6254/1.6259	0.0013/0.0033	0.0719	1.7705/1.7710	0.8800			
Rod Forging	17009, 17010, G-124, G-127										
C/S Forging	11C-74, 11G-74, 2A-829, BE-53-B, 2A-717-A										
Connecting Rod	35 Lbs.Ft.										
2	1198CC (1.2L) 4 Cyl (1954-1959)					2.539in./64.5mm x 3.504in./89mm					2
	1489CC (1.5L) 4 Cyl (1954-1961)					2.874in./73mm x 3.504in./89mm					
	1622CC (1.6L) 4 Cyl (1962-1966)					3.000in./76.2mm x 3.504in./89mm					
Rod Bearing(4)	AL-3	CB-487AL	20	1.8759/1.8764	0.0015/0.0031	0.0718	2.0210/2.0215	1.0050			
C/S Forging	BT-79-3, PG-38-A, BB-38-AX, 11F-74-CF, 11G-74-CF										
Connecting Rod	23 To 35 Lbs.Ft.										
NAVISTAR/INTERNATIONAL											
ENGINE DATA											
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block				
4-152 International 152 CID (2.5L)				6 CYL (Cont.)							
4-196 International 196 CID (3.2L)											
Comanche Four International 152 CID (2.5L)											
Turbo III International 152 CID (2.5L) Turbocharged											
6 CYL											
6-33 Nissan 198 CID (3.2L) Diesel											
6-33T Nissan 198 CID (3.2L) Diesel Turbocharged											
American Motors 258 CID (4.2L)											
BD220 International 220 CID (3.6L)											
BD240 International 240 CID (3.9L)											
BD264 International 264 CID (4.3L)											
BD282 International 282 CID (4.6L)											
BD282 International 282 CID (4.6L) LPG											
BD308 International 308 CID (5.0L)											
BG220 International 220 CID (3.6L)											
BG241 International 241 CID (3.9L) LPG											
BG241 International 241 CID (3.9L)											
BG265 International 265 CID (4.3L)											
BLD250 International 250 CID (4.1L)											
BLD269 International 269 CID (4.4L)											
BLD269A International 269 CID (4.4L)											
D301 International 301 CID (4.9L) Diesel											
DT360 International 360 CID (5.9L) Diesel Turbocharged											
DT408P International 408 CID (6.7L) Diesel Turbocharged/Intercooled											



NAVISTAR/INTERNATIONAL (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			8 CYL		
DT466 International 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	14	Navistar 420 CID (6.9L) Diesel	4.000in./101.6mmX4.180in./106.2mm	24
DT466B International 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	15	International 551 CID (9.0L) Diesel	4.510in./114.6mmX4.313in./109.6mm	28
DT466C International 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	16	D150 International 549 CID (9.0L) Diesel	4.500in./114.3mmX4.313in./109.6mm	26
DT466E International 466 CID (7.6L) Diesel Turbocharged/Intercooled	4.300in./109.2mmX5.350in./135.9mm	17	D170 International 549 CID (9.0L) Diesel	4.500in./114.3mmX4.313in./109.6mm	26
DT466NGD International 466 CID (7.6L) CNG Turbocharged	4.300in./109.2mmX5.350in./135.9mm	12	D190 International 549 CID (9.0L) Diesel	4.500in./114.3mmX4.313in./109.6mm	26
DT466P Navistar 466 CID (7.6L) Diesel Turbocharged/Intercooled	4.300in./109.2mmX5.350in./135.9mm	18	DV462 International 461 CID (7.6L) Diesel	4.125in./104.8mmX4.313in./109.6mm	26
DTA360 International 360 CID (5.9L) Diesel Turbocharged	3.875in./98.4mmX5.085in./129.2mm	10	DV462B International 461 CID (7.6L) Diesel	4.125in./104.8mmX4.313in./109.6mm	26
DTA466C International 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	16	DV550 International 549 CID (9.0L) Diesel	4.500in./114.3mmX4.313in./109.6mm	26
DTI466B International 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	15	DV550B International 549 CID (9.0L) Diesel	4.500in./114.3mmX4.313in./109.6mm	26
DTI466C International 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	16	DVT573 International 573 CID (9.4L) Diesel Turbocharged	4.500in./114.3mmX4.500in./114.3mm	29
FBC401 International 401 CID (6.6L) Diesel	4.125in./104.8mmX3.750in./95.3mm	11	DVT573 International 573 CID (9.4L) Diesel Turbocharged	4.500in./114.3mmX4.500in./114.3mm	29
FE6 Nissan 6925CC (6.9L) Diesel	4.252in./108mmX4.961in./126mm	13	DVTI573B International 573 CID (9.4L) Diesel Turbocharged	4.500in./114.3mmX4.500in./114.3mm	29
FE6T Nissan 6925CC (6.9L) Diesel Turbocharged	4.252in./108mmX4.961in./126mm	13	FTV549 International 549 CID (9.0L)	4.500in./114.3mmX4.313in./109.6mm	22
GRD175/HD174 International 175 CID (2.9L)	3.000in./76.2mmX4.125in./104.8mm	2	FTVS549 International 549 CID (9.0L)	4.500in./114.3mmX4.313in./109.6mm	22
GRD175A International 175 CID (2.9L)	3.000in./76.2mmX4.125in./104.8mm	2	Indirect Injection International 444 CID (7.3L) Diesel	4.110in./104.4mmX4.180in./106.2mm	24
GRD233 International 233 CID (3.8L)	3.313in./84.2mmX4.500in./114.3mm	2	MV404 International 404 CID (6.6L)	4.125in./104.8mmX3.750in./95.3mm	23
GRD233A International 233 CID (3.8L)	3.313in./84.2mmX4.500in./114.3mm	2	MV446 International 446 CID (7.3L)	4.125in./104.8mmX4.188in./106.4mm	23
HD3 International 213 CID (3.5L)	3.313in./84.2mmX4.125in./104.8mm	2	T444E (Power Stroke) D.I. Turbo	4.110in./104.4mmX4.180in./106.2mm	25
HD4 International 213 CID (3.5L)	3.313in./84.2mmX4.125in./104.8mm	2	International 444 CID (7.3L) Diesel Turbocharged/Intercooled		
HD232 International 233 CID (3.8L)	3.313in./84.2mmX4.500in./114.3mm	2	V266 International 266 CID (4.4L)	3.625in./92.1mmX3.219in./81.8mm	19
HD232A International 233 CID (3.8L)	3.313in./84.2mmX4.500in./114.3mm	2	V304 International 304 CID (5.0L)	3.875in./98.4mmX3.219in./81.8mm	19
I530E International 530 CID (8.7L) Diesel Turbocharged	4.587in./116.5mmX5.350in./135.9mm	18	V304 International 304 CID (5.0L) LPG	3.875in./98.4mmX3.219in./81.8mm	19
I530P International 530 CID (8.7L) Diesel Turbocharged/Intercooled	4.587in./116.5mmX5.350in./135.9mm	12	V345 International 345 CID (5.6L)	3.875in./98.4mmX3.656in./92.9mm	19
PT6 International 232 CID (3.8L)	3.750in./95.3mmX3.500in./88.9mm	6	V345LPG International 345 CID (5.6L) LPG	3.875in./98.4mmX3.656in./92.9mm	19
RD372 International 372 CID (6.1L)	4.375in./111.1mmX4.125in./104.8mm	9	V392 International 392 CID (6.4L)	4.125in./104.8mmX3.656in./92.9mm	19
RD372 International 372 CID (6.1L) LPG	4.375in./111.1mmX4.125in./104.8mm	9	V392LPG International 392 CID (6.4L) LPG	4.125in./104.8mmX3.656in./92.9mm	19
RD406 International 406 CID (6.7L)	4.375in./111.1mmX4.500in./114.3mm	9	V400 International 400 CID (6.6L)	4.165in./105.8mmX3.680in./93.5mm	21
RD406 International 406 CID (6.7L) LPG	4.375in./111.1mmX4.500in./114.3mm	9	V401 International 401 CID (6.6L)	4.125in./104.8mmX3.750in./95.3mm	22
RD450 International 451 CID (7.4L)	4.375in./111.1mmX5.000in./127mm	9	V461 International 461 CID (7.6L)	4.125in./104.8mmX4.313in./109.6mm	22
RD450LPG International 450 CID (7.4L) LPG	4.375in./111.1mmX5.000in./127mm	9	V478 International 478 CID (7.8L)	4.500in./114.3mmX3.750in./95.3mm	22
RD501 International 501 CID (8.2L)	4.500in./114.3mmX5.250in./133.4mm	9	V537 International 537 CID (8.8L)	4.625in./117.5mmX4.000in./101.6mm	27
RD501LPG International 501 CID (8.2L) LPG	4.500in./114.3mmX5.250in./133.4mm	9	V549 International 549 CID (9.0L)	4.500in./114.3mmX4.313in./109.6mm	22
RED318 International 318 CID (5.2L)	3.875in./98.4mmX4.500in./114.3mm	9	V549LPG International 549 CID (9.0L) LPG	4.500in./114.3mmX4.313in./109.6mm	22
RED361 International 361 CID (5.9L)	4.125in./104.8mmX4.500in./114.3mm	9	V800 International 798 CID (13.1L) Diesel Turbocharged	5.313in./135mmX4.500in./114.3mm	29
RED401 International 401 CID (6.6L)	4.125in./104.8mmX5.000in./127mm	9	VS401 International 401 CID (6.6L)	4.125in./104.8mmX3.750in./95.3mm	22
RED401B International 401 CID (6.6L)	4.125in./104.8mmX5.000in./127mm	9	VS478 International 478 CID (7.8L)	4.500in./114.3mmX3.750in./95.3mm	22
RED450 International 450 CID (7.4L)	4.375in./111.1mmX5.000in./127mm	9	VS549 International 549 CID (9.0L)	4.500in./114.3mmX4.313in./109.6mm	22
SD220 International 220 CID (3.6L)	3.563in./90.5mmX3.688in./93.7mm	5	VS549LPG International 549 CID (9.0L) LPG	4.500in./114.3mmX4.313in./109.6mm	22
SD220 International 220 CID (3.6L) LPG	3.563in./90.5mmX3.688in./93.7mm	5	VT365 International 363 CID/5954CC (6.0L) Diesel Turbocharged/Intercooled	3.740in./95mmX4.134in./105mm	20
SD240 International 240 CID (3.9L)	3.563in./90.5mmX4.016in./102mm	5			
SD240 International 240 CID (3.9L) LPG	3.563in./90.5mmX4.016in./102mm	5			

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
207	3.906in./99.2mm	6	62930R4	4.500in./114.3mm	7	11870H	4.500in./114.3mm	7	118701HA	4.125in./104.8mm	9
352	3.906in./99.2mm	6	62930R5	4.500in./114.3mm	7	118701H	5.000in./127mm	9	118701HA	5.250in./133.4mm	9
707	3.906in./99.2mm	6	70009R1	4.016in./102mm	5	118701H	4.500in./114.3mm	9	133512R3	4.313in./109.6mm	22
1820YA	4.500in./114.3mm	2	70009R1	3.688in./93.7mm	5	118701H	4.125in./104.8mm	9	133512R3	3.750in./95.3mm	22
5998R1	4.500in./114.3mm	2	70009R1	4.125in./104.8mm	5	118701H	5.250in./133.4mm	9	133521R3	4.313in./109.6mm	22
60832B	4.500in./114.3mm	2	70009R2	4.016in./102mm	5	118701HA	5.000in./127mm	9	133521R3	3.750in./95.3mm	22
62930R1	4.500in./114.3mm	7	70009R2	4.125in./104.8mm	5	118701HA	4.500in./114.3mm	9	133524R3	4.313in./109.6mm	22



NAVISTAR/INTERNATIONAL (Cont.)											
CONNECTING ROD FORGING NUMBERS (Cont.)											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
133524R3	3.750in./95.3mm	22	367406R1	4.391in./111.5mm	8	3172341	3.906in./99.2mm	6	C-126111	4.500in./114.3mm	9
216114R1	3.656in./92.9mm	19	391320	4.500in./114.3mm	2	3173210	3.906in./99.2mm	6	FD-59998R1	4.500in./114.3mm	2
278712C1	4.313in./109.6mm	28	427216C1	4.313in./109.6mm	28	3182749	3.906in./99.2mm	6			
306280R1	4.391in./111.5mm	8	489300	4.313in./109.6mm	28	3191739	3.680in./93.5mm	21			
309253C1	3.656in./92.9mm	19	1816619C1	4.180in./106.2mm	25	3215845	3.680in./93.5mm	21			
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1A	5.350in./135.9mm	16	83917R3	4.125in./104.8mm	9	151327R1	3.656in./92.9mm	19	1805420C1	5.085in./129.2mm	10
1A	5.085in./129.2mm	10	93917R1	5.000in./127mm	9	151327R2	3.656in./92.9mm	19	1809954C1	5.350in./135.9mm	16
1AA	5.350in./135.9mm	16	93917R1	4.125in./104.8mm	9	151328R2	3.656in./92.9mm	19	1809954C1	5.085in./129.2mm	10
1AA	5.085in./129.2mm	10	93917R3	5.000in./127mm	9	166088R1	4.125in./104.8mm	5	1812320C91	5.350in./135.9mm	16
2 MAE	5.350in./135.9mm	16	93917R3	4.125in./104.8mm	9	242880R91	3.750in./95.3mm	22	1812320C91	5.085in./129.2mm	10
2 MAE	5.085in./129.2mm	10	116447H	4.500in./114.3mm	7	242881R91	3.750in./95.3mm	22	1816975C1	5.350in./135.9mm	16
2MAE	5.350in./135.9mm	16	118528H	4.500in./114.3mm	9	242882R91	4.313in./109.6mm	22	1816975C1	5.085in./129.2mm	10
2MAE	5.085in./129.2mm	10	118528H	5.250in./133.4mm	9	267267R1	4.391in./111.5mm	8	1818200C3	4.180in./106.2mm	25
188A	5.350in./135.9mm	16	118530H	5.000in./127mm	9	289878C91	3.750in./95.3mm	22	3124725	3.680in./93.5mm	21
188A	5.085in./129.2mm	10	118530H	3.750in./95.3mm	22	296733C91	4.313in./109.6mm	22	3190079	3.680in./93.5mm	21
202B	5.350in./135.9mm	16	118530R1	4.313in./109.6mm	22	315712R3	4.391in./111.5mm	8	3190792	3.680in./93.5mm	21
202B	5.085in./129.2mm	10	123441R3	4.313in./109.6mm	22	317268G1	3.656in./92.9mm	1	3190793	3.680in./93.5mm	21
1784YD	4.500in./114.3mm	2	125932R1	4.500in./114.3mm	7	320185R1	4.391in./111.5mm	8	3190797	3.680in./93.5mm	21
60835H	4.500in./114.3mm	2	129532R1	4.500in./114.3mm	7	323882R11	4.391in./111.5mm	8	3190798	3.680in./93.5mm	21
60835HA	4.500in./114.3mm	2	131440R3	3.750in./95.3mm	22	365712R1	3.219in./81.76mm	1	3196921	3.680in./93.5mm	21
60835HB	4.500in./114.3mm	2	131850R1	5.250in./133.4mm	9	365712R2	3.219in./81.76mm	1	3196922	3.680in./93.5mm	21
70115R1	3.688in./93.7mm	5	133440R1	3.750in./95.3mm	22	367267R1	4.391in./111.5mm	8	3199738C	3.906in./99.2mm	6
70115R3	3.688in./93.7mm	5	133440R3	3.750in./95.3mm	22	391930	3.219in./81.8mm	19	3199798	3.906in./99.2mm	6
70118R1	4.016in./102mm	5	133441R1	4.313in./109.6mm	22	446530	4.180in./106.2mm	24	3199842	3.680in./93.5mm	21
70118R1	3.688in./93.7mm	5	133441R3	4.313in./109.6mm	22	446530C1	4.180in./106.2mm	24	3208795	3.680in./93.5mm	21
74062R1	4.125in./104.8mm	7	133894R1	4.313in./109.6mm	22	446531C1	4.180in./106.2mm	24	3214723	3.906in./99.2mm	6
74962R1	4.125in./104.8mm	7	133894R3	4.313in./109.6mm	22	817268R1	3.656in./92.9mm	1	3220411	3.680in./93.5mm	21
82856	4.313in./109.6mm	22	133894R4	4.313in./109.6mm	22	836712R2	3.219in./81.76mm	1	3235477	3.906in./99.2mm	6
83917R1	5.000in./127mm	9	141779R1	4.125in./104.8mm	5	837719R1	5.000in./127mm	9	4487238	3.680in./93.5mm	21
83917R1	4.125in./104.8mm	9	141780R1	4.125in./104.8mm	5	837719R1	4.125in./104.8mm	9	CF446-766C-1	3.750in./95.3mm	23
83917R2	5.000in./127mm	9	151045R1	3.219in./81.8mm	19	852856	4.313in./109.6mm	22	RD67703	3.906in./99.2mm	6
83917R2	4.125in./104.8mm	9	151046R1	3.219in./81.8mm	19	863712	3.219in./81.76mm	1			
83917R3	5.000in./127mm	9	151046R2	3.219in./81.8mm	19	1805420C1	5.350in./135.9mm	16			
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length			
4 CYL											
1	152 CID (2.5L) 4-152 International 4 Cyl (1967-1968)					3.875in./98.4mm x 3.219in./81.76mm			1		
	152 CID (2.5L) Comanche Four International 4 Cyl (1961-1968)					3.875in./98.4mm x 4.250in./108mm					
	152 CID (2.5L) Turbo III International Turbocharged 4 Cyl (1965-1967)					3.875in./98.4mm x 3.219in./81.76mm					
	196 CID (3.2L) 4-196 International 4 Cyl (1966-1980)					4.125in./104.8mm x 3.656in./92.9mm					
Rod Bearing(4)	TM-112	CB-633P	STD,10,20	2.3730/2.3740	0.0016/0.0041	0.0622	2.4995/2.5000	0.9080			
Main Bearing Set	TM-112	MS-516P	STD,10,20,30,40								
1-2-4-5		MB-1997P		2.7484/2.7494	0.0009/0.0039	0.0955	2.9410/2.9420	0.7260			
3		MB-1998P(F)		2.7484/2.7494	0.0013/0.0043	0.0953	2.9410/2.9420	1.0550			
Cam Bearing Set	B-1	SH-426S	STD								
1		SH-426		2.0990/2.1000	0.0010/0.0050	0.0648	2.2305/2.2320	0.7200			
2		SH-427		2.0890/2.0900	0.0010/0.0050	0.0648	2.2205/2.2220	0.6550			
3		SH-428		2.0790/2.0800	0.0010/0.0050	0.0648	2.2105/2.2120	0.6550			
4		SH-429		2.0690/2.0700	0.0010/0.0050	0.0648	2.2005/2.2020	0.6550			
5		SH-430		2.0590/2.0600	0.0010/0.0050	0.0648	2.1905/2.1920	0.7600			
C/S Forging	863712, 317268G1, 365712R1, 365712R2, 817268R1, 836712R2										
Connecting Rod	45 To 55 Lbs.Ft.										
Main Bearing	75 To 85 Lbs.Ft.										



NAVISTAR/INTERNATIONAL (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL									
2	175 CID (2.9L) GRD175/HD174 International 6 Cyl (1937-1947)			3.000in./76.2mm x 4.125in./104.8mm					2
	175 CID (2.9L) GRD175A International 6 Cyl (1941-1947)			3.000in./76.2mm x 4.125in./104.8mm					
	213 CID (3.5L) HD3 International 6 Cyl (1935-1937)			3.313in./84.2mm x 4.125in./104.8mm					
	213 CID (3.5L) HD4 International 6 Cyl (1936-1937)			3.313in./84.2mm x 4.125in./104.8mm					
	233 CID (3.8L) GRD233 International 6 Cyl (1941-1949)			3.313in./84.2mm x 4.500in./114.3mm					
	233 CID (3.8L) GRD233A International 6 Cyl (1941-1942)			3.313in./84.2mm x 4.500in./114.3mm					
	233 CID (3.8L) HD232,HD232A International 6 Cyl (1937-1941)			3.313in./84.2mm x 4.500in./114.3mm					
Cam Bearing Set	B-1	SH-69S SH-69	STD	2.1855/2.1860	0.0010/0.0040	0.0640	2.3165/2.3175	1.1350	
NOTE: Contains 1 Bearing, Order As Required									
Rod Forging	1820YA, 391320, 60832B, 59998R1, FD-59998R1								
C/S Forging	1784YD, 60835H, 60835HA, 60835HB								
Connecting Rod	56 To 70 Lbs.Ft.								
Main Bearing	75 To 85 Lbs.Ft. (1/2" Bolts)								
Main Bearing	90 To 100 Lbs.Ft. (5/8" Bolts)								
3	198 CID (3.2L) 6-33 Nissan Diesel 6 Cyl (1976-1979)			3.268in./83mm x 3.937in./100mm					3
Rod Bearing(6)	TM-1	CB-988P	STD,.25mm,.50mm,.75mm	2.0832/2.0837	0.0014/0.0034	0.0590	2.2042/2.2047	1.0230	
Main Bearing Set	TM-1	MS-1332P	STD,.25mm	2.7916/2.7921	0.0014/0.0034	0.0790	2.9520/2.9528	1.2650	
1-2-3-4		MB-642P							
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-230S									
Cam Bearing Set	B-1	SH-952S	STD	1.7887/1.7892 1.7282/1.7287 1.6228/1.6233	0.0010/0.0040 0.0015/0.0046 0.0009/0.0040	0.0624	1.9150/1.9160 1.8550/1.8560 1.7490/1.7500	0.5610 0.8760 0.9550	
1		SH-772							
2-3		SH-765							
4		SH-774							
NOTE: Thru 4/79									
Connecting Rod	37 Lbs.Ft.								
Main Bearing	123 To 127 Lbs.Ft.								
4	198 CID (3.2L) 6-33T Nissan Turbocharged Diesel 6 Cyl (1980)			3.268in./83mm x 3.937in./100mm					4
Rod Bearing(6)	TM-1	CB-988P	STD,.25mm,.50mm,.75mm	2.0832/2.0837	0.0014/0.0034	0.0590	2.2042/2.2047	1.0230	
Main Bearing Set	TM-1	MS-1332P	STD,.25mm	2.7916/2.7921	0.0014/0.0034	0.0790	2.9520/2.9528	1.2650	
1-2-3-4		MB-642P							
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-230S									
Connecting Rod	37 Lbs.Ft.								
Main Bearing	123 To 127 Lbs.Ft.								
5	220 CID (3.6L) BD220 International 6 Cyl (1957-1962)			3.563in./90.5mm x 3.688in./93.7mm					5
	220 CID (3.6L) BG220 International 6 Cyl (1963-1968)			3.563in./90.5mm x 3.688in./93.7mm					
	220 CID (3.6L) SD220 International 6 Cyl (1950-1957)			3.563in./90.5mm x 3.688in./93.7mm					
	220 CID (3.6L) SD220 International LPG 6 Cyl (1953-1954)			3.563in./90.5mm x 3.688in./93.7mm					
	240 CID (3.9L) BD240 International 6 Cyl (1955-1962)			3.563in./90.5mm x 4.016in./102mm					
	240 CID (3.9L) SD240 International 6 Cyl (1949-1969)			3.563in./90.5mm x 4.016in./102mm					
	240 CID (3.9L) SD240 International LPG 6 Cyl (1953-1955)			3.563in./90.5mm x 4.016in./102mm					
	241 CID (3.9L) BG241 International 6 Cyl (1965-1966)			3.563in./90.5mm x 4.016in./102mm					
	241 CID (3.9L) BG241 International LPG 6 Cyl (1963-1970)			3.563in./90.5mm x 4.016in./102mm					
	264 CID (4.3L) BD264 International 6 Cyl (1955-1969)			3.688in./93.7mm x 4.125in./104.8mm					
	265 CID (4.3L) BG265 International 6 Cyl (1955-1970)			3.688in./93.7mm x 4.125in./104.8mm					
	Rod Bearing(6)	TM-112	CB-475P	STD,10,20,30,40	2.3730/2.3740	0.0014/0.0039	0.0623	2.4995/2.5000	
Cam Bearing Set	B-1	SH-220S	STD	2.1090/2.1100 2.0890/2.0900 2.0690/2.0700 1.4995/1.5005	0.0005/0.0050	0.0648	2.2400/2.2415 2.2200/2.2215 2.2000/2.2015 1.6305/1.6320	1.1350 1.0720 1.0720 1.3220	
1		SH-493							
2		SH-220							
3		SH-455							
4		SH-224							
NOTE: Contains Late Style Bearing with 2 Oil Holes, Will Service Both Early And Late Engines									
Piston Pin Bushing(6)	B	223-3469	STD			0.0330	0.9305/0.9315	1.2650	
NOTE: Requires Light Reaming									
Rod Forging	70009R1, 70009R2								
C/S Forging	70115R1, 70115R3, 70118R1, 141779R1, 141780R1, 166088R1								
Connecting Rod	45 To 55 Lbs.Ft.								
Main Bearing	75 To 85 Lbs.Ft.								



NAVISTAR/INTERNATIONAL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
6	232 CID (3.8L) PT6 International 6 Cyl (1969-1972)				3.750in./95.3mm x 3.500in./88.9mm			6
	258 CID (4.2L) American Motors 6 Cyl (1972-1974)				3.750in./95.3mm x 3.906in./99.2mm			
Rod Bearing(6)	TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set	TM-77	MS-704P	STD,10,20,30,40					
1-2-4-5-6-7		MB-2263P		2.4996/2.5001	0.0006/0.0031	0.0953	2.6910/2.6920	0.9860
3		MB-2264P(F)		2.4996/2.5001	0.0006/0.0031	0.0953	2.6910/2.6920	1.2700
Cam Bearing Set	B-1	SH-1980S	STD					
1		SH-1980		2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6950
2		SH-550		2.0195/2.0205	0.0010/0.0050	0.0620	2.1455/2.1465	0.7050
3		SH-551		2.0095/2.0105	0.0010/0.0050	0.0620	2.1355/2.1365	0.7050
4		SH-552		1.9995/2.0005	0.0010/0.0050	0.0620	2.1255/2.1265	0.7050
Rod Forging	207, 352, 707, 3172341, 3173210, 3182749							
C/S Forging	3199798, 3214723, 3235477, RD67703, 3199738C							
Connecting Rod	30 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
7	250 CID (4.1L) BLD250 International 6 Cyl (1941-1949)				3.438in./87.3mm x 4.500in./114.3mm			7
	269 CID (4.4L) BLD269 International 6 Cyl (1942-1956)				3.563in./90.5mm x 4.500in./114.3mm			
	269 CID (4.4L) BLD269A International 6 Cyl (1942-1949)				3.563in./90.5mm x 4.500in./114.3mm			
	282 CID (4.6L) BD282 International 6 Cyl (1953-1962)				3.8125in./96.8mm x 4.125in./104.8mm			
	282 CID (4.6L) BD282 International LPG 6 Cyl (1953-1955)				3.8125in./96.8mm x 4.125in./104.8mm			
	308 CID (5.0L) BD308 International 6 Cyl (1955-1975)				3.813in./96.9mm x 4.500in./114.3mm			
Rod Bearing(6)	TM-112	CB-452P	STD,10,20	2.1220/2.1230	0.0012/0.0037	0.0564	2.2365/2.2370	1.1980
Rod Forging	116390H, 62930R1, 62930R4, 62930R5							
C/S Forging	116447H, 74062R1, 74962R1, 125932R1, 129532R1							
Connecting Rod	56 To 70 Lbs.Ft. (250 CID (4.1L) BLD250)							
Connecting Rod	75 To 85 Lbs.Ft. (269 CID (4.4L) BLD269,282 CID (4.6L) BD282,282 CID (4.6L) BD282,308 CID (5.0L) BD308)							
8	301 CID (4.9L) D301 International Diesel 6 Cyl (1960-1978)				3.813in./96.9mm x 4.391in./111.5mm			8
Rod Bearing(6)	TM-112	CB-550P	STD,1,2,10,20,30	2.3730/2.3740	0.0014/0.0039	0.0623	2.4995/2.5000	1.0030
Main Bearing Set	TM-112	MS-494P	STD,10,20					
1		MB-1909P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.2480
2		MB-1910P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.0860
3		MB-1911P(F)		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.5100
4		MB-1912P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.8430
NOTE: Engines With 3.750" Main Bearing Flange Outside Diameter								
Main Bearing Set	TM-112	MS-683P	STD,10,20					
1		MB-1909P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.2480
2		MB-1910P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.0860
3		MB-2231P(F)		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.5100
4		MB-1912P		2.7480/2.7490	0.0015/0.0045	0.0954	2.9410/2.9420	1.8430
NOTE: Engines With 4.000" Main Bearing Flange Outside Diameter								
Cam Bearing Set	B-1	SH-220S	STD					
1		SH-493		2.1090/2.1100	0.0005/0.0050	0.0648	2.2400/2.2415	1.1350
2		SH-220		2.0890/2.0900	0.0005/0.0050	0.0648	2.2200/2.2215	1.0720
3		SH-455		2.0690/2.0700	0.0005/0.0050	0.0648	2.2000/2.2015	1.0720
4		SH-224		1.4995/1.5005	0.0005/0.0050	0.0648	1.6305/1.6320	1.3220
Piston Pin Bushing(6)	C-1	223-3566	STD			0.0660	1.2500/1.2505	1.3220
NOTE: Engines With 1.125" Piston Pin Diameter, Requires Boring								
Rod Forging	306280R1, 367406R1							
C/S Forging	267267R1, 315712R3, 320185R1, 367267R1, 323882R11							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							



NAVISTAR/INTERNATIONAL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
9	318 CID (5.2L) RED318 International 6 Cyl (1944-1947)				3.875in./98.4mm x 4.500in./114.3mm			9
	361 CID (5.9L) RED361 International 6 Cyl (1944-1949)				4.125in./104.8mm x 4.500in./114.3mm			
	372 CID (6.1L) RD372 International 6 Cyl (1949-1968)				4.375in./111.1mm x 4.125in./104.8mm			
	372 CID (6.1L) RD372 International LPG 6 Cyl (1952-1956)				4.375in./111.1mm x 4.125in./104.8mm			
	401 CID (6.6L) RED401 International 6 Cyl (1944-1949)				4.125in./104.8mm x 5.000in./127mm			
	401 CID (6.6L) RED401B International 6 Cyl (1944-1947)				4.125in./104.8mm x 5.000in./127mm			
	406 CID (6.7L) RD406 International 6 Cyl (1949-1977)				4.375in./111.1mm x 4.500in./114.3mm			
	406 CID (6.7L) RD406 International LPG 6 Cyl (1953-1968)				4.375in./111.1mm x 4.500in./114.3mm			
	450 CID (7.4L) RD450LPG International LPG 6 Cyl (1953-1968)				4.375in./111.1mm x 5.000in./127mm			
	450 CID (7.4L) RED450 International 6 Cyl (1944-1968)				4.375in./111.1mm x 5.000in./127mm			
	451 CID (7.4L) RD450 International 6 Cyl (1949-1974)				4.375in./111.1mm x 5.000in./127mm			
	501 CID (8.2L) RD501 International 6 Cyl (1953-1974)				4.500in./114.3mm x 5.250in./133.4mm			
	501 CID (8.2L) RD501LPG International LPG 6 Cyl (1955-1972)				4.500in./114.3mm x 5.250in./133.4mm			
Rod Bearing(6)	TM-112	CB-266P	STD,10,20,30,40,C60	2.7510/2.7520	0.0022/0.0047	0.0722	2.8980/2.8985	1.3800
Cam Bearing Set	B-1	SH-493S	STD					
1		SH-493		2.1090/2.1100	0.0005/0.0050	0.0648	2.2400/2.2415	1.1350
2		SH-220		2.0890/2.0900	0.0005/0.0050	0.0648	2.2200/2.2215	1.0720
3		SH-221		2.0690/2.0700	0.0005/0.0050	0.0648	2.2000/2.2015	1.0720
4		SH-222		1.4995/1.5005	0.0005/0.0050	0.0648	1.6305/1.6320	1.5410
Piston Pin Bushing(6)	C-1	223-3461	STD			0.6050	1.2175/1.2190	1.5410
NOTE: Requires Light Reaming								
Rod Forging	118701H, 118701HA, C-126111							
C/S Forging	118528H, 118530H, 83917R1, 83917R2, 83917R3, 93917R1, 93917R3, 131850R1, 837719R1							
Connecting Rod	75 To 85 Lbs.Ft.							
Main Bearing	100 To 110 Lbs.Ft.							
10	360 CID (5.9L) DT360 International Turbocharged Diesel 6 Cyl (1987-1995)				3.875in./98.4mm x 5.085in./129.2mm			10
	360 CID (5.9L) DTA360 International Turbocharged Diesel 6 Cyl (1987-1993)				3.875in./98.4mm x 5.085in./129.2mm			
Rod Bearing(6)	TM-112	CB-1394P	STD,10,20,30	2.5182/2.5197	0.0018/0.0051	0.0778	2.6771/2.6779	1.2650
Main Bearing Set	TM-112	MS-1342P	STD,10,20,30					
1-2-3-4-5-6		MB-2626P		3.3742/3.3755	0.0021/0.0051	0.1556	3.6885/3.6895	1.0650
7		MB-2627P(F)		3.3742/3.3755	0.0021/0.0051	0.1556	3.6885/3.6895	1.4350
NOTE: .030" Undersize Set Contains .012" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-994S	STD					
1		SH-994		2.2824/2.2835	0.0010/0.0056	0.1080	2.5005/2.5020	1.0100
2		SH-995		2.2824/2.2835	0.0010/0.0056	0.0980	2.4805/2.4820	0.7090
3		SH-996		2.2824/2.2835	0.0010/0.0056	0.0880	2.4605/2.4620	0.7090
4		SH-997		2.2824/2.2835	0.0010/0.0056	0.0780	2.4405/2.4420	0.7100
Piston Pin Bushing(6)	C-1	223-3627	STD			0.0635	1.7250/1.7255	1.2750
NOTE: Requires Boring								
C/S Forging	1A, 1AA, 188A, 202B, 2MAE, 2 MAE, 1805420C1, 1809954C1, 1816975C1, 1812320C91							
Connecting Rod	80 Lbs.Ft.							
Main Bearing	115 Lbs.Ft.							
11	401 CID (6.6L) FBC401 International 6 Cyl (1941-1944)				4.125in./104.8mm x 3.750in./95.3mm			11
Piston Pin Bushing(6)	C-1	223-3461	STD			0.6050	1.2175/1.2190	1.5410
NOTE: Requires Light Reaming								
12	408 CID (6.7L) DT408P International Turbocharged/Intercooled Diesel 6 Cyl				4.300in./109.2mm x 4.680in./118.9mm			12
	466 CID (7.6L) DT466NGD International Turbocharged CNG 6 Cyl				4.300in./109.2mm x 5.350in./135.9mm			
	530 CID (8.7L) I530P International Turbocharged/Intercooled Diesel 6 Cyl				4.587in./116.5mm x 5.350in./135.9mm			
Rod Bearing(6)	TM-77	CB-1659P	STD,10,20	3.1493/3.1506	0.0018/0.0051	0.0996	3.3516/3.3526	1.4400
Main Bearing Set	TM-77	MS-2096P	STD,10,20					
1-2-3-4-5-6		MB-3555P		3.5344/3.5356	0.0018/0.0051	0.1556	3.8486/3.8496	1.3510
7		MB-3556P(F)		3.5344/3.5356	0.0018/0.0051	0.1556	3.8486/3.8496	1.7000
13	466 CID (7.6L) DT466 International Turbocharged Diesel 6 Cyl (1975-2000)				4.300in./109.2mm x 5.350in./135.9mm			13
Rod Bearing(6)	TM-112	CB-675P	STD,10,20,30,40	2.9977/2.9990	0.0023/0.0056	0.0996	3.2000/3.2010	1.2000
NOTE: 1975-1977								
Rod Bearing(6)	TM-77	CB-1659P	STD,10,20	3.1493/3.1506	0.0018/0.0051	0.0996	3.3516/3.3526	1.4400
NOTE: 1995-2000								



NAVISTAR/INTERNATIONAL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
13 (Cont.)	466 CID (7.6L) DT466 International Turbocharged Diesel 6 Cyl (1975-2000)			4.300in./109.2mm x 5.350in./135.9mm				13 (Cont.)
Main Bearing Set 1-2-3-4-5-6 7	TM-112	MS-1343P MB-2628P MB-2629P(F)	STD,10,20,30	3.3742/3.3755 3.3742/3.3755	0.0021/0.0051 0.0021/0.0051	0.1556 0.1556	3.6885/3.6895 3.6885/3.6895	1.2250 1.7770
NOTE: 1975-1977, .030" Undersize Set Contains .012" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4-5-6 7	TM-77	MS-2096P MB-3555P MB-3556P(F)	STD,10,20	3.5344/3.5356 3.5344/3.5356	0.0018/0.0051 0.0018/0.0051	0.1556 0.1556	3.8486/3.8496 3.8486/3.8496	1.3510 1.7000
NOTE: 1995-2000								
Cam Bearing Set 1 2 3 4	B-1	SH-994S SH-994 SH-995 SH-996 SH-997	STD	2.2824/2.2835 2.2824/2.2835 2.2824/2.2835 2.2824/2.2835	0.0010/0.0056 0.0010/0.0056 0.0010/0.0056 0.0010/0.0056	0.1080 0.0980 0.0880 0.0780	2.5005/2.5020 2.4805/2.4820 2.4605/2.4620 2.4405/2.4420	1.0100 0.7090 0.7090 0.7100
Piston Pin Bushing(6)	C-1	223-3595	STD				0.0635 1.7250/1.7255	1.4000
NOTE: 1975-1977, Requires Boring								
14	466 CID (7.6L) DT466B,DT1466B International Turbocharged Diesel 6 Cyl (1978-1982)			4.300in./109.2mm x 5.350in./135.9mm				14
Rod Bearing(6)	TM-112	CB-675P	STD,10,20,30,40	2.9977/2.9990	0.0023/0.0056	0.0996	3.2000/3.2010	1.2000
Main Bearing Set 1-2-3-4-5-6 7	TM-112	MS-1343P MB-2628P MB-2629P(F)	STD,10,20,30	3.3742/3.3755 3.3742/3.3755	0.0021/0.0051 0.0021/0.0051	0.1556 0.1556	3.6885/3.6895 3.6885/3.6895	1.2250 1.7770
NOTE: .030" Undersize Set Contains .012" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3 4	B-1	SH-994S SH-994 SH-995 SH-996 SH-997	STD	2.2824/2.2835 2.2824/2.2835 2.2824/2.2835 2.2824/2.2835	0.0010/0.0056 0.0010/0.0056 0.0010/0.0056 0.0010/0.0056	0.1080 0.0980 0.0880 0.0780	2.5005/2.5020 2.4805/2.4820 2.4605/2.4620 2.4405/2.4420	1.0100 0.7090 0.7090 0.7100
Piston Pin Bushing(6)	C-1	223-3595	STD				0.0635 1.7250/1.7255	1.4000
NOTE: Requires Boring								
15	466 CID (7.6L) DT466C,DTA466C International Turbocharged Diesel 6 Cyl (1983-1993)			4.300in./109.2mm x 5.350in./135.9mm				15
466 CID (7.6L) DT1466C International Turbocharged Diesel 6 Cyl (1983-1987) 4.300in./109.2mm x 5.350in./135.9mm								
Rod Bearing(6)	TM-112	CB-675P	STD,10,20,30,40	2.9977/2.9990	0.0023/0.0056	0.0996	3.2000/3.2010	1.2000
NOTE: Thru Engine Serial Number 440035								
Rod Bearing(6)	TM-112	CB-1365P	STD,10,20,30	2.9977/2.9990	0.0023/0.0056	0.0996	3.2000/3.2010	1.2600
NOTE: From Engine Serial Number 440036								
Main Bearing Set 1-2-3-4-5-6 7	TM-112	MS-1343P MB-2628P MB-2629P(F)	STD,10,20,30	3.3742/3.3755 3.3742/3.3755	0.0021/0.0051 0.0021/0.0051	0.1556 0.1556	3.6885/3.6895 3.6885/3.6895	1.2250 1.7770
NOTE: Thru Engine Serial Number 440035, .030" Undersize Set Contains .012" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4-5-6 7	TM-112	MS-1642P MB-3009P MB-2629P(F)	STD,10,20,30	3.3742/3.3755 3.3742/3.3755	0.0021/0.0051 0.0021/0.0051	0.1556 0.1556	3.6885/3.6895 3.6885/3.6895	1.2290 1.7770
NOTE: From Engine Serial Number 440036, .030" Undersize Set Contains .012" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3 4	B-1	SH-994S SH-994 SH-995 SH-996 SH-997	STD	2.2824/2.2835 2.2824/2.2835 2.2824/2.2835 2.2824/2.2835	0.0010/0.0056 0.0010/0.0056 0.0010/0.0056 0.0010/0.0056	0.1080 0.0980 0.0880 0.0780	2.5005/2.5020 2.4805/2.4820 2.4605/2.4620 2.4405/2.4420	1.0100 0.7090 0.7090 0.7100
Piston Pin Bushing(6)	C-1	223-3595	STD				0.0635 1.7250/1.7255	1.4000
NOTE: Requires Boring								
C/S Forging 1A, 1AA, 188A, 202B, 2MAE, 2 MAE, 1805420C1, 1809954C1, 1816975C1, 1812320C91								



NAVISTAR/INTERNATIONAL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
16	466 CID (7.6L) DT466E International Turbocharged/Intercooled Diesel 6 Cyl (1995-2004)			4.300in./109.2mm x 5.350in./135.9mm				16
Rod Bearing(6)	TM-77	CB-1847P	STD,10,20	3.1494/3.1506	0.0018/0.0050	0.0996	3.3516/3.3526	1.5800
NOTE: From Engine Serial Number 1194039								
Main Bearing Set	TM-112	MS-2252P	STD,10,20					
1-2-3-4-5-6		MB-3834P		3.5344/3.5356	0.0018/0.0050	0.1556	3.8486/3.8496	1.3510
7		MB-3835P(F)		3.5344/3.5356	0.0018/0.0050	0.1556	3.8486/3.8496	1.7005
NOTE: From Engine Serial Number 1194039								
17	466 CID (7.6L) DT466P Navistar Turbocharged/Intercooled Diesel 6 Cyl (1994-1997)			4.300in./109.2mm x 5.350in./135.9mm				17
530 CID (8.7L) I530E International Turbocharged Diesel 6 Cyl (1995-1999)				4.587in./116.5mm x 5.350in./135.9mm				
Rod Bearing(6)	TM-77	CB-1659P	STD,10,20	3.1493/3.1506	0.0018/0.0051	0.0996	3.3516/3.3526	1.4400
Main Bearing Set	TM-77	MS-2096P	STD,10,20					
1-2-3-4-5-6		MB-3555P		3.5344/3.5356	0.0018/0.0051	0.1556	3.8486/3.8496	1.3510
7		MB-3556P(F)		3.5344/3.5356	0.0018/0.0051	0.1556	3.8486/3.8496	1.7000
Cam Bearing Set	B-1	SH-994S	STD					
1		SH-994		2.2824/2.2835	0.0010/0.0056	0.1080	2.5005/2.5020	1.0100
2		SH-995		2.2824/2.2835	0.0010/0.0056	0.0980	2.4805/2.4820	0.7090
3		SH-996		2.2824/2.2835	0.0010/0.0056	0.0880	2.4605/2.4620	0.7090
4		SH-997		2.2824/2.2835	0.0010/0.0056	0.0780	2.4405/2.4420	0.7100
8 CYL								
18	266 CID (4.4L) V266 International V8 Cyl (1959-1975)			3.625in./92.1mm x 3.219in./81.8mm				18
304 CID (5.0L) V304 International V8 Cyl (1959-1980)				3.875in./98.4mm x 3.219in./81.8mm				
304 CID (5.0L) V304 International LPG V8 Cyl (1964-1975)				3.875in./98.4mm x 3.219in./81.8mm				
345 CID (5.6L) V345 International V8 Cyl (1959-1982)				3.875in./98.4mm x 3.656in./92.9mm				
345 CID (5.6L) V345LPG International LPG V8 Cyl (1962-1982)				3.875in./98.4mm x 3.656in./92.9mm				
392 CID (6.4L) V392 International V8 Cyl (1969-1982)				4.125in./104.8mm x 3.656in./92.9mm				
392 CID (6.4L) V392LPG International LPG V8 Cyl (1968-1987)				4.125in./104.8mm x 3.656in./92.9mm				
Rod Bearing(8)	TM-112	CB-581P	STD,1,2,10,20,30,40,C60	2.3730/2.3740	0.0016/0.0041	0.0622	2.4995/2.5000	0.9780
Main Bearing Set	TM-112	MS-516P	STD,10,20,30,40					
1-2-4-5		MB-1997P		2.7484/2.7494	0.0009/0.0039	0.0955	2.9410/2.9420	0.7260
3		MB-1998P(F)		2.7484/2.7494	0.0013/0.0043	0.0953	2.9410/2.9420	1.0550
Cam Bearing Set	B-1	SH-426S	STD					
1		SH-426		2.0990/2.1000	0.0010/0.0050	0.0648	2.2305/2.2320	0.7200
2		SH-427		2.0890/2.0900	0.0010/0.0050	0.0648	2.2205/2.2220	0.6550
3		SH-428		2.0790/2.0800	0.0010/0.0050	0.0648	2.2105/2.2120	0.6550
4		SH-429		2.0690/2.0700	0.0010/0.0050	0.0648	2.2005/2.2020	0.6550
5		SH-430		2.0590/2.0600	0.0010/0.0050	0.0648	2.1905/2.1920	0.7600
Rod Forging	216114R1, 309253C1							
C/S Forging	391930, 151045R1, 151046R1, 151046R2, 151327R1, 151327R2, 151328R2							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
19	363 CID/5954CC (6.0L) VT365 International Turbocharged/Intercooled Diesel V8 Cyl (2003-2005)			3.740in./95mm x 4.134in./105mm				19
Rod Bearing(8)	TM-77	CB-1814P	STD,.25mm,.50mm,.75mm	2.7165/2.7170	0.0006/0.0035	0.0780	2.8735/2.8744	0.8310
Rod Bearing(8)	TM-77	CB-1815P-.25mm	.50mm,.75mm	2.7165/2.7170	0.0006/0.0035	0.0790	2.8755/2.8764	0.8310
NOTE: 2003-2004, Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-2223P	STD,.25mm,.50mm,.75mm					
1-2-3-5		MB-3787P		3.1886/3.1894	0.0015/0.0041	0.0976	3.3854/3.3862	0.8465
4		MB-3788P(F)		3.1886/3.1894	0.0015/0.0041	0.0976	3.3854/3.3862	1.1180
Cam Bearing Set	B-1	SH-1996S	STD					
1-2-3-4-5		SH-1996		2.4404/2.4415	0.0013/0.0060	0.0774	2.5976/2.5992	0.7480
Piston Pin Bushing(8)	C-1	223-3671	STD	1.3384/1.3413		0.0740		1.0450
NOTE: Requires Boring								
20	400 CID (6.6L) V400 International V8 Cyl (1973-1975)			4.165in./105.8mm x 3.680in./93.5mm				20
Rod Bearing(8)	TM-77	CB-819P	STD,10,20,30	2.2478/2.2485	0.0019/0.0041	0.0623	2.3745/2.3750	0.8050
Main Bearing Set	TM-77	MS-1041P	STD,10,20,30					
1-2-4-5		MB-2579P		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	0.9280
3		MB-2578P(F)		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	1.2700



NAVISTAR/INTERNATIONAL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
20 (Cont.)	400 CID (6.6L) V400 International V8 Cyl (1973-1975)				4.165in./105.8mm x 3.680in./93.5mm			20 (Cont.)
Cam Bearing Set	B-1	SH-671S	STD					
1		SH-671		2.1195/2.1205	0.0010/0.0050	0.0620	2.2455/2.2465	0.9350
2		SH-672		2.0895/2.0905	0.0010/0.0050	0.0620	2.2155/2.2165	0.6400
3		SH-673		2.0595/2.0605	0.0010/0.0050	0.0620	2.1855/2.1865	0.6400
4		SH-674		2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6400
5		SH-675		1.9995/2.0005	0.0010/0.0050	0.0620	2.1255/2.1265	0.6400
Rod Forging	3191739, 3215845							
C/S Forging	3124725, 3190079, 3190792, 3190793, 3190797, 3190798, 3196921, 3196922, 3199842, 3208795, 3220411, 4487238							
Connecting Rod	35 To 40 Lbs.Ft.							
Main Bearing	95 To 100 Lbs.Ft.							
21	401 CID (6.6L) V401 International V8 Cyl (1956-1972)				4.125in./104.8mm x 3.750in./95.3mm			21
	401 CID (6.6L) VS401 International V8 Cyl (1968-1975)				4.125in./104.8mm x 3.750in./95.3mm			
	461 CID (7.6L) V461 International V8 Cyl (1956-1964)				4.125in./104.8mm x 4.313in./109.6mm			
	478 CID (7.8L) V478 International V8 Cyl (1965-1972)				4.500in./114.3mm x 3.750in./95.3mm			
	478 CID (7.8L) VS478 International V8 Cyl (1965-1977)				4.500in./114.3mm x 3.750in./95.3mm			
	549 CID (9.0L) FTV549 International V8 Cyl (1970-1972)				4.500in./114.3mm x 4.313in./109.6mm			
	549 CID (9.0L) FTVS549 International V8 Cyl (1970-1975)				4.500in./114.3mm x 4.313in./109.6mm			
	549 CID (9.0L) V549 International V8 Cyl (1956-1972)				4.500in./114.3mm x 4.313in./109.6mm			
	549 CID (9.0L) V549LPG International LPG V8 Cyl (1970-1971)				4.500in./114.3mm x 4.313in./109.6mm			
	549 CID (9.0L) VS549 International V8 Cyl (1968-1978)				4.500in./114.3mm x 4.313in./109.6mm			
	549 CID (9.0L) VS549LPG International LPG V8 Cyl (1970-1975)				4.500in./114.3mm x 4.313in./109.6mm			
Rod Bearing(8)	TM-112	CB-473P	STD,10,20,30	2.6230/2.6240	0.0016/0.0041	0.0752	2.7755/2.7760	1.1650
Main Bearing Set	TM-112	MS-828P	STD					
1-2-4-5		MB-2401P		3.1240/3.1250	0.0011/0.0041	0.0951	3.3160/3.3170	0.8500
3		MB-2402P(F)		3.1240/3.1250	0.0011/0.0041	0.0951	3.3160/3.3170	1.1940
NOTE: From Engine Serial Number 64556								
Cam Bearing Set	B-1	SH-681S	STD					
1		SH-681		2.3460/2.3470	0.0020/0.0065	0.0625	2.4740/2.4755	1.1970
2		SH-351		2.3160/2.3170	0.0005/0.0050	0.0628	2.4430/2.4445	1.0100
3		SH-352		2.2900/2.2910	0.0005/0.0050	0.0615	2.4145/2.4160	1.0100
4		SH-682		2.2460/2.2470	0.0020/0.0065	0.0625	2.3740/2.3755	1.0100
Piston Pin Bushing(8)	B	223-3502	STD			0.0610	1.4060/1.4075	1.3960
NOTE: Requires Boring								
Rod Forging	133512R3, 133521R3, 133524R3							
C/S Forging	82856, 852856, 118530H, 118530R1, 123441R3, 131440R3, 133440R1, 133440R3, 133441R1, 133441R3, 133894R1, 133894R3, 133894R4, 242880R91, 242881R91, 242882R91, 289878C91, 296733C91							
Connecting Rod	60 To 70 Lbs.Ft.							
Main Bearing	100 To 110 Lbs.Ft.							
22	404 CID (6.6L) MV404 International V8 Cyl (1975-1982)				4.125in./104.8mm x 3.750in./95.3mm			22
	446 CID (7.3L) MV446 International V8 Cyl (1975-1981)				4.125in./104.8mm x 4.188in./106.4mm			
Rod Bearing(8)	TM-112	CB-1230P	STD,10,20,30,40	2.4980/2.4990	0.0016/0.0041	0.0622	2.6245/2.6250	0.9780
Main Bearing Set	TM-112	MS-1460P	STD,10,20,30					
1-2-4-5		MB-2763P		3.1228/3.1236	0.0031/0.0047	0.0953	3.3152/3.3160	0.8050
3		MB-2764P(F)		3.1228/3.1236	0.0031/0.0047	0.0953	3.3152/3.3160	1.1300
Cam Bearing Set	B-1	SH-1092S	STD					
1		SH-1092		2.0990/2.1000	0.0009/0.0054	0.0638	2.2305/2.2320	0.7900
2-3-4-5		SH-1093		2.0990/2.1000	0.0009/0.0054	0.0638	2.2305/2.2320	0.6550
Piston Pin Bushing(8)	C-1	223-3584	STD			0.1244	1.1450/1.1460	0.9950
NOTE: Requires Boring								
C/S Forging	CF446-766C-1							
Connecting Rod	38 To 44 Lbs.Ft.							
Main Bearing	90 To 100 Lbs.Ft.							
23	420 CID (6.9L) Navistar Diesel V8 Cyl (1980-1988)				4.000in./101.6mm x 4.180in./106.2mm			23
	444 CID (7.3L) Indirect Injection International Diesel V8 Cyl (1988-1995)				4.110in./104.4mm x 4.180in./106.2mm			
Rod Bearing(8)	TM-112	CB-1327P	STD,10,20,30,40	2.4980/2.4990	0.0011/0.0041	0.0952	2.6905/2.6915	0.8880



NAVISTAR/INTERNATIONAL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
23 (Cont.)	420 CID (6.9L) Navistar Diesel V8 Cyl (1980-1988)			4.000in./101.6mm x 4.180in./106.2mm				23 (Cont.)
	444 CID (7.3L) Indirect Injection International Diesel V8 Cyl (1988-1995)			4.110in./104.4mm x 4.180in./106.2mm				
Main Bearing Set 1-2-4-5 3	TM-112	MS-1596P MB-2934P MB-2935P(F)	STD,10,20,30,40	3.1228/3.1236 3.1228/3.1236	0.0021/0.0049 0.0021/0.0049	0.0949 0.0949	3.3152/3.3162 3.3152/3.3162	0.8750 1.1300
Cam Bearing Set 1 2-3-4-5	AL-3	SH-1092S SH-1092 SH-1093	STD	2.0990/2.1000 2.0990/2.1000	0.0009/0.0054 0.0009/0.0054	0.0638 0.0638	2.2305/2.2320 2.2305/2.2320	0.7900 0.6550
Piston Pin Bushing(8) NOTE: Requires Boring	C-1	223-3583	STD			0.1580	1.2375/1.2380	1.0780
C/S Forging	446530, 446530C1, 446531C1							
Connecting Rod Main Bearing	48 To 54 Lbs.Ft. 95 Lbs.Ft.							
24	444 CID (7.3L) T444E (Power Stroke) D.I. Turbo International Turbocharged/Intercooled Diesel V8 Cyl (1994-1999)			4.110in./104.4mm x 4.180in./106.2mm				24
Rod Bearing(8)	TM-112	CB-1633P	STD,10,20,30,40	2.4980/2.4990	0.0016/0.0046	0.0952	2.6905/2.6915	0.9640
Main Bearing Set 1-2-3-4 5	TM-112	MS-2034P MB-3497P MB-3498P(F)	STD,10,20,30	3.1228/3.1236 3.1228/3.1236	0.0018/0.0046 0.0018/0.0046	0.0949 0.0949	3.3152/3.3162 3.3152/3.3162	0.9330 1.2380
Piston Pin Bushing(8) NOTE: Requires Light Reaming	C-1	223-3652	STD			0.0760	1.4320/1.4330	1.1520
Rod Forging C/S Forging	1816619C1 1818200C3							
Connecting Rod Main Bearing	Step A 52 Lbs.Ft.; Step B 80 Lbs.Ft. Step A 75 Lbs.Ft.; Step B 95 Lbs.Ft.							
25	461 CID (7.6L) DV462B International Diesel V8 Cyl (1970-1972)			4.125in./104.8mm x 4.313in./109.6mm				25
	461 CID (7.6L) DV462 International Diesel V8 Cyl (1966-1972)			4.125in./104.8mm x 4.313in./109.6mm				
	549 CID (9.0L) D150,D170,D190 International Diesel V8 Cyl (1975-1979)			4.500in./114.3mm x 4.313in./109.6mm				
	549 CID (9.0L) DV550B International Diesel V8 Cyl (1970-1976)			4.500in./114.3mm x 4.313in./109.6mm				
	549 CID (9.0L) DV550 International Diesel V8 Cyl (1966-1972)			4.500in./114.3mm x 4.313in./109.6mm				
Rod Bearing(8)	TM-112	CB-807P	STD,10,20,30,40	2.7530/2.7540	0.0024/0.0049	0.0948	2.9455/2.9460	0.9900
Main Bearing Set 1-2-4-5 3	TM-112	MS-883P MB-2482P MB-2483P(F)	STD,10,20,30	3.1230/3.1240 3.1230/3.1240	0.0021/0.0051 0.0021/0.0051	0.0951 0.0951	3.3160/3.3170 3.3160/3.3170	1.0100 1.3540
NOTE: Undersize Bearings Can Be Used But The Crankshaft Must Be Rehardened By The TUFFTRIDED Process								
Cam Bearing Set 1 2 3 4	B-1	SH-681S SH-681 SH-351 SH-352 SH-682	STD	2.3460/2.3470 2.3160/2.3170 2.2900/2.2910 2.2460/2.2470	0.0020/0.0065 0.0005/0.0050 0.0005/0.0050 0.0020/0.0065	0.0625 0.0628 0.0615 0.0625	2.4740/2.4755 2.4430/2.4445 2.4145/2.4160 2.3740/2.3755	1.1970 1.0100 1.0100 1.0100
Connecting Rod Main Bearing Main Bearing	55 Lbs.Ft. Plus 60 Degrees 125 To 135 Lbs.Ft. (Main Bolts) 40 To 50 Lbs.Ft. (Side Bolts)							
26	537 CID (8.8L) V537 International V8 Cyl (1978-1981)			4.625in./117.5mm x 4.000in./101.6mm				26
Rod Bearing(8)	TM-112	CB-1242P	STD,10	2.6230/2.6240	0.0011/0.0036	0.0752	2.7755/2.7760	1.0700
Main Bearing Set 1-2-4-5 3	TM-112	MS-883P MB-2482P MB-2483P(F)	STD,10,20,30	3.1230/3.1240 3.1230/3.1240	0.0021/0.0051 0.0021/0.0051	0.0951 0.0951	3.3160/3.3170 3.3160/3.3170	1.0100 1.3540
Cam Bearing Set 1 2 3 4	B-1	SH-681S SH-681 SH-351 SH-352 SH-682	STD	2.3460/2.3470 2.3160/2.3170 2.2900/2.2910 2.2460/2.2470	0.0020/0.0065 0.0005/0.0050 0.0005/0.0050 0.0020/0.0065	0.0625 0.0628 0.0615 0.0625	2.4740/2.4755 2.4430/2.4445 2.4145/2.4160 2.3740/2.3755	1.1970 1.0100 1.0100 1.0100
Connecting Rod Main Bearing	65 To 70 Lbs.Ft. 125 To 135 Lbs.Ft.							
27	551 CID (9.0L) International Diesel V8 Cyl (1980-1988)			4.510in./114.6mm x 4.313in./109.6mm				27
Rod Bearing(8)	TM-112	CB-1266P	STD,10,20,30,40	2.7530/2.7540	0.0024/0.0051	0.0948	2.9455/2.9460	0.8520



NAVISTAR/INTERNATIONAL (Cont.)											
COUNTER DATA				SHOP DATA							
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length			
8 CYL (Cont.)											
27 (Cont.)	551 CID (9.0L) International Diesel V8 Cyl (1980-1988)				4.510in./114.6mm x 4.313in./109.6mm				27 (Cont.)		
Main Bearing Set 1-2-4-5 3	TM-112	MS-883P MB-2482P MB-2483P(F)	STD,10,20,30	3.1230/3.1240 3.1230/3.1240	0.0021/0.0051 0.0021/0.0051	0.0951 0.0951	3.3160/3.3170 3.3160/3.3170	1.0100 1.3540			
Cam Bearing Set 1 2 3 4	B-1	SH-681S SH-681 SH-351 SH-352 SH-682	STD	2.3460/2.3470 2.3160/2.3170 2.2900/2.2910 2.2460/2.2470	0.0020/0.0065 0.0005/0.0050 0.0005/0.0050 0.0020/0.0065	0.0625 0.0628 0.0615 0.0625	2.4740/2.4755 2.4430/2.4445 2.4145/2.4160 2.3740/2.3755	1.1970 1.0100 1.0100 1.0100			
Rod Forging	489300, 278712C1, 427216C1										
Connecting Rod	55 Lbs.Ft. Plus 60 Degrees										
28	573 CID (9.4L) DVT573 International Turbocharged Diesel V8 Cyl (1968-1971)				4.500in./114.3mm x 4.500in./114.3mm				28		
	573 CID (9.4L) DVTI573B,DVTI573 International Turbocharged Diesel V8 Cyl				4.500in./114.3mm x 4.500in./114.3mm						
	798 CID (13.1L) V800 International Turbocharged Diesel V8 Cyl (1975-1979)				5.313in./135mm x 4.500in./114.3mm						
Rod Bearing(8)	TM-112	CB-685P	STD,10,20,30	2.9972/2.9982	0.0023/0.0056	0.0996	3.2000/3.2010	1.3510			
Main Bearing Set 1-2-3-4 5	TM-112	MS-1388P MB-2690P MB-2691P(F)	STD,10	3.7477/3.7490 3.7477/3.7490	0.0029/0.0062 0.0029/0.0062	0.1552 0.1552	4.0620/4.0630 4.0620/4.0630	1.4150 1.9000			
Cam Bearing Set 1-2-3-4-5	C-1	SH-543S SH-543	STD	2.3470/2.3480	0.0010/0.0055	0.0625	2.4740/2.4755	1.0100			
Connecting Rod Main Bearing	120 To 130 Lbs.Ft. 275 To 300 Lbs.Ft.										
NEW HOLLAND FORD											
ENGINE DATA											
Engine			Years	Block	Engine			Years	Block		
3 CYL					4 CYL (Cont.)						
158 CID (2.6L) 158 Ford Tractor				1	172 CID (2.8L) 172 Ford Tractor 1955-1965 2						
158 CID (2.6L) 158 Ford Tractor Diesel				1	172 CID (2.8L) 172 Ford Tractor Flex 1955-1965 2						
175 CID (2.9L) 175 Ford Tractor Diesel				1	256 CID (4.2L) 256 Ford Tractor 4						
201 CID (3.3L) 201 Ford Tractor				1	256 CID (4.2L) 256 Ford Tractor Diesel 4						
201 CID (3.3L) 201 Ford Tractor Diesel				1	256 CID (4.2L) 256 Ford Tractor Turbocharged Diesel 5						
4 CYL					6 CYL						
134 CID (2.2L) 134 Ford Tractor Flex 1953-1965 2					401 CID (6.6L) 401 Ford Tractor Diesel 6						
144 CID (2.4L) 144 Ford Tractor Diesel 1958-1965 3					401 CID (6.6L) BSD666 Ford Tractor Diesel 1986-1997 7						
MODEL DATA											
Model			Engine	Years	Block	Model			Engine	Years	Block
2120			134 CID (2.2L) 134 Ford Tractor	1953-1965	2	4610			201 CID (3.3L) 201 Ford Tractor Diesel		1
2120			144 CID (2.4L) 144 Ford Tractor Diesel	1953-1965	3	4610			201 CID (3.3L) 201 Ford Tractor Diesel		1
2120			158 CID (2.6L) 158 Ford Tractor	1999	1	4610			201 CID (3.3L) 201 Ford Tractor Diesel		1
2120			158 CID (2.6L) 158 Ford Tractor Diesel		1	4630			201 CID (3.3L) 201 Ford Tractor Diesel		1
2120			175 CID (2.9L) 175 Ford Tractor Diesel		1	5610			256 CID (4.2L) 256 Ford Tractor		4
2810			158 CID (2.6L) 158 Ford Tractor	1999	1	5610			256 CID (4.2L) 256 Ford Tractor Diesel		4
2810			158 CID (2.6L) 158 Ford Tractor Diesel		1	5900			256 CID (4.2L) 256 Ford Tractor Diesel		4
2910			158 CID (2.6L) 158 Ford Tractor	1999	1	6610			256 CID (4.2L) 256 Ford Tractor		4
2910			158 CID (2.6L) 158 Ford Tractor Diesel		1	6610			256 CID (4.2L) 256 Ford Tractor Diesel		4
3910			201 CID (3.3L) 201 Ford Tractor Diesel		1	7610			256 CID (4.2L) 256 Ford Tractor Diesel		5
3930			201 CID (3.3L) 201 Ford Tractor Diesel		1	7710			256 CID (4.2L) 256 Ford Tractor Diesel		5
4030			172 CID (2.8L) 172 Ford Tractor	1955-1965	2						
4030			172 CID (2.8L) 172 Ford Tractor	1955-1965	2						



NEW HOLLAND FORD (Cont.)									
MODEL DATA (Cont.)									
Model	Engine	Years	Block	Model	Engine	Years	Block		
7810	401 CID (6.6L) BSD666 Ford Tractor Diesel	2000	7	8260	401 CID (6.6L) 401 Ford Tractor Diesel		6		
8210	401 CID (6.6L) BSD666 Ford Tractor Diesel		7	TW5	401 CID (6.6L) BSD666 Ford Tractor Diesel	2000	7		
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
3 CYL									
1	158 CID (2.6L) 158 Ford Tractor 3 Cyl				4.200in./106.7mm x 3.813in./96.9mm				1
	158 CID (2.6L) 158 Ford Tractor Diesel 3 Cyl				4.200in./106.7mm x 3.813in./96.9mm				
	175 CID (2.9L) 175 Ford Tractor Diesel 3 Cyl				4.200in./106.7mm x 4.203in./106.8mm				
	201 CID (3.3L) 201 Ford Tractor 3 Cyl				4.406in./112mm x 4.406in./112mm				
	201 CID (3.3L) 201 Ford Tractor Diesel 3 Cyl				4.406in./112mm x 4.406in./112mm				
Rod Bearing(3)	TM-77	CB-757AL	STD,10,20,30,40	2.7496/2.7504	0.0015/0.0041	0.0943	2.9412/2.9420	1.4100	
NOTE: From 1965,Thru 1990									
Main Bearing Set 1-3-4	AL-3	MS-865AL	STD,10,20,30	3.3714/3.3722	0.0021/0.0043	0.1251	3.6242/3.6250	1.1100	
3		MB-2446AL		3.3714/3.3722	0.0021/0.0043	0.1251	3.6242/3.6250	1.4550	
NOTE: From 1965,Thru 1990									
Cam Bearing(4)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700	
NOTE: From 1965,Thru 1990									
Piston Pin Bushing	B	223-3636	STD	1.4997/1.5000		0.0720	1.6250	1.6098	
NOTE: From 1965,Thru 1990									
C/S Forging	EN438, C5NE-6305, C5NE6303N, C5NE-6303-L, C5NE-6303-N, C5NE-6303-R, E5NN-6306-N								
Connecting Rod	50 To 55 Lbs.Ft. (Plated Bolts)								
Connecting Rod	65 To 70 Lbs.Ft. (Unplated Bolts)								
Main Bearing	115 To 125 Lbs.Ft. (9/16" Bolts)								
Main Bearing	90 To 95 Lbs.Ft. (1/2" Bolts)								
4 CYL									
2	134 CID (2.2L) 134 Ford Tractor Flex 4 Cyl (1953-1965)				3.437in./87.3mm x 3.600in./91.4mm				2
	172 CID (2.8L) 172 Ford Tractor 4 Cyl (1955-1965)				3.900in./99mm x 3.600in./91.4mm				
	172 CID (2.8L) 172 Ford Tractor Flex 4 Cyl (1955-1965)				3.900in./99mm x 3.600in./91.4mm				
Rod Bearing(4)	TM-77	CB-535P	STD,1,2,10,20,30,40	2.2978/2.2986	0.0005/0.0031	0.0622	2.4230/2.4238	1.0390	
Main Bearing Set	TM-77	MB-1540P							
Main Bearing Set 1-3	TM-77	MS-466P	STD,1,2,10,20,30,40	2.4980/2.4988	0.0005/0.0031	0.0963	2.6912/2.6920	1.3300	
2		MB-1501P		2.4980/2.4988	0.0005/0.0031	0.0963	2.6912/2.6920	1.7510	
		MB-1540P(F)							
Piston Pin Bushing(4)	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500	
NOTE: Gas Engines Only, No Oil Hole In Bushing,Requires Boring									
Piston Pin Bushing(4)	B	223-3608	STD			0.0365	0.9730/0.9750	1.2500	
NOTE: Gas Engines Only, Oil Hole In Bushing,Requires Light Reaming									
Rod Forging	CONN, 312716, EAA-6200, EAA-6205, B9NN-6205A								
C/S Forging	EAF, B9NN, CONN, D1NL, 310372, CONN-C, B9NN-6202-B, B9NN-6302-B								
Connecting Rod	45 To 50 Lbs.Ft.								
Main Bearing	95 To 105 Lbs.Ft.								
3	144 CID (2.4L) 144 Ford Tractor Diesel 4 Cyl (1958-1965)				3.562in./90.5mm x 3.600in./91.4mm				3
Rod Bearing(4)	TM-77	CB-535P	STD,1,2,10,20,30,40	2.2978/2.2986	0.0005/0.0031	0.0622	2.4230/2.4238	1.0390	
Main Bearing Set	TM-77	MB-1540P							
Main Bearing Set 1-3	TM-77	MS-466P	STD,1,2,10,20,30,40	2.4980/2.4988	0.0005/0.0031	0.0963	2.6912/2.6920	1.3300	
2		MB-1501P		2.4980/2.4988	0.0005/0.0031	0.0963	2.6912/2.6920	1.7510	
		MB-1540P(F)							
Rod Forging	CONN, 312716, EAA-6200, EAA-6205, B9NN-6205A								
C/S Forging	EAF, B9NN, CONN, 310772								
Connecting Rod	45 To 50 Lbs.Ft.								
Main Bearing	110 To 115 Lbs.Ft.								
4	256 CID (4.2L) 256 Ford Tractor 4 Cyl				4.406in./112mm x 4.203in./106.8mm				4
	256 CID (4.2L) 256 Ford Tractor Diesel 4 Cyl				4.406in./112mm x 4.203in./106.8mm				
Rod Bearing(4)	TM-77	CB-757AL	STD,10,20,30,40	2.7496/2.7504	0.0015/0.0041	0.0943	2.9412/2.9420	1.4100	
NOTE: From 1968,Thru 1990, Naturally Aspirated									



NEW HOLLAND FORD (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
4 (Cont.)	256 CID (4.2L) 256 Ford Tractor 4 Cyl			4.406in./112mm x 4.203in./106.8mm				4 (Cont.)
	256 CID (4.2L) 256 Ford Tractor Diesel 4 Cyl			4.406in./112mm x 4.203in./106.8mm				
Main Bearing Set 1-2-4-5 3	AL-3	MS-866AL MB-2446AL MB-2447AL(F)	STD,10,20,30	3.3714/3.3722 3.3714/3.3722	0.0021/0.0043 0.0021/0.0043	0.1251 0.1251	3.6242/3.6250 3.6242/3.6250	1.1100 1.4550
NOTE: From 1968,Thru 1990								
Cam Bearing(5)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
NOTE: From 1968,Thru 1990, Only Sold Separately								
C/S Forging C5NE6303K, C5NE-6303-K								
Connecting Rod 50 To 55 Lbs.Ft. (Plated Bolts)								
Connecting Rod 65 To 70 Lbs.Ft. (Unplated Bolts)								
Main Bearing 115 To 125 Lbs.Ft. (9/16" Bolts)								
Main Bearing 90 To 95 Lbs.Ft. (1/2" Bolts)								
5	256 CID (4.2L) 256 Ford Tractor Turbocharged Diesel 4 Cyl			4.406in./112mm x 4.203in./106.8mm				5
Rod Bearing(4)	TM-77	CB-1210P	STD,10,20,30	2.7496/2.7504	0.0023/0.0045	0.0948	2.9412/2.9420	1.4100
NOTE: From 1968,Thru 1990, Turbocharged								
Main Bearing Set 1-2-4-5 3	AL-3	MS-866AL MB-2446AL MB-2447AL(F)	STD,10,20,30	3.3714/3.3722 3.3714/3.3722	0.0021/0.0043 0.0021/0.0043	0.1251 0.1251	3.6242/3.6250 3.6242/3.6250	1.1100 1.4550
NOTE: From 1968,Thru 1990								
Cam Bearing(5)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
NOTE: From 1968,Thru 1990, Only Sold Separately								
C/S Forging C5NE6303K, C5NE-6303-K								
Connecting Rod 50 To 55 Lbs.Ft. (Plated Bolts)								
Connecting Rod 65 To 70 Lbs.Ft. (Unplated Bolts)								
Main Bearing 115 To 125 Lbs.Ft. (9/16" Bolts)								
Main Bearing 90 To 95 Lbs.Ft. (1/2" Bolts)								
6 CYL								
6	401 CID (6.6L) 401 Ford Tractor Diesel 6 Cyl			4.406in./112mm x 4.406in./112mm				6
Rod Bearing(6)	TM-77	CB-757AL	STD,10,20,30,40	2.7496/2.7504	0.0015/0.0041	0.0943	2.9412/2.9420	1.4100
NOTE: From 1969,Thru 1983, Naturally Aspirated								
Main Bearing Set 1-2-3-5-6-7 4	AL-3	MS-977AL MB-2446AL MB-2447AL(F)	STD,10,20,30	3.3714/3.3722 3.3714/3.3722	0.0021/0.0043 0.0021/0.0043	0.1251 0.1251	3.6242/3.6250 3.6242/3.6250	1.1100 1.4550
NOTE: From 1969,Thru 1983								
Cam Bearing(5)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
NOTE: From 1969,Thru 1983, Only Sold Separately								
Connecting Rod 50 To 55 Lbs.Ft. (Plated Bolts)								
Connecting Rod 65 To 70 Lbs.Ft. (Unplated Bolts)								
Main Bearing 115 To 125 Lbs.Ft. (9/16" Bolts)								
Main Bearing 90 To 95 Lbs.Ft. (1/2" Bolts)								
7	401 CID (6.6L) BSD666 Ford Tractor Diesel 6 Cyl (1986-1997)			4.400in./111.8mm x 4.400in./111.8mm				7
Rod Bearing(6)	TM-112	CB-1638P	STD,10,20,30	2.7500/2.7504	0.0019/0.0027	0.0947	2.9412/2.9416	1.2500
NOTE: No Oil Hole In Bearing,Plain Upper and Lower Halves								
Rod Bearing(6)	TM-112	CB-1834P						
NOTE: Bearing Has Oil Hole 90 Degrees From Parting Line								
Main Bearing Set 1-2-3-4-6-7 5	TM-112	MS-2030P MB-4004P MB-4005P(F)	STD,10,20,30	3.3713/3.3723 3.3713/3.3723	0.0019/0.0047 0.0019/0.0047	0.1250 0.1250	3.6242/3.6250 3.6242/3.6250	1.1100 1.4550
Cam Bearing(7)	B-1	SH-652	STD	2.3895/2.3905	0.0005/0.0045	0.0715	2.5340/2.5350	0.7700
NOTE: Only Sold Separately								
C/S Forging C7NN-6303, C7NN-6303-A, E3HN-6303-AA, E3HN-6303-AB								
Connecting Rod 78 To 80 Lbs.Ft.								
Main Bearing 140 To 150 Lbs.Ft.								



NISSAN

ENGINE DATA

Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				4 CYL (Cont.)			
988CC (1.0L) A10	1965-1971	2.874in./73mmX2.323in./59mm	1	2389CC (2.4L) Z24/Z24i	1983-1989	3.504in./89mmX3.780in./96mm	10
1138CC (1.1L) D11	1966-1978	2.874in./73mmX2.677in./68mm	2	2488CC (2.5L) SD25 OHV	1983-1986	3.504in./89mmX3.937in./100mm	13
1171CC (1.2L) A12	1971-1973	2.874in./73mmX2.756in./70mm	3	Diesel			
1189CC (1.2L) E1	1961-1966	2.874in./73mmX2.795in./71mm	4	2663CC (2.7L) TD27	1986-1990	3.780in./96mmX3.622in./92mm	15
1237CC (1.2L) A12A	1980-1982	2.953in./75mmX2.756in./70mm	3	Diesel			
1288CC (1.3L) A13	1973-1974	2.874in./73mmX3.031in./77mm	3	6 CYL			
1299CC (1.3L) J13	1965-1972	2.874in./73mmX3.071in./78mm	5	2393CC (2.4L) L24 SOHC	1970-1973	3.268in./83mmX2.913in./74mm	16
1397CC (1.4L) A14	1975-1982	2.992in./76mmX3.031in./77mm	3	2393CC (2.4L) L24E	1977-1984	3.268in./83mmX2.913in./74mm	17
1488CC (1.5L) A15	1979-1982	2.992in./76mmX3.228in./82mm	3	SOHC			
1488CC (1.5L) E15/E15S	1982-1983	2.992in./76mmX3.228in./82mm	6	2565CC (2.6L) L26	1974	3.268in./83mmX3.110in./79mm	16
1488CC (1.5L) E15T	1983-1984	2.992in./76mmX3.228in./82mm	6	2753CC (2.8L) L28E	1975-1983	3.386in./86mmX3.110in./79mm	16
Turbocharged				SOHC			
1595CC (1.6L) L16	1968-1973	3.268in./83mmX2.886in./73.3mm	7	2753CC (2.8L) L28ET	1981-1983	3.386in./86mmX3.110in./79mm	16
1597CC (1.6L) CA16DE	1987	3.071in./78mmX3.307in./84mm	8	SOHC Turbo			
DOHC				Turbocharged			
1597CC (1.6L) E16	1983-1986	2.992in./76mmX3.465in./88mm	6	2793CC (2.8L) LD28	1981-1983	3.327in./84.5mmX3.268in./83mm	16
1597CC (1.6L) E16/E16S	1986-1988	2.992in./76mmX3.465in./88mm	6	SOHC Diesel			
1597CC (1.6L) GA16DE	1991-1998	2.992in./76mmX3.465in./88mm	9	2960CC (3.0L) VE30DE	1992-1994	3.425in./87mmX3.268in./83mm	18
1597CC (1.6L) GA16I	1989-1990	2.992in./76mmX3.465in./88mm	9	DOHC			
SOHC				2960CC (3.0L) VG30	1984-1989	3.425in./87mmX3.268in./83mm	18
1680CC (1.7L) CD17	1983-1986	3.150in./80mmX3.307in./84mm	8	SOHC			
Diesel				2960CC (3.0L) VG30DE	1990-1996	3.425in./87mmX3.268in./83mm	18
1770CC (1.8L) L18	1973-1974	3.346in./85mmX3.071in./78mm	7	DOHC			
1809CC (1.8L) CA18DE	1988-1989	3.268in./83mmX3.307in./84mm	8	2960CC (3.0L) VG30DETT	1990-1996	3.425in./87mmX3.268in./83mm	18
DOHC				DOHC Twin Turbo			
1809CC (1.8L) CA18ET	1984-1987	3.268in./83mmX3.307in./84mm	8	Turbocharged			
Turbo Turbocharged				2960CC (3.0L) VG30E	1984-1998	3.425in./87mmX3.268in./83mm	18
1952CC (2.0L) L20B	1974-1980	3.346in./85mmX3.386in./86mm	10	SOHC			
1952CC (2.0L) Z20	1983-1985	3.346in./85mmX3.386in./86mm	10	2960CC (3.0L) VG30T	1984-1989	3.425in./87mmX3.268in./83mm	18
1952CC (2.0L) Z20E	1980-1981	3.346in./85mmX3.386in./86mm	10	SOHC Turbo			
1952CC (2.0L) Z20S	1980-1981	3.346in./85mmX3.386in./86mm	10	Turbocharged			
1974CC (2.0L) CA20E	1984-1989	3.327in./84.5mmX3.465in./88mm	8	3246CC (3.2L) SD33	1966-1990	3.268in./83mmX3.937in./100mm	19
1974CC (2.0L) CA20S	1982-1983	3.327in./84.5mmX3.465in./88mm	8	Diesel			
1982CC (2.0L) H20	1967-1992	3.433in./87.2mmX3.268in./83mm	11	3275CC (3.3L) VG33E	1996-2000	3.602in./91.5mmX3.268in./83mm	18
1982CC (2.0L) U20	1968-1970	3.433in./87.2mmX3.268in./83mm	11	SOHC			
1998CC (2.0L) SR20DE	1991-2002	3.386in./86mmX3.386in./86mm	12	3956CC (4.0L) P/PF	1960-1980	3.374in./85.7mmX4.500in./114.3mm	20
DOHC				3956CC (4.0L) P40/PF	1981-1990	3.374in./85.7mmX4.500in./114.3mm	20
2164CC (2.2L) SD22 OHV	1963-1982	3.268in./83mmX3.937in./100mm	13	6925CC (6.9L) FE6 Diesel	1980-1991	4.252in./108mmX4.961in./126mm	21
Diesel				6925CC (6.9L) FE6T	1989-1991	4.252in./108mmX4.961in./126mm	21
2187CC (2.2L) Z22 SOHC	1981-1983	3.425in./87mmX3.622in./92mm	10	Turbocharged Diesel			
2187CC (2.2L) Z22E	1982-1983	3.425in./87mmX3.622in./92mm	10	6925CC (6.9L) FE6TA	1992-1998	4.252in./108mmX4.961in./126mm	21
SOHC				Turbocharged/Aftercooled			
2389CC (2.4L) KA24DE	1991-2002	3.504in./89mmX3.780in./96mm	14	Diesel			
DOHC							
2389CC (2.4L) KA24E	1989-1997	3.504in./89mmX3.780in./96mm	14				
SOHC							

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
200SX	1597CC (1.6L) GA16DE	1995-1998	9	280ZX	2753CC (2.8L) L28ET SOHC	1981-1983	16
200SX	1809CC (1.8L) CA18ET Turbo	1984-1987	8		Turbo		
200SX	1952CC (2.0L) L20B	1977-1979	10	300ZX	2960CC (3.0L) VG30T SOHC	1984-1989	18
200SX	1952CC (2.0L) Z20E	1980-1981	10		Turbo		
200SX	1974CC (2.0L) CA20E	1984-1988	8	300ZX	2960CC (3.0L) VG30 SOHC	1984-1989	18
200SX	1998CC (2.0L) SR20DE DOHC	1995-1998	12	300ZX	2960CC (3.0L) VG30DE DOHC	1990-1996	18
200SX	2187CC (2.2L) Z22E SOHC	1982-1983	10	300ZX	2960CC (3.0L) VG30DETT	1990-1996	18
200SX	2960CC (3.0L) VG30E SOHC	1987-1988	18		DOHC Twin Turbo		
210	1237CC (1.2L) A12A	1980-1982	3	310	1397CC (1.4L) A14	1979-1980	3
210	1397CC (1.4L) A14	1979-1982	3	310	1488CC (1.5L) A15	1981-1982	3
210	1488CC (1.5L) A15	1979-1982	3	310	1488CC (1.5L) E15/E15S	1982	6
240SX	2389CC (2.4L) KA24E SOHC	1989-1991	14	311	1189CC (1.2L) E1	1961-1964	4
240SX	2389CC (2.4L) KA24DE DOHC	1991-1998	14	312	1189CC (1.2L) E1	1961-1964	4
240Z	2393CC (2.4L) L24 SOHC	1970-1973	16	410	1189CC (1.2L) E1	1963-1966	4
260Z	2565CC (2.6L) L26	1974	16	411	1299CC (1.3L) J13	1965-1969	5
280Z	2753CC (2.8L) L28E SOHC	1975-1978	16	510	1595CC (1.6L) L16	1968-1973	7
280ZX	2753CC (2.8L) L28E SOHC	1979-1983	16	510	1952CC (2.0L) L20B	1978-1979	10



NISSAN (Cont.)											
MODEL DATA (Cont.)											
Model	Engine	Years	Block	Model	Engine	Years	Block				
510	1952CC (2.0L) Z20S	1980-1981	10	Maxima	2393CC (2.4L) L24E SOHC	1982-1984	17				
521	1299CC (1.3L) J13	1968-1969	5	Maxima	2793CC (2.8L) LD28 SOHC	1982-1983	16				
521	1595CC (1.6L) L16	1969-1972	7		Diesel						
610	1770CC (1.8L) L18	1973	7	Maxima	2960CC (3.0L) VG30E SOHC	1984-1994	18				
610	1952CC (2.0L) L20B	1974-1976	10	Maxima	2960CC (3.0L) VE30DE DOHC	1992-1994	18				
620	1299CC (1.3L) J13	1969-1972	5	Multi	1974CC (2.0L) CA20E	1984-1988	8				
620	1595CC (1.6L) L16	1972-1973	7	NX	1597CC (1.6L) GA16DE	1991-1993	9				
620	1770CC (1.8L) L18	1974	7	NX	1998CC (2.0L) SR20DE DOHC	1991-1993	12				
620	1952CC (2.0L) L20B	1975-1979	10	Pathfinder	2389CC (2.4L) Z24/Z24i	1987-1989	10				
710	1770CC (1.8L) L18	1974	7	Pathfinder	2960CC (3.0L) VG30E SOHC	1990-1995	18				
710	1952CC (2.0L) L20B	1975-1977	10	Pathfinder	3275CC (3.3L) VG33E SOHC	1996-2000	18				
720	1952CC (2.0L) L20B	1980	10	Patrol	3956CC (4.0L) P/PF	1960-1980	20				
720	1952CC (2.0L) Z20	1983-1985	10	Patrol	3956CC (4.0L) P40/PF	1981-1990	20				
720	2164CC (2.2L) SD22 OHV	1981-1982	13	Pulsar	1597CC (1.6L) E16	1983	6				
	Diesel			Pulsar NX	1488CC (1.5L) E15T	1983-1984	6				
720	2187CC (2.2L) Z22 SOHC	1981-1983	10	Pulsar NX	1597CC (1.6L) E16	1983-1986	6				
720	2389CC (2.4L) Z24/Z24i	1983-1986	10	Pulsar NX	1597CC (1.6L) E16I/E16S	1987-1988	6				
720	2488CC (2.5L) SD25 OHV	1983-1986	13	Pulsar NX	1597CC (1.6L) CA16DE DOHC	1987	8				
	Diesel			Pulsar NX	1597CC (1.6L) GA16I SOHC	1989-1990	9				
810	2393CC (2.4L) L24E SOHC	1977-1981	17	Pulsar NX	1809CC (1.8L) CA18DE DOHC	1988-1989	8				
810	2793CC (2.8L) LD28 SOHC	1981	16	Quest	2960CC (3.0L) VG30E SOHC	1993-1998	18				
	Diesel			Quest	3275CC (3.3L) VG33E SOHC	1999-2000	18				
1200	1171CC (1.2L) A12	1971-1973	3	Sentra	1488CC (1.5L) E15/E15S	1982-1983	6				
2000				Sentra	1597CC (1.6L) E16	1983-1986	6				
	1982CC (2.0L) U20	1968-1970	11	Sentra	1597CC (1.6L) E16I/E16S	1986-1988	6				
	2663CC (2.7L) TD27 Diesel	1986-1990	15	Sentra	1597CC (1.6L) GA16I SOHC	1989-1990	9				
	3246CC (3.2L) SD33 Diesel	1966-1990	19	Sentra	1597CC (1.6L) GA16DE	1991-1998	9				
	6925CC (6.9L) FE6 Diesel	1980-1986	21	Sentra	1680CC (1.7L) CD17 Diesel	1983-1986	8				
Altima	2389CC (2.4L) KA24DE DOHC	1993-2001	14	Sentra	1998CC (2.0L) SR20DE DOHC	1991-1994	12				
Axxess	2389CC (2.4L) KA24E SOHC	1989-1995	14	Stanza	1974CC (2.0L) CA20S	1982-1983	8				
B210	1171CC (1.2L) A12	1971-1973	3	Stanza	1974CC (2.0L) CA20E	1984-1989	8				
B210	1288CC (1.3L) A13	1973-1974	3	Stanza	2389CC (2.4L) KA24E SOHC	1990-1992	14				
B210	1397CC (1.4L) A14	1975-1978	3	Truck	3956CC (4.0L) P/PF	1960-1980	20				
CLA83D	6925CC (6.9L) FE6 Diesel	1987-1988	21	UD1800	6925CC (6.9L) FE6 Diesel	1989-1991	21				
CMA83E	6925CC (6.9L) FE6 Diesel	1987-1988	21	UD1800	6925CC (6.9L) FE6T Diesel	1989-1991	21				
Cabstar	3956CC (4.0L) P/PF	1960-1980	20	UD1800	6925CC (6.9L) FE6TA Diesel	1992-1998	21				
D21 Pickup	2389CC (2.4L) Z24/Z24i	1986-1989	10	UD2000	6925CC (6.9L) FE6 Diesel	1989-1991	21				
D21 Pickup	2389CC (2.4L) KA24E SOHC	1990-1997	14	UD2000	6925CC (6.9L) FE6T Diesel	1989-1991	21				
D21 Pickup	2960CC (3.0L) VG30E SOHC	1990-1996	18	UD2000	6925CC (6.9L) FE6TA Diesel	1992-1994	21				
D21 Pickup	2960CC (3.0L) VG30 SOHC	1986-1989	18	UD2300	6925CC (6.9L) FE6T Diesel	1989-1991	21				
Express	6925CC (6.9L) FE6T Diesel	1989	21	UD2300	6925CC (6.9L) FE6TA Diesel	1992-1998	21				
F10	1397CC (1.4L) A14	1976-1978	3	UD2600	6925CC (6.9L) FE6T Diesel	1989-1991	21				
Fire Engine	3956CC (4.0L) P40/PF	1981-1990	20	UD2600	6925CC (6.9L) FE6TA Diesel	1992-1998	21				
Forklift	988CC (1.0L) A10	1965-1971	1	UD2800	6925CC (6.9L) FE6T Diesel	1989-1991	21				
Forklift	1138CC (1.1L) D11	1966-1978	2	UD2800	6925CC (6.9L) FE6TA Diesel	1992-1994	21				
Forklift	1982CC (2.0L) H20	1967-1992	11	UD3000	6925CC (6.9L) FE6TA Diesel	1992-1998	21				
Forklift	2164CC (2.2L) SD22 OHV	1963-1982	13	Van	2389CC (2.4L) Z24/Z24i	1986-1989	10				
	Diesel			Xterra	2389CC (2.4L) KA24DE DOHC	2000-2002	14				
Frontier	2389CC (2.4L) KA24DE DOHC	1998-2002	14	Xterra	3275CC (3.3L) VG33E SOHC	2000	18				
Frontier	3275CC (3.3L) VG33E SOHC	1999-2000	18								
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1-0-2340	2.886in./73.3mm	7	7HA-6303	3.465in./88mm	9	31M	3.465in./88mm	6	88TM-BA	3.622in./92mm	10
1-1	3.386in./86mm	10	8F28	3.622in./92mm	10	31M	3.780in./96mm	14	90-21-0	3.622in./92mm	10
1.9	3.228in./82mm	6	8HA	3.622in./92mm	10	36-0	3.071in./78mm	5	90TM-AA	3.622in./92mm	10
2NABC	3.465in./88mm	6	8HA-6303	3.622in./92mm	10	40F	3.780in./96mm	14	90TM-AB	3.622in./92mm	10
2NABC	3.780in./96mm	14	8MTH	3.622in./92mm	10	41-74700	3.268in./83mm	11	91A-6303-A	3.622in./92mm	10
2Y68-76	3.465in./88mm	6	09N	3.228in./82mm	6	45-T	3.780in./96mm	14	91A-6303-B	3.622in./92mm	10
2Y68-76	3.780in./96mm	14	10-1	3.071in./78mm	7	70-2340	2.886in./73.3mm	7	91H-6303-B	3.622in./92mm	10
003K	3.228in./82mm	6	10-B	3.228in./82mm	6	74TM	3.465in./88mm	9	91K	3.622in./92mm	10
003N	3.228in./82mm	6	11M	3.228in./82mm	6	76TM	3.465in./88mm	9	91TM-AA	3.622in./92mm	10
3YA	3.780in./96mm	14	11M-14	3.228in./82mm	6	77A	3.465in./88mm	9	140N	3.228in./82mm	6
4A	3.780in./96mm	14	17M	3.228in./82mm	6	78TM	3.465in./88mm	9	176H	3.228in./82mm	6
4AC	3.780in./96mm	14	18-1	3.071in./78mm	5	78TM-CA	3.465in./88mm	9	201-0-132	3.071in./78mm	5
4AL	3.780in./96mm	14	30R	3.465in./88mm	6	81-K	3.465in./88mm	9	407N	3.780in./96mm	14
6-H	3.465in./88mm	9	30R	3.780in./96mm	14	82TM	3.622in./92mm	10	851M	3.622in./92mm	10
6M	3.465in./88mm	9	31-87	3.465in./88mm	6	82TM-HAA	3.622in./92mm	10	1174N	3.228in./82mm	6
7HA	3.465in./88mm	9	31-87	3.780in./96mm	14	86TM-BA	3.622in./92mm	10	2340	2.886in./73.3mm	7



NISSAN (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3141	2.913in./74mm	16	23040	2.886in./73.3mm	7	1805420C1	3.228in./82mm	6	F5	3.268in./83mm	18
3141	2.913in./74mm	17	25500	3.386in./86mm	10	A87	3.071in./78mm	7	H1040	2.756in./70mm	3
3281N	3.465in./88mm	6	32300	3.228in./82mm	3	A870	3.071in./78mm	7	H6240	3.031in./77mm	3
3281N	3.780in./96mm	14	90003C	3.622in./92mm	10	A874	3.071in./78mm	7	H8940	3.031in./77mm	3
4196N	3.780in./96mm	14	329880N	3.465in./88mm	6	D1742	3.465in./88mm	8	H9740	3.031in./77mm	3
7243N	3.465in./88mm	9	329880N	3.780in./96mm	14	E3140	2.913in./74mm	17	OWG	3.622in./92mm	10
9166N	3.622in./92mm	10	887652N	3.622in./92mm	10	E3141	2.913in./74mm	16	P3040	3.110in./79mm	16
13111-03010-D	3.228in./82mm	6	1802224C92	3.228in./82mm	6	E3141	2.913in./74mm	17	U6040	3.071in./78mm	7
13241	3.071in./78mm	5	1802224C93	3.228in./82mm	6	E3142	2.913in./74mm	16	U6040	3.386in./86mm	10
020201A1	3.228in./82mm	6	1803420C1	3.228in./82mm	6	E3142	2.913in./74mm	17	VG30	3.268in./83mm	18

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1 988CC (1.0L) A10 4 Cyl (1965-1971)

2.874in./73mm x 2.323in./59mm

1

Rod Bearing(4)	TM-1	CB-980P	STD.,.25mm,.50mm	1.7701/1.7706	0.0009/0.0024	0.0594	1.8898/1.8902	0.7720
Cam Bearing Set	B-1	SH-767S	STD					
1		SH-767		1.7237/1.7242	0.0014/0.0045	0.0624	1.8504/1.8514	0.9350
2		SH-768		1.7041/1.7046	0.0013/0.0044	0.0624	1.8307/1.8317	0.5610
3		SH-769		1.6844/1.6849	0.0013/0.0044	0.0624	1.8110/1.8120	0.5610
4		SH-770		1.6647/1.6652	0.0013/0.0044	0.0624	1.7913/1.7923	0.5610
5		SH-771		1.6224/1.6229	0.0013/0.0044	0.0624	1.7490/1.7500	0.5610

Connecting Rod 23 To 27 Lbs.Ft.

Main Bearing 36 To 43 Lbs.Ft.

2 1138CC (1.1L) D11 4 Cyl (1966-1978)

2.874in./73mm x 2.677in./68mm

2

Rod Bearing(4)	TM-1	CB-1122P	STD.,.25mm,.50mm	1.7306/1.7311	0.0008/0.0026	0.0594	1.8505/1.8510	0.9840
Main Bearing Set	TM-1	MS-1327P	STD.,.25mm,.50mm					
1-3		MB-1246P		2.0589/2.0594	0.0008/0.0031	0.0722	2.2054/2.2059	1.1810
2		MB-1247P		2.0589/2.0594	0.0008/0.0031	0.0722	2.2054/2.0259	1.3390
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-105S								
Thrust Washer Set		TW-105S	STD					
		MB-1730WA		2.2150/2.2800			2.7380/2.7500	0.0930
		MB-1730WB		2.2150/2.2250			2.7400/2.7500	0.0930

NOTE: Contains 4 Pieces, Position Number 2, Use With Part Number MS-1327P

Connecting Rod 24 To 25 Lbs.Ft.

Main Bearing 76 To 80 Lbs.Ft.

3 1171CC (1.2L) A12 4 Cyl (1971-1973) 1237CC (1.2L) A12A 4 Cyl (1980-1982) 1288CC (1.3L) A13 4 Cyl (1973-1974) 1397CC (1.4L) A14 4 Cyl (1975-1982) 1488CC (1.5L) A15 4 Cyl (1979-1982)

2.874in./73mm x 2.756in./70mm
2.953in./75mm x 2.756in./70mm
2.874in./73mm x 3.031in./77mm
2.992in./76mm x 3.031in./77mm
2.992in./76mm x 3.228in./82mm

3

Rod Bearing(4)	TM-1	CB-980P	STD.,.25mm,.50mm	1.7701/1.7706	0.0009/0.0024	0.0594	1.8898/1.8902	0.7720
Main Bearing Set	TM-1	MS-1107P	STD.,.25mm,.75mm					
1-5		MB-634P		1.9666/1.9671	0.0008/0.0032	0.0722	2.1120/2.1129	0.8710
2-4		MB-635P		1.9666/1.9671	0.0008/0.0032	0.0722	2.1120/2.1129	0.7130
3		MB-636P(F)		1.9666/1.9671	0.0008/0.0032	0.0722	2.1120/2.1129	1.0610
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm And 1.00mm Undersize Sets Contains .25mm Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-767S	STD					
1		SH-767		1.7237/1.7242	0.0014/0.0045	0.0624	1.8504/1.8514	0.9350
2		SH-768		1.7041/1.7046	0.0013/0.0044	0.0624	1.8307/1.8317	0.5610
3		SH-769		1.6844/1.6849	0.0013/0.0044	0.0624	1.8110/1.8120	0.5610
4		SH-770		1.6647/1.6652	0.0013/0.0044	0.0624	1.7913/1.7923	0.5610
5		SH-771		1.6224/1.6229	0.0013/0.0044	0.0624	1.7490/1.7500	0.5610

C/S Forging 32300, H1040, H6240, H8940, H9740

Connecting Rod 23 To 27 Lbs.Ft.

Main Bearing 36 To 43 Lbs.Ft.

4 1189CC (1.2L) E1 4 Cyl (1961-1966)

2.874in./73mm x 2.795in./71mm

4

Rod Bearing(4)	TM-1	CB-967P	STD.,.25mm,.50mm,.75mm,1.00mm	1.8756/1.8761	0.0009/0.0029	0.0722	2.0210/2.0215	0.8660



NISSAN (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
4 (Cont.)	1189CC (1.2L) E1 4 Cyl (1961-1966)				2.874in./73mm x 2.795in./71mm			4 (Cont.)
Main Bearing Set 1-2-3	C-1	MS-1055G MB-602G	STD	2.0005/2.0010	0.0005/0.0021	0.0722	2.1460/2.1465	1.2240
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-105S								
Thrust Washer Set		TW-105S MB-1730WA MB-1730WB	STD	2.2150/2.2800 2.2150/2.2250			2.7380/2.7500 2.7400/2.7500	0.0930 0.0930
NOTE: Contains 4 Pieces, Position Number 2, Use With Part Number MS-1055G								
Cam Bearing Set 1 2 3	B-1	SH-764S SH-764 SH-765 SH-766	STD	1.7886/1.7890 1.7282/1.7287 1.6228/1.6232	0.0012/0.0042 0.0015/0.0046 0.0010/0.0040	0.0624 0.0624 0.0624	1.9150/1.9160 1.8550/1.8560 1.7490/1.7500	1.4920 0.8760 0.8210
Connecting Rod Main Bearing	22 To 25 Lbs.Ft. 75 To 80 Lbs.Ft.							
5	1299CC (1.3L) J13 4 Cyl (1965-1972)				2.874in./73mm x 3.071in./78mm			5
Rod Bearing(4)	TM-1	CB-967P	STD, .25mm, .50mm, .75mm, 1.00mm	1.8756/1.8761	0.0009/0.0029	0.0722	2.0210/2.0215	0.8660
Main Bearing Set 1-2-3	C-1	MS-1055G MB-602G	STD	2.0005/2.0010	0.0005/0.0021	0.0722	2.1460/2.1465	1.2240
NOTE: 1965-1969, Requires Thrust Washer Set, Not Included, Use With Part Number TW-105S								
Main Bearing Set 1-2-3		MS-1329P MB-1269P	STD, .25mm, .50mm, .75mm	2.0005/2.0010	0.0008/0.0028	0.0722	2.1460/2.1465	1.1070
NOTE: 1970-1972, Requires Thrust Washer Set, Not Included, Use With Part Number TW-105S								
Thrust Washer Set	C-1	TW-105S MB-1730WA MB-1730WB	STD	2.2150/2.2800 2.2150/2.2250			2.7380/2.7500 2.7400/2.7500	0.0930 0.0930
NOTE: Contains 4 Pieces, Position Number 2, Use With Part Numbers MS-1055G, MS-1329P								
Cam Bearing Set 1 2 3	B-1	SH-764S SH-764 SH-765 SH-766	STD	1.7886/1.7890 1.7282/1.7287 1.6228/1.6232	0.0012/0.0042 0.0015/0.0046 0.0010/0.0040	0.0624 0.0624 0.0624	1.9150/1.9160 1.8550/1.8560 1.7490/1.7500	1.4920 0.8760 0.8210
C/S Forging	18-1, 36-0, 13241, 201-0-132							
Connecting Rod Main Bearing	22 To 25 Lbs.Ft. 75 To 80 Lbs.Ft.							
6	1488CC (1.5L) E15/E15S 4 Cyl (1982-1983) 1488CC (1.5L) E15T Turbocharged 4 Cyl (1983-1984) 1597CC (1.6L) E16 4 Cyl (1983-1986) 1597CC (1.6L) E16/E16S 4 Cyl (1986-1988)				2.992in./76mm x 3.228in./82mm 2.992in./76mm x 3.228in./82mm 2.992in./76mm x 3.465in./88mm 2.992in./76mm x 3.465in./88mm			6
Rod Bearing(4)	TM-77	CB-1590P	STD, .25mm, .50mm	1.5731/1.5738	0.0004/0.0024	0.0594	1.6929/1.6934	0.6690
Main Bearing Set 1-5 2-4 3	TM-1	MS-2072P MB-2931P MB-2932P MB-3568P(F)	STD, .25mm, .50mm	1.9661/1.9673 1.9661/1.9673 1.9661/1.9673	0.0007/0.0038 0.0007/0.0038 0.0007/0.0038	0.0720 0.0720 0.0720	2.1119/2.1129 2.1119/2.1129 2.1119/2.1129	0.8720 0.7090 1.0610
NOTE: All Sizes Contain Standard Length Flanged Bearing								
C/S Forging	09N, 1.9, 11M, 17M, 30R, 31M, 003K, 003N, 10-B, 140N, 176H, 1174N, 2NABC, 31-87, 3281N, 11M-14, 2Y68-76, 329880N, 020201A1, 1803420C1, 1805420C1, 1802224C92, 1802224C93, 13111-03010-D							
Connecting Rod Main Bearing	23 To 27 Lbs.Ft. 36 To 43 Lbs.Ft.							
7	1595CC (1.6L) L16 4 Cyl (1968-1973) 1770CC (1.8L) L18 4 Cyl (1973-1974)				3.268in./83mm x 2.886in./73.3mm 3.346in./85mm x 3.071in./78mm			7
Rod Bearing(4)	TM-1	CB-966P	STD, .25mm, .50mm, .75mm, 1.00mm	1.9670/1.9675	0.0006/0.0026	0.0593	2.0866/2.0871	0.8660
Main Bearing Set 1 2-4 3 5	TM-1	MS-1054P MB-606P MB-607P MB-608P(F) MB-609P	.25mm	2.1631/2.1636 2.1631/2.1636 2.1631/2.1636 2.1631/2.1636	0.0012/0.0032 0.0012/0.0032 0.0008/0.0028 0.0012/0.0032	0.0722 0.0722 0.0724 0.0722	2.3089/2.3094 2.3089/2.3094 2.3089/2.3094 2.3089/2.3094	1.0280 0.9490 1.2580 1.0280
NOTE: .25mm Undersize Set Contains .15mm Oversize Length Flanged Bearing								
C/S Forging	A87, 10-1, 2340, A870, A874, 23040, U6040, 70-2340, 1-0-2340							



NISSAN (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
7 (Cont.)	1595CC (1.6L) L16 4 Cyl (1968-1973) 1770CC (1.8L) L18 4 Cyl (1973-1974)			3.268in./83mm x 2.886in./73.3mm 3.346in./85mm x 3.071in./78mm				7 (Cont.)
Connecting Rod	23 To 27 Lbs.Ft. (1595CC (1.6L) L16)							
Connecting Rod	33 To 40 Lbs.Ft. (1770CC (1.8L) L18)							
Main Bearing	33 To 40 Lbs.Ft.							
8	1597CC (1.6L) CA16DE DOHC 4 Cyl (1987) 1680CC (1.7L) CD17 Diesel 4 Cyl (1983-1986) 1809CC (1.8L) CA18DE DOHC 4 Cyl (1988-1989) 1809CC (1.8L) CA18ET Turbo Turbocharged 4 Cyl (1984-1987) 1974CC (2.0L) CA20E 4 Cyl (1984-1989) 1974CC (2.0L) CA20S 4 Cyl (1982-1983)			3.071in./78mm x 3.307in./84mm 3.150in./80mm x 3.307in./84mm 3.268in./83mm x 3.307in./84mm 3.268in./83mm x 3.307in./84mm 3.327in./84.5mm x 3.465in./88mm 3.327in./84.5mm x 3.465in./88mm				8
Rod Bearing(4)	TM-77	CB-1287P	STD.,.25mm,.50mm,.75mm	1.7701/1.7706	0.0009/0.0031	0.0594	1.8898/1.8902	0.7340
Main Bearing Set	TM-77	MS-1565P	STD.,.25mm,.50mm,.75mm					
1-2-4-5		MB-2879P		2.0848/2.0853	0.0006/0.0034	0.0722	2.2300/2.2310	0.8720
3		MB-2880P(F)		2.0848/2.0853	0.0006/0.0034	0.0722	2.2300/2.2310	1.0990
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm And 1.00mm Undersize Sets Contains .25mm Oversize Length Flanged Bearing								
Main Bearing Set	TM-1	MS-2073P-.25mm						
1-2-4-5		MB-2879P		2.0848/2.0853	0.0006/0.0034	0.0722	2.2300/2.2310	0.8720
3		MB-3569P(F)		2.0848/2.0853	0.0006/0.0034	0.0722	2.2300/2.2310	1.0990
NOTE: All Sizes Contain Standard Length Flanged Bearing								
C/S Forging	D1742							
Connecting Rod	27 To 40 Lbs.Ft.							
Main Bearing	33 To 40 Lbs.Ft.							
9	1597CC (1.6L) GA16DE 4 Cyl (1991-1998) 1597CC (1.6L) GA16I SOHC 4 Cyl (1989-1990)			2.992in./76mm x 3.465in./88mm 2.992in./76mm x 3.465in./88mm				9
Rod Bearing(4)	TM-77	CB-1590P	STD.,.25mm,.50mm	1.5731/1.5738	0.0004/0.0024	0.0594	1.6929/1.6934	0.6690
Main Bearing Set	AL-3	MS-1950P	STD.,.25mm,.50mm					
1-2-3-4-5		MB-3343P		1.9667/1.9671	0.0008/0.0037	0.0720	2.1119/2.1129	0.6690
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-551S								
Thrust Washer Set		TW-551S	STD					
		MB-3343W		2.2057			2.7953	0.0780
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1950P								
C/S Forging	6M, 6-H, 77A, 7HA, 74TM, 76TM, 78TM, 81-K, 7243N, 78TM-CA, 7HA-6303							
Connecting Rod	23 To 27 Lbs.Ft.							
Main Bearing	34 To 38 Lbs.Ft.							
10	1952CC (2.0L) L20B 4 Cyl (1974-1980) 1952CC (2.0L) Z20 4 Cyl (1983-1985) 1952CC (2.0L) Z20E,Z20S 4 Cyl (1980-1981) 2187CC (2.2L) Z22 SOHC 4 Cyl (1981-1983) 2187CC (2.2L) Z22E SOHC 4 Cyl (1982-1983) 2389CC (2.4L) Z24/Z24i 4 Cyl (1983-1989)			3.346in./85mm x 3.386in./86mm 3.346in./85mm x 3.386in./86mm 3.346in./85mm x 3.386in./86mm 3.425in./87mm x 3.622in./92mm 3.425in./87mm x 3.622in./92mm 3.504in./89mm x 3.780in./96mm				10
Rod Bearing(4)	TM-1	CB-966P	STD.,.25mm,.50mm,.75mm,1.00mm	1.9670/1.9675	0.0006/0.0026	0.0593	2.0866/2.0871	0.8660
Main Bearing Set	TM-1	MS-2042P	STD.,.25mm,.50mm,.75mm					
1		MB-2885P		2.3599/2.3604	0.0007/0.0024	0.0722	2.5057/2.5062	1.0240
2-3		MB-2886P		2.3599/2.3604	0.0007/0.0024	0.0722	2.5057/2.5062	0.9450
3		MB-3519P(F)		2.3599/2.3604	0.0007/0.0024	0.0722	2.5057/2.5062	1.2580
5		MB-2888P		2.3599/2.3604	0.0007/0.0024	0.0722	2.5057/2.5062	1.0240
NOTE: All Sizes Contain Standard Length Flanged Bearing								
C/S Forging	1-1, 8HA, 91K, OWG, 82TM, 851M, 8F28, 8MTH, 25500, 9166N, U6040, 90003C, 86TM-BA, 887652N, 88TM-BA, 90-21-0, 90TM-AA, 90TM-AB, 91TM-AA, 82TM-HAA, 8HA-6303, 91A-6303-A, 91A-6303-B, 91H-6303-B							
Connecting Rod	33 To 40 Lbs.Ft. (1952CC (2.0L) L20B,1952CC (2.0L) Z20,1952CC (2.0L) Z20E,2187CC (2.2L) Z22 SOHC,2187CC (2.2L) Z22E SOHC)							
Connecting Rod	33 To 40 Lbs.Ft. (Thru Engine Serial Number 829143)							
Connecting Rod	Step A 10 To 12 Lbs.Ft.; Step B 28 To 33 Lbs.Ft. (From Engine Serial Number 829143)							
Main Bearing	33 To 40 Lbs.Ft.							
11	1982CC (2.0L) H20 4 Cyl (1967-1992) 1982CC (2.0L) U20 4 Cyl (1968-1970)			3.433in./87.2mm x 3.268in./83mm 3.433in./87.2mm x 3.268in./83mm				11
Rod Bearing(4)	TM-1	CB-981P	STD.,.25mm,.50mm,.75mm	2.0457/2.0462	0.0011/0.0031	0.0593	2.1654/2.1659	0.9490



NISSAN (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
11 (Cont.)	1982CC (2.0L) H20 4 Cyl (1967-1992)			3.433in./87.2mm x 3.268in./83mm				11 (Cont.)
	1982CC (2.0L) U20 4 Cyl (1968-1970)			3.433in./87.2mm x 3.268in./83mm				
Main Bearing Set	TM-1	MS-1108P	STD,.25mm,					
1-5		MB-637P		2.4780/2.4785	0.0012/0.0032	0.0722	2.6238/2.6243	1.1060
2-4		MB-638P		2.4780/2.4785	0.0012/0.0032	0.0722	2.6238/2.6243	0.8700
3		MB-639P(F)		2.4780/2.4785	0.0012/0.0032	0.0722	2.6238/2.6243	1.3370
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-772S	STD					
1		SH-772		1.7887/1.7892	0.0010/0.0040	0.0624	1.9150/1.9160	0.5610
2		SH-765		1.7282/1.7287	0.0015/0.0046	0.0624	1.8550/1.8560	0.8760
3		SH-774		1.6228/1.6233	0.0009/0.0040	0.0624	1.7490/1.7500	0.9550
C/S Forging 41-74700								
Connecting Rod	65 Lbs.Ft.							
Main Bearing	65 Lbs.Ft.							
12	1998CC (2.0L) SR20DE DOHC 4 Cyl (1991-2002)			3.386in./86mm x 3.386in./86mm				12
Rod Bearing(4)	TM-1	CB-1629P	STD,.25mm	1.8880/1.8890	0.0008/0.0018	0.0595	2.0079/2.0084	0.6690
Main Bearing Set	TM-1	MS-2015P	STD,.25mm					
1-2-3-4-5		MB-3478P		2.1636/2.1646	0.0005/0.0022	0.0779	2.3206/2.3216	0.7480
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-590S								
Thrust Washer Set		TW-590S	STD					
		MB-3478W		2.4314			3.2878	0.0770
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-2015P								
Connecting Rod	Step A 10 To 12 Lbs.Ft.; Step B 28 To 33 Lbs.Ft.							
Main Bearing	Step A 24 To 28 Lbs.Ft.; Step B 54 To 61 Lbs.Ft.							
13	2164CC (2.2L) SD22 OHV Diesel 4 Cyl (1963-1982)			3.268in./83mm x 3.937in./100mm				13
	2488CC (2.5L) SD25 OHV Diesel 4 Cyl (1983-1986)			3.504in./89mm x 3.937in./100mm				
Rod Bearing(4)	TM-1	CB-988P	STD,.25mm,.50mm,.75mm	2.0832/2.0837	0.0014/0.0034	0.0590	2.2042/2.2047	1.0230
Cam Bearing Set	B-1	SH-772S	STD					
1		SH-772		1.7887/1.7892	0.0010/0.0040	0.0624	1.9150/1.9160	0.5610
2		SH-765		1.7282/1.7287	0.0015/0.0046	0.0624	1.8550/1.8560	0.8760
3		SH-774		1.6228/1.6233	0.0009/0.0040	0.0624	1.7490/1.7500	0.9550
Connecting Rod	36 To 40 Lbs.Ft. (2488CC (2.5L) SD25 OHV)							
Connecting Rod	36 To 40 Lbs.Ft. (1981-1983, 2164CC (2.2L) SD22 OHV)							
Connecting Rod	37 Lbs.Ft. (1963-1980, 2164CC (2.2L) SD22 OHV)							
Main Bearing	108 To 116 Lbs.Ft. (2488CC (2.5L) SD25 OHV)							
Main Bearing	108 To 116 Lbs.Ft. (1981-1983, 2164CC (2.2L) SD22 OHV)							
Main Bearing	123 To 127 Lbs.Ft. (1963-1980, 2164CC (2.2L) SD22 OHV)							
14	2389CC (2.4L) KA24DE DOHC 4 Cyl (1991-2002)			3.504in./89mm x 3.780in./96mm				14
	2389CC (2.4L) KA24E SOHC 4 Cyl (1989-1997)			3.504in./89mm x 3.780in./96mm				
Rod Bearing(4)	TM-1	CB-1589P	STD,.25mm,.50mm	1.9670/1.9675	0.0004/0.0024	0.0594	2.0866/2.0871	0.7870
Main Bearing Set	TM-1	MS-1949P	STD,.25mm,.50mm					
1-2-4-5		MB-3341P		2.3606/2.3615	0.0005/0.0038	0.0722	2.5063/2.5068	0.7480
3		MB-3342P(F)		2.3606/2.3615	0.0005/0.0038	0.0722	2.5063/2.5068	1.0610
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing								
Main Bearing Set	TM-1	MS-2080P-.25mm	.50mm					
1-2-4-5		MB-3341P		2.3606/2.3615	0.0005/0.0038	0.0722	2.5063/2.5068	0.7480
3		MB-3576P(F)		2.3606/2.3615	0.0005/0.0038	0.0722	2.5063/2.5068	1.0610
NOTE: All Sizes Contain Standard Length Flanged Bearing								
C/S Forging 4A, 30R, 31M, 3YA, 40F, 4AC, 4AL, 407N, 45-T, 2NABC, 31-87, 3281N, 4196N, 2Y68-76, 329880N								
Connecting Rod	Step A 12 Lbs.Ft.; Step B 33 Lbs.Ft. (1963-1980,)							
Main Bearing	38 Lbs.Ft.							
15	2663CC (2.7L) TD27 Diesel 4 Cyl (1986-1990)			3.780in./96mm x 3.622in./92mm				15
Rod Bearing(4)	TM-1	CB-1463P	STD	2.2402/2.2412	0.0012/0.0031	0.0596	2.3612/2.3622	1.0240
Connecting Rod	58 To 61 Lbs.Ft.							
Main Bearing	123 To 130 Lbs.Ft.							



NISSAN (Cont.)										
COUNTER DATA				SHOP DATA						
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length		
6 CYL										
16	2393CC (2.4L) L24 SOHC 6 Cyl (1970-1973)			3.268in./83mm x 2.913in./74mm				16		
	2565CC (2.6L) L26 6 Cyl (1974)			3.268in./83mm x 3.110in./79mm						
	2753CC (2.8L) L28E SOHC 6 Cyl (1975-1983)			3.386in./86mm x 3.110in./79mm						
	2753CC (2.8L) L28ET SOHC Turbo Turbocharged 6 Cyl (1981-1983)			3.386in./86mm x 3.110in./79mm						
	2793CC (2.8L) LD28 SOHC Diesel 6 Cyl (1981-1983)			3.327in./84.5mm x 3.268in./83mm						
Rod Bearing(6)	TM-1	CB-966P	STD.,.25mm,.50mm,.75mm,1.00mm	1.9670/1.9675	0.0006/0.0026	0.0593	2.0866/2.0871	0.8660		
Main Bearing Set	TM-1	MS-1106P	STD.,.25mm,.50mm,.75mm							
1-7		MB-631P		2.1631/2.1636	0.0012/0.0032	0.0722	2.3089/2.3094	1.0280		
2-3-5-6		MB-632P		2.1631/2.1636	0.0012/0.0032	0.0722	2.3089/2.3094	0.9490		
4		MB-633P(F)		2.1631/2.1636	0.0008/0.0032	0.0724	2.3089/2.3094	1.2580		
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing										
Main Bearing Set	TM-1	MS-2081P-.25mm	.50mm							
1-7		MB-631P		2.1631/2.1636	0.0012/0.0032	0.0722	2.3089/2.3094	1.0280		
2-3-5-6		MB-632P		2.1631/2.1636	0.0012/0.0032	0.0722	2.3089/2.3094	0.9490		
4		MB-3577P(F)		2.1631/2.1636	0.0008/0.0032	0.0724	2.3089/2.3094	1.2580		
NOTE: All Sizes Contain Standard Length Flanged Bearing										
C/S Forging 3141, E3141, E3142, P3040										
Connecting Rod 38 Lbs.Ft.										
17	2393CC (2.4L) L24E SOHC 6 Cyl (1977-1984)			3.268in./83mm x 2.913in./74mm				17		
	Rod Bearing(6)	TM-1	CB-966P	STD.,.25mm,.50mm,.75mm,1.00mm	1.9670/1.9675	0.0006/0.0026	0.0593		2.0866/2.0871	0.8660
	NOTE: Thru 6/82									
	Rod Bearing(6)	TM-1	CB-1287P	STD.,.25mm,.50mm,.75mm	1.7701/1.7706	0.0009/0.0031	0.0594		1.8898/1.8902	0.7340
	NOTE: From 6/82									
Main Bearing Set	TM-1	MS-1106P	STD.,.25mm,.50mm,.75mm							
1-7		MB-631P		2.1631/2.1636	0.0012/0.0032	0.0722	2.3089/2.3094	1.0280		
2-3-5-6		MB-632P		2.1631/2.1636	0.0012/0.0032	0.0722	2.3089/2.3094	0.9490		
4		MB-633P(F)		2.1631/2.1636	0.0008/0.0032	0.0724	2.3089/2.3094	1.2580		
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing										
Main Bearing Set	TM-1	MS-2081P-.25mm	.50mm							
1-7		MB-631P		2.1631/2.1636	0.0012/0.0032	0.0722	2.3089/2.3094	1.0280		
2-3-5-6		MB-632P		2.1631/2.1636	0.0012/0.0032	0.0722	2.3089/2.3094	0.9490		
4		MB-3577P(F)		2.1631/2.1636	0.0008/0.0032	0.0724	2.3089/2.3094	1.2580		
NOTE: All Sizes Contain Standard Length Flanged Bearing										
C/S Forging 3141, E3140, E3141, E3142										
Connecting Rod 38 Lbs.Ft.										
18	2960CC (3.0L) VE30DE DOHC V6 Cyl (1992-1994)			3.425in./87mm x 3.268in./83mm				18		
	2960CC (3.0L) VG30 SOHC V6 Cyl (1984-1989)			3.425in./87mm x 3.268in./83mm						
	2960CC (3.0L) VG30DE DOHC V6 Cyl (1990-1996)			3.425in./87mm x 3.268in./83mm						
	2960CC (3.0L) VG30DETT DOHC Twin Turbo Turbocharged V6 Cyl (1990-1996)			3.425in./87mm x 3.268in./83mm						
	2960CC (3.0L) VG30E SOHC V6 Cyl (1984-1998)			3.425in./87mm x 3.268in./83mm						
	2960CC (3.0L) VG30T SOHC Turbo Turbocharged V6 Cyl (1984-1989)			3.425in./87mm x 3.268in./83mm						
	3275CC (3.3L) VG33E SOHC V6 Cyl (1996-2000)			3.602in./91.5mm x 3.268in./83mm						
	Rod Bearing(6)	TM-1	CB-1591P	STD.,.25mm,.50mm	1.9669/1.9675	0.0006/0.0024	0.0594		2.0866/2.0871	0.6690
Main Bearing Set	TM-1	MS-1951P	STD.,.25mm,.50mm							
1		MB-3344P		2.4784/2.4793	0.0004/0.0034	0.0720	2.6238/2.6249	0.8860		
2-3		MB-3345P		2.4784/2.4793	0.0004/0.0034	0.0720	2.6238/2.6249	0.7480		
4		MB-3346P(F)		2.4784/2.4793	0.0004/0.0034	0.0720	2.6238/2.6249	1.1340		
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing										
Main Bearing Set	TM-1	MS-2074P-.25mm	.50mm							
1		MB-2995P		2.4784/2.4793	0.0011/0.0039	0.0720	2.6238/2.6243	0.8910		
2-3		MB-2996P		2.4784/2.4793	0.0011/0.0039	0.0720	2.6238/2.6243	0.7530		
4		MB-3570P(F)		2.4784/2.4793	0.0011/0.0039	0.0720	2.6238/2.6243	1.1360		
NOTE: All Sizes Contain Standard Length Flanged Bearing										
C/S Forging F5, VG30										
Connecting Rod 33 To 40 Lbs.Ft. (2960CC (3.0L) VG30 SOHC,2960CC (3.0L) VG30E SOHC,2960CC (3.0L) VG30T SOHC Turbo,3275CC (3.3L) VG33E SOHC)										
Connecting Rod 43 To 48 Lbs.Ft. (2960CC (3.0L) VE30DE DOHC,2960CC (3.0L) VG30DE DOHC,2960CC (3.0L) VG30DETT DOHC Twin Turbo)										
Main Bearing 67 To 74 Lbs.Ft.										



NISSAN (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
19	3246CC (3.2L) SD33 Diesel 6 Cyl (1966-1990)			3.268in./83mm x 3.937in./100mm				19
Rod Bearing(6)	TM-1	CB-988P	STD, .25mm, .50mm, .75mm	2.0832/2.0837	0.0014/0.0034	0.0590	2.2042/2.2047	1.0230
Main Bearing Set 1-2-3-4	TM-1	MS-1332P MB-642P	STD	2.7916/2.7921	0.0014/0.0034	0.0790	2.9520/2.9528	1.2650
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-230S								
Cam Bearing Set 1 2-3 4	B-1	SH-952S SH-772 SH-765 SH-774	STD	1.7887/1.7892 1.7282/1.7287 1.6228/1.6233	0.0010/0.0040 0.0015/0.0046 0.0009/0.0040	0.0624 0.0624 0.0624	1.9150/1.9160 1.8550/1.8560 1.7490/1.7500	0.5610 0.8760 0.9550
NOTE: Thru 4/79								
Connecting Rod	37 Lbs.Ft.							
Main Bearing	123 To 127 Lbs.Ft.							
20	3956CC (4.0L) P/PF 6 Cyl (1960-1980)			3.374in./85.7mm x 4.500in./114.3mm				20
	3956CC (4.0L) P40/PF 6 Cyl (1981-1990)			3.374in./85.7mm x 4.500in./114.3mm				
Rod Bearing(6)	TM-1	CB-811G	STD, .25mm, .50mm, .75mm, 1.00mm	2.2492/2.2500	0.0010/0.0035	0.0594	2.3693/2.3700	1.0280
Main Bearing Set 1 2-3-5-6 4 7	TM-1	MS-1569P MB-2884P(F) MB-83G MB-84G MB-85G	STD	2.7274/2.7283 2.7274/2.7283 2.7274/2.7283 2.7274/2.7283	0.0016/0.0044 0.0016/0.0044 0.0016/0.0044 0.0016/0.0044	0.0722 0.0722 0.0722 0.0722	2.8740/2.8750 2.8740/2.8750 2.8740/2.8750 2.8740/2.8750	1.5940 1.0280 1.6180 1.9330
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing, .75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3 4	B-1	SH-951S SH-951 SH-952 SH-953 SH-954	STD	1.9340/1.9350 1.9260/1.9270 1.9148/1.9158 1.9020/1.9030	0.0005/0.0040 0.0005/0.0040 0.0005/0.0040 0.0005/0.0040	0.0648 0.0648 0.0648 0.0648	2.0660 2.0580 2.0460 2.0340	1.1560 0.7500 0.7500 1.2500
Connecting Rod	33 To 49 Lbs.Ft.							
Main Bearing	72 To 87 Lbs.Ft.							
21	6925CC (6.9L) FE6 Diesel 6 Cyl (1980-1991)			4.252in./108mm x 4.961in./126mm				21
	6925CC (6.9L) FE6T Turbocharged Diesel 6 Cyl (1989-1991)			4.252in./108mm x 4.961in./126mm				
	6925CC (6.9L) FE6TA Turbocharged/Aftercooled Diesel 6 Cyl (1992-1998)			4.252in./108mm x 4.961in./126mm				
Rod Bearing(6)	TM-1	CB-1630P	STD, .25mm	2.5561/2.5569	0.0014/0.0037	0.0788	2.7157/2.7165	1.2600
Main Bearing Set 1-2-3-4-5-6-7	TM-1	MS-2016P MB-3480P	.25mm	3.0681/3.0689	0.0012/0.0035	0.0984	3.2669/3.2677	1.0630
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-591S								
Thrust Washer Set		TW-591S MB-3480W	STD	3.5138		0.1161		
NOTE: Contains 4 Pieces, Position Number 7, Use With Part Number MS-2016P								
Cam Bearing Set 1 2 3 4	B-1	SH-1768S SH-1768 SH-1769 SH-1770 SH-1771	STD	2.2571/2.2579 2.4292/2.2500 2.2413/2.2421 2.2335/2.2342	0.0005/0.0040 0.0005/0.0040 0.0005/0.0040 0.0005/0.0040	0.0596 0.0596 0.0596 0.0596	2.3779/2.3791 2.3700/2.3712 2.3622/2.3633 2.3543/2.3555	1.1030 1.0200 1.0200 1.0200

OLIVER

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
3 CYL			4 CYL (Cont.)		
3-71 Detroit Diesel 213 CID (3.5L) Diesel Supercharged	4.250in./108mmX5.000in./127mm	1	Waukesha 121 CID (2.0L)	3.3125in./84.1mmX3.500in./88.9mm	5
			Waukesha 121 CID (2.0L) Kero	3.3125in./84.1mmX3.500in./88.9mm	5
			Waukesha 129 CID (2.1L)	3.3125in./84.1mmX3.750in./95.3mm	6
4 CYL			Waukesha 129 CID (2.1L) Diesel	3.3125in./84.1mmX3.750in./95.3mm	6
4-53 Detroit Diesel 212 CID (3.5L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	10	Waukesha 144 CID (2.4L)	3.500in./88.9mmX3.750in./95.3mm	6
4-53N Detroit Diesel 212 CID (3.5L) Diesel Supercharged	3.875in./98.4mmX4.500in./114.3mm	10	Waukesha 144 CID (2.4L) Diesel	3.500in./88.9mmX3.750in./95.3mm	6
155 Waukesha 155 CID (2.5L)	3.625in./92.1mmX3.750in./95.3mm	6	DD198 Hercules 198 CID (3.2L)	3.750in./95.3mmX4.500in./114.3mm	9
155 Waukesha 155 CID (2.5L) Diesel	3.625in./92.1mmX3.750in./95.3mm	6	F140 Continental 140 CID (2.3L)	3.188in./80.98mmX4.375in./111.1mm	7
180GA Waukesha 129 CID (2.1L) Diesel	3.313in./84.2mmX3.750in./95.3mm	6	F4162 Continental 162 CID (2.7L)	3.438in./87.33mmX4.375in./111.1mm	7
			G155 Waukesha 155 CID (2.5L)	3.625in./92.1mmX3.750in./95.3mm	8



OLIVER (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL (Cont.)			6 CYL (Cont.)		
VF4 Wisconsin 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	2	Waukesha 216 CID (3.5L)	3.500in./88.9mmX3.750in./95.3mm	11
VH4 Wisconsin 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm	3	Waukesha 216 CID (3.5L) Diesel	3.500in./88.9mmX3.750in./95.3mm	11
Y112 Continental 112 CID (1.8L)	3.187in./80.95mmX3.500in./88.9mm	4	Waukesha 216 CID (3.5L) Kero	3.500in./88.9mmX3.750in./95.3mm	11
6 CYL			Waukesha 231 CID (3.8L)	3.500in./88.9mmX4.000in./101.6mm	17
6-354 Perkins 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	25	Waukesha 231 CID (3.8L) Diesel	3.500in./88.9mmX4.000in./101.6mm	17
185DAB Waukesha 194 CID (3.2L)	3.313in./84.2mmX3.750in./95.3mm	11	Waukesha 232 CID (3.8L)	3.625in./92.1mmX3.750in./95.3mm	18
185DAC Waukesha 194 CID (3.2L) Diesel	3.313in./84.2mmX3.750in./95.3mm	11	Waukesha 232 CID (3.8L) LPG	3.625in./92.1mmX3.750in./95.3mm	18
185DLB Waukesha 194 CID (3.2L)	3.313in./84.2mmX3.750in./95.3mm	11	General Motors 478 CID (7.8L)	5.125in./130.2mmX3.859in./98mm	26
185GA Waukesha 194 CID (3.2L)	3.313in./84.2mmX3.750in./95.3mm	11	F209 Continental 209 CID (3.4L)	3.188in./80.98mmX4.375in./111.1mm	14
185GL Waukesha 216 CID (3.5L)	3.500in./88.9mmX3.750in./95.3mm	11	F226 Continental 226 CID (3.7L) Flex	3.313in./84.1mmX4.375in./111.1mm	15
185GS Waukesha 216 CID (3.5L)	3.500in./88.9mmX3.750in./95.3mm	11	F265G Waukesha 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	21
190DKB Waukesha 265 CID (4.3L) Diesel	3.750in./95.3mmX4.000in./101.6mm	21	F265G Waukesha 265 CID (4.3L) Kero	3.750in./95.3mmX4.000in./101.6mm	21
190DLB Waukesha 265 CID (4.3L) Diesel	3.750in./95.3mmX4.000in./101.6mm	21	F265G Waukesha 265 CID (4.3L) LPG	3.750in./95.3mmX4.000in./101.6mm	21
190DLC Waukesha 265 CID (4.3L) F Oil	3.750in./95.3mmX4.000in./101.6mm	21	F283G Waukesha 283 CID (4.6L)	3.875in./98.4mmX4.000in./101.6mm	23
190DSB Waukesha 265 CID (4.3L) Diesel	3.750in./95.3mmX4.000in./101.6mm	21	F283G Waukesha 283 CID (4.6L) LPG	3.875in./98.4mmX4.000in./101.6mm	23
190GL Waukesha 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	21	F310DB Waukesha 310 CID (5.1L) Diesel	3.875in./98.4mmX4.375in./111.1mm	23
190GLB Waukesha 265 CID (4.3L) Flex	3.750in./95.3mmX4.000in./101.6mm	21	F310DBA Waukesha 310 CID (5.1L) Diesel	3.875in./98.4mmX4.375in./111.1mm	23
190GLC Waukesha 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	21	F310DBLT Waukesha 310 CID (5.1L) Diesel Turbocharged	3.875in./98.4mmX4.375in./111.1mm	23
190GS Waukesha 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	21	F310DBT Waukesha 310 CID (5.1L) Diesel Turbocharged	3.875in./98.4mmX4.375in./111.1mm	23
190KL Waukesha 265 CID (4.3L) F Oil	3.750in./95.3mmX4.000in./101.6mm	21	FA226 Continental 226 CID (3.7L)	3.313in./84.1mmX4.375in./111.1mm	15
190KL Waukesha 265 CID (4.3L) Kero	3.750in./95.25mmX4.000in./101.6mm	22	FA244 Continental 244 CID (4.0L)	3.438in./87.33mmX4.375in./111.1mm	15
194 Waukesha 216 CID (3.5L)	3.500in./88.9mmX3.750in./95.3mm	11	I251 Chrysler 251 CID (4.1L)	3.438in./87.33mmX4.500in./114.3mm	19
194 Waukesha 216 CID (3.5L) Diesel	3.500in./88.9mmX3.750in./95.3mm	11	I265 Chrysler 265 CID (4.3L)	3.438in./87.33mmX4.750in./120.7mm	19
195DLC Waukesha 302 CID (5.0L) Diesel	4.000in./101.6mmX4.000in./101.6mm	24	JXA Hercules 228 CID (3.7L)	3.375in./85.7mmX4.250in./108mm	16
195GL Waukesha 302 CID (5.0L)	4.000in./101.6mmX4.000in./101.6mm	21	JXD Hercules 320 CID (5.2L)	4.000in./101.6mmX4.250in./108mm	16
1650 265 CID (4.3L) Flex	3.750in./95.3mmX4.000in./101.6mm	20	JXLD Hercules 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	16
1655 265 CID (4.3L) Flex	3.750in./95.3mmX4.000in./101.6mm	20	QXB Hercules 205 CID (3.4L)	3.250in./82.6mmX4.250in./108mm	13
1750 283 CID (4.6L)	3.875in./98.4mmX4.000in./101.6mm	23	VRD283 Waukesha 283 CID (4.6L) Diesel	3.875in./98.4mmX4.000in./101.6mm	23
1800 283 CID (4.6L) Diesel	3.875in./98.4mmX4.000in./101.6mm	23	VRD310 Waukesha 310 CID (5.1L) Diesel	3.875in./98.4mmX4.375in./111.1mm	23
1800 265 CID (4.3L) Flex	3.750in./95.3mmX4.000in./101.6mm	20	VRG265 Waukesha 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	22
Waukesha 194 CID (3.2L)	3.313in./84.2mmX3.750in./95.3mm	11	VRG265 Waukesha 265 CID (4.3L) LPG	3.750in./95.3mmX4.000in./101.6mm	22
Waukesha 194 CID (3.2L) Diesel	3.313in./84.2mmX3.750in./95.3mm	11	VRG283 Waukesha 283 CID (4.6L)	3.875in./98.4mmX4.000in./101.6mm	23
Continental 202 CID (3.3L)	3.125in./79.4mmX4.375in./111.1mm	12	VRG283 Waukesha 283 CID (4.6L) LPG	3.875in./98.4mmX4.000in./101.6mm	23
Continental 202 CID (3.3L) Kero	3.125in./79.4mmX4.375in./111.1mm	12			

MODEL DATA

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
2-44 Base Model	Loader	155 CID (2.5L) 155 Waukesha	6	15 Base Model	Combine	112 CID (1.8L) Y112 Continental	4
2-70 Base Model	Wheel Tractor	265 CID (4.3L) VRG265 Waukesha	22	18 Base Model	Combine	108 CID (1.8L) VH4 Wisconsin	3
2-70 Base Model	Wheel Tractor	283 CID (4.6L) VRD283 Waukesha Diesel	23	20 Base Model	Combine	112 CID (1.8L) Y112 Continental	4
2-78 Base Model	Wheel Tractor	265 CID (4.3L) VRG265 Waukesha	22	20 Base Model	Combine	228 CID (3.7L) JXA Hercules	16
2-78 Base Model	Wheel Tractor	283 CID (4.6L) VRD283 Waukesha Diesel	23	22 Base Model	Combine	112 CID (1.8L) Y112 Continental	4
2-85 Base Model	Wheel Tractor	354 CID (5.8L) 6-354 Perkins Diesel	25	25 Base Model	Combine	226 CID (3.7L) FA226 Continental	15
2-105 Base Model	Wheel Tractor	354 CID (5.8L) 6-354 Perkins Diesel	25	30 Base Model	Combine	205 CID (3.4L) QXB Hercules	13
4-78 Base Model	Wheel Tractor	265 CID (4.3L) VRG265 Waukesha	22	30 Base Model	Combine	209 CID (3.4L) F209 Continental	14
4-78 Base Model	Wheel Tractor	283 CID (4.6L) VRD283 Waukesha Diesel	23	30 Base Model	Combine	226 CID (3.7L) F226 Continental	15
4-105 Base Model	Wheel Tractor	354 CID (5.8L) 6-354 Perkins Diesel	25	33 Base Model	Combine	209 CID (3.4L) F209 Continental	14
10 Base Model	Combine	162 CID (2.7L) F4162 Continental	7	33 Base Model	Combine	226 CID (3.7L) F226 Continental	15
12 Base Model	Combine	162 CID (2.7L) F4162 Continental	7	35 Base Model	Combine	226 CID (3.7L) F226 Continental	15



OLIVER (Cont.)
MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
35 Base Model	Combine	244 CID (4.0L) FA244 Continental	15	535 Base Model	Combine	265 CID (4.3L) I265 Chrysler	19
40 Base Model	Combine	226 CID (3.7L) F226 Continental	15	535 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	25
40 Base Model	Combine	244 CID (4.0L) FA244 Continental	15	542 Base Model	Combine	265 CID (4.3L) I265 Chrysler	19
56 Super	Wheel Tractor	144 CID (2.4L) Waukesha Diesel	6	542 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	25
60HC Base Model	Wheel Tractor	121 CID (2.0L) Waukesha	5	545 Base Model	Combine	265 CID (4.3L) I265 Chrysler	19
60KD Base Model	Wheel Tractor	121 CID (2.0L) Waukesha	5	545 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	25
66 Base Model	Wheel Tractor	129 CID (2.1L) Waukesha	6	550 Base Model	Wheel Tractor	144 CID (2.4L) Waukesha Diesel	6
66 Super	Wheel Tractor	144 CID (2.4L) Waukesha	6	550 Base Model	Wheel Tractor	155 CID (2.5L) 155 Waukesha Diesel	6
66D Base Model	Wheel Tractor	129 CID (2.1L) Waukesha Diesel	6	588 Base Model	Loader	155 CID (2.5L) 155 Waukesha	6
66D Super	Wheel Tractor	144 CID (2.4L) Waukesha Diesel	6	613 Base Model	Backhoe	155 CID (2.5L) 155 Waukesha	6
66HC Base Model	Wheel Tractor	129 CID (2.1L) Waukesha	6	650 Base Model	Wheel Tractor	155 CID (2.5L) 155 Waukesha Diesel	6
66HC Super	Wheel Tractor	144 CID (2.4L) Waukesha	6	660 Base Model	Wheel Tractor	129 CID (2.1L) 180GA Waukesha Diesel	6
66KD Base Model	Wheel Tractor	216 CID (3.5L) Waukesha	11	660 Base Model	Wheel Tractor	155 CID (2.5L) G155 Waukesha	8
70 Base Model	Wheel Tractor	209 CID (3.4L) F209 Continental	14	770 Base Model	Wheel Tractor	194 CID (3.2L) 185DAC Waukesha Diesel	11
70HC Base Model	Wheel Tractor	202 CID (3.3L) Continental	12	770 Base Model	Wheel Tractor	216 CID (3.5L) Waukesha Diesel	11
70KD Base Model	Wheel Tractor	202 CID (3.3L) Continental	12	880 Base Model	Wheel Tractor	265 CID (4.3L) F265G Waukesha	21
77D Base Model	Wheel Tractor	194 CID (3.2L) 185GA Waukesha	11	950 Base Model	Wheel Tractor	302 CID (5.0L) 195DLC Waukesha Diesel	24
77HC Base Model	Wheel Tractor	194 CID (3.2L) Waukesha Diesel	11	990GM Base Model	Wheel Tractor	213 CID (3.5L) 3-71 Detroit Diesel Diesel	1
77HC Base Model	Wheel Tractor	216 CID (3.5L) 194 Waukesha Diesel	11	995GM Base Model	Wheel Tractor	213 CID (3.5L) 3-71 Detroit Diesel Diesel	1
77KD Base Model	Wheel Tractor	216 CID (3.5L) Waukesha	11	1550 Base Model	Wheel Tractor	232 CID (3.8L) Waukesha	18
88 Base Model	Wheel Tractor	216 CID (3.5L) Waukesha Diesel	11	1600 Base Model	Wheel Tractor	265 CID (4.3L) F265G Waukesha	21
88 D	Wheel Tractor	231 CID (3.8L) Waukesha Diesel	17	1650 Base Model	Wheel Tractor	265 CID (4.3L) VRG265 Waukesha	22
88 Super	Wheel Tractor	265 CID (4.3L) F265G Waukesha	21	1650 Base Model	Wheel Tractor	283 CID (4.6L) VRD283 Waukesha Diesel	23
99 Super	Wheel Tractor	213 CID (3.5L) 3-71 Detroit Diesel Diesel	1	1655 Base Model	Wheel Tractor	265 CID (4.3L) VRG265 Waukesha	22
99 Base Model	Wheel Tractor	302 CID (5.0L) 195DLC Waukesha Diesel	24	1655 Base Model	Wheel Tractor	283 CID (4.6L) VRD283 Waukesha Diesel	23
166D Super	Industrial	144 CID (2.4L) Waukesha Diesel	6	1750 Base Model	Wheel Tractor	283 CID (4.6L) VRG283 Waukesha	23
166D Super	Industrial	194 CID (3.2L) 185DLB Waukesha	11	1750 Base Model	Wheel Tractor	310 CID (5.1L) F310DBA Waukesha Diesel	23
166HC Base Model	Industrial	194 CID (3.2L) 185GA Waukesha	11	1755 Base Model	Wheel Tractor	283 CID (4.6L) VRG283 Waukesha	23
166HC Base Model	Industrial	216 CID (3.5L) 185GL Waukesha	11	1755 Base Model	Wheel Tractor	310 CID (5.1L) VRD310 Waukesha Diesel	23
177 HC	Industrial	194 CID (3.2L) 185GA Waukesha	11	1800 Base Model	Wheel Tractor	265 CID (4.3L) F265G Waukesha	21
177 HC	Industrial	216 CID (3.5L) 185GS Waukesha	11	1800 Base Model	Wheel Tractor	283 CID (4.6L) VRG283 Waukesha	23
188 Base Model	Wheel Tractor	216 CID (3.5L) Waukesha Diesel	11	1800 Base Model	Wheel Tractor	310 CID (5.1L) VRD310 Waukesha Diesel	23
188 HC	Industrial	265 CID (4.3L) VRG265 Waukesha	22	1855 Base Model	Wheel Tractor	310 CID (5.1L) VRD310 Waukesha Diesel	23
199 D	Industrial	265 CID (4.3L) 190DLC Waukesha	21	1900 Base Model	Wheel Tractor	212 CID (3.5L) 4-53N Detroit Diesel Diesel	10
199 HC	Industrial	302 CID (5.0L) 195GL Waukesha	21	1950 Base Model	Wheel Tractor	212 CID (3.5L) 4-53N Detroit Diesel Diesel	10
430 Base Model	Combine	265 CID (4.3L) I265 Chrysler	19				
431 Base Model	Combine	265 CID (4.3L) I265 Chrysler	19				
440 Super Base Model	Wheel Tractor	140 CID (2.3L) F140 Continental	7				
525 Base Model	Combine	251 CID (4.1L) I251 Chrysler	19				



OLIVER (Cont.)

MODEL DATA (Cont.)

Model	Model Type	Engine	Block	Model	Model Type	Engine	Block
1950 Base Model	Wheel Tractor	310 CID (5.1L) F310DBT Waukesha Diesel	23	BG S	Crawler	320 CID (5.2L) JXD Hercules	16
1955 Base Model	Wheel Tractor	310 CID (5.1L) VRD310 Waukesha Diesel	23	G550 Base Model	Wheel Tractor	129 CID (2.1L) 180GA Waukesha Diesel	6
5542 Base Model	Combine	265 CID (4.3L) I265 Chrysler	19	G550 Base Model	Wheel Tractor	155 CID (2.5L) G155 Waukesha	8
5542 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	25	G750 Base Model	Wheel Tractor	265 CID (4.3L) 1655 Waukesha	20
7300 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	25	Mighty Lift 2-44-FL	Fork Lift	155 CID (2.5L) 155 Waukesha	6
7600 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	25	OC 6HC	Crawler	194 CID (3.2L) 185GA Waukesha	11
7800 Base Model	Combine	354 CID (5.8L) 6-354 Perkins Diesel	25	OC 9	Crawler	198 CID (3.2L) DD198 Hercules	9
Base Model	Wheel Tractor	202 CID (3.3L) Continental	12	OC 12	Crawler	339 CID (5.6L) JXLD Hercules	16
Base Model	Wheel Tractor	478 CID (7.8L) General Motors	26	Super 55 HC	Wheel Tractor	129 CID (2.1L) 180GA Waukesha Diesel	6
Base Model	Engine	194 CID (3.2L) 185DAB Waukesha	11	Super 55 D	Wheel Tractor	144 CID (2.4L) Waukesha Diesel	6
Base Model	Engine	265 CID (4.3L) 190KL Waukesha	22	Super 77D Base Model	Wheel Tractor	216 CID (3.5L) Waukesha Diesel	11
AG 20	Crawler	226 CID (3.7L) F226 Continental	15	Super 77HC Base Model	Wheel Tractor	216 CID (3.5L) Waukesha	11

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
40090C	4.250in./108mm	16	180007-C	3.750in./95.3mm	6	5121248	4.500in./114.3mm	10	F400D-502	4.375in./111.1mm	7
40090C	4.500in./114.3mm	16	182111	3.750in./95.3mm	6	5144469	5.000in./127mm	1	F400D-502	4.375in./111.1mm	14
40390C	4.250in./108mm	16	187111	3.750in./95.3mm	6	5150093	5.000in./127mm	1	F600D-310	4.375in./111.1mm	15
40390C	4.500in./114.3mm	16	190107	4.000in./101.6mm	21	5154265	5.000in./127mm	1	F600D-402	4.375in./111.1mm	15
43102C	4.250in./108mm	16	190107	4.000in./101.6mm	22	31337180JGSB	5.000in./127mm	25	F600D-405	4.375in./111.1mm	15
43102C	4.500in./114.3mm	16	190307	4.000in./101.6mm	21	31337310	5.000in./127mm	25	F600D-500	4.375in./111.1mm	14
44119C	4.500in./114.3mm	16	220207	3.750in./95.3mm	8	D600D-500	4.375in./111.1mm	14	F600D-502	4.375in./111.1mm	14
59554	5.000in./127mm	25	288090D	4.500in./114.3mm	9	F218D-3020	4.375in./111.1mm	7	Y400D-400	3.500in./88.9mm	4
180000-C	3.750in./95.3mm	11	2448949	3.859in./98mm	26	F218D-3022	4.375in./111.1mm	14	Y400D-401	3.500in./88.9mm	4
180007	3.750in./95.3mm	6	2474281	3.859in./98mm	26	F218D-3032	4.375in./111.1mm	14	Y400D-402	3.500in./88.9mm	4
180007-B	3.750in./95.3mm	11	2484084	3.859in./98mm	26	F400D-500	4.375in./111.1mm	7	Y400D-403	3.500in./88.9mm	4

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3-71	5.000in./127mm	1	46024E	4.250in./108mm	16	195111	4.000in./101.6mm	21	8877367	3.859in./98mm	26
400C-209	4.375in./111.1mm	7	46839E	4.250in./108mm	13	195311	4.000in./101.6mm	21	31322302	5.000in./127mm	25
400C-213	3.500in./88.9mm	4	49525B	4.250in./108mm	13	195311	4.000in./101.6mm	24	B600C-601	4.375in./111.1mm	14
400C-226	3.500in./88.9mm	4	49528E	4.250in./108mm	13	209229	4.375in./111.1mm	14	C-5145	4.250in./108mm	16
400C-500	4.375in./111.1mm	7	50024E	4.250in./108mm	16	220426C	4.500in./114.3mm	16	CA-55	3.250in./82.6mm	2
40091E	4.250in./108mm	16	140025D	4.250in./108mm	16	220825E	4.250in./108mm	13	D186C-300	4.375in./111.1mm	14
40094D	4.250in./108mm	16	140025D	4.500in./114.3mm	16	250026F	4.500in./114.3mm	9	D600C-218	4.375in./111.1mm	14
40094E	4.250in./108mm	16	140026D	4.250in./108mm	16	256025E	4.500in./114.3mm	9	D600C-368	4.375in./111.1mm	14
40950E	4.250in./108mm	16	155025E	4.250in./108mm	16	256026E	4.500in./114.3mm	9	D600C-601	4.375in./111.1mm	14
40991E	4.250in./108mm	16	181211	3.750in./95.3mm	6	285360F	4.500in./114.3mm	9	D600C-602	4.375in./111.1mm	14
42947E	4.500in./114.3mm	16	181411	3.750in./95.3mm	6	672016	3.859in./98mm	26	D600C-603	4.375in./111.1mm	14
42974E	4.500in./114.3mm	16	181411-A	3.750in./95.3mm	6	732596	4.375in./111.1mm	14	F140C-303	4.375in./111.1mm	7
42979E	4.250in./108mm	16	182111	3.750in./95.3mm	6	733536	4.375in./111.1mm	14	F162C-319	4.375in./111.1mm	7
43526D	4.500in./114.3mm	16	185111	3.750in./95.3mm	11	733863	4.375in./111.1mm	14	F186C-300	4.375in./111.1mm	14
43526E	4.250in./108mm	16	186211	3.750in./95.3mm	11	734452	4.375in./111.1mm	14	F400C-209	4.375in./111.1mm	7
43528B	4.500in./114.3mm	16	186211-A	3.750in./95.3mm	11	734542	4.375in./111.1mm	14	F400C-209	4.375in./111.1mm	14
43528E	4.500in./114.3mm	16	186311	3.750in./95.3mm	11	928928	4.375in./111.1mm	14	F400C-222	4.375in./111.1mm	7
43531E	4.250in./108mm	16	187111	3.750in./95.3mm	6	2419583	3.859in./98mm	26	F400C-228	4.375in./111.1mm	7
43532	4.250in./108mm	16	190111	4.000in./101.6mm	21	3132302	5.000in./127mm	25	F400C-314	4.375in./111.1mm	7
44025E	4.250in./108mm	16	190111	4.000in./101.6mm	22	5103318	4.500in./114.3mm	10	F400C-321	4.375in./111.1mm	7
45853D	4.250in./108mm	16	190211	4.000in./101.6mm	21	5116022	4.500in./114.3mm	10	F400C-324	4.375in./111.1mm	7
45853E	4.250in./108mm	16	190211	4.000in./101.6mm	22	5116029	4.500in./114.3mm	10	F400C-359	4.375in./111.1mm	7
45855E	4.250in./108mm	16	191211	4.000in./101.6mm	21	5154926	5.000in./127mm	1	F400C-368	4.375in./111.1mm	7
45857E	4.250in./108mm	16	191211	4.000in./101.6mm	22	5154929	5.000in./127mm	1	F400C-500	4.375in./111.1mm	7
45859B	4.250in./108mm	16	191311	4.000in./101.6mm	21	5181377	4.500in./114.3mm	10	F400C-501	4.375in./111.1mm	7
45859D	4.250in./108mm	16	191311	4.000in./101.6mm	22	5184214	5.000in./127mm	1	F400C-503	4.375in./111.1mm	7
45859E	4.250in./108mm	16	192211B	4.000in./101.6mm	21	5773990	5.000in./127mm	1	F600C-217	4.375in./111.1mm	15
45868G	4.250in./108mm	16	192211B	4.000in./101.6mm	24	7325596	4.375in./111.1mm	14	F600C-344	4.375in./111.1mm	15



OLIVER (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
F600C-368	4.375in./111.1mm	15	F600C-506A	4.375in./111.1mm	15	Y112C-300	3.500in./88.9mm	4	Y400C-508	3.500in./88.9mm	4
F600C-500A	4.375in./111.1mm	15	F600C-536	4.375in./111.1mm	15	Y400C-213	3.500in./88.9mm	4	Y400C-511	3.500in./88.9mm	4
F600C-502	4.375in./111.1mm	15	F600C-601	4.375in./111.1mm	15	Y400C-216	3.500in./88.9mm	4			
F600C-502A	4.375in./111.1mm	15	F600C-606A	4.375in./111.1mm	15	Y400C-225	3.500in./88.9mm	4			
F600C-504	4.375in./111.1mm	15	F600C-606C	4.375in./111.1mm	15	Y400C-226	3.500in./88.9mm	4			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

3 CYL

1	213 CID (3.5L) 3-71 Detroit Diesel Supercharged Diesel 3 Cyl					4.250in./108mm x 5.000in./127mm			1

Rod Bearing(3)	TM-112	CB-1596P	STD,10,20,30,40	2.7490/2.7500	0.0019/0.0049	0.1553	3.0620/3.0630	1.8800

Main Bearing(4)	TM-112	MB-1276P	STD,10,20,30,40	3.4990/3.5000	0.0017/0.0047	0.1553	3.8120/3.8130	1.1930

Thrust Washer Set		TW-411S MB-2524W	STD	3.8430/3.8435			4.6250/4.6350	0.1220

NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MB-1276P (4)

Cam Bearing Set	C-1	SH-476RS SH-476R	STD,20	1.4970/1.4975	0.0025/0.0040	0.1020	1.6850/1.6860	1.0720

NOTE: From Engine Serial Number 3A-27384, Contains 8 Bushings,Housing Requires 2 Bushings Each,Requires Boring The Bushing On The I.D., And Must Be Finished To Proper Size After Installing In Housing

Cam Bearing(2)	AL-1	SH-468	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230

NOTE: Contains Steel Bushing In Center Hole

Cam Bearing(2)	AL-1	SH-525	STD	1.4980/1.4985	0.0025/0.0050	0.3430	2.1875/2.1885	1.3230

NOTE: Steel Bushing In Center Hole Not Included

Cam Thrust Washer Set		SH-477WS SH-477W	STD	1.6910			2.1563	0.1220

NOTE: From Engine Serial Number 3A-27384, Contains 4 Pieces

Piston Pin Bushing(6)	C-1	223-3462	STD			0.1330	1.7560/1.7595	0.8175

NOTE: Trunk Style Piston, 2 Per Rod,Requires Boring

Piston Pin Bushing(3)		223-3548	STD			0.0880		3.2350

NOTE: Crosshead Piston, 1 Per Rod

Rod Forging	5144469, 5150093, 5154265
C/S Forging	3-71, 5154926, 5154929, 5184214, 5773990

Connecting Rod	60 To 70 Lbs.Ft.
Main Bearing	120 To 140 Lbs.Ft. (Nuts)
Main Bearing	180 To 190 Lbs.Ft. (Bolts)

4 CYL

2	108 CID (1.8L) VF4 Wisconsin V4 Cyl					3.250in./82.6mm x 3.250in./82.6mm			2

Rod Bearing(4)	B-2	CB-983M	STD,10	1.7500/1.7510	0.0014/0.0035	0.0613	1.8745/1.8750	0.8640

Piston Pin Bushing(4)	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100

NOTE: Requires Light Reaming

C/S Forging	CA-55

Connecting Rod	24 Lbs.Ft.

3	108 CID (1.8L) VH4 Wisconsin V4 Cyl					3.250in./82.6mm x 3.250in./82.6mm			3

Rod Bearing(4)	B-2	CB-979M	STD,10,20	1.8750/1.8760	0.0014/0.0035	0.0613	1.9995/2.0000	0.8640

Piston Pin Bushing(4)	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100

NOTE: Requires Light Reaming

Connecting Rod	24 Lbs.Ft.
Main Bearing	30 Lbs.Ft.

4	112 CID (1.8L) Y112 Continental 4 Cyl					3.187in./80.95mm x 3.500in./88.9mm			4

Rod Bearing(2)	TM-112	CB-278P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050

NOTE: Positions 1 And 3

Rod Bearing(2)	TM-112	CB-279P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050

NOTE: Positions 2 And 4



OLIVER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
4 (Cont.)	112 CID (1.8L) Y112 Continental 4 Cyl			3.187in./80.95mm x 3.500in./88.9mm				4 (Cont.)
Thrust Washer Set		TW-143S MB-1653W	STD	1.7812			2.6250	0.0950
NOTE: Contains 1 Piece, Position Number 1								
Cam Bearing Set	AL-3	SH-191S	STD					
1		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3503	STD			0.0320	0.7622/0.7632	1.0630
NOTE: Requires Light Reaming								
Rod Forging	Y400D-400, Y400D-401, Y400D-402, Y400D-403							
C/S Forging	400C-213, 400C-226, Y112C-300, Y400C-213, Y400C-216, Y400C-225, Y400C-226, Y400C-508, Y400C-511							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
5	121 CID (2.0L) Waukesha 4 Cyl			3.3125in./84.1mm x 3.500in./88.9mm				5
	121 CID (2.0L) Waukesha Kero 4 Cyl			3.3125in./84.1mm x 3.500in./88.9mm				
Rod Bearing(4)	TM-112	CB-446P	STD,10,20	1.9990/2.0000	0.0005/0.0030	0.0617	2.1235/2.1240	1.1190
Cam Bearing Set	B-1	SH-330S	STD					
1		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
6	129 CID (2.1L) 180GA Waukesha Diesel 4 Cyl			3.313in./84.2mm x 3.750in./95.3mm				6
	129 CID (2.1L) Waukesha 4 Cyl			3.3125in./84.1mm x 3.750in./95.3mm				
	129 CID (2.1L) Waukesha Diesel 4 Cyl			3.3125in./84.1mm x 3.750in./95.3mm				
	144 CID (2.4L) Waukesha 4 Cyl			3.500in./88.9mm x 3.750in./95.3mm				
	144 CID (2.4L) Waukesha Diesel 4 Cyl			3.500in./88.9mm x 3.750in./95.3mm				
	155 CID (2.5L) 155 Waukesha 4 Cyl			3.625in./92.1mm x 3.750in./95.3mm				
	155 CID (2.5L) 155 Waukesha Diesel 4 Cyl			3.625in./92.1mm x 3.750in./95.3mm				
Rod Bearing(4)	TM-112	CB-446P	STD,10,20	1.9990/2.0000	0.0005/0.0030	0.0617	2.1235/2.1240	1.1190
NOTE: Engines With 2.000" Crankpins,Thru Serial Number 6502								
Rod Bearing(4)	TM-112	CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560
NOTE: Engines With 2.250" Crankpins								
Main Bearing Set	TM-112	MS-405P	STD,10,20,30					
1-3		MB-1629P		2.2490/2.2500	0.0002/0.0032	0.0854	2.4210/2.4220	1.3800
2		MB-1786P(F)		2.2490/2.2500	0.0002/0.0032	0.0854	2.4210/2.4220	1.6230
Cam Bearing Set	B-1	SH-330S	STD					
1		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
Piston Pin Bushing(8)	C-1	223-3514	STD			0.0450	1.3125/1.3130	0.5570
NOTE: 2 Per Rod,Requires Boring								
Rod Forging	180007, 182111, 187111, 180007-C							
C/S Forging	181211, 181411, 182111, 187111, 181411-A							
Connecting Rod	46 To 50 Lbs.Ft.							
Main Bearing	87 To 92 Lbs.Ft.							
7	140 CID (2.3L) F140 Continental 4 Cyl			3.188in./80.98mm x 4.375in./111.1mm				7
	162 CID (2.7L) F4162 Continental 4 Cyl			3.438in./87.33mm x 4.375in./111.1mm				
Rod Bearing(2)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 2 And 4								
Rod Bearing(2)	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 1 And 3								
Main Bearing Set	TM-77	MS-176P-10	20					
1		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
2		MB-1406P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.6300
3		MB-1405P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set(2)		TW-424S MB-1403W	STD	2.2812			3.0625	0.0960
NOTE: Contains 1 Piece, Position Number 1, Use With Part Number MS-176P-10								



OLIVER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
7	140 CID (2.3L) F140 Continental 4 Cyl				3.188in./80.98mm x 4.375in./111.1mm			7
(Cont.)	162 CID (2.7L) F4162 Continental 4 Cyl				3.438in./87.33mm x 4.375in./111.1mm			(Cont.)
Cam Bearing Set	AL-3	SH-56S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	F400D-500, F400D-502, F218D-3020							
C/S Forging	400C-209, 400C-500, F140C-303, F162C-319, F400C-209, F400C-222, F400C-228, F400C-314, F400C-321, F400C-324, F400C-359, F400C-368, F400C-500, F400C-501, F400C-503							
Connecting Rod	20 To 25 Lbs.Ft.							
Main Bearing	35 To 40 Lbs.Ft.							
8	155 CID (2.5L) G155 Waukesha 4 Cyl				3.625in./92.1mm x 3.750in./95.3mm			8
Rod Bearing(4)	TM-112	CB-446P	STD,10,20	1.9990/2.0000	0.0005/0.0030	0.0617	2.1235/2.1240	1.1190
NOTE: Engines With 2.000" Crankpins								
Rod Bearing(4)	TM-112	CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560
NOTE: Engines With 2.250" Crankpins								
Rod Bearing(4)	TM-112	CB-1239P	STD,10,20,30,40	1.7490/1.7500	0.0010/0.0035	0.0525	1.8555/1.8560	1.0200
NOTE: Engines With 1.750" Crankpins								
Main Bearing Set	TM-112	MS-1423P	STD,10,20,30					
1-3		MB-2610P		2.2490/2.2500	0.0005/0.0035	0.0854	2.4210/2.4220	1.3800
2		MB-1786P(F)		2.2490/2.2500	0.0002/0.0032	0.0854	2.4210/2.4220	1.6230
Main Bearing Set		MS-1698P-20	30					
1-3		MB-2610P		2.2490/2.2500	0.0005/0.0035	0.0854	2.4210/2.4220	1.3800
2		MB-3096P(F)		2.2490/2.2500	0.0005/0.0035	0.0854	2.4210/2.4220	1.6430
NOTE: Contains .020" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-330S	STD					
1		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
Piston Pin Bushing(8)	C-1	223-3514	STD			0.0450	1.3125/1.3130	0.5570
NOTE: 2 Per Rod,Requires Boring								
Rod Forging	220207							
9	198 CID (3.2L) DD198 Hercules 4 Cyl				3.750in./95.3mm x 4.500in./114.3mm			9
Rod Bearing(4)	TM-112	CB-340P	STD,10,20,30,40	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640
NOTE: Engines with 2.00" Crankpins and 2.500" Main Journals, Contains 2 Shims								
Rod Bearing(4)	TM-112	CB-704P	STD,10,20,30	2.3730/2.3740	0.0013/0.0043	0.0756	2.5260/2.5270	1.1640
NOTE: Engines with 2.375" Crankpins and 2.875" Main Journals								
Main Bearing Set	TM-112	MS-1681P	STD,10					
1-2-4-5		MB-2185P		2.8734/2.8744	0.0012/0.0037	0.0956	3.0665/3.0670	1.0360
3		MB-2092P(F)		2.8734/2.8744	0.0018/0.0043	0.0953	3.0665/3.0670	2.1190
NOTE: Engines with 2.875" Main Journals, Upper And Lower Bearing Halves Have Locating Lug In The Same Position								
Cam Bearing Set	B-1	SH-562S	STD					
1-4		SH-561		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	1.0720
2-3		SH-198		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230
Rod Forging	288090D							
C/S Forging	250026F, 256025E, 256026E, 285360F							
Connecting Rod	56 Lbs.Ft.							
Main Bearing	70 To 80 Lbs.Ft.							
10	212 CID (3.5L) 4-53,4-53N Detroit Diesel Supercharged Diesel 4 Cyl				3.875in./98.4mm x 4.500in./114.3mm			10
Rod Bearing(4)	TM-112	CB-1265P	STD,10,20,30,40	2.4990/2.5000	0.0020/0.0050	0.1250	2.7515/2.7525	1.3200
Main Bearing Set	TM-112	MS-502P	STD,10,20,30					
1-2-3-4-5		MB-1897P		2.9990/3.0000	0.0013/0.0043	0.1250	3.2510/3.2520	1.1850
5		MB-2522W		3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 5 Position								



OLIVER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
10 (Cont.)	212 CID (3.5L) 4-53,4-53N Detroit Diesel Supercharged Diesel 4 Cyl				3.875in./98.4mm x 4.500in./114.3mm			10 (Cont.)
Thrust Washer Set		TW-412S MB-2522W	STD	3.3380/3.3480			4.2700/4.2800	0.1220
NOTE: Contains 4 Pieces, Position Number 5, Use With Part Number MS-502P								
Cam Bearing Set	C-1	SH-700S	STD					
1-5		SH-686		2.1820/2.1825	0.0039/0.0065	0.0943	2.3750/2.3760	1.5100
2-4		SH-687		2.1820/2.1825	0.0040/0.0065	0.0893	2.3650/2.3660	1.5100
3		SH-688		2.1820/2.1825	0.0039/0.0065	0.0843	2.3550/2.3560	1.5100
NOTE: Contains Camshaft And Balance Shaft Bearings								
Piston Pin Bushing(4)	C-1	223-3622	STD			0.1225	1.6005/1.6010	0.7550
NOTE: Requires Boring								
Rod Forging	5121248							
C/S Forging	5103318, 5116022, 5116029, 5181377							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	120 To 130 Lbs.Ft.							
6 CYL								
11	194 CID (3.2L) 185DAC, Waukesha Diesel 6 Cyl 194 CID (3.2L) ,185DAB,185DLB,185GA Waukesha 6 Cyl 216 CID (3.5L) 194, Waukesha Diesel 6 Cyl 216 CID (3.5L) ,185GL,185GS,194 Waukesha 6 Cyl 216 CID (3.5L) Waukesha Kero 6 Cyl				3.313in./84.2mm x 3.750in./95.3mm 3.313in./84.2mm x 3.750in./95.3mm 3.500in./88.9mm x 3.750in./95.3mm 3.500in./88.9mm x 3.750in./95.3mm 3.500in./88.9mm x 3.750in./95.3mm			11
Rod Bearing(6)	TM-112	CB-446P	STD,10,20	1.9990/2.0000	0.0005/0.0030	0.0617	2.1235/2.1240	1.1190
NOTE: Engines With 2.000" Crankpins,Thru Serial Number 6502								
Rod Bearing(6)	TM-112	CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560
NOTE: Engines With 2.250" Crankpins								
Main Bearing Set	TM-112	MS-406P	STD,10,20,30					
1-2-4		MB-1629P		2.2490/2.2500	0.0002/0.0032	0.0854	2.4210/2.4220	1.3800
3		MB-1786P(F)		2.2490/2.2500	0.0002/0.0032	0.0854	2.4210/2.4220	1.6230
Cam Bearing Set	B-1	SH-330S	STD					
1		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
Piston Pin Bushing(12)	C-1	223-3514	STD			0.0450	1.3125/1.3130	0.5570
NOTE: 2 Per Rod,Requires Boring								
Rod Forging	180000-C, 180007-B							
C/S Forging	185111, 186211, 186311, 186211-A							
Connecting Rod	44 To 45 Lbs.Ft. (Lubricated Bolts)							
Connecting Rod	46 To 50 Lbs.Ft. (Dry Bolts)							
Main Bearing	87 To 92 Lbs.Ft.							
12	202 CID (3.3L) Continental 6 Cyl 202 CID (3.3L) Continental Kero 6 Cyl				3.125in./79.4mm x 4.375in./111.1mm 3.125in./79.4mm x 4.375in./111.1mm			12
Rod Bearing(3)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 2,4, And 6								
Rod Bearing(3)		CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 1,3, And 5								
Main Bearing Set	TM-77	MS-194P-10	20,30					
1		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
2-3		MB-1404P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.3170
4		MB-1405P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set(2)		TW-424S MB-1403W	STD	2.2812			3.0625	0.0960
NOTE: Contains 1 Piece, Position Number 1								
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660



OLIVER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
12 (Cont.)	202 CID (3.3L) Continental 6 Cyl			3.125in./79.4mm x 4.375in./111.1mm				12 (Cont.)
	202 CID (3.3L) Continental Kero 6 Cyl			3.125in./79.4mm x 4.375in./111.1mm				
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
13	205 CID (3.4L) QXB Hercules 6 Cyl			3.250in./82.6mm x 4.250in./108mm				13
Rod Bearing(6)	TM-112	CB-341P	STD,10,20	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.0280
Cam Bearing Set 1-4	B-1	SH-322S	STD	1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	1.0340
2-3		SH-322		1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	1.0340
		SH-323						0.5650
C/S Forging 46839E, 49525B, 49528E, 220825E								
Connecting Rod 53 To 56 Lbs.Ft.								
14	209 CID (3.4L) F209 Continental 6 Cyl			3.188in./80.98mm x 4.375in./111.1mm				14
Rod Bearing(3)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 2,4, And 6								
Rod Bearing(3)	TM-112	CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 1,3, And 5								
Main Bearing Set 1	TM-77	MS-194P-10	20,30	2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
2-3		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.3170
4		MB-1404P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Timing Gear Must Be Removed When Replacing Single Flanged Front Bearings, Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set(2)		TW-424S	STD	2.2812			3.0625	0.0960
NOTE: Contains 1 Piece, Position Number 1								
Cam Bearing Set 1	AL-3	SH-190S	STD	1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-1211		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-191		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-56		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
		SH-57						
Rod Forging D600D-500, F400D-502, F600D-500, F600D-502, F218D-3022, F218D-3032								
C/S Forging 209229, 732596, 733536, 733863, 734452, 734542, 928928, 7325596, B600C-601, D186C-300, D600C-218, D600C-368, D600C-601, D600C-602, D600C-603, F186C-300, F400C-209								
Connecting Rod 40 To 45 Lbs.Ft.								
Main Bearing 100 To 110 Lbs.Ft.								
15	226 CID (3.7L) F226 Continental Flex 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				15
	226 CID (3.7L) FA226 Continental 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				
	244 CID (4.0L) FA244 Continental 6 Cyl			3.438in./87.33mm x 4.375in./111.1mm				
Rod Bearing(6)	TM-112	CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)	TM-112	CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Cam Bearing Set 1	AL-3	SH-190S	STD	1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-1211		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-191		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-56		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
		SH-57						
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								



OLIVER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
15 (Cont.)	226 CID (3.7L) F226 Continental Flex 6 Cyl				3.313in./84.1mm x 4.375in./111.1mm			15 (Cont.)
	226 CID (3.7L) FA226 Continental 6 Cyl				3.313in./84.1mm x 4.375in./111.1mm			
	244 CID (4.0L) FA244 Continental 6 Cyl				3.438in./87.33mm x 4.375in./111.1mm			
Rod Forging	F600D-310, F600D-402, F600D-405							
C/S Forging	F600C-217, F600C-344, F600C-368, F600C-502, F600C-504, F600C-536, F600C-601, F600C-500A, F600C-502A, F600C-506A, F600C-606A, F600C-606C							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
16	228 CID (3.7L) JXA Hercules 6 Cyl				3.375in./85.7mm x 4.250in./108mm			16
	320 CID (5.2L) JXD Hercules 6 Cyl				4.000in./101.6mm x 4.250in./108mm			
	339 CID (5.6L) JXLD Hercules 6 Cyl				4.000in./101.6mm x 4.500in./114.3mm			
Rod Bearing(6)	TM-112	CB-340P	STD,10,20,30,40	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640
NOTE: Contains 2 Shims								
Cam Bearing Set	B-1	SH-198S	STD					
1-4		SH-197		2.0530/2.0540	0.0005/0.0040	0.0668	2.1870/2.1880	1.1350
2-3		SH-198		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230
NOTE: From Engine Serial Number 501088								
Rod Forging	40090C, 40390C, 43102C, 44119C							
C/S Forging	43532, 40091E, 40094D, 40094E, 40950E, 40991E, 42947E, 42974E, 42979E, 43526D, 43526E, 43528B, 43528E, 43531E, 44025E, 45853D, 45853E, 45855E, 45857E, 45859B, 45859D, 45859E, 45868G, 46024E, 50024E, C-5145, 140025D, 140026D, 155025E, 220426C							
Connecting Rod	53 To 56 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
17	231 CID (3.8L) Waukesha 6 Cyl				3.500in./88.9mm x 4.000in./101.6mm			17
	231 CID (3.8L) Waukesha Diesel 6 Cyl				3.500in./88.9mm x 4.000in./101.6mm			
Rod Bearing(6)	TM-112	CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560
Main Bearing Set	TM-112	MS-349P	STD,10,20					
1-2-4		MB-1643P		2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.5050
3		MB-1644P(F)		2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.7480
Cam Bearing Set	B-1	SH-330S	STD					
1		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
Piston Pin Bushing(12)	C-1	223-3514	STD			0.0450	1.3125/1.3130	0.5570
NOTE: 2 Per Rod,Requires Boring								
18	232 CID (3.8L) Waukesha 6 Cyl				3.625in./92.1mm x 3.750in./95.3mm			18
	232 CID (3.8L) Waukesha LPG 6 Cyl				3.625in./92.1mm x 3.750in./95.3mm			
Rod Bearing(6)	TM-112	CB-446P	STD,10,20	1.9990/2.0000	0.0005/0.0030	0.0617	2.1235/2.1240	1.1190
NOTE: Engines With 2.000" Crankpins								
Rod Bearing(6)	TM-112	CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560
NOTE: Engines With 2.250" Crankpins								
Main Bearing Set	TM-112	MS-406P	STD,10,20,30					
1-2-4		MB-1629P		2.2490/2.2500	0.0002/0.0032	0.0854	2.4210/2.4220	1.3800
3		MB-1786P(F)		2.2490/2.2500	0.0002/0.0032	0.0854	2.4210/2.4220	1.6230
Cam Bearing Set	B-1	SH-330S	STD					
1		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
19	251 CID (4.1L) I251 Chrysler 6 Cyl				3.438in./87.33mm x 4.500in./114.3mm			19
	265 CID (4.3L) I265 Chrysler 6 Cyl				3.438in./87.33mm x 4.750in./120.7mm			
Rod Bearing(6)	TM-77	CB-90P	STD,1,10,20,30,40,C60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	1.0850
Main Bearing Set	TM-77	MS-107P	STD,10,20					
1-2-3		MB-327P		2.4995/2.5005	0.0011/0.0036	0.0776	2.6565/2.6570	1.1810
4		MB-328P(F)		2.4995/2.5005	0.0017/0.0042	0.0774	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-37S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-37		1.9665/1.9675	0.0005/0.0045	0.0652	2.0985/2.0995	1.0700
3		SH-38		1.9350/1.9360	0.0005/0.0044	0.0653	2.0670/2.0680	1.0690
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								



OLIVER (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
20	265 CID (4.3L) 1650,1655,1800 Flex 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm				20	
Rod Bearing(6)	TM-112	CB-450P	STD,10	2.6240/2.6250	0.0009/0.0034	0.0952	2.8160/2.8165	1.1550	
NOTE: Engines With 2.625" Crankpins,From Serial Number 147569									
Rod Bearing(6)	TM-112	CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560	
NOTE: Engines With 2.250" Crankpins									
Rod Bearing(6)	TM-112	CB-703P	STD,10,20,30,40	2.4365/2.4375	0.0005/0.0030	0.0755	2.5885/2.5890	1.1250	
NOTE: Engines With 2.4375" Crankpins									
Main Bearing Set	TM-112	MS-349P	STD,10,20						
1-2-4		MB-1643P		2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.5050	
3		MB-1644P(F)		2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.7480	
NOTE: Engines With Vane Oil Pump Only									
Cam Bearing Set	B-1	SH-330S	STD						
1		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050	
21	265 CID (4.3L) 190DKB,190DLB,190DSB Waukesha Diesel 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm				21
	265 CID (4.3L) 190DLC,190KL Waukesha F Oil 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm				
	265 CID (4.3L) 190GL,190GLC,190GS,F265G Waukesha 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm				
	265 CID (4.3L) 190GLB Waukesha Flex 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm				
	265 CID (4.3L) F265G Waukesha Kero 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm				
	265 CID (4.3L) F265G Waukesha LPG 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm				
	302 CID (5.0L) 195GL Waukesha 6 Cyl				4.000in./101.6mm x 4.000in./101.6mm				
Rod Bearing(6)	TM-112	CB-450P	STD,10	2.6240/2.6250	0.0009/0.0034	0.0952	2.8160/2.8165	1.1550	
NOTE: Engines With 2.625" Crankpins,From Serial Number 147569,From Serial Number 60500,From Serial Number 6503,Standard Engine									
Rod Bearing(6)	TM-112	CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560	
NOTE: Engines With 2.250" Crankpins									
Rod Bearing(6)	TM-112	CB-703P	STD,10,20,30,40	2.4365/2.4375	0.0005/0.0030	0.0755	2.5885/2.5890	1.1250	
NOTE: Engines With 2.4375" Crankpins									
Main Bearing Set	TM-112	MS-349P	STD,10,20						
1-2-4		MB-1643P		2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.5050	
3		MB-1644P(F)		2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.7480	
NOTE: 190111 Crank Vane Oil Pump ,Engines With Vane Oil Pump Only									
Cam Bearing Set	B-1	SH-330S	STD						
1		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050	
Piston Pin Bushing(12)	C-1	223-3514	STD			0.0450	1.3125/1.3130	0.5570	
NOTE: 2 Per Rod,Requires Boring									
Rod Forging	190107, 190307								
C/S Forging	190111, 190211, 191211, 191311, 195111, 195311, 192211B								
Connecting Rod	87 To 92 Lbs.Ft.								
Main Bearing	109 To 112 Lbs.Ft.								
22	265 CID (4.3L) 190KL Waukesha Kero 6 Cyl				3.750in./95.25mm x 4.000in./101.6mm				22
	265 CID (4.3L) VRG265 Waukesha 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm				
	265 CID (4.3L) VRG265 Waukesha LPG 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm				
Rod Bearing(6)	TM-112	CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560	
Main Bearing Set	TM-112	MS-349P	STD,10,20						
1-2-4		MB-1643P		2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.5050	
3		MB-1644P(F)		2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.7480	
Cam Bearing Set	B-1	SH-330S	STD						
1		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050	
Rod Forging	190107								
C/S Forging	190111, 190211, 191211, 191311								
Connecting Rod	87 To 92 Lbs.Ft.								
Main Bearing	109 To 112 Lbs.Ft.								



OLIVER (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
23	283 CID (4.6L) 1750 6 Cyl				3.875in./98.4mm x 4.000in./101.6mm				23
	283 CID (4.6L) 1800 Diesel 6 Cyl				3.875in./98.4mm x 4.000in./101.6mm				
	283 CID (4.6L) F283G,VRG283 Waukesha 6 Cyl				3.875in./98.4mm x 4.000in./101.6mm				
	283 CID (4.6L) F283G,VRG283 Waukesha LPG 6 Cyl				3.875in./98.4mm x 4.000in./101.6mm				
	283 CID (4.6L) VRD283 Waukesha Diesel 6 Cyl				3.875in./98.4mm x 4.000in./101.6mm				
	310 CID (5.1L) F310DBA,F310DB,VRD310 Waukesha Diesel 6 Cyl				3.875in./98.4mm x 4.375in./111.1mm				
310 CID (5.1L) F310DBLT,F310DBT Waukesha Turbocharged Diesel 6 Cyl				3.875in./98.4mm x 4.375in./111.1mm					
Rod Bearing(6)	TM-112	CB-703P	STD,10,20,30,40	2.4365/2.4375	0.0005/0.0030	0.0755	2.5885/2.5890	1.1250	
Main Bearing Set	TM-112	MS-676P	STD,10,20,30						
1-2-3-4-6-7		MB-2225P		2.6240/2.6250	0.0018/0.0048	0.0950	2.8165/2.8175	1.2550	
5		MB-2226P(F)		2.6240/2.6250	0.0018/0.0048	0.0950	2.8165/2.8175	1.4980	
NOTE: .030" Undersize Set Contains .017" Oversize Length Flanged Bearing									
Cam Bearing Set	B-1	SH-614S	STD						
1-2-3-4		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050	
24	302 CID (5.0L) 195DLC Waukesha Diesel 6 Cyl				4.000in./101.6mm x 4.000in./101.6mm				24
Rod Bearing(6)	TM-112	CB-450P	STD,10	2.6240/2.6250	0.0009/0.0034	0.0952	2.8160/2.8165	1.1550	
NOTE: Engines With 2.625" Crankpins									
Rod Bearing(6)	TM-112	CB-703P	STD,10,20,30,40	2.4365/2.4375	0.0005/0.0030	0.0755	2.5885/2.5890	1.1250	
NOTE: Engines With 2.4375" Crankpins									
Cam Bearing Set	B-1	SH-330S	STD						
1		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050	
Piston Pin Bushing(12)	C-1	223-3514	STD			0.0450	1.3125/1.3130	0.5570	
NOTE: 2 Per Rod,Requires Boring									
C/S Forging 195311, 192211B									
Connecting Rod 87 To 92 Lbs.Ft.									
Main Bearing 109 To 112 Lbs.Ft.									
25	354 CID (5.8L) 6-354 Perkins Diesel 6 Cyl				3.877in./98.5mm x 5.000in./127mm				25
Rod Bearing	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550	
Main Bearing Set	AL-3	MS-757AL	STD,10,20,30						
1-2-3-5-6-7		MB-2221AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2550	
4		MB-2222AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4450	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S									
Thrust Washer Set		TW-121S	STD						
		MB-2222W(L)		3.4200/3.4300			4.0880/4.0980	0.0910	
		MB-2222W(U)		3.4200/3.4300			4.0880/4.0980	0.0910	
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4, Use With Part Number MS-757AL									
Thrust Washer Set		TW-316S	STD						
		MB-2636W(L)		3.4200/3.4300			4.0880/4.0980	0.0900	
		MB-2636W(U)		3.4200/3.4300			4.0880/4.0980	0.0900	
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4									
Rod Forging 59554, 31337310, 31337180JGSB									
C/S Forging 3132302, 31322302									
Connecting Rod 65 To 70 Lbs.Ft.									
Main Bearing 145 To 150 Lbs.Ft.									
26	478 CID (7.8L) General Motors V6 Cyl (1960-1974)				5.125in./130.2mm x 3.859in./98mm				26
Rod Bearing(6)	TM-77	CB-586P	STD,10,20,30,40,C60	2.8112/2.8122	0.0015/0.0040	0.1014	3.0160/3.0165	0.9400	
NOTE: 1962-1974, Undersize Bearings Can Be Used But The Crankshaft Must Be Rehardened By The TUFFTRIDED Process									
Main Bearing Set	TM-77	MS-521P-10	20						
1-2-4		MB-2009P		3.1237/3.1247	0.0016/0.0046	0.0995	3.3250/3.3260	1.1600	
3		MB-2010P(F)		3.1237/3.1247	0.0016/0.0046	0.0995	3.3250/3.3260	1.5290	
NOTE: 1960-1972, Undersize Bearings Can Be Used But The Crankshaft Must Be Rehardened By The TUFFTRIDED Process									
Rod Forging 2448949, 2474281, 2484084									
C/S Forging 672016, 2419583, 8877367									
Connecting Rod 65 To 75 Lbs.Ft.									
Main Bearing 130 To 140 Lbs.Ft. (Except Rear Bearing Cap)									
Main Bearing 85 To 95 Lbs.Ft. (Rear Bearing Cap)									



ONAN									
ENGINE DATA									
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block		
	2 CYL				2 CYL (Cont.)				
CCK 50 CID (0.8L)	3.250in./82.6mmX3.000in./76.2mm		1	CCKB 50 CID (0.8L)	3.250in./82.6mmX3.000in./76.2mm		1		
CCKA 50 CID (0.8L)	3.250in./82.6mmX3.000in./76.2mm		1						
CRANKSHAFT FORGING NUMBERS									
Forging No.	Stroke	Block	Forging No.	Stroke	Block				
P1428	3.000in./76.2mm	1	P1554	3.000in./76.2mm	1				
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
2 CYL									
1	50 CID (0.8L) CCK,CCKA,CCKB 2 Cyl					3.250in./82.6mm x 3.000in./76.2mm			1
Rod Bearing(2)	TM-77	CB-666P	STD,10,20		1.6252/1.6260	0.0010/0.0026	0.0620	1.7505/1.7510	1.0000
Main Bearing Set 1-2	AL-3	MS-1500AL MB-2528W	STD,10		2.1250			2.7500	0.0950
NOTE: Some Engines Require A Full Round Bearing With 1 Oil Hole And A Flange On One Side. All Other Engines Require MB2814AL With 5 Oil Holes And No Flange., Contains (2) 1 Piece Thrust Washer Set, Use In Number 1 And 2 Postions, Use With Part Number TW-446S (2)									
Thrust Washer Set(2)		TW-446S MB-2528W	STD		2.1250			2.7500	0.0950
NOTE: Contains 1 Piece, Position Number 1,Position Number 2, Use With Part Number MS-1500AL									
Cam Bearing Set 1-2	B-1	SH-692S SH-692	STD		1.3740/1.3745	0.0010/0.0050	0.0619	1.4995/1.5005	0.6970
C/S Forging	P1428, P1554								
Connecting Rod	17 To 20 Lbs.Ft.								
Main Bearing	20 To 25 Lbs.Ft.								
OPEL									
ENGINE DATA									
Engine	Years	Bore & Stroke		Block	Engine	Years	Bore & Stroke		Block
		4 CYL					6 CYL		
1698CC (1.7L)	1965-1972	3.465in./88mmX2.756in./70mm		1	2490CC (2.5L)	1972-1977	3.425in./87mmX2.756in./70mm		3
1817CC (1.8L) SOHC Isuzu	1976-1979	3.307in./84mmX3.228in./82mm		2	2784CC (2.8L)	1972-1981	3.622in./92mmX2.756in./70mm		3
1897CC (1.9L)	1965-1975	3.661in./93mmX2.756in./70mm		1					
MODEL DATA									
Model	Engine	Years	Block	Model	Engine	Years	Block		
1900	1897CC (1.9L)	1971-1974	1	Monza	2784CC (2.8L)	1972-1979	3		
Admiral	2784CC (2.8L)	1965-1979	3	Olympia	1698CC (1.7L)	1965-1972	1		
Blitz	2490CC (2.5L)	1972-1977	3	Olympia	1897CC (1.9L)	1965-1974	1		
Caravan	1698CC (1.7L)	1965-1972	1	Ralleye	1698CC (1.7L)	1965-1972	1		
Commodore	2490CC (2.5L)	1972-1977	3	Rekord	1698CC (1.7L)	1965-1972	1		
Commodore	2784CC (2.8L)	1972-1979	3	Rekord	1897CC (1.9L)	1965-1974	1		
Diplomat	2784CC (2.8L)	1972-1979	3	Rekord	2784CC (2.8L)	1972-1979	3		
GT	1897CC (1.9L)	1969-1973	1	Senator	2490CC (2.5L)	1972-1977	3		
Isuzu	1817CC (1.8L) SOHC Isuzu	1976-1979	2	Senator	2784CC (2.8L)	1972-1981	3		
Kadett	1897CC (1.9L)	1965-1974	1	Voyage	2490CC (2.5L)	1972-1977	3		
Manta	1897CC (1.9L)	1973-1974	1						
CONNECTING ROD FORGING NUMBERS									
Forging No.	Stroke	Block							
161	2.756in./70mm	1							



OPEL (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	1698CC (1.7L) 4 Cyl (1965-1972)			3.465in./88mm x 2.756in./70mm				1
	1897CC (1.9L) 4 Cyl (1965-1975)			3.661in./93mm x 2.756in./70mm				
Rod Bearing(4)	AL-3	CB-1173AL	STD.,.25mm,.50mm	2.0460/2.0467	0.0011/0.0033	0.0590	2.1653/2.1658	0.7720
Cam Bearing Set	B-1	SH-796S	STD					
1		SH-813		1.9266/1.9272	0.0007/0.0045	0.0990	2.1063/2.1075	0.9440
2		SH-814		1.9167/1.9173	0.0007/0.0045	0.0990	2.0964/2.0976	0.7280
3		SH-816		1.9069/1.9075	0.0007/0.0045	0.0940	2.0768/2.0779	0.7280
NOTE: 1698CC(1.7L)(1965-1971), 1897CC(1.9L)(1965-1971), 3 Camshaft Bearing Engines								
Rod Forging	161							
Connecting Rod	36 Lbs.Ft.							
Main Bearing	72 Lbs.Ft.							
2	1817CC (1.8L) SOHC Isuzu 4 Cyl (1976-1979)			3.307in./84mm x 3.228in./82mm				2
Rod Bearing(4)	TM-77	CB-1654P	STD.,.25mm,.50mm,.75mm,1.00mm	1.9262/1.9268	0.0012/0.0040	0.0596	2.0466/2.0472	0.8460
Main Bearing Set	TM-1	MS-1298G	STD.,.25mm,.50mm,.75mm,1.00mm					
1-3-5		MB-974G		2.2016/2.2022	0.0009/0.0039	0.0596	2.3220/2.3228	1.2600
2-4		MB-975G		2.2016/2.2022	0.0009/0.0039	0.0596	2.3220/2.3228	0.8270
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-451S								
Thrust Washer Set		TW-451S	STD					
		MB-3061W		2.5197			3.1575	0.0930
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1298G								
Connecting Rod	33 Lbs.Ft.							
Main Bearing	72 Lbs.Ft.							
6 CYL								
3	2490CC (2.5L) 6 Cyl (1972-1977)			3.425in./87mm x 2.756in./70mm				3
	2784CC (2.8L) 6 Cyl (1972-1981)			3.622in./92mm x 2.756in./70mm				
Rod Bearing(6)	AL-3	CB-1173AL	STD.,.25mm,.50mm	2.0460/2.0467	0.0011/0.0033	0.0590	2.1653/2.1658	0.7720
Connecting Rod	19 Lbs.Ft.							
Main Bearing	45 Lbs.Ft.							

PERKINS

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
3 CYL			4 CYL (Cont.)		
3-135 135 CID (2.2L) Diesel	3.600in./91.4mmX5.000in./127mm	1	A4-203 203 CID (3.3L) Diesel	3.583in./91mmX5.000in./127mm	3
3-152 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm	1	A4-212 212 CID (3.5L) Diesel	3.661in./93mmX5.000in./127mm	4
3-205 205 CID (3.4L) Diesel	3.661in./93mmX5.000in./127mm	1	A4-236 236 CID (3.9L) Diesel	3.858in./98mmX5.000in./127mm	4
3-144 144 CID/2360CC (2.4L) Diesel	3.500in./88.9mmX5.000in./127mm	1	A4-248 248 CID (4.1L) Diesel	3.976in./101mmX5.000in./127mm	5
A3-152 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm	1	A4-270 270 CID (4.4L) Diesel	4.252in./108mmX4.764in./121mm	6
AD3-152 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm	1	A4-318 318 CID/5215CC (5.2L) Diesel	4.500in./114.3mmX5.000in./127mm	7
AD3-152S 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm	1	AD4-203 203 CID (3.3L) Diesel	3.583in./91mmX5.000in./127mm	3
AG3-152 152 CID (2.5L)	3.600in./91.4mmX5.000in./127mm	1	AG4-212 212 CID (3.5L) Diesel	3.661in./93mmX5.000in./127mm	4
D3-152 152 CID (2.5L) Diesel	3.600in./91.4mmX5.000in./127mm	1	AG4-236 236 CID (3.9L)	3.858in./98mmX5.000in./127mm	4
P3-144 144 CID (2.4L) Diesel	3.504in./89mmX5.000in./127mm	1	D4-203 203 CID (3.3L) Diesel	3.583in./91mmX5.000in./127mm	3
4 CYL			D4-270 270 CID (4.4L) Diesel	4.252in./108mmX4.764in./121mm	6
4-99 99 CID (1.6L) Diesel	2.992in./76mmX3.465in./88mm	2	6 CYL		
4-107 107 CID (1.8L) Diesel	3.125in./79.4mmX3.465in./88mm	2	6-306 306 CID (5.0L) Diesel	3.602in./91.5mmX5.000in./127mm	8
4-108 108 CID (1.8L) Diesel	3.125in./79.4mmX3.465in./88mm	2	6-354 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	9
4-192 192 CID (3.1L) Diesel	3.504in./89mmX5.000in./127mm	3	6-354.2 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	9
4-203 203 CID (3.3L) Diesel	3.583in./91mmX5.000in./127mm	3	6-354.3 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	10
4-212 212 CID (3.5L) Diesel	3.661in./93mmX5.000in./127mm	4	6-354.4 354 CID (5.8L) Diesel	3.877in./98.5mmX5.000in./127mm	10
4-236 236 CID (3.9L) Diesel	3.875in./98.4mmX5.000in./127mm	4	6-372.4 372 CID (6.1L) Diesel	3.858in./98mmX5.276in./134mm	10
4-248 248 CID (4.1L) Diesel	3.976in./101mmX5.000in./127mm	5	6-288 288 CID (4.7L) Diesel	3.504in./89mmX5.000in./127mm	8
4-270 270 CID (4.4L) Diesel	4.252in./108mmX4.764in./121mm	6	6-305 305 CID (5.0L) Diesel	3.600in./91.4mmX5.000in./127mm	8
4-288 192 CID (3.1L) Diesel	3.504in./89mmX5.000in./127mm	3	6-372 372 CID (6.1L) Diesel	3.978in./101mmX5.276in./134mm	9
4-300 301 CID (4.9L) Diesel	4.488in./114mmX4.764in./121mm	6	1300 Series Peregrine Navistar 466 CID (7.6L) Diesel Turbocharged	4.300in./109.2mmX5.350in./135.9mm	12
4-318 318 CID/5215CC (5.2L) Diesel	4.500in./114.3mmX5.000in./127mm	7	1300 Series Peregrine Navistar 530 CID (8.7L) Diesel Turbocharged	4.587in./116.5mmX5.350in./135.9mm	12
A4-107 107 CID (1.8L) Diesel	3.125in./79.4mmX3.465in./88mm	2			
A4-192 192 CID (3.1L) Diesel	3.504in./89mmX5.000in./127mm	3			



PERKINS (Cont.)														
ENGINE DATA (Cont.)														
Engine			Bore & Stroke			Block	Engine			Bore & Stroke			Block	
6 CYL (Cont.)						8 CYL								
A6-354 354 CID (5.8L) Diesel			3.877in./98.5mmX5.000in./127mm			9	V8-510 510 CID (8.4L) Diesel			4.252in./108mmX4.488in./114mm			13	
AT6-354 354 CID (5.8L) Diesel			3.877in./98.5mmX5.000in./127mm			11	V8-540 540 CID (8.8L) Diesel			4.252in./108mmX4.764in./121mm			13	
Turbocharged							V8-605 Series 605 CID (9.9L) Diesel			4.488in./114mmX4.764in./121mm			13	
ATC6-354 354 CID (5.8L) Diesel			3.877in./98.5mmX5.000in./127mm			11								
Turbocharged														
H6-354 354 CID (5.8L) Diesel			3.877in./98.5mmX5.000in./127mm			9								
P6 288 CID (4.7L) Diesel			3.504in./89mmX5.000in./127mm			8								
T6-354 354 CID (5.8L) Diesel			3.877in./98.5mmX5.000in./127mm			11								
Turbocharged														
CONNECTING ROD FORGING NUMBERS														
Forging No.			Stroke	Block	Forging No.			Stroke	Block	Forging No.			Stroke	Block
52813			5.000in./127mm	1	59554			5.276in./134mm	9	31337180JGSB			5.276in./134mm	10
52813			5.000in./127mm	3	31337140			5.000in./127mm	1	31337180JGSB			5.276in./134mm	9
59554			5.000in./127mm	4	31337140			5.000in./127mm	3	31337220			5.000in./127mm	1
59554			5.000in./127mm	5	31337180JGSB			5.000in./127mm	4	31337220			5.000in./127mm	3
59554			5.000in./127mm	9	31337180JGSB			5.000in./127mm	5	31337240			3.465in./88mm	2
59554			5.000in./127mm	10	31337180JGSB			5.000in./127mm	9	31337290			4.764in./121mm	13
59554			5.276in./134mm	10	31337180JGSB			5.000in./127mm	10	31337310			5.000in./127mm	4
CRANKSHAFT FORGING NUMBERS														
Forging No.			Stroke	Block	Forging No.			Stroke	Block	Forging No.			Stroke	Block
3132302			5.000in./127mm	9	31315841			5.000in./127mm	7	31315971			5.000in./127mm	7
3132302			5.000in./127mm	10	31315843			5.000in./127mm	7	31316323			5.000in./127mm	7
3132302			5.276in./134mm	10	31315881			5.000in./127mm	4	31316324			5.000in./127mm	7
3132302			5.276in./134mm	9	31315881			5.000in./127mm	5	31316325			5.000in./127mm	7
31315127			5.000in./127mm	3	31315952			5.000in./127mm	7	31322302			5.000in./127mm	9
COUNTER DATA						SHOP DATA								
Bearing or Position		Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter		Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore		Max Length		
3 CYL														
1	135 CID (2.2L) 3-135 Diesel 3 Cyl								3.600in./91.4mm x 5.000in./127mm			1		
	144 CID (2.4L) P3-144 Diesel 3 Cyl								3.504in./89mm x 5.000in./127mm					
	144 CID/2360CC (2.4L) 3.144 Diesel 3 Cyl								3.500in./88.9mm x 5.000in./127mm					
	152 CID (2.5L) 3-152,A3-152,AD3-152,AD3-152S,D3-152 Diesel 3 Cyl								3.600in./91.4mm x 5.000in./127mm					
	152 CID (2.5L) AG3-152 3 Cyl								3.600in./91.4mm x 5.000in./127mm					
	205 CID (3.4L) 3-205 Diesel 3 Cyl								3.661in./93mm x 5.000in./127mm					
Rod Bearing(3)		AL-3	CB-560AL		STD,10,20,30,40		2.2485/2.2490		0.0025/0.0045	0.0720	2.3950/2.3955		1.1900	
Main Bearing Set		AL-3	MS-772AL		STD,10,20,30									
1			MB-2186AL				2.7485/2.7490		0.0018/0.0043	0.0830	2.9165/2.9170		1.3050	
2-3			MB-2187AL				2.7485/2.7490		0.0018/0.0043	0.0830	2.9165/2.9170		1.0000	
4			MB-2302AL				2.7485/2.7490		0.0018/0.0043	0.0830	2.9165/2.9170		1.6050	
Thrust Washer Set			TW-119S		STD									
			MB-2188W(L)				3.0450/3.0550				3.5520/3.5620		0.1230	
			MB-2188W(U)				3.0450/3.0550				3.5520/3.5620		0.1230	
NOTE: From Engine Serial Number 1400250,Thru Eng Serial Number 1412719, Contains 4 Pieces, Position Number 4														
Thrust Washer Set			TW-130S		STD									
			MB-2292W(L)				3.0450/3.0550				3.5520/3.5620		0.1230	
			MB-2292W(U)				3.0450/3.0550				3.5520/3.5620		0.1230	
NOTE: From Eng Serial Number 1412720, Contains 4 Pieces, Position Number 4														
Piston Pin Bushing(3)		C-1	223-3594		STD					0.8500	1.3757/1.3762		1.0630	
NOTE: Requires Boring														
Rod Forging		52813, 31337140, 31337220												
Connecting Rod		70 To 80 Lbs.Ft.												
Main Bearing		110 To 120 Lbs.Ft.												



PERKINS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
2	99 CID (1.6L) 4-99 Diesel 4 Cyl 107 CID (1.8L) 4-107,A4-107 Diesel 4 Cyl 108 CID (1.8L) 4-108 Diesel 4 Cyl			2.992in./76mm x 3.465in./88mm 3.125in./79.4mm x 3.465in./88mm 3.125in./79.4mm x 3.465in./88mm				2
Rod Bearing(4)	AL-3	CB-652AL	STD,10,20,30	1.9995/2.0000	0.0017/0.0037	0.0724	2.1460/2.1465	0.8800
Main Bearing Set 1-2-3	AL-3	MS-1037AL MB-2573AL	STD,10,20	2.2480/2.2485	0.0020/0.0040	0.0724	2.3950/2.3955	1.2550
Thrust Washer Set		TW-115S MB-2176W(L) MB-2176W(U)	STD	2.5900/2.6000 2.5900/2.6000			3.2450/3.2550 3.2450/3.2550	0.0910 0.0910
NOTE: Contains 3 Piece Thrust Washer Set, Position Number 3, Use With Part Number MS-1037AL								
Rod Forging	31337240							
Connecting Rod	30 To 35 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
3	192 CID (3.1L) 4-192,4-288,A4-192 Diesel 4 Cyl 203 CID (3.3L) 4-203,A4-203,AD4-203,D4-203 Diesel 4 Cyl			3.504in./89mm x 5.000in./127mm 3.583in./91mm x 5.000in./127mm				3
Rod Bearing(4)	AL-3	CB-560AL	STD,10,20,30,40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900
Main Bearing Set 1	AL-3	MS-773AL MB-2186AL	STD,10,20	2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.3050
2-4		MB-2187AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.0000
3-5		MB-2302AL		2.7485/2.7490	0.0018/0.0043	0.0830	2.9165/2.9170	1.6050
Thrust Washer Set		TW-119S MB-2188W(L) MB-2188W(U)	STD	3.0450/3.0550 3.0450/3.0550			3.5520/3.5620 3.5520/3.5620	0.1230 0.1230
NOTE: From Engine Serial Number 2096900,Thru Eng. Serial No. 2105859, Contains 4 Pieces, Position Number 5								
Thrust Washer Set		TW-130S MB-2292W(L) MB-2292W(U)	STD	3.0450/3.0550 3.0450/3.0550			3.5520/3.5620 3.5520/3.5620	0.1230 0.1230
NOTE: From Engine Serial Number 2105860, Contains 4 Pieces, Position Number 5								
Piston Pin Bushing(4)	C-1	223-3594	STD			0.8500	1.3757/1.3762	1.0630
NOTE: Requires Boring								
Rod Forging	52813, 31337140, 31337220							
C/S Forging	31315127							
Connecting Rod	70 To 80 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft.							
4	212 CID (3.5L) 4-212,A4-212,AG4-212 Diesel 4 Cyl 236 CID (3.9L) 4-236 Diesel 4 Cyl 236 CID (3.9L) A4-236 Diesel 4 Cyl 236 CID (3.9L) AG4-236 4 Cyl			3.661in./93mm x 5.000in./127mm 3.875in./98.4mm x 5.000in./127mm 3.858in./98mm x 5.000in./127mm 3.858in./98mm x 5.000in./127mm				4
Rod Bearing(4)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set 1-2-4-5	AL-3	MS-830AL MB-2221AL MB-2222AL	STD,10,20,30	2.9985/2.9990 2.9985/2.9990	0.0027/0.0052 0.0027/0.0052	0.0823 0.0823	3.1660/3.1670 3.1660/3.1670	1.2550 1.4450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set		TW-121S MB-2222W(L) MB-2222W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0910 0.0910
NOTE: Thru Engine Serial Number 4203049, Contains 4 Pieces, Position Number 3, Use With Part Number MS-830AL								
Thrust Washer Set		TW-316S MB-2636W(L) MB-2636W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0900 0.0900
NOTE: From Engine Serial Number 4203050, Contains 4 Pieces, Position Number 3, Use With Part Number MS-830AL								
Rod Forging	59554, 31337310, 31337180JGSB							
C/S Forging	31315881							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	140 To 150 Lbs.Ft.							



PERKINS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
5	248 CID (4.1L) 4-248,A4-248 Diesel 4 Cyl				3.976in./101mm x 5.000in./127mm			5
Rod Bearing(4)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set 1-2-4-5	AL-3	MS-830AL	STD,10,20,30	2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2550
3		MB-2221AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set		TW-121S	STD	3.4200/3.4300			4.0880/4.0980	0.0910
		MB-2222W(L)		3.4200/3.4300			4.0880/4.0980	0.0910
NOTE: Thru Engine Serial Number 4203049, Contains 4 Pieces, Position Number 3, Use With Part Number MS-830AL								
Thrust Washer Set		TW-316S	STD	3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(L)		3.4200/3.4300			4.0880/4.0980	0.0900
NOTE: From Engine Serial Number 4203050, Contains 4 Pieces, Position Number 3, Use With Part Number MS-830AL								
Piston Pin Bushing(4)	C-1	223-3640	STD			0.0870	1.5318/1.5323	1.3360
Rod Forging	59554, 31337310, 31337180	JGSB						
C/S Forging	31315881							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	140 To 150 Lbs.Ft.							
6	270 CID (4.4L) 4-270,A4-270,D4-270 Diesel 4 Cyl				4.252in./108mm x 4.764in./121mm			6
	301 CID (4.9L) 4-300 Diesel 4 Cyl				4.488in./114mm x 4.764in./121mm			
Rod Bearing(4)	TM-112	CB-751P	STD,10	2.7482/2.7490	0.0025/0.0053	0.0825	2.9160/2.9170	1.3780
NOTE: From Engine Serial Number 6200250								
Thrust Washer Set		TW-121S	STD	3.4200/3.4300			4.0880/4.0980	0.0910
		MB-2222W(L)		3.4200/3.4300			4.0880/4.0980	0.0910
NOTE: From Engine Serial Number 6200250, Contains 4 Pieces, Position Number 3								
7	318 CID/5215CC (5.2L) 4.318,A4.318 Diesel 4 Cyl				4.500in./114.3mm x 5.000in./127mm			7
Rod Bearing	TM-112	CB-751P	STD,10	2.7482/2.7490	0.0025/0.0053	0.0825	2.9160/2.9170	1.3780
Main Bearing Set 1-2-4-5	AL-3	MS-830AL	STD,10,20,30	2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2550
3		MB-2221AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-316S								
Thrust Washer Set		TW-316S	STD	3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(L)		3.4200/3.4300			4.0880/4.0980	0.0900
NOTE: Contains 4 Piece Thrust Washer Set, Use In Number 3 Position, Use With Part Number MS-830AL								
C/S Forging	31315841, 31315843, 31315952, 31315971, 31316323, 31316324, 31316325							
Connecting Rod	105 Lbs.Ft.							
Main Bearing	150 Lbs.Ft.							
6 CYL								
8	288 CID (4.7L) 6.288,P6 Diesel 6 Cyl				3.504in./89mm x 5.000in./127mm			8
	305 CID (5.0L) 6.305 Diesel 6 Cyl				3.600in./91.4mm x 5.000in./127mm			
	306 CID (5.0L) 6-306 Diesel 6 Cyl				3.602in./91.5mm x 5.000in./127mm			
Rod Bearing(6)	AL-3	CB-560AL	STD,10,20,30,40	2.2485/2.2490	0.0025/0.0045	0.0720	2.3950/2.3955	1.1900
Thrust Washer Set		TW-119S	STD	3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2188W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Engine Serial Number 3280000,Thru Eng. Serial No. 3294767, Contains 4 Piece Thrust Washer Set, Use In Number 7 Position								
Thrust Washer Set		TW-130S	STD	3.0450/3.0550			3.5520/3.5620	0.1230
		MB-2292W(L)		3.0450/3.0550			3.5520/3.5620	0.1230
NOTE: From Engine Serial Number 3294768, Contains 4 Piece Thrust Washer Set, Use In Number 7 Position								



PERKINS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
8 (Cont.)	288 CID (4.7L) 6.288,P6 Diesel 6 Cyl				3.504in./89mm x 5.000in./127mm			8 (Cont.)
	305 CID (5.0L) 6.305 Diesel 6 Cyl				3.600in./91.4mm x 5.000in./127mm			
	306 CID (5.0L) 6-306 Diesel 6 Cyl				3.602in./91.5mm x 5.000in./127mm			
Piston Pin Bushing(6)		C-1	223-3594	STD		0.8500	1.3757/1.3762	1.0630
NOTE: Requires Boring								
Connecting Rod		70 To 80 Lbs.Ft.						
Main Bearing		110 To 120 Lbs.Ft.						
9	354 CID (5.8L) 6-354.2,6-354,A6-354,H6-354 Diesel 6 Cyl				3.877in./98.5mm x 5.000in./127mm			9
	372 CID (6.1L) 6.372 Diesel 6 Cyl				3.978in./101mm x 5.276in./134mm			
Rod Bearing(6)		AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465
Main Bearing Set		AL-3	MS-757AL	STD,10,20,30				
1-2-3-5-6-7			MB-2221AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670
4			MB-2222AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set			TW-121S	STD				
			MB-2222W(L)		3.4200/3.4300			4.0880/4.0980
			MB-2222W(U)		3.4200/3.4300			4.0880/4.0980
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4, Use With Part Number MS-757AL								
Thrust Washer Set			TW-316S	STD				
			MB-2636W(L)		3.4200/3.4300			4.0880/4.0980
			MB-2636W(U)		3.4200/3.4300			4.0880/4.0980
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4, Use With Part Number MS-757AL								
Rod Forging		59554, 31337310, 31337180JGSB						
C/S Forging		3132302, 31322302						
Connecting Rod		65 To 70 Lbs.Ft.						
Main Bearing		145 To 150 Lbs.Ft.						
10	354 CID (5.8L) 6-354.3,6-354.4 Diesel 6 Cyl				3.877in./98.5mm x 5.000in./127mm			10
	372 CID (6.1L) 6-372.4 Diesel 6 Cyl				3.858in./98mm x 5.276in./134mm			
Rod Bearing(6)		AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465
Main Bearing Set		AL-3	MS-1548AL	STD,10				
1-2-3-5-6-7			MB-2789AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670
4			MB-2790AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-316S								
Thrust Washer Set			TW-316S	STD				
			MB-2636W(L)		3.4200/3.4300			4.0880/4.0980
			MB-2636W(U)		3.4200/3.4300			4.0880/4.0980
NOTE: From Engine Serial Number 8504190, Contains 4 Piece Thrust Washer Set, Use In Number 4 Position, Use With Part Number MS-1548AL								
Rod Forging		59554, 31337310, 31337180JGSB						
C/S Forging		3132302, 31322302						
Connecting Rod		75 Lbs.Ft. (Cadmium Plated Bolts)						
Connecting Rod		95 Lbs.Ft. (Phosphated Bolts)						
Main Bearing		200 Lbs.Ft.						
11	354 CID (5.8L) AT6-354,ATC6-354,T6-354 Turbocharged Diesel 6 Cyl				3.877in./98.5mm x 5.000in./127mm			11
Rod Bearing(6)		AL-3	CB-1209AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465
Main Bearing Set		AL-3	MS-757AL	STD,10,20,30				
1-2-3-5-6-7			MB-2221AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670
4			MB-2222AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set			TW-121S	STD				
			MB-2222W(L)		3.4200/3.4300			4.0880/4.0980
			MB-2222W(U)		3.4200/3.4300			4.0880/4.0980
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4								
Thrust Washer Set			TW-316S	STD				
			MB-2636W(L)		3.4200/3.4300			4.0880/4.0980
			MB-2636W(U)		3.4200/3.4300			4.0880/4.0980
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4								



PERKINS (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
12	466 CID (7.6L) 1300 Series Peregrine Navistar Turbocharged Diesel 6 Cyl			4.300in./109.2mm x 5.350in./135.9mm				12
	530 CID (8.7L) 1300 Series Peregrine Navistar Turbocharged Diesel 6 Cyl			4.587in./116.5mm x 5.350in./135.9mm				
Rod Bearing(6)	TM-77	CB-1659P	STD,10,20	3.1493/3.1506	0.0018/0.0051	0.0996	3.3516/3.3526	1.4400
Main Bearing Set 1-2-3-4-5-6	TM-77	MS-2096P MB-3555P	STD,10,20	3.5344/3.5356	0.0018/0.0051	0.1556	3.8486/3.8496	1.3510
7		MB-3556P(F)		3.5344/3.5356	0.0018/0.0051	0.1556	3.8486/3.8496	1.7000
8 CYL								
13	510 CID (8.4L) V8-510 Diesel V8 Cyl			4.252in./108mm x 4.488in./114mm				13
	540 CID (8.8L) V8-540 Diesel V8 Cyl			4.252in./108mm x 4.764in./121mm				
	605 CID (9.9L) V8-605 Series Diesel V8 Cyl			4.488in./114mm x 4.764in./121mm				
Main Bearing Set 1-3-5	AL-3	MS-1207AL MB-756AL	STD	3.9967/3.9972	0.0037/0.0062	0.0920	4.1850/4.1860	1.3800
2-4		MB-757AL		3.9967/3.9972	0.0037/0.0062	0.0920	4.1850/4.1860	1.6300
NOTE: Requires Thrust Washer Set, Not Included								
Rod Forging	31337290							
Main Bearing	100 Lbs.Ft. (1/2" Side Bolts, Letter W Stamped Set Screw)							
Main Bearing	140 Lbs.Ft. (510 CID (8.4L) V8-510)							
Main Bearing	210 Lbs.Ft. (5/8" Bolts)							
Main Bearing	75 Lbs.Ft. (1/2" Side Bolts, Letter S Stamped Set Screw)							
PEUGEOT								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
4 CYL				6 CYL				
2112CC (2.1L) XD90 Diesel	1974-1976	3.543in./90mmX3.268in./83mm	1	2664CC (2.7L) ZM	1977-1978	3.465in./88mmX2.874in./73mm	5	
2165CC (2.2L) ZDJL	1985-1991	3.465in./88mmX3.504in./89mm	2	2849CC (2.8L) ZN3J	1979-1991	3.583in./91mmX2.874in./73mm	5	
2304CC (2.3L) XD2 Diesel	1977-1983	3.701in./94mmX3.268in./83mm	3					
2304CC (2.3L) XD2S Turbo	1980-1984	3.701in./94mmX3.268in./83mm	3					
2498CC (2.5L) XD3T Turbo	1985-1987	3.701in./94mmX3.543in./90mm	4					
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
504	2112CC (2.1L) XD90 Diesel	1974-1976	1	505	2849CC (2.8L) ZN3J	1987-1991	5	
504	2304CC (2.3L) XD2 Diesel	1977-1983	3	604	2304CC (2.3L) XD2S Turbo	1981-1984	3	
505	2165CC (2.2L) ZDJL	1985-1991	2		Diesel			
505	2304CC (2.3L) XD2 Diesel	1980-1983	3	604	2664CC (2.7L) ZM	1977-1978	5	
505	2304CC (2.3L) XD2S Turbo	1980-1984	3	604	2849CC (2.8L) ZN3J	1979-1981	5	
	Diesel							
505	2498CC (2.5L) XD3T Turbo	1985-1987	4					
	Diesel							
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	2112CC (2.1L) XD90 Diesel 4 Cyl (1974-1976)			3.543in./90mm x 3.268in./83mm				1
Rod Bearing(4)	AL-3	CB-741AL	STD	1.9679/1.9685	0.0026/0.0043	0.0717	2.1140/2.1145	1.1420
Connecting Rod	43 Lbs.Ft.							
Main Bearing	80 Lbs.Ft.							
2	2165CC (2.2L) ZDJL 4 Cyl (1985-1991)			3.465in./88mm x 3.504in./89mm				2
Rod Bearing(4)	AL-3	CB-1311AL	STD, .25mm	2.2152/2.2160	0.0017/0.0043	0.0725	2.3622/2.3630	0.8170
Main Bearing Set 1-2-3-4-5	AL-3	MS-1604AL MB-2948AL	.25mm	2.4753/2.4761	0.0005/0.0031	0.0742	2.6247/2.6255	0.9250
NOTE: Requires Thrust Washer Set, Not Included								
Connecting Rod	46 Lbs.Ft.							
Main Bearing	69 Lbs.Ft.							



PEUGEOT (Cont.)												
COUNTER DATA				SHOP DATA								
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length				
4 CYL (Cont.)												
3	2304CC (2.3L) XD2 Diesel 4 Cyl (1977-1983)			3.701in./94mm x 3.268in./83mm				3				
	2304CC (2.3L) XD2S Turbo Turbocharged Diesel 4 Cyl (1980-1984)			3.701in./94mm x 3.268in./83mm								
Rod Bearing(4) NOTE: Thru 6/81	AL-3	CB-741AL	STD	1.9679/1.9685	0.0026/0.0043	0.0717	2.1140/2.1145	1.1420				
Rod Bearing(4) NOTE: From 7/81	AL-3	CB-1168AL	STD	2.1651/2.1662	0.0028/0.0054	0.0720	2.3125/2.3130	1.1420				
Thrust Washer Set		TW-344S	STD									
		MB-2781W(L)		2.6378			3.3465	0.0920				
		MB-2781W(U)		2.6378			3.3465	0.0920				
NOTE: From 7/81, Contains 4 Pieces, Position Number 4												
Connecting Rod	43 Lbs.Ft.											
Main Bearing	80 Lbs.Ft.											
4	2498CC (2.5L) XD3T Turbo Turbocharged Diesel 4 Cyl (1985-1987)			3.701in./94mm x 3.543in./90mm				4				
Rod Bearing(4)	AL-3	CB-1168AL	STD	2.1651/2.1662	0.0028/0.0054	0.0720	2.3125/2.3130	1.1420				
Thrust Washer Set		TW-344S	STD									
		MB-2781W(L)		2.6378			3.3465	0.0920				
		MB-2781W(U)		2.6378			3.3465	0.0920				
NOTE: Contains 4 Pieces, Position Number 4												
Connecting Rod	43 Lbs.Ft.											
Main Bearing	80 Lbs.Ft.											
6 CYL												
5	2664CC (2.7L) ZM V6 Cyl (1977-1978)			3.465in./88mm x 2.874in./73mm				5				
	2849CC (2.8L) ZN3J V6 Cyl (1979-1991)			3.583in./91mm x 2.874in./73mm								
Main Bearing Set 1-2-3-4	AL-3	MS-1394AL	STD	2.7576/2.7583	0.0008/0.0030	0.0772	2.9134/2.9141	0.9240				
		MB-2700AL										
NOTE: 2664CC (2.7L) ZM (1977-1978), 2849CC (2.8L) ZN3J (1979-1981,1987-1991), Requires Thrust Washer Set, Not Included												
Connecting Rod	33 To 37 Lbs.Ft.											
Main Bearing	22 To 26 Lbs.Ft. Plus 75 Degrees											
PININFARINA												
ENGINE DATA												
Engine	Years		Block									
	4 CYL											
1995CC (2.0L) 132C2 DOHC Fiat	1983-1987		1									
MODEL DATA												
Model	Engine	Years	Block									
Spider	1995CC (2.0L) 132C2 DOHC Fiat	1983-1987	1									
COUNTER DATA				SHOP DATA								
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length				
4 CYL												
1	1995CC (2.0L) 132C2 DOHC Fiat 4 Cyl (1983-1987)			3.307in./84mm x 3.543in./90mm				1				
Rod Bearing(4)	AL-3	CB-1138AL	STD,10,20	1.9993/2.0000	0.0015/0.0035	0.0602	2.1219/2.1226	0.7680				
Main Bearing Set 1-2-4-5	AL-3	MS-1145AL	STD	2.0860/2.0868	0.0028/0.0040	0.0724	2.2329/2.2335	0.8170				
3		MB-672AL		2.0860/2.0868	0.0028/0.0040	0.0724	2.2329/2.2335	0.9550				
NOTE: Requires Thrust Washer Set, Not Included												
Connecting Rod	54 Lbs.Ft.											
Main Bearing	58 Lbs.Ft.											



RENAULT							
ENGINE DATA							
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				4 CYL (Cont.)			
956CC (1.0L) 8.5 to 1 Compression	1963-1966	2.559in./65mmX2.835in./72mm	1	1565CC (1.6L) 8.6 to 1 Compression	1969-1972	3.031in./77mmX3.307in./84mm	5
956CC (1.0L) 9.5 to 1 Compression	1963-1966	2.559in./65mmX2.835in./72mm	1	1565CC (1.6L) 9.0 to 1 Compression	1972	3.031in./77mmX3.307in./84mm	5
1108CC (1.1L) 10.5 to 1 Compression	1965-1966	2.756in./70mmX2.835in./72mm	1	1647CC (1.6L) 7.5 to 1 Compression	1973-1975	3.110in./79mmX3.307in./84mm	5
1108CC (1.1L) 8.5 to 1 Compression	1964-1969	2.756in./70mmX2.835in./72mm	1	1647CC (1.6L) 8.0 to 1 Compression	1976-1977	3.110in./79mmX3.307in./84mm	5
1289CC (1.3L)	1969-1979	2.874in./73mmX3.031in./77mm	2	1647CC (1.6L) 8.6 to 1 Compression	1981-1983	3.110in./79mmX3.307in./84mm	5
1289CC (1.3L) 8.0 to 1 Compression	1970	2.874in./73mmX3.031in./77mm	3	1647CC (1.6L) 9.3 to 1 Compression	1976-1979	3.110in./79mmX3.307in./84mm	5
1289CC (1.3L) 8.5 to 1 Compression	1976-1979	2.874in./73mmX3.031in./77mm	4	105 CID/1721CC (1.7L) F3N	1985-1987	3.189in./81mmX3.307in./84mm	6
1289CC (1.3L) 8.8 to 1 Compression	1971	2.874in./73mmX3.031in./77mm	3	1965CC (2.0L) F3R	1987	3.228in./82mmX3.661in./93mm	6
1397CC (1.4L)	1983-1987	2.992in./76mmX3.031in./77mm	4	2165CC (2.2L) 8.7 to 1 Compression	1984-1986	3.465in./88mmX3.504in./89mm	7
1397CC (1.4L) 8.8 to 1 Compression	1980-1983	2.992in./76mmX3.031in./77mm	4				
1470CC (1.5L)	1966-1970	2.992in./76mmX3.189in./81mm	5				
1565CC (1.6L) 8.0 to 1 Compression Turbocharged	1982-1985	3.031in./77mmX3.307in./84mm	5				
MODEL DATA							
Model	Engine	Years	Block	Model	Engine	Years	Block
18i	1647CC (1.6L) 8.6 to 1 Compression	1981-1983	5	R10	1289CC (1.3L) 8.8 to 1 Compression	1971	3
Alliance	105 CID/1721CC (1.7L) F3N	1985-1987	6	R10	1289CC (1.3L)	1969-1979	2
Alliance	1397CC (1.4L)	1983-1987	4	R12	1289CC (1.3L)	1969-1979	2
Caravelle	956CC (1.0L) 9.5 to 1 Compression	1964-1966	1	R12	1565CC (1.6L) 8.6 to 1 Compression	1972	5
Caravelle	1108CC (1.1L) 8.5 to 1 Compression	1964-1966	1	R12	1647CC (1.6L) 7.5 to 1 Compression	1973-1975	5
Caravelle S	956CC (1.0L) 9.5 to 1 Compression	1963	1	R12	1647CC (1.6L) 8.0 to 1 Compression	1976-1977	5
Encore	105 CID/1721CC (1.7L) F3N	1985-1986	6	R15	1289CC (1.3L)	1969-1979	2
Encore	1397CC (1.4L)	1984-1986	4	R15	1565CC (1.6L) 8.6 to 1 Compression	1972	5
Fuego	1565CC (1.6L) 8.0 to 1 Compression	1982-1985	5	R15	1647CC (1.6L) 7.5 to 1 Compression	1973-1975	5
Fuego	1647CC (1.6L) 8.6 to 1 Compression	1982-1983	5	R15	1647CC (1.6L) 8.0 to 1 Compression	1976	5
Fuego	2165CC (2.2L) 8.7 to 1 Compression	1984-1985	7	R16	1565CC (1.6L) 8.6 to 1 Compression	1969-1972	5
GTA	1965CC (2.0L) F3R	1987	6	R16/R1150	1470CC (1.5L)	1966-1970	5
R5	1289CC (1.3L) 8.5 to 1 Compression	1976-1979	4	R17	1565CC (1.6L) 9.0 to 1 Compression	1972	5
R5	1397CC (1.4L) 8.8 to 1 Compression	1980-1983	4	R17	1647CC (1.6L) 7.5 to 1 Compression	1973-1975	5
R8	956CC (1.0L) 8.5 to 1 Compression	1963-1966	1	R17	1647CC (1.6L) 8.0 to 1 Compression	1976-1977	5
R8 1100	1108CC (1.1L) 8.5 to 1 Compression	1964-1966	1	R17	1647CC (1.6L) 9.3 to 1 Compression	1976-1979	5
R8 Gordini	1108CC (1.1L) 10.5 to 1 Compression	1965-1966	1	SportWagon	2165CC (2.2L) 8.7 to 1 Compression	1984-1986	7
R10	1108CC (1.1L) 8.5 to 1 Compression	1967-1969	1				
R10	1289CC (1.3L) 8.0 to 1 Compression	1970	3				



RENAULT (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	956CC (1.0L) 8.5 to 1 Compression,9.5 to 1 Compression 4 Cyl (1963-1966) 1108CC (1.1L) 10.5 to 1 Compression 4 Cyl (1965-1966) 1108CC (1.1L) 8.5 to 1 Compression 4 Cyl (1964-1969)			2.559in./65mm x 2.835in./72mm 2.756in./70mm x 2.835in./72mm 2.756in./70mm x 2.835in./72mm				1
Rod Bearing(4)	AL-3	CB-722AL	STD, .25mm, .50mm	1.7309/1.7315	0.0010/0.0026	0.0710	1.8746/1.8750	0.8170
Thrust Washer Set		TW-142S MB-2349W	STD	1.9900/2.0142			2.6650/2.6874	0.0910
NOTE: Thru 6/68, Contains 2 Pieces, Position Number 2								
Connecting Rod		25 Lbs.Ft.						
Main Bearing		45 Lbs.Ft.						
2	1289CC (1.3L) 4 Cyl (1969-1979)			2.874in./73mm x 3.031in./77mm				2
Rod Bearing(4)	AL-3	CB-722AL	STD, .25mm, .50mm	1.7309/1.7315	0.0010/0.0026	0.0710	1.8746/1.8750	0.8170
NOTE: 1969-1972								
Rod Bearing(4)	AL-3	CB-1005AL	STD	1.7309/1.7315	0.0016/0.0026	0.0711	1.8746/1.8750	0.6980
NOTE: 1976-1979								
Main Bearing Set	AL-3	MS-1381AL	STD, .25mm, .50mm					
1-2-3-4-5		MB-2664AL		2.1572/2.1576	0.0005/0.0031	0.0768	2.3122/2.3130	0.7680
NOTE: 1976-1979, Requires Thrust Washer Set, Not Included								
Connecting Rod		25 Lbs.Ft.						
Connecting Rod		35 Lbs.Ft. (1976-1979,)						
Main Bearing		45 Lbs.Ft. (1969-1972,)						
Main Bearing		48 Lbs.Ft. (1976-1979,)						
3	1289CC (1.3L) 8.0 to 1 Compression 4 Cyl (1970) 1289CC (1.3L) 8.8 to 1 Compression 4 Cyl (1971)			2.874in./73mm x 3.031in./77mm 2.874in./73mm x 3.031in./77mm				3
Rod Bearing(4)	AL-3	CB-722AL	STD, .25mm, .50mm	1.7309/1.7315	0.0010/0.0026	0.0710	1.8746/1.8750	0.8170
Connecting Rod		25 Lbs.Ft. (1976-1979,)						
Main Bearing		45 Lbs.Ft.						
4	1289CC (1.3L) 8.5 to 1 Compression 4 Cyl (1976-1979) 1397CC (1.4L) 4 Cyl (1983-1987) 1397CC (1.4L) 8.8 to 1 Compression 4 Cyl (1980-1983)			2.874in./73mm x 3.031in./77mm 2.992in./76mm x 3.031in./77mm 2.992in./76mm x 3.031in./77mm				4
Rod Bearing(4)	AL-3	CB-1005AL	STD	1.7309/1.7315	0.0016/0.0026	0.0711	1.8746/1.8750	0.6980
Main Bearing Set	AL-3	MS-1381AL	STD, .25mm, .50mm					
1-2-3-4-5		MB-2664AL		2.1572/2.1576	0.0005/0.0031	0.0768	2.3122/2.3130	0.7680
NOTE: Requires Thrust Washer Set, Not Included								
Connecting Rod		35 Lbs.Ft.						
Main Bearing		48 Lbs.Ft.						
5	1470CC (1.5L) 4 Cyl (1966-1970) 1565CC (1.6L) 8.0 to 1 Compression Turbocharged 4 Cyl (1982-1985) 1565CC (1.6L) 8.6 to 1 Compression 4 Cyl (1969-1972) 1565CC (1.6L) 9.0 to 1 Compression 4 Cyl (1972) 1647CC (1.6L) 7.5 to 1 Compression 4 Cyl (1973-1975) 1647CC (1.6L) 8.0 to 1 Compression 4 Cyl (1976-1977) 1647CC (1.6L) 8.6 to 1 Compression 4 Cyl (1981-1983) 1647CC (1.6L) 9.3 to 1 Compression 4 Cyl (1976-1979)			2.992in./76mm x 3.189in./81mm 3.031in./77mm x 3.307in./84mm 3.031in./77mm x 3.307in./84mm 3.031in./77mm x 3.307in./84mm 3.110in./79mm x 3.307in./84mm 3.110in./79mm x 3.307in./84mm 3.110in./79mm x 3.307in./84mm 3.110in./79mm x 3.307in./84mm				5
Main Bearing Set	AL-3	MS-1140AL-.25mm						
1-2-3-4-5		MB-664AL		2.1576/2.1579	0.0015/0.0033	0.0768	2.3122/2.3130	0.8070
NOTE: Requires Thrust Washer Set, Not Included								
Connecting Rod		30 Lbs.Ft.						
Main Bearing		45 Lbs.Ft.						
6	105 CID/1721CC (1.7L) F3N 4 Cyl (1985-1987) 1965CC (2.0L) F3R 4 Cyl (1987)			3.189in./81mm x 3.307in./84mm 3.228in./82mm x 3.661in./93mm				6
Rod Bearing(4)	AL-3	CB-1310AL	STD	1.8898/1.8906	0.0018/0.0031	0.0693	2.0310/2.0315	0.8070
Main Bearing Set	AL-3	MS-1603AL	STD					
1-2-3-4-5		MB-2947AL		2.1573/2.1577	0.0016/0.0036	0.0764	2.3122/2.3128	0.7280
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-373S								
Thrust Washer Set		TW-373S MB-2946W		2.3819/2.3917			3.1398/3.1496	0.0930
NOTE: Contains 2 Pieces, Position Number 2, Use With Part Number MS-1603AL								
Connecting Rod		35 Lbs.Ft.						
Main Bearing		47 Lbs.Ft.						



RENAULT (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)									
7	2165CC (2.2L) 8.7 to 1 Compression 4 Cyl (1984-1986)				3.465in./88mm x 3.504in./89mm				7
Rod Bearing(4)	AL-3	CB-1311AL	STD,.25mm		2.2152/2.2160	0.0017/0.0043	0.0725	2.3622/2.3630	0.8170
Main Bearing Set 1-2-3-4-5	AL-3	MS-1604AL MB-2948AL	.25mm		2.4753/2.4761	0.0005/0.0031	0.0742	2.6247/2.6255	0.9250
NOTE: Requires Thrust Washer Set, Not Included									
Connecting Rod	46 Lbs.Ft.								
Main Bearing	69 Lbs.Ft.								
ROILINE/LEROI									
ENGINE DATA									
Engine	Bore & Stroke			Block	Engine	Bore & Stroke			Block
D176 Roiline 176 CID (2.9L) Diesel	3.750in./95.3mmX4.000in./101.6mm			1	D226 Roiline 226 CID (3.7L) Diesel	4.000in./101.6mmX4.500in./114.3mm			1
D201 Roiline 201 CID (3.3L) Diesel	4.000in./101.6mmX4.000in./101.6mm			1					
CONNECTING ROD FORGING NUMBERS									
Forging No.	Stroke	Block	Forging No.	Stroke	Block				
7-68	4.000in./101.6mm	1	7-68	4.500in./114.3mm	1				
CRANKSHAFT FORGING NUMBERS									
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.
5-295	4.000in./101.6mm	1	5-295-S4	4.000in./101.6mm	1	5-354-2	4.500in./114.3mm	1	5-3452
5-295-1	4.000in./101.6mm	1	5-352-2	4.500in./114.3mm	1	5-354-4	4.500in./114.3mm	1	4.500in./114.3mm
5-295-1X	4.000in./101.6mm	1	5-354	4.500in./114.3mm	1	5-2951	4.000in./101.6mm	1	
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL									
1	176 CID (2.9L) D176 Roiline Diesel 4 Cyl				3.750in./95.3mm x 4.000in./101.6mm				1
	201 CID (3.3L) D201 Roiline Diesel 4 Cyl				4.000in./101.6mm x 4.000in./101.6mm				
	226 CID (3.7L) D226 Roiline Diesel 4 Cyl				4.000in./101.6mm x 4.500in./114.3mm				
Rod Bearing(4)	TM-77	CB-526P	STD,2,10,20,30		2.3745/2.3750	0.0014/0.0035	0.0618	2.4995/2.5005	1.4350
Con. Rod Bearing Shim Set 8		SM-118S	STD						
		SM-129			0.0080				
NOTE: Standard Thickness									
Main Bearing Set 1	TM-77	MS-209P	STD,10,20,30		2.4355/2.4365	0.0014/0.0040	0.0932	2.6240/2.6250	1.6250
2-3		MB-366P(F) MB-367P			2.4770/2.4780	0.0018/0.0043	0.0723	2.6240/2.6250	1.7550
NOTE: Contains Semi-Annular Grooved Bearing (standard length) With Notch For Dowel Pin ,Requires Shim Pack .008" Thick On Both Sides Of Connecting Rods And Main Bearings									
Main Bearing Shim Set 2		SM-119S	STD						
4		SM-130 SM-131			0.0080 0.0080				
NOTE: Standard Thickness									
Rod Forging	7-68								
C/S Forging	5-295, 5-354, 5-2951, 5-3452, 5-295-1, 5-352-2, 5-354-2, 5-354-4, 5-295-1X, 5-295-S4								
Connecting Rod	60 Lbs.Ft.								
Main Bearing	150 Lbs.Ft.								



ROSCOE BROWN									
ENGINE DATA									
Engine	Bore & Stroke		Block						
	6 CYL								
6466A John Deere 466 CID (7.6L) Diesel Turbocharged/Intercooled	4.563in./115.9mmX4.750in./120.7mm		1						
MODEL DATA									
Model	Model Type	Engine	Block						
38-10	Trencher	466 CID (7.6L) 6466A John Deere Diesel	1						
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL									
1	466 CID (7.6L) 6466A John Deere Turbocharged/Intercooled Diesel 6 Cyl				4.563in./115.9mm x 4.750in./120.7mm				1
Rod Bearing(6)	TM-112	CB-1267P	STD,10,20,30	2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900	
Main Bearing Set 1-2-3-4-6-7 5	TM-112	MS-1529P MB-2858P MB-2859P	STD,10,20,30	3.3715/3.3725 3.3720/3.3730	0.0020/0.0050 0.0015/0.0045	0.1264 0.1264	3.6270/3.6280 3.6270/3.6280	1.3900 1.6780	
NOTE: Contains 3 Piece Thrust Washer Set, Use In Number 5 Position									
ROVER									
ENGINE DATA									
Engine	Years	Bore & Stroke	Block						
		8 CYL							
3528CC (3.5L) Land Rover	1970-1981	3.500in./88.9mmX2.795in./71mm	1						
MODEL DATA									
Model	Engine	Years	Block	Model	Engine	Years	Block		
Range Rover	3528CC (3.5L) Land Rover	1970-1981	1	Series III	3528CC (3.5L) Land Rover	1980-1981	1		
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL									
1	3528CC (3.5L) Land Rover V8 Cyl (1970-1981)				3.500in./88.9mm x 2.795in./71mm				1
Rod Bearing(8)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420	
Main Bearing Set 1-2-4-5 3	TM-77	MS-558P MB-3135P MB-2075P(F)	STD,10	2.2983/2.2993 2.2983/2.2993	0.0003/0.0033 0.0006/0.0036	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.0580	
Connecting Rod	30 To 45 Lbs.Ft.								
Main Bearing	50 To 55 Lbs.Ft. (Except Rear Bearing Cap)								
Main Bearing	65 To 70 Lbs.Ft. (Rear Bearing Cap)								
SAAB									
ENGINE DATA									
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block		
		4 CYL				4 CYL (Cont.)			
1498CC (1.5L) OHV Ford	1967-1970	3.543in./90mmX2.284in./58mm	1	1985CC (2.0L) B201	1978-1984	3.543in./90mmX3.071in./78mm	3		
1709CC (1.7L) SOHC	1969-1971	3.287in./83.5mmX3.071in./78mm	2	SOHC Turbocharged					
1854CC (1.9L) SOHC	1971-1972	3.425in./87mmX3.071in./78mm	2	1985CC (2.0L) B202	1985-1987	3.543in./90mmX3.071in./78mm	3		
1985CC (2.0L) B20	1973-1980	3.543in./90mmX3.071in./78mm	3	DOHC					
1985CC (2.0L) B201	1972-1988	3.543in./90mmX3.071in./78mm	3	Turbocharged/Intercooled					
SOHC				1985CC (2.0L) B20E	1973-1980	3.543in./90mmX3.071in./78mm	3		
MODEL DATA									
Model	Engine	Years	Block	Model	Engine	Years	Block		
95	1498CC (1.5L) OHV Ford	1967-1970	1	99	1709CC (1.7L) SOHC	1969-1971	2		
96	1498CC (1.5L) OHV Ford	1967-1970	1	99	1854CC (1.9L) SOHC	1971	2		



SAAB (Cont.)								
MODEL DATA (Cont.)								
Model	Engine	Years	Block	Model	Engine	Years	Block	
99	1985CC (2.0L) B201 SOHC	1973-1980	3	900	1985CC (2.0L) B201 SOHC	1979-1984	3	
99	1985CC (2.0L) B201 SOHC	1978	3	900	1985CC (2.0L) B202 DOHC	1985-1987	3	
99	1985CC (2.0L) B20	1973-1980	3	9000	1985CC (2.0L) B202 DOHC	1986-1987	3	
99	1985CC (2.0L) B20E	1973-1980	3	Sonett	1498CC (1.5L) OHV Ford	1968-1969	1	
900	1985CC (2.0L) B201 SOHC	1979-1988	3					
CONNECTING ROD FORGING NUMBERS								
Forging No.	Stroke	Block	Forging No.	Stroke	Block			
.812PIN	3.071in./78mm	2	.875PIN	3.071in./78mm	2			
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	1498CC (1.5L) OHV Ford V4 Cyl (1967-1970)				3.543in./90mm x 2.284in./58mm			1
Rod Bearing(4)	TM-77	CB-723P	STD,10,20,30,40	2.1252/2.1260	0.0004/0.0030	0.0553	2.2370/2.2378	0.6490
Rod Bearing(4)	TM-77	CB-1795P-10	20,30,40	2.1252/2.1260	0.0004/0.0030	0.0563	2.2390/2.2398	0.6490
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Connecting Rod	21 To 25 Lbs.Ft.							
Main Bearing	65 To 75 Lbs.Ft.							
2	1709CC (1.7L) SOHC 4 Cyl (1969-1971) 1854CC (1.9L) SOHC 4 Cyl (1971-1972)				3.287in./83.5mm x 3.071in./78mm 3.425in./87mm x 3.071in./78mm			2
Rod Bearing(4)	AL-3	CB-1015AL	10,20	1.7500/1.7505	0.0010/0.0030	0.0720	1.8955/1.8960	0.7450
Thrust Washer Set		TW-241S MB-689W	STD	2.3700/2.3800			2.8400/2.8500	0.0920
NOTE: Contains 2 Pieces, Position Number 3								
Rod Forging	.812PIN, .875PIN							
Connecting Rod	40 Lbs.Ft.							
Main Bearing	58 Lbs.Ft.							
3	1985CC (2.0L) B20,B20E 4 Cyl (1973-1980) 1985CC (2.0L) B201 SOHC 4 Cyl (1972-1988) 1985CC (2.0L) B201 SOHC Turbocharged 4 Cyl (1978-1984) 1985CC (2.0L) B202 DOHC Turbocharged/Intercooled 4 Cyl (1985-1987)				3.543in./90mm x 3.071in./78mm 3.543in./90mm x 3.071in./78mm 3.543in./90mm x 3.071in./78mm 3.543in./90mm x 3.071in./78mm			3
Rod Bearing(4)	TM-77	CB-1191P	STD,.25mm	2.0468/2.0472	0.0020/0.0048	0.0780	2.2047/2.2054	0.7970
Connecting Rod	40 Lbs.Ft.							
Main Bearing	79 Lbs.Ft.							
SAAB TRUCK								
ENGINE DATA								
Engine	Years	Block	Engine	Years	Block			
6 CYL			8 CYL					
254 CID (4.2L) LL8 Vortec 4200 DOHC 24 Valve Chevrolet	2005-2007	1	325 CID (5.3L) Vortec 5300 Chevrolet V8 Cyl.	2005-2007	2			
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
9-7x	254 CID (4.2L) LL8 Vortec 4200 DOHC 24 Valve Chevrolet	2005-2007	1	9-7x	325 CID (5.3L) Vortec 5300 Chevrolet V8 Cyl.	2005-2007	2	
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
1	254 CID (4.2L) LL8 Vortec 4200 DOHC 24 Valve Chevrolet 6 Cyl (2005-2007)				3.661in./93mm x 4.016in./102mm			1
Rod Bearing(6)	TM-77	CB-1811P	STD,10,20	2.2319/2.2325	0.0002/0.0024	0.0711	2.3749/2.3755	0.8110
Rod Bearing(6)	TM-77	CB-1816P-10	20	2.2319/2.2325	0.0002/0.0024	0.0721	2.3769/2.3775	0.8110
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-3	MS-2224AL	STD,10,20					
1-2-3-4-6-7		MB-3781P		2.7546/2.7552	0.0003/0.0020	0.1592	3.0736/3.0743	0.8141
5		MB-3782P(F)		2.7546/2.7552	0.0003/0.0020	0.1592	3.0736/3.0743	0.9980



SAAB TRUCK (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
1 (Cont.)	254 CID (4.2L) LL8 Vortec 4200 DOHC 24 Valve Chevrolet 6 Cyl (2005-2007)			3.661in./93mm x 4.016in./102mm				1 (Cont.)
Piston Pin Bushing(6)	C-1	223-3664	STD	0.9054/0.9055		0.0540	1.0133/1.0148	0.9350
Piston Pin Bushing(6)	C-1	223-3668	STD	0.9054/0.9055		0.0630	1.0133/1.0148	0.9350
NOTE: Requires Boring								
2	325 CID (5.3L) Vortec 5300 Chevrolet V8 Cyl (2005-2007)			3.780in./96mm x 3.622in./92mm				2
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	TM-77	MS-2199P MB-3591P	STD,10,20,30	2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	0.8050
3		MB-3592P(F)		2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	1.0280
Cam Bearing Set 1-5	B-1	SH-1814S	STD	2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6350
2-4		SH-1814		2.1650/2.1670	0.0011/0.0063	0.0740	2.3161/2.3181	0.6360
3		SH-1816		2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
NOTE: 1997-2002, 2003 1st Design; Positions 1 And 5 Housing Bore is 2.3260"/2.3280"								
Cam Bearing Set 1-5	B-1	SH-1995S	STD	2.1650/2.1670	0.0011/0.0063	0.0890	2.3460/2.3480	0.6350
2-4		SH-1814		2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6360
3		SH-1816		2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
NOTE: 2004-2007, 2003 2nd Design; Positions 1 And 5 Housing Bore is 2.3460"/2.3480"								
Rod Forging	121, 143							
C/S Forging	12552216, 12553482							
SCION								
ENGINE DATA								
Engine	Years		Block					
4 CYL								
2362CC (2.4L) 2AZFE DOHC VVTi 16 Valve Toyota	2005		1					
MODEL DATA								
Model	Engine	Years	Block					
tC	2362CC (2.4L) 2AZFE DOHC VVTi 16 Valve Toyota	2005	1					
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	2362CC (2.4L) 2AZFE DOHC VVTi 16 Valve Toyota 4 Cyl (2005)			3.484in./88.5mm x 3.780in./96mm				1
Rod Bearing(4)	AL-3	CB-1835AL	STD,.25mm,.50mm	1.8894/1.8898	0.0010	0.0588	2.0079/2.0087	0.6140
Main Bearing Set 1-5	AL-3	MS-2243AL MB-3819ALU	STD,.25mm,.50mm	2.1648/2.1654	0.0005	0.0786	2.3228/2.3235	0.6690
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-619S								
Thrust Washer Set		TW-619S	STD				3.0610/3.0709	0.0780
		MB-3821W		2.3819/2.3917				
NOTE: Contains 2 Pieces, Use With Part Number MS-2243AL								



STERLING								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
6 CYL				6 CYL (Cont.)				
2494CC (2.5L) C25A1 SOHC Honda	1987-1988	3.307in./84mmX2.953in./75mm	1	2675CC (2.7L) C27A1 SOHC Honda	1988-1991	3.425in./87mmX2.953in./75mm	1	
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
825	2494CC (2.5L) C25A1 SOHC Honda	1987-1988	1	827	2675CC (2.7L) C27A1 SOHC Honda	1988-1991	1	
CONNECTING ROD FORGING NUMBERS								
Forging No.	Stroke	Block						
PH7	2.953in./75mm	1						
CRANKSHAFT FORGING NUMBERS								
Forging No.	Stroke	Block						
4434	2.953in./75mm	1						
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
1	2494CC (2.5L) C25A1 SOHC Honda V6 Cyl (1987-1988) 2675CC (2.7L) C27A1 SOHC Honda V6 Cyl (1988-1991)				3.307in./84mm x 2.953in./75mm 3.425in./87mm x 2.953in./75mm			1
Rod Bearing(6)	TM-1	CB-1457P	STD .25mm	2.0463/2.0472	0.0010/0.0020	0.0592	2.1654/2.1663	0.6890
Main Bearing Set 1-2-3-4	TM-1	MS-1805P MB-3177P	STD	2.5187/2.5197	0.0009/0.0019	0.0787	2.6772/2.6781	0.7870
NOTE: California Emission Thru Engine Serial Number 2001033,Except California Emission Thru Engine Serial Number 2502726, Requires Thrust Washer Set, Not Included								
Rod Forging	PH7							
C/S Forging	4434							
Connecting Rod	33 Lbs.Ft.							
Main Bearing	29 Lbs.Ft. (9mm Bolts)							
Main Bearing	36 Lbs.Ft. (2494CC (2.5L) C25A1 SOHC,2675CC (2.7L) C27A1 SOHC)							
Main Bearing	41 Lbs.Ft. (1989-1989, 2494CC (2.5L) C25A1 SOHC,2675CC (2.7L) C27A1 SOHC)							
Main Bearing	48 Lbs.Ft. (1990-1991, 2675CC (2.7L) C27A1 SOHC)							
Main Bearing	50 Lbs.Ft. (1986-1988, 2494CC (2.5L) C25A1 SOHC)							
Main Bearing	50 Lbs.Ft. (1988-1988, 2675CC (2.7L) C27A1 SOHC)							
STUDEBAKER								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
6 CYL				8 CYL (Cont.)				
169 CID (2.8L)	1941-1954	3.000in./76.2mmX4.000in./101.6mm	1	289 CID (4.7L)	1956-1964	3.563in./90.5mmX3.625in./92.1mm	3	
170 CID (2.8L) L-Head	1941-1964	3.000in./76.2mmX4.000in./101.6mm	1	289 CID (4.7L) OHV	1956-1964	3.563in./90.5mmX3.625in./92.1mm	3	
186 CID (3.0L) L-Head	1955-1958	3.000in./76.2mmX4.375in./111.1mm	1	289 CID (4.7L) OHV	1957-1964	3.563in./90.5mmX3.625in./92.1mm	3	
194 CID (3.2L) Chevrolet	1965-1966	3.563in./90.5mmX3.250in./82.6mm	2	Supercharged				
230 CID (3.8L) Chevrolet	1966	3.875in./98.4mmX3.250in./82.6mm	2	289 CID (4.7L) R1	1963-1964	3.563in./90.5mmX3.625in./92.1mm	3	
8 CYL				289 CID (4.7L) R2	1963-1964	3.563in./90.5mmX3.625in./92.1mm	3	
224 CID (3.7L) OHV	1955-1956	3.563in./90.5mmX2.813in./71.5mm	3	Supercharged				
232 CID (3.8L) OHV	1951-1954	3.375in./85.7mmX3.250in./82.6mm	3	304 CID (5.0L)	1964	3.656in./92.9mmX3.625in./92.1mm	3	
259 CID (4.2L) OHV	1955-1964	3.563in./90.5mmX3.250in./82.6mm	3	304 CID (5.0L) R3	1964	3.656in./92.9mmX3.625in./92.1mm	3	
283 CID (4.6L) Chevrolet	1965-1966	3.875in./98.4mmX3.000in./76.2mm	4	Supercharged				
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
2E5 Transtar	186 CID (3.0L) L-Head	1956	1	2R5	170 CID (2.8L) L-Head	1949-1953		
2E7	224 CID (3.7L) OHV	1956	3	2R10	170 CID (2.8L) L-Head	1949-1953	1	
2E12	224 CID (3.7L) OHV	1955-1957	3	2R15	170 CID (2.8L) L-Head	1949-1953	1	
2E13 Transtar	259 CID (4.2L) OHV	1956	3	3E1 Scotsman	186 CID (3.0L) L-Head	1958	1	
2E28	259 CID (4.2L) OHV	1954-1957	3	3E5 Transtar	186 CID (3.0L) L-Head	1957-1958	1	
2E38	259 CID (4.2L) OHV	1954-1957	3	3E7	259 CID (4.2L) OHV	1957-1958	3	



STUDEBAKER (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
3E12	259 CID (4.2L) OHV	1955-1958	3	8E28 Transtar	289 CID (4.7L) OHV	1963-1964	3
3E13	259 CID (4.2L) OHV	1957-1958	3	8E40	289 CID (4.7L) OHV	1963-1964	3
3E28 Transtar	259 CID (4.2L) OHV	1957-1958	3		169 CID (2.8L)	1941-1954	1
3E38	259 CID (4.2L) OHV	1954-1958	3		170 CID (2.8L) L-Head	1959-1964	1
3E40 Transtar	289 CID (4.7L) OHV	1957-1958	3		186 CID (3.0L) L-Head	1955-1958	1
3R5	170 CID (2.8L) L-Head	1954	1		194 CID (3.2L) Chevrolet	1965-1966	2
3R10	170 CID (2.8L) L-Head	1954	1		224 CID (3.7L) OHV	1955-1956	3
4E1	170 CID (2.8L) L-Head	1959	1		230 CID (3.8L) Chevrolet	1966	2
4E2 Scotsman	259 CID (4.2L) OHV	1959	3		259 CID (4.2L) OHV	1955-1964	3
4E7 Deluxe	259 CID (4.2L) OHV	1959	3		283 CID (4.6L) Chevrolet	1965-1966	4
4E7 Deluxe	289 CID (4.7L) OHV	1959	3		289 CID (4.7L)	1956-1964	3
4E12 Deluxe	259 CID (4.2L) OHV	1959	3		304 CID (5.0L)	1964	3
4E12 Deluxe	289 CID (4.7L) OHV	1959	3	Avanti	289 CID (4.7L) R1	1963-1964	3
4E13 Deluxe	259 CID (4.2L) OHV	1959	3	Avanti	289 CID (4.7L) R2	1963-1964	3
4E13 Deluxe	289 CID (4.7L) OHV	1959	3	Avanti	304 CID (5.0L) R3	1964	3
4E28 Transtar	259 CID (4.2L) OHV	1959	3	Champion	170 CID (2.8L) L-Head	1941-1954	1
4E28 Transtar	289 CID (4.7L) OHV	1959	3	Champion	186 CID (3.0L) L-Head	1955-1958	1
4E40 Deluxe	289 CID (4.7L) OHV	1959	3	Commander	194 CID (3.2L) Chevrolet	1965-1966	2
5E5	170 CID (2.8L) L-Head	1960	1	Commander	224 CID (3.7L) OHV	1955	3
5E7 Champ	259 CID (4.2L) OHV	1960	3	Commander	230 CID (3.8L) Chevrolet	1966	2
5E7 Champ	289 CID (4.7L) OHV	1960	3	Commander	232 CID (3.8L) OHV	1951-1954	3
5E12 Champ	259 CID (4.2L) OHV	1960	3	Commander	259 CID (4.2L) OHV	1955-1957	3
5E12 Champ	289 CID (4.7L) OHV	1960	3	Commander	283 CID (4.6L) Chevrolet	1965-1966	4
5E13 Transtar	259 CID (4.2L) OHV	1960	3	Cruiser	194 CID (3.2L) Chevrolet	1965-1966	2
5E13 Transtar	289 CID (4.7L) OHV	1960	3	Daytona	194 CID (3.2L) Chevrolet	1966	2
5E28 Transtar	259 CID (4.2L) OHV	1960	3	Daytona	230 CID (3.8L) Chevrolet	1966	2
5E28 Transtar	289 CID (4.7L) OHV	1960	3	Daytona	283 CID (4.6L) Chevrolet	1965-1966	4
5E40	289 CID (4.7L) OHV	1960	3	E5	186 CID (3.0L) L-Head	1955	1
6E7 Champ	259 CID (4.2L) OHV	1961	3	E7	224 CID (3.7L) OHV	1955	3
6E7 Champ	289 CID (4.7L) OHV	1961	3	E10	186 CID (3.0L) L-Head	1955	1
6E12 Champ	259 CID (4.2L) OHV	1961	3	E12	224 CID (3.7L) OHV	1955	3
6E12 Champ	289 CID (4.7L) OHV	1961	3	E13	224 CID (3.7L) OHV	1955	3
6E13 Transtar	259 CID (4.2L) OHV	1961	3	E28	259 CID (4.2L) OHV	1955	3
6E13 Transtar	289 CID (4.7L) OHV	1961	3	E38	259 CID (4.2L) OHV	1955	3
6E28 Transtar	259 CID (4.2L) OHV	1961	3	Golden Hawk	289 CID (4.7L) OHV	1957-1958	3
6E28 Transtar	289 CID (4.7L) OHV	1961	3	Grand Turismo Hawk	289 CID (4.7L) OHV	1962-1964	3
6E40 Transtar	289 CID (4.7L) OHV	1961	3	Grand Turismo Hawk	289 CID (4.7L) OHV	1962-1964	3
7E7 Champ	259 CID (4.2L) OHV	1962	3	Hawk	259 CID (4.2L) OHV	1960-1961	3
7E7 Champ	289 CID (4.7L) OHV	1962	3	Hawk	289 CID (4.7L) OHV	1961	3
7E12 Champ	259 CID (4.2L) OHV	1962	3	Hawk	289 CID (4.7L) OHV	1958	3
7E12 Champ	289 CID (4.7L) OHV	1962	3	Lark	259 CID (4.2L) OHV	1959-1964	3
7E13 Transtar	259 CID (4.2L) OHV	1962	3	Lark	289 CID (4.7L) OHV	1961-1964	3
7E13 Transtar	289 CID (4.7L) OHV	1962	3	M5 Coupe-Express	170 CID (2.8L) L-Head	1941-1942	1
7E28 Transtar	259 CID (4.2L) OHV	1962	3	Packard	289 CID (4.7L) OHV	1958	3
7E28 Transtar	289 CID (4.7L) OHV	1962	3	President	259 CID (4.2L) OHV	1955	3
7E40	289 CID (4.7L) OHV	1962	3	President	289 CID (4.7L) OHV	1956-1958	3
8E7 Champ	259 CID (4.2L) OHV	1963-1964	3	Silver Hawk	259 CID (4.2L) OHV	1959	3
8E7 Champ	289 CID (4.7L) OHV	1963-1964	3	Silver Hawk	289 CID (4.7L) OHV	1957-1961	3
8E12 Champ	259 CID (4.2L) OHV	1963-1964	3	Skyhawk	289 CID (4.7L) OHV	1956	3
8E12 Champ	289 CID (4.7L) OHV	1963-1964	3	Wagonaire	194 CID (3.2L) Chevrolet	1966	2
8E13 Transtar	259 CID (4.2L) OHV	1963-1964	3	Wagonaire	230 CID (3.8L) Chevrolet	1966	2
8E13 Transtar	289 CID (4.7L) OHV	1963-1964	3	Wagonaire	283 CID (4.6L) Chevrolet	1966	4
8E28 Transtar	259 CID (4.2L) OHV	1963-1964	3				

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
207	3.250in./82.6mm	3	199829	4.000in./101.6mm	1	3182749	3.250in./82.6mm	3	3788437	3.250in./82.6mm	2
338	3.250in./82.6mm	3	517892	4.000in./101.6mm	1	3703526	3.000in./76.2mm	4	3815281	3.000in./76.2mm	4
707	3.250in./82.6mm	3	3172341	3.250in./82.6mm	3	3703527	3.000in./76.2mm	4	3837419	3.250in./82.6mm	2
8436	3.250in./82.6mm	2	3173210	3.250in./82.6mm	3	3784000	3.000in./76.2mm	4	3977110	3.250in./82.6mm	2
195123	4.000in./101.6mm	1	3180444	3.250in./82.6mm	3	3788435	3.250in./82.6mm	2	9793328	3.250in./82.6mm	2

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1178	3.000in./76.2mm	4	176524	4.000in./101.6mm	1	189986	4.000in./101.6mm	1	521526	4.000in./101.6mm	1
3279	3.000in./76.2mm	4	180590	3.625in./92.1mm	3	195111	4.000in./101.6mm	1	526831	3.250in./82.6mm	3
6764	3.000in./76.2mm	4	186433	4.000in./101.6mm	1	199966	4.000in./101.6mm	1	526832	3.250in./82.6mm	3
8424	3.250in./82.6mm	2	189517	4.000in./101.6mm	1	521525	4.000in./101.6mm	1	526956	3.625in./92.1mm	3



STUDEBAKER (Cont.)

CRANKSHAFT FORGING NUMBERS (Cont.)

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
530081	3.250in./82.6mm	3	1550774	4.000in./101.6mm	1	3727449	3.000in./76.2mm	4	3836266	3.000in./76.2mm	4
533439	2.813in./71.5mm	3	3160035	3.250in./82.6mm	3	3727499	3.000in./76.2mm	4	3837266	3.000in./76.2mm	4
534231	4.375in./111.1mm	1	3169034	3.250in./82.6mm	3	3729449	3.000in./76.2mm	4	3838266	3.000in./76.2mm	4
534251	4.375in./111.1mm	1	3172218	3.250in./82.6mm	3	3734627	3.000in./76.2mm	4	3849847	3.000in./76.2mm	4
534254	4.375in./111.1mm	1	3172218R	3.250in./82.6mm	3	3735236	3.000in./76.2mm	4	3864465	3.250in./82.6mm	2
534521	4.375in./111.1mm	1	3188945	3.250in./82.6mm	3	3788423	3.250in./82.6mm	2	3876764	3.000in./76.2mm	4
535377	4.375in./111.1mm	1	3188947	3.250in./82.6mm	3	3788424	3.250in./82.6mm	2	3876768	3.000in./76.2mm	4
536452	3.250in./82.6mm	3	3204904	3.250in./82.6mm	3	3788428	3.250in./82.6mm	2	3899424	3.250in./82.6mm	2
537424	3.625in./92.1mm	3	3208627	3.250in./82.6mm	3	3820618	3.250in./82.6mm	2	5743013	3.250in./82.6mm	2
908292	4.000in./101.6mm	1	3208794	3.250in./82.6mm	3	3835236TG	3.000in./76.2mm	4	9782279	3.250in./82.6mm	2
1547105	4.000in./101.6mm	1	3214722	3.250in./82.6mm	3	3836236	3.000in./76.2mm	4			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

6 CYL

1	169 CID (2.8L) 6 Cyl (1941-1954)			3.000in./76.2mm x 4.000in./101.6mm				1
	170 CID (2.8L) L-Head 6 Cyl (1941-1964)			3.000in./76.2mm x 4.000in./101.6mm				
	186 CID (3.0L) L-Head 6 Cyl (1955-1958)			3.000in./76.2mm x 4.375in./111.1mm				

Rod Bearing(6)	TM-77	CB-286P	STD,10	1.8117/1.8127	0.0006/0.0027	0.0566	1.9260/1.9265	0.9100
NOTE: Early Original Equipment Babbitted Connecting Rods Can Be Replaced With Later Insert Type Connecting Rods								

Rod Forging	195123, 199829, 517892							
C/S Forging	176524, 186433, 189517, 189986, 195111, 199966, 521525, 521526, 526231, 534251, 534254, 534521, 535377, 908292, 1547105, 1550774							

Connecting Rod	28 To 32 Lbs.Ft.							
Main Bearing	85 To 95 Lbs.Ft.							

2	194 CID (3.2L) Chevrolet 6 Cyl (1965-1966)			3.563in./90.5mm x 3.250in./82.6mm				2
	230 CID (3.8L) Chevrolet 6 Cyl (1966)			3.875in./98.4mm x 3.250in./82.6mm				

Rod Bearing(6)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-617P	STD,1,10,20,30,40					
1-2-3-4-5-6		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	0.8070
7		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Cam Bearing Set	AL-3	SH-399S	STD,10					
1-4		SH-399		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
2-3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700

Rod Forging	8436, 3788435, 3788437, 3837419, 3977110, 9793328							
C/S Forging	8424, 3788423, 3788424, 3788428, 3820618, 38364465, 3899424, 5743013, 9782279							

Connecting Rod	30 To 35 Lbs.Ft. (194 CID (3.2L)							
Connecting Rod	35 To 45 Lbs.Ft. (230 CID (3.8L)							
Main Bearing	60 To 70 Lbs.Ft.							

8 CYL

3	224 CID (3.7L) OHV V8 Cyl (1955-1956)			3.563in./90.5mm x 2.813in./71.5mm				3
	232 CID (3.8L) OHV V8 Cyl (1951-1954)			3.375in./85.7mm x 3.250in./82.6mm				
	259 CID (4.2L) OHV V8 Cyl (1955-1964)			3.563in./90.5mm x 3.250in./82.6mm				
	289 CID (4.7L) OHV V8 Cyl (1956-1964)			3.563in./90.5mm x 3.625in./92.1mm				
	289 CID (4.7L) OHV Supercharged V8 Cyl (1957-1964)			3.563in./90.5mm x 3.625in./92.1mm				
	289 CID (4.7L) R1 V8 Cyl (1963-1964)			3.563in./90.5mm x 3.625in./92.1mm				
	289 CID (4.7L) R2 Supercharged V8 Cyl (1963-1964)			3.563in./90.5mm x 3.625in./92.1mm				
	304 CID (5.0L) V8 Cyl (1964)			3.656in./92.9mm x 3.625in./92.1mm				
	304 CID (5.0L) R3 Supercharged V8 Cyl (1964)			3.656in./92.9mm x 3.625in./92.1mm				

Rod Bearing(8)	TM-77	CB-361P	STD,10	1.9992/2.0002	0.0005/0.0030	0.0565	2.1135/2.1140	0.8480

Rod Forging	207, 338, 707, 195123, 199829, 517892, 3172341, 3173210, 3180444, 3182749							
C/S Forging	180590, 526831, 526832, 526956, 530081, 533439, 536452, 537424, 3160035, 3169034, 3172218, 3188945, 3188947, 3204904, 3208627, 3208794, 3214722, 3172218R							

Connecting Rod	52 To 54 Lbs.Ft.							
Main Bearing	85 To 95 Lbs.Ft.							



STUDEBAKER (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
4	283 CID (4.6L) Chevrolet V8 Cyl (1965-1966)			3.875in./98.4mm x 3.000in./76.2mm					4
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9992/2.0002	0.0005/0.0030	0.0565	2.1135/2.1140	0.8480	
Main Bearing Set 1-2-3-4 5	TM-77	MS-429P MB-3135P MB-1769P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2978/2.2988	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180	
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500	
Rod Forging C/S Forging	3703526, 3703527, 3784000, 3815281 1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764 , 3876768, 3835236TG								
Connecting Rod	35 Lbs.Ft. (11/32 " Bolts)								
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)								
Main Bearing	60 To 70 Lbs.Ft.								
SUBARU									
ENGINE DATA									
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block		
3 CYL				4 CYL (Cont.)					
997CC (1.0L) EF10	1983-1990	3.071in./78mmX2.756in./70mm	1	1781CC (1.8L) EA82T	1985-1990	3.622in./92mmX2.638in./67mm	5		
1189CC (1.2L) EF12	1987-1994	3.071in./78mmX2.874in./73mm	1	OHC Turbo Turbocharged					
4 CYL				1820CC (1.8L) EJ18E	1993-1997	3.461in./87.9mmX2.953in./75mm	6		
1088CC (1.1L) EA61	1971	2.992in./76mmX2.362in./60mm	2	2212CC (2.2L) EJ222	1999-2001	3.815in./96.9mmX2.953in./75mm	6		
1267CC (1.3L) EA62	1972	3.208in./81.5mmX2.362in./60mm	3	2212CC (2.2L) EJ223	1999-2001	3.815in./96.9mmX2.953in./75mm	6		
1361CC (1.4L) EA63	1973-1976	3.347in./85mmX2.362in./60mm	3	2212CC (2.2L) EJ22E	1990-1998	3.815in./96.9mmX2.953in./75mm	6		
1595CC (1.6L) EA71	1976-1988	3.622in./92mmX2.362in./60mm	4	2212CC (2.2L) EJ22EZ	1996-1998	3.815in./96.9mmX2.953in./75mm	6		
1781CC (1.8L) EA81 OHV	1980-1989	3.622in./92mmX2.638in./67mm	5	2212CC (2.2L) EJ22T	1991-1994	3.815in./96.9mmX2.953in./75mm	6		
1781CC (1.8L) EA81T Turbo Turbocharged	1983-1984	3.622in./92mmX2.638in./67mm	5	Turbo Turbocharged					
1781CC (1.8L) EA82C OHC	1985-1987	3.622in./92mmX2.638in./67mm	5	2457CC (2.5L) EJ25D/EJ25DZ DOHC	1996-2004	3.917in./99.5mmX3.110in./79mm	6		
1781CC (1.8L) EA82S OHC	1985-1994	3.622in./92mmX2.638in./67mm	5	6 CYL					
				2672CC (2.7L) ER27	1988-1991	3.622in./92mmX2.638in./67mm	7		
MODEL DATA									
Model	Engine	Years	Block	Model	Engine	Years	Block		
1300	1267CC (1.3L) EA62	1972	3	Impreza	2212CC (2.2L) EJ22E	1993-1997	6		
1400	1361CC (1.4L) EA63	1973-1976	3	Impreza	2212CC (2.2L) EJ222	1999-2001	6		
1600	1595CC (1.6L) EA71	1976-1987	4	Impreza	2212CC (2.2L) EJ223	1999-2001	6		
1800	1781CC (1.8L) EA81 OHV	1980-1989	5	Impreza	2457CC (2.5L) EJ25D/EJ25DZ DOHC	1998	6		
1800	1781CC (1.8L) EA81T Turbo	1983-1984	5						
1800	1781CC (1.8L) EA82C OHC	1985-1987	5	Justy	1189CC (1.2L) EF12	1987-1994	1		
1800	1781CC (1.8L) EA82T OHC	1985-1989	5	Legacy	2212CC (2.2L) EJ22E	1990-1998	6		
	Turbo			Legacy	2212CC (2.2L) EJ22T Turbo	1991-1994	6		
1800	1781CC (1.8L) EA82S OHC	1985-1989	5	Legacy	2212CC (2.2L) EJ22EZ	1996-1998	6		
	997CC (1.0L) EF10	1983-1990	1	Legacy	2457CC (2.5L) EJ25D/EJ25DZ DOHC	1996-1999	6		
Brat	1595CC (1.6L) EA71	1976-1980	4						
Brat	1781CC (1.8L) EA81T Turbo	1983-1984	5	Loyale	1781CC (1.8L) EA82T OHC Turbo	1990	5		
Brat	1781CC (1.8L) EA81 OHV	1981-1988	5						
Chaser	1781CC (1.8L) EA81 OHV	1987-1989	5	Loyale	1781CC (1.8L) EA82S OHC	1990-1994	5		
FF-1 Star	1088CC (1.1L) EA61	1971	2	XT	1781CC (1.8L) EA82T OHC	1985-1987	5		
Forester	2457CC (2.5L) EJ25D/EJ25DZ DOHC	1998	6		Turbo				
				XT	1781CC (1.8L) EA82S OHC	1985-1991	5		
Impreza	1820CC (1.8L) EJ18E	1993-1997	6	XT	2672CC (2.7L) ER27	1988-1991	7		



SUBARU (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL								
1	997CC (1.0L) EF10 3 Cyl (1983-1990) 1189CC (1.2L) EF12 3 Cyl (1987-1994)			3.071in./78mm x 2.756in./70mm 3.071in./78mm x 2.874in./73mm				1
Rod Bearing(3)	TM-1	CB-1469P	STD.,.25mm,.50mm	1.6531/1.6535	0.0008/0.0030	0.0587	1.7717/1.7723	0.5960
Main Bearing Set 1-2-3	TM-1	MS-2003P MB-3459P	STD.,.25mm,.50mm	1.6525/1.6530	0.0008/0.0024	0.0594	1.7717/1.7723	0.7930
4		MB-3460P(F)		1.6525/1.6530	0.0008/0.0024	0.0594	1.7717/1.7723	0.9830
Connecting Rod	29 To 33 Lbs.Ft.							
Main Bearing	30 To 35 Lbs.Ft.							
4 CYL								
2	1088CC (1.1L) EA61 4 Cyl (1971)			2.992in./76mm x 2.362in./60mm				2
Main Bearing Set 1-3	TM-1	MS-2083P MB-2739P	STD.,.25mm	1.9667/1.9673	0.0008/0.0033	0.0791	2.1260/2.1267	0.8270
2		MB-3579P(F)		1.9667/1.9673	0.0008/0.0033	0.0791	2.1260/2.1267	1.0220
NOTE: All Sizes Contain Standard Length Flanged Bearing								
3	1267CC (1.3L) EA62 4 Cyl (1972) 1361CC (1.4L) EA63 4 Cyl (1973-1976)			3.208in./81.5mm x 2.362in./60mm 3.347in./85mm x 2.362in./60mm				3
Rod Bearing(4)	TM-1	CB-1217P	STD.,.25mm,.50mm,.75mm	1.7712/1.7717	0.0008/0.0033	0.0585	1.8898/1.8904	0.5510
Main Bearing Set 1-3	TM-1	MS-2083P MB-2739P	STD.,.25mm	1.9667/1.9673	0.0008/0.0033	0.0791	2.1260/2.1267	0.8270
2		MB-3579P(F)		1.9667/1.9673	0.0008/0.0033	0.0791	2.1260/2.1267	1.0220
NOTE: All Sizes Contain Standard Length Flanged Bearing								
Connecting Rod	29 To 31 Lbs.Ft. (1361CC (1.4L) EA63)							
Connecting Rod	36 Lbs.Ft. (1267CC (1.3L) EA62)							
Main Bearing	22 Lbs.Ft.							
4	1595CC (1.6L) EA71 4 Cyl (1976-1988)			3.622in./92mm x 2.362in./60mm				4
Rod Bearing(4)	TM-1	CB-1217P	STD.,.25mm,.50mm,.75mm	1.7712/1.7717	0.0008/0.0033	0.0585	1.8898/1.8904	0.5510
Main Bearing Set 1-3	TM-1	MS-1572P MB-2739P	STD.,.25mm	1.9667/1.9673	0.0008/0.0033	0.0791	2.1260/2.1267	0.8270
2		MB-2891P(F)		1.9672/1.9678	0.0008/0.0033	0.0791	2.1260/2.1267	1.0220
NOTE: From 10/78, .25mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing								
Main Bearing Set 1-3	TM-1	MS-2083P MB-2739P	STD.,.25mm	1.9667/1.9673	0.0008/0.0033	0.0791	2.1260/2.1267	0.8270
2		MB-3579P(F)		1.9667/1.9673	0.0008/0.0033	0.0791	2.1260/2.1267	1.0220
NOTE: Thru 9/78, All Sizes Contain Standard Length Flanged Bearing								
Main Bearing Set 1-3	TM-1	MS-2084P-.25mm MB-2739P		1.9667/1.9673	0.0008/0.0033	0.0791	2.1260/2.1267	0.8270
2		MB-3580P(F)		1.9672/1.9678	0.0008/0.0033	0.0791	2.1260/2.1267	1.0220
NOTE: From 10/78, All Sizes Contain Standard Length Flanged Bearing								
Connecting Rod	29 To 31 Lbs.Ft.							
Main Bearing	19 Lbs.Ft. (8mm Bolts)							
Main Bearing	35 Lbs.Ft. (1595CC (1.6L) EA71,1595CC (1.6L) EA71)							
Main Bearing	4 Lbs.Ft. (6mm Bolts)							
5	1781CC (1.8L) EA81 OHV 4 Cyl (1980-1989) 1781CC (1.8L) EA81T Turbo Turbocharged 4 Cyl (1983-1984) 1781CC (1.8L) EA82C OHC 4 Cyl (1985-1987) 1781CC (1.8L) EA82S OHC 4 Cyl (1985-1994) 1781CC (1.8L) EA82T OHC Turbo Turbocharged 4 Cyl (1985-1990)			3.622in./92mm x 2.638in./67mm 3.622in./92mm x 2.638in./67mm 3.622in./92mm x 2.638in./67mm 3.622in./92mm x 2.638in./67mm 3.622in./92mm x 2.638in./67mm				5
Rod Bearing(4)	TM-1	CB-1217P	STD.,.25mm,.50mm,.75mm	1.7712/1.7717	0.0008/0.0033	0.0585	1.8898/1.8904	0.5510
Main Bearing Set 1-3	AL-3	MS-1571AL MB-2889AL	STD.,.25mm,.50mm,.75mm	2.1637/2.1642	0.0007/0.0028	0.0795	2.3226/2.3232	0.8270
2		MB-2890AL(F)		2.1637/2.1642	0.0007/0.0028	0.0795	2.3226/2.3232	1.0220
NOTE: .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm Undersize Set Contains .25mm Oversize Length Flanged Bearing								
Connecting Rod	29 To 31 Lbs.Ft.							
Main Bearing	17 To 20 Lbs.Ft. (8mm Bolts)							
Main Bearing	29 To 35 Lbs.Ft. (1781CC (1.8L) EA81 OHV,1781CC (1.8L) EA81 OHV,1781CC (1.8L) EA81T Turbo, 1781CC (1.8L) EA82C OHC,1781CC (1.8L) EA82S OHC,1781CC (1.8L) EA82T OHC Turbo)							
Main Bearing	3 To 4 Lbs.Ft. (6mm Bolts)							



SUBARU (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
6	1820CC (1.8L) EJ18E 4 Cyl (1993-1997)				3.461in./87.9mm x 2.953in./75mm				6
	2212CC (2.2L) EJ22E 4 Cyl (1990-1998)				3.815in./96.9mm x 2.953in./75mm				
	2212CC (2.2L) EJ22EZ 4 Cyl (1996-1998)				3.815in./96.9mm x 2.953in./75mm				
	2212CC (2.2L) EJ22T Turbo Turbocharged 4 Cyl (1991-1994)				3.815in./96.9mm x 2.953in./75mm				
	2212CC (2.2L) EJ222,EJ223 4 Cyl (1999-2001)				3.815in./96.9mm x 2.953in./75mm				
2457CC (2.5L) EJ25/EJ25D/EJ25DZ DOHC 4 Cyl (1996-2004)				3.917in./99.5mm x 3.110in./79mm					
Rod Bearing(4) TM-1 CB-1657AL STD.,25mm,.50mm NOTE: For 52mm Shaft Size Engines				2.0466/2.0472	0.0006/0.0017		2.1648/2.1652		
Rod Bearing(4) TM-1 CB-1850P STD.,25mm,.50mm NOTE: For 48mm Shaft Size Engines				1.8898		0.0590	2.0079	0.6154	
Main Bearing Set AL-3 MS-2062AL STD.,25mm,.50mm									
1-5 MB-3552ALA				2.3616/2.3622	0.0004/0.0012	0.0791	2.5187/2.5197	0.5910	
2-4 MB-3552ALB				2.3616/2.3622	0.0004/0.0012	0.0791	2.5187/2.5197	0.7480	
3 MB-3553AL(F)				2.3616/2.3622	0.0004/0.0012	0.0791	2.5187/2.5197	0.8640	
NOTE: For Engines With Thrust Bearing in Number 3 Position									
Main Bearing Set AL-3 MS-2258AL STD.,25mm,.50mm									
1-3 MB-3552ALA				2.3616/2.3622	0.0004/0.0012	0.0791	2.5187/2.5197	0.5910	
2-4 MB-3552ALB				2.3616/2.3622	0.0004/0.0012	0.0791	2.5187/2.5197	0.7480	
5 MB-3840AL(F)				2.3622		0.0791	2.5197	0.9031	
NOTE: For Engines With Thrust Bearing In Number 5 Position									
Connecting Rod 32 To 34 Lbs.Ft.									
Main Bearing 17 To 20 Lbs.Ft.									
6 CYL									
7	2672CC (2.7L) ER27 6 Cyl (1988-1991)				3.622in./92mm x 2.638in./67mm				7
Rod Bearing(6) AL-3 CB-1470AL STD.,25mm				1.7715/1.7720	0.0004/0.0039	0.0587	1.8898/1.8904	0.5760	
Connecting Rod 29 To 31 Lbs.Ft.									
SULLAIR CORPORATION									
ENGINE DATA									
Engine		Bore & Stroke		Block					
6466A John Deere 466 CID (7.6L)		4.563in./115.9mmX4.750in./120.7mm		1					
Diesel Turbocharged/Intercooled									
MODEL DATA									
Model	Model Type	Engine	Block						
150KW	Power Unit	466 CID (7.6L) 6466A John Deere Diesel	1						
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL									
1	466 CID (7.6L) 6466A John Deere Turbocharged/Intercooled Diesel 6 Cyl				4.563in./115.9mm x 4.750in./120.7mm				1
Rod Bearing(6) TM-112 CB-1267P STD,10,20,30				2.9980/2.9990	0.0015/0.0045	0.0955	3.1910/3.1920	1.3900	
Main Bearing Set TM-112 MS-1529P STD,10,20,30									
1-2-3-4-6-7 MB-2858P				3.3715/3.3725	0.0020/0.0050	0.1264	3.6270/3.6280	1.3900	
5 MB-2859P				3.3720/3.3730	0.0015/0.0045	0.1264	3.6270/3.6280	1.6780	
NOTE: Contains 3 Piece Thrust Washer Set, Use In Number 5 Position									



SUPERIOR DIESEL									
ENGINE DATA									
Engine	Bore & Stroke			Block	Engine	Bore & Stroke			Block
6G825 4948 CID (81.1L) Diesel	10.000in./254mmX10.500in./266.7mm			1	12G825 9896 CID (162L) Diesel 12G825SGT 9896 CID (162L) Diesel Turbocharged 16G825 13195 CID (216L) Diesel 16G825SGT 13195 CID (216L) Diesel Turbocharged	12 CYL			3
6G825T 4948 CID (81.1L) Diesel Turbocharged	10.000in./254mmX10.500in./266.7mm			1		10.000in./254mmX10.500in./266.7mm			3
PTD-6 3575 CID (59L) Diesel	8.500in./215.9mmX10.500in./266.7mm			1		16 CYL			
PTL-6 3575 CID (59L) Diesel	8.500in./215.9mmX10.500in./266.7mm			1		10.000in./254mmX10.500in./266.7mm			4
	8 CYL								
8G825 6597 CID (108L) Diesel	10.000in./254mmX10.500in./266.7mm			2		10.000in./254mmX10.500in./266.7mm			4
8G825T 6597 CID (108L) Diesel Turbocharged	10.000in./254mmX10.500in./266.7mm			2		10.000in./254mmX10.500in./266.7mm			4
PTD-8 4767 CID (78L) Diesel	8.500in./215.9mmX10.500in./266.7mm			2					
PTL-8 4767 CID (78L) Diesel	8.500in./215.9mmX10.500in./266.7mm			2					
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL									
1	3575 CID (59L) PTD-6,PTL-6 Diesel 6 Cyl 4948 CID (81.1L) 6G825 Diesel 6 Cyl 4948 CID (81.1L) 6G825T Turbocharged Diesel 6 Cyl				8.500in./215.9mm x 10.500in./266.7mm 10.000in./254mm x 10.500in./266.7mm 10.000in./254mm x 10.500in./266.7mm				1
Rod Bearing(6)	TM-112	CB-1069P(L)	STD		5.7490/5.7510	0.0043/0.0079	0.1856	6.1250/6.1260	3.6300
NOTE: Dowel Pin Type Connecting Rods, Only Sold Separately, Lower									
Rod Bearing(6)	TM-112	CB-1069P(U)	STD		5.7490/5.7510	0.0043/0.0079	0.1856	6.1250/6.1260	3.6300
NOTE: Dowel Pin Type Connecting Rods, Only Sold Separately, Upper									
Rod Bearing(12)	TM-112	CB-1236P	STD		5.7490/5.7510	0.0043/0.0079	0.1856	6.1250/6.1260	3.6300
NOTE: Locating Lug Type Connecting Rods, Only Sold Separately,Upper And Lower Bearing Halves Have Locating Lug In The Same Position									
Main Bearing(6)	TM-112	MB-2618P(L)	STD		5.9990/6.0010	0.0033/0.0079	0.3105	6.6250/6.6260	3.5100
NOTE: Dowel Pin Type Main Bearings, Only Sold Separately, Lower									
Main Bearing(7)	TM-112	MB-2618P(U)	STD		5.9990/6.0010	0.0033/0.0079	0.3105	6.6250/6.6260	3.5100
NOTE: Dowel Pin Type Main Bearings, Only Sold Separately, Upper									
Main Bearing	TM-112	MB-2619P(L)	STD		5.9990/6.0010	0.0033/0.0079	0.3105	6.6250/6.6260	4.1220
NOTE: Dowel Pin Type Main Bearings, Contains Flanged Bearing,Only Sold Separately, Lower									
Main Bearing(13)	TM-112	MB-2803P	STD		5.9990/6.0010	0.0033/0.0079	0.3105	6.6250/6.6260	3.5100
NOTE: Locating Lug Type Main Bearings, Only Sold Separately,Upper And Lower Bearing Halves Have Locating Lug In The Same Position									
Cam Bearing(8)	TM-112	SH-1314	STD		2.2485/2.2495	0.0021/0.0051	0.1234	2.4990/2.5000	1.6300
NOTE: Sold In Pairs									
Cam Thrust Washer Set(8)		SH-1314W	STD						0.1910
NOTE: Sold In Pairs, Use With Part Number SH-1314									
Piston Pin Bushing(6)	C-1	223-3629	STD				0.1380	3.7539/3.7545	1.5940
NOTE: Requires Boring									
8 CYL									
2	4767 CID (78L) PTD-8,PTL-8 Diesel V8 Cyl 6597 CID (108L) 8G825 Diesel V8 Cyl 6597 CID (108L) 8G825T Turbocharged Diesel V8 Cyl				8.500in./215.9mm x 10.500in./266.7mm 10.000in./254mm x 10.500in./266.7mm 10.000in./254mm x 10.500in./266.7mm				2
Rod Bearing(8)	TM-112	CB-1069P(L)	STD		5.7490/5.7510	0.0043/0.0079	0.1856	6.1250/6.1260	3.6300
NOTE: Dowel Pin Type Connecting Rods, Only Sold Separately, Lower									
Rod Bearing(8)	TM-112	CB-1069P(U)	STD		5.7490/5.7510	0.0043/0.0079	0.1856	6.1250/6.1260	3.6300
NOTE: Dowel Pin Type Connecting Rods, Only Sold Separately, Upper									
Rod Bearing(16)	TM-112	CB-1236P	STD		5.7490/5.7510	0.0043/0.0079	0.1856	6.1250/6.1260	3.6300
NOTE: Locating Lug Type Connecting Rods, Only Sold Separately,Upper And Lower Bearing Halves Have Locating Lug In The Same Position									
Main Bearing(8)	TM-112	MB-2618P(L)	STD		5.9990/6.0010	0.0033/0.0079	0.3105	6.6250/6.6260	3.5100
NOTE: Dowel Pin Type Main Bearings, Only Sold Separately, Lower									



SUPERIOR DIESEL (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
2 (Cont.)	4767 CID (78L) PTD-8,PTL-8 Diesel V8 Cyl 6597 CID (108L) 8G825 Diesel V8 Cyl 6597 CID (108L) 8G825T Turbocharged Diesel V8 Cyl				8.500in./215.9mm x 10.500in./266.7mm 10.000in./254mm x 10.500in./266.7mm 10.000in./254mm x 10.500in./266.7mm			2 (Cont.)
Main Bearing(9)	TM-112	MB-2618P(U)	STD	5.9990/6.0010	0.0033/0.0079	0.3105	6.6250/6.6260	3.5100
NOTE: Dowel Pin Type Main Bearings, Only Sold Separately, Upper								
Main Bearing	TM-112	MB-2619P(L)	STD	5.9990/6.0010	0.0033/0.0079	0.3105	6.6250/6.6260	4.1220
NOTE: Dowel Pin Type Main Bearings, Contains Flanged Bearing,Only Sold Separately, Lower								
Main Bearing(17)	TM-112	MB-2803P	STD	5.9990/6.0010	0.0033/0.0079	0.3105	6.6250/6.6260	3.5100
NOTE: Locating Lug Type Main Bearings, Only Sold Separately,Upper And Lower Bearing Halves Have Locating Lug In The Same Position								
Cam Bearing(10)	TM-112	SH-1314	STD	2.2485/2.2495	0.0021/0.0051	0.1234	2.4990/2.5000	1.6300
NOTE: Sold In Pairs								
Cam Thrust Washer Set(10)		SH-1314W	STD					0.1910
NOTE: Sold In Pairs, Use With Part Number SH-1314								
Piston Pin Bushing(6)	C-1	223-3629	STD			0.1380	3.7539/3.7545	1.5940
NOTE: Requires Boring								
12 CYL								
3	9896 CID (162L) 12G825 Diesel V12 Cyl 9896 CID (162L) 12G825SGT Turbocharged Diesel V12 Cyl				10.000in./254mm x 10.500in./266.7mm 10.000in./254mm x 10.500in./266.7mm			3
Rod Bearing(12)	TM-112	CB-1395P(L)	STD	6.3740/6.3760	0.0030/0.0084	0.2045	6.7880/6.7890	2.5310
NOTE: Only Sold Separately, Lower								
Rod Bearing(12)	TM-112	CB-1395P(U)	STD	6.3740/6.3760	0.0030/0.0084	0.2045	6.7880/6.7890	2.5310
NOTE: Only Sold Separately, Upper								
Main Bearing(7)	TM-112	MB-3098P(L)	STD	7.9990/8.0010	0.0030/0.0084	0.2638	8.5350/8.5360	4.8750
NOTE: Only Sold Separately, Lower								
Main Bearing(7)	TM-112	MB-3098P(U)	STD	7.9990/8.0010	0.0030/0.0084	0.2638	8.5350/8.5360	4.8750
NOTE: Only Sold Separately, Upper								
Thrust Washer(2)	TM-112	MB-3098W	STD	8.5450/8.5650			9.8740/9.8750	0.5300
NOTE: Only Sold Separately								
Piston Pin Bushing(6)	C-1	223-3629	STD			0.1380	3.7539/3.7545	1.5940
NOTE: Requires Boring								
16 CYL								
4	13195 CID (216L) 16G825 Diesel V16 Cyl 13195 CID (216L) 16G825SGT Turbocharged Diesel V16 Cyl				10.000in./254mm x 10.500in./266.7mm 10.000in./254mm x 10.500in./266.7mm			4
Rod Bearing(16)	TM-112	CB-1395P(L)	STD	6.3740/6.3760	0.0030/0.0084	0.2045	6.7880/6.7890	2.5310
NOTE: Only Sold Separately, Lower								
Rod Bearing(16)	TM-112	CB-1395P(U)	STD	6.3740/6.3760	0.0030/0.0084	0.2045	6.7880/6.7890	2.5310
NOTE: Only Sold Separately, Upper								
Main Bearing(9)	TM-112	MB-3098P(L)	STD	7.9990/8.0010	0.0030/0.0084	0.2638	8.5350/8.5360	4.8750
NOTE: Only Sold Separately, Lower								
Main Bearing(9)	TM-112	MB-3098P(U)	STD	7.9990/8.0010	0.0030/0.0084	0.2638	8.5350/8.5360	4.8750
NOTE: Only Sold Separately, Upper								
Thrust Washer(2)	TM-112	MB-3098W	STD	8.5450/8.5650			9.8740/9.8750	0.5300
NOTE: Only Sold Separately								
Piston Pin Bushing(6)	C-1	223-3629	STD			0.1380	3.7539/3.7545	1.5940
NOTE: Requires Boring								



SUZUKI								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
3 CYL				4 CYL				
993CC (1.0L) SOHC	1985-1988	2.913in./74mmX3.031in./77mm	1	1298CC (1.3L) G13BA SOHC	1989-1995	2.913in./74mmX2.972in./75.5mm	4	
993CC (1.0L) SOHC Turbocharged	1987-1993	2.913in./74mmX3.031in./77mm	1	1324CC (1.3L) G13A	1986-1989	2.913in./74mmX3.031in./77mm	4	
4 CYL				1590CC (1.6L) G16A SOHC (16 Valve)	1998	2.953in./75mmX3.543in./90mm	5	
797CC (0.8L) F8A	1977-1990	2.441in./62mmX2.598in./66mm	2	1590CC (1.6L) G16KC (8 Valve)	1989-1995	2.953in./75mmX3.543in./90mm	5	
970CC (1.0L) F10A SOHC	1982-1990	2.579in./65.5mmX2.835in./72mm	2	1590CC (1.6L) G16KV (16 Valve)	1992-1998	2.953in./75mmX3.543in./90mm	5	
1298CC (1.3L) G13K DOHC	1989-1994	2.913in./74mmX2.972in./75.5mm	3					
1298CC (1.3L) SOHC	1989-1998	2.913in./74mmX2.972in./75.5mm	4					
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
Celvo 1.0	970CC (1.0L) F10A SOHC	1982-1990	2	Samurai	1298CC (1.3L) G13BA SOHC	1990-1995	4	
Cultus 1000	993CC (1.0L) SOHC	1987-1993	1	Samurai	1298CC (1.3L) SOHC	1990-1991	4	
Esteem	1590CC (1.6L) G16KV (16 Valve)	1995-1998	5	Samurai	1324CC (1.3L) G13A	1986-1989	4	
Esteem	1590CC (1.6L) G16A SOHC (16 Valve)	1998	5	Sidekick	1298CC (1.3L) G13BA SOHC	1989	4	
Forsa	993CC (1.0L) SOHC	1985-1988	1	Sidekick	1590CC (1.6L) G16KC (8 Valve)	1989-1995	5	
Forsa Turbo	993CC (1.0L) SOHC	1987-1988	1	Sidekick	1590CC (1.6L) G16KV (16 Valve)	1992-1998	5	
Gemini 8	797CC (0.8L) F8A	1977-1990	2	Swift	1298CC (1.3L) G13K DOHC	1989-1994	3	
SJ410	970CC (1.0L) F10A SOHC	1982-1985	2	Swift	1298CC (1.3L) SOHC	1989-2001	4	
SJ410	993CC (1.0L) SOHC	1985	1	X90	1590CC (1.6L) G16KV (16 Valve)	1996-1998	5	
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
3 CYL								
1	993CC (1.0L) SOHC 3 Cyl (1985-1988)				2.913in./74mm x 3.031in./77mm			1
	993CC (1.0L) SOHC Turbocharged 3 Cyl (1987-1993)				2.913in./74mm x 3.031in./77mm			
Rod Bearing(3)	AL-3	CB-1401AL	STD.,25mm,.50mm,.75mm	1.6535/1.6543	0.0008/0.0027	0.0587	1.7717/1.7724	0.7130
Main Bearing Set 1-2-3-4	AL-3	MS-1708AL MB-3172AL	STD.,25mm,.50mm	1.7717/1.7724	0.0008/0.0027	0.0787	1.9291/1.9298	0.7080
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-455S								
Thrust Washer Set		TW-455S MB-3172W	STD	2.0472			2.6772	0.0990
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1708AL								
Connecting Rod	24 To 27 Lbs.Ft.							
Main Bearing	36 To 41 Lbs.Ft.							
4 CYL								
2	797CC (0.8L) F8A 4 Cyl (1977-1990)				2.441in./62mm x 2.598in./66mm			2
	970CC (1.0L) F10A SOHC 4 Cyl (1982-1990)				2.579in./65.5mm x 2.835in./72mm			
Rod Bearing(4)	AL-3	CB-1452AL	STD.,25mm,.50mm,.75mm	1.4955/1.4961	0.0007/0.0025	0.0588	1.6141/1.6149	0.7090
Main Bearing Set 1-2-3-4-5	AL-3	MS-1753AL-.25mm MB-3132AL	.50mm	1.7717/1.7724	0.0008/0.0027	0.0787	1.9291/1.9298	0.7080
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-471S								
Thrust Washer Set		TW-471S MB-3132W	STD	2.2441			2.8740	0.0990
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1753AL								
Connecting Rod	20 To 23 Lbs.Ft.							
Main Bearing	40 To 43 Lbs.Ft.							
3	1298CC (1.3L) G13K DOHC 4 Cyl (1989-1994)				2.913in./74mm x 2.972in./75.5mm			3
Main Bearing Set 1-2-3-4-5	AL-3	MS-1779AL MB-3172AL	STD.,25mm,.50mm	1.7717/1.7724	0.0008/0.0027	0.0787	1.9291/1.9298	0.7080
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-455S								
Thrust Washer Set		TW-455S MB-3172W	STD	2.0472			2.6772	0.0990
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1779AL								
Connecting Rod	24 To 27 Lbs.Ft.							
Main Bearing	37 To 41 Lbs.Ft.							



SUZUKI (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
4	1298CC (1.3L) SOHC 4 Cyl (1989-1998) 1298CC (1.3L) G13BA SOHC 4 Cyl (1989-1995) 1324CC (1.3L) G13A 4 Cyl (1986-1989)				2.913in./74mm x 2.972in./75.5mm 2.913in./74mm x 2.972in./75.5mm 2.913in./74mm x 3.031in./77mm				4
Rod Bearing(4)	AL-3	CB-1401AL	STD.,25mm.,50mm.,75mm	1.6535/1.6543	0.0008/0.0027	0.0587	1.7717/1.7724	0.7130	
Main Bearing Set 1-2-3-4-5	AL-3	MS-1779AL MB-3172AL	STD.,25mm.,50mm	NOTE: 1298CC (1.3L) G13BA SOHC (1989-1995),1298CC (1.3L) SOHC (1989-1994),1324CC (1.3L) G13A (1986-1989), Requires Thrust Washer Set, Not Included, Use With Part Number TW-455S					
Thrust Washer Set		TW-455S MB-3172W	STD						
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1779AL				2.0472			2.6772	0.0990	
Connecting Rod	24 To 27 Lbs.Ft.								
Main Bearing	37 To 41 Lbs.Ft.								
5	1590CC (1.6L) G16A SOHC (16 Valve) 4 Cyl (1998) 1590CC (1.6L) G16KC (8 Valve) 4 Cyl (1989-1995) 1590CC (1.6L) G16KV (16 Valve) 4 Cyl (1992-1998)				2.953in./75mm x 3.543in./90mm 2.953in./75mm x 3.543in./90mm 2.953in./75mm x 3.543in./90mm				5
Rod Bearing(4)	AL-3	CB-1477AL	STD.,25mm.,50mm.,75mm	1.7316/1.7325	0.0008/0.0031	0.0591	1.8504/1.8513	0.7130	
Main Bearing Set 1-2-3-4-5	AL-3	MS-1820AL MB-3209AL	STD.,25mm.,50mm.,75mm	2.0468/2.0472	0.0012/0.0025	0.0792	2.2047/2.2054	0.7130	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-478S									
Thrust Washer Set		TW-478S MB-3209W	STD	2.3327/2.3333			2.9531	0.0990	
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MS-1820AL									
Connecting Rod	24 To 27 Lbs.Ft.								
Main Bearing	37 To 41 Lbs.Ft.								
THERMO KING REEFER									
ENGINE DATA									
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block		
C201PT Isuzu 1991CC (2.0L) Diesel	3.268in./83mmX3.622in./92mm		1	C221 Isuzu 2207CC (2.2L) Diesel	3.268in./83mmX4.016in./102mm		2		
MODEL DATA									
Model	Model Type	Engine	Block	Model	Model Type	Engine	Block		
	Refrigeration Unit	1991CC (2.0L) C201PT Isuzu Diesel	1	Super	Refrigeration Unit	1991CC (2.0L) C201PT Isuzu Diesel	1		
	Refrigeration Unit	2207CC (2.2L) C221 Isuzu Diesel	2	XNWD	Refrigeration Unit	1991CC (2.0L) C201PT Isuzu Diesel	1		
SB I	Refrigeration Unit	1991CC (2.0L) C201PT Isuzu Diesel	1	XNWD/ESPt	Refrigeration Unit	1991CC (2.0L) C201PT Isuzu Diesel	1		
SB ICD/ESPt	Refrigeration Unit	1991CC (2.0L) C201PT Isuzu Diesel	1						
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL									
1	1991CC (2.0L) C201PT Isuzu Diesel 4 Cyl				3.268in./83mm x 3.622in./92mm				1
Rod Bearing(4)	TM-77	CB-1093P	STD.,25mm.,50mm	2.0833/2.0838	0.0011/0.0028	0.0593	2.2041/2.2047	0.8870	
Piston Pin Bushing	C-1	223-3554	STD			0.0590	1.1022/1.1024	1.3386	
2	2207CC (2.2L) C221 Isuzu Diesel 4 Cyl (1969-1979)				3.268in./83mm x 4.016in./102mm				2
Rod Bearing(4)	TM-77	CB-1093P	STD.,25mm.,50mm	2.0833/2.0838	0.0011/0.0028	0.0593	2.2041/2.2047	0.8870	
Cam Bearing Set	B-1	SH-907S	STD	NOTE: 1.8876/1.8887 0.0012/0.0031 0.0790 2.0472/2.0486 0.9840 1.8882/1.8886 0.0012/0.0031 0.0790 2.0476/2.0484 0.9840 1.8882/1.8886 0.0012/0.0031 0.0790 2.0476/2.0484 0.9840					
1		SH-907							
2		SH-908							
3		SH-909							
Piston Pin Bushing(4)		223-3658							
Connecting Rod	60 Lbs.Ft.								
Main Bearing	130 Lbs.Ft.								



TOYOTA							
ENGINE DATA							
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block
4 CYL				4 CYL (Cont.)			
1077CC (1.1L) KC OHV	1968-1969	2.953in./75mmX2.402in./61mm	1	2189CC (2.2L) 20R SOHC	1975-1980	3.484in./88.5mmX3.504in./89mm	25
1166CC (1.2L) 3KC OHV	1969-1979	2.953in./75mmX2.598in./66mm	1	2237CC (2.2L) 4YEC OHV	1986-1990	3.583in./91mmX3.386in./86mm	23
1290CC (1.3L) 4KC OHV	1981-1982	2.953in./75mmX2.874in./73mm	1	2362CC (2.4L) 2AZFE	2001-2007	3.484in./88.5mmX3.780in./96mm	27
1290CC (1.3L) 4KE OHV	1983-1984	2.953in./75mmX2.874in./73mm	2	DOHC VVTi 16 Valve			
1345CC (1.3L) 3P	1967-1978	3.012in./76.5mmX3.110in./79mm	3	2366CC (2.4L) 22R SOHC	1981-1990	3.622in./92mmX3.502in./89mm	29
1452CC (1.5L) 1AC SOHC	1980	3.051in./77.5mmX3.031in./77mm	4	2366CC (2.4L) 22RE	1989-1995	3.622in./92mmX3.504in./89mm	30
1452CC (1.5L) 3AC SOHC	1981-1988	3.051in./77.5mmX3.031in./77mm	5	SOHC			
1456CC (1.5L) 3E SOHC	1987-1990	2.874in./73mmX3.425in./87mm	6	2366CC (2.4L) 22REC	1983-1988	3.622in./92mmX3.504in./89mm	28
12 Valve				SOHC			
1456CC (1.5L) 3EE SOHC	1991-1994	2.874in./73mmX3.425in./87mm	6	2366CC (2.4L) 22RTEC	1985-1988	3.622in./92mmX3.504in./89mm	30
12 Valve				SOHC Turbocharged			
1490CC (1.5L) 2R	1964-1970	3.071in./78mmX3.071in./78mm	7	2438CC (2.4L) 2RZFE	1995-2001	3.740in./95mmX3.390in./86.1mm	31
1493CC (1.5L) 4P	1967-1992	3.012in./76.5mmX3.189in./81mm	3	DOHC			
1497CC (1.5L) 5EFE	1992-1998	2.913in./74mmX3.420in./87mm	6	2446CC (2.4L) 2L SOHC	1984-1985	3.622in./92mmX3.622in./92mm	26
DOHC				Diesel			
1587CC (1.6L) 4AC SOHC	1983-1987	3.189in./81mmX3.031in./77mm	5	2446CC (2.4L) 2LT SOHC	1985-1987	3.622in./92mmX3.622in./92mm	32
1587CC (1.6L) 4AF DOHC	1988-1989	3.189in./81mmX3.031in./77mm	8	Turbocharged Diesel			
1587CC (1.6L) 4AFE	1989-1997	3.189in./81mmX3.031in./77mm	8	2694CC (2.7L) 3RZFE	1994-2001	3.740in./95mmX3.740in./95mm	33
DOHC				DOHC			
1587CC (1.6L) 4AGE	1988-1991	3.189in./81mmX3.031in./77mm	9	2771CC (2.8L) 5P	1976-1988	3.661in./93mmX4.016in./102mm	34
DOHC				2977CC (3.0L) 11B Diesel	1984-1990	3.740in./95mmX4.134in./105mm	35
1587CC (1.6L) 4AGEC	1985-1987	3.189in./81mmX3.031in./77mm	10	2977CC (3.0L) B Diesel	1972-1990	3.740in./95mmX4.134in./105mm	36
DOHC				3168CC (3.2L) 2B Diesel	1977-1982	3.858in./98mmX4.134in./105mm	37
1587CC (1.6L) 4AGELC	1985-1989	3.189in./81mmX3.031in./77mm	10	3431CC (3.4L) 3B Diesel	1980-1990	4.016in./102mmX4.134in./105mm	35
DOHC				3431CC (3.4L) 13B Diesel	1984-1990	4.016in./102mmX4.134in./105mm	35
1587CC (1.6L) 4AGZE	1988-1989	3.189in./81mmX3.031in./77mm	9	3431CC (3.4L) 13BT	1984-1990	4.016in./102mmX4.134in./105mm	35
DOHC Supercharged				Turbocharged Diesel			
1587CC (1.6L) 4ALC	1984-1988	3.189in./81mmX3.031in./77mm	8	6 CYL			
SOHC				1992CC (2.0L) 1VZFE	1987-1995	3.071in./78mmX2.736in./69.5mm	38
1588CC (1.6L) 2TC OHV	1971-1979	3.346in./85mmX2.756in./70mm	11	DOHC			
1762CC (1.8L) 7AFE	1993-1997	3.189in./81mmX3.366in./85.5mm	12	2253CC (2.3L) 2M SOHC	1968-1972	2.953in./75mmX3.346in./85mm	39
DOHC				2496CC (2.5L) 4VZFE	1988-1995	3.445in./87.5mmX2.724in./69.2mm	40
1770CC (1.8L) 3TC OHV	1980-1982	3.346in./85mmX3.071in./78mm	13	DOHC			
1839CC (1.8L) 1C Diesel	1985-1990	3.268in./83mmX3.346in./85mm	14	2507CC (2.5L) 2VZFE	1988-1991	3.445in./87.5mmX2.756in./70mm	38
1839CC (1.8L) 1CL Diesel	1985-1990	3.268in./83mmX3.346in./85mm	14	DOHC			
1839CC (1.8L) 1CLC	1984-1985	3.268in./83mmX3.346in./85mm	15	2563CC (2.6L) 4M SOHC	1971-1979	3.150in./80mmX3.346in./85mm	39
SOHC Diesel				2563CC (2.6L) 4ME	1979-1980	3.150in./80mmX3.346in./85mm	41
1839CC (1.8L) 1CTLC	1984-1985	3.268in./83mmX3.346in./85mm	15	SOHC			
SOHC Turbo				2759CC (2.8L) 5ME	1981-1982	3.268in./83mmX3.346in./85mm	41
Turbocharged Diesel				SOHC			
1858CC (1.9L) 8RC	1969-1971	3.386in./86mmX3.150in./80mm	16	2759CC (2.8L) 5MGE	1982-1988	3.268in./83mmX3.346in./85mm	42
SOHC				DOHC			
1897CC (1.9L) 3RB OHV	1965-1970	3.465in./88mmX3.071in./78mm	17	2954CC (3.0L) 7MGE	1987-1992	3.268in./83mmX3.583in./91mm	43
1897CC (1.9L) 3RC OHV	1965-1970	3.465in./88mmX3.071in./78mm	17	DOHC			
1968CC (2.0L) 18RC	1972-1974	3.484in./88.5mmX3.150in./80mm	18	2954CC (3.0L) 7MGTE	1987-1992	3.268in./83mmX3.583in./91mm	43
SOHC				DOHC Turbocharged			
1974CC (2.0L) 2C Diesel	1985-1990	3.386in./86mmX3.346in./85mm	14	2958CC (3.0L) 3VZE	1988-1995	3.445in./87.5mmX3.228in./82mm	44
1974CC (2.0L) 2CL Diesel	1985-1990	3.386in./86mmX3.346in./85mm	14	SOHC			
1974CC (2.0L) 2CTLC	1986	3.386in./86mmX3.346in./85mm	15	2959CC (3.0L) 3VZFE	1992-1993	3.445in./87.5mmX3.228in./82mm	40
SOHC Turbocharged				DOHC			
Diesel				2995CC (3.0L) 1MZFE	1994-2002	3.445in./87.5mmX3.268in./83mm	45
1994CC (2.0L) 5R OHV	1967-1986	3.465in./88mmX3.228in./82mm	19	DOHC			
1995CC (2.0L) 2SELC	1983-1986	3.307in./84mmX3.543in./90mm	20	2997CC (3.0L) 2JZGE	1993-1998	3.386in./86mmX3.386in./86mm	46
SOHC				DOHC			
1998CC (2.0L) 3SFE	1987-1998	3.386in./86mmX3.386in./86mm	21	2997CC (3.0L) 2JZGTE	1993-1998	3.386in./86mmX3.386in./86mm	46
DOHC				DOHC Turbocharged			
1998CC (2.0L) 3SGELC	1986-1989	3.386in./86mmX3.386in./86mm	20	3378CC (3.4L) 5VZFE	1995-2002	3.681in./93.5mmX3.228in./82mm	47
DOHC				DOHC			
1998CC (2.0L) 3SGTE	1988-1995	3.386in./86mmX3.386in./86mm	22	3878CC (3.9L) F	1969-1975	3.543in./90mmX4.016in./102mm	48
DOHC Turbocharged				3956CC (4.0L) 3FE OHV	1988-1992	3.701in./94mmX3.740in./95mm	49
1998CC (2.0L) 3YEC OHV	1984-1985	3.386in./86mmX3.386in./86mm	23	4230CC (4.2L) 2F OHV	1975-1987	3.701in./94mmX4.016in./102mm	50
2164CC (2.2L) 5SFE	1990-2001	3.425in./87mmX3.583in./91mm	24	4476CC (4.5L) 1FZFE	1993-1997	3.937in./100mmX3.740in./95mm	51
DOHC				DOHC			
2188CC (2.2L) L SOHC	1981-1983	3.543in./90mmX3.386in./86mm	26				
Diesel							



TOYOTA (Cont.)

MODEL DATA

Model	Engine	Years	Block	Model	Engine	Years	Block
4 Runner	2366CC (2.4L) 22R SOHC	1984	29	Corona	2366CC (2.4L) 22R SOHC	1981-1982	29
4 Runner	2366CC (2.4L) 22REC SOHC	1985-1988	28	Corona Mk II	1858CC (1.9L) 8RC SOHC	1969-1971	16
4 Runner	2366CC (2.4L) 22RTEC SOHC	1986-1988	30	Corona Mk II	1968CC (2.0L) 18RC SOHC	1972	18
4 Runner	2366CC (2.4L) 22RE SOHC	1989-1995	30	Corona Mk II	2253CC (2.3L) 2M SOHC	1972	39
4 Runner	2694CC (2.7L) 3RZFE DOHC	1996-2000	33	Corona Mk II	2563CC (2.6L) 4M SOHC	1973-1976	39
4 Runner	2958CC (3.0L) 3VZE SOHC	1988-1995	44	Cressida	2563CC (2.6L) 4M SOHC	1978-1979	39
4 Runner	3378CC (3.4L) 5VZFE DOHC	1996-2002	47	Cressida	2563CC (2.6L) 4ME SOHC	1980	41
	1345CC (1.3L) 3P	1967-1975	3	Cressida	2759CC (2.8L) 5ME SOHC	1981-1982	41
	1839CC (1.8L) 1CL Diesel	1985-1990	14	Cressida	2759CC (2.8L) 5MGE DOHC	1983-1988	42
	1839CC (1.8L) 1C Diesel	1985-1990	14	Cressida	2954CC (3.0L) 7MGE DOHC	1989-1992	43
	1974CC (2.0L) 2C Diesel	1985-1990	14	Crown	1897CC (1.9L) 3RC OHV	1965-1970	17
	1974CC (2.0L) 2CL Diesel	1985-1990	14	Crown	2253CC (2.3L) 2M SOHC	1968-1971	39
	1992CC (2.0L) 1VZFE DOHC	1987-1995	38	Crown	2563CC (2.6L) 4M SOHC	1971-1972	39
	2496CC (2.5L) 4VZFE DOHC	1988-1995	40	Dyna	1994CC (2.0L) 5R OHV	1967-1982	19
	2977CC (3.0L) B Diesel	1972-1990	36	Forklift	1345CC (1.3L) 3P	1967-1978	3
	2977CC (3.0L) 11B Diesel	1984-1990	35	Forklift	1490CC (1.5L) 2R	1964-1970	7
	3168CC (3.2L) 2B Diesel	1977-1982	37	Forklift	1493CC (1.5L) 4P	1967-1972	3
	3431CC (3.4L) 13B Diesel	1984-1990	35	Forklift	1994CC (2.0L) 5R OHV	1967-1986	19
	3431CC (3.4L) 13BT Diesel	1984-1990	35	Forklift	2771CC (2.8L) 5P	1976-1988	34
	3431CC (3.4L) 3B Diesel	1980-1990	35	Highlander	2362CC (2.4L) 2AZFE DOHC	2001-2007	27
Avalon	2995CC (3.0L) 1MZFE DOHC	1995-2002	45		VVTi 16 Valve		
Camry	1839CC (1.8L) 1CTLC SOHC	1984-1985	15	Highlander	2995CC (3.0L) 1MZFE DOHC	2001-2002	45
	Turbo Diesel			Hilux	1858CC (1.9L) 8RC SOHC	1968-1971	16
Camry	1974CC (2.0L) 2CTLC SOHC	1986	15	Hilux	1897CC (1.9L) 3RC OHV	1968-1970	17
	Diesel			Hilux	1968CC (2.0L) 18RC SOHC	1972-1974	18
Camry	1995CC (2.0L) 2SELC SOHC	1983-1986	20	Land Cruiser	2977CC (3.0L) B Diesel	1978-1980	36
Camry	1998CC (2.0L) 3SFE DOHC	1987-1991	21	Land Cruiser	3431CC (3.4L) 3B Diesel	1981-1985	35
Camry	2164CC (2.2L) 5SFE DOHC	1992-2001	24	Land Cruiser	3878CC (3.9L) F	1969-1975	48
Camry	2362CC (2.4L) 2AZFE DOHC	2001-2007	27	Land Cruiser	3956CC (4.0L) 3FE OHV	1988-1992	49
	VVTi 16 Valve			Land Cruiser	4230CC (4.2L) 2F OHV	1975-1987	50
Camry	2507CC (2.5L) 2VZFE DOHC	1988-1991	38	Land Cruiser	4476CC (4.5L) 1FZFE DOHC	1993-1997	51
Camry	2959CC (3.0L) 3VZFE DOHC	1992-1993	40	MR2	1587CC (1.6L) 4AGELC DOHC	1985-1989	10
Camry	2995CC (3.0L) 1MZFE DOHC	1994-2002	45	MR2	1587CC (1.6L) 4AGZE DOHC	1988-1989	9
Carina	1588CC (1.6L) 2TC OHV	1971-1979	11	MR2	1998CC (2.0L) 3SGTE DOHC	1990-1995	22
Celica	1587CC (1.6L) 4AFE DOHC	1990-1993	8	MR2	2164CC (2.2L) 5SFE DOHC	1990-1995	24
Celica	1762CC (1.8L) 7AFE DOHC	1994-1997	12	Microbus	1994CC (2.0L) 5R OHV	1967-1978	19
Celica	1858CC (1.9L) 8RC SOHC	1969-1971	16	Paseo	1497CC (1.5L) 5EFE DOHC	1992-1999	6
Celica	1968CC (2.0L) 18RC SOHC	1972-1974	18	Pickup	1968CC (2.0L) 18RC SOHC	1972-1974	18
Celica	1995CC (2.0L) 2SELC SOHC	1986	20	Pickup	2188CC (2.2L) L SOHC Diesel	1981-1983	26
Celica	1998CC (2.0L) 3SGELC DOHC	1986-1989	20	Pickup	2189CC (2.2L) 20R SOHC	1975-1980	25
Celica	1998CC (2.0L) 3SFE DOHC	1987-1989	21	Pickup	2366CC (2.4L) 22R SOHC	1981-1990	29
Celica	1998CC (2.0L) 3SGTE DOHC	1988-1993	22	Pickup	2366CC (2.4L) 22REC SOHC	1984-1988	28
Celica	2164CC (2.2L) 5SFE DOHC	1990-1999	24	Pickup	2366CC (2.4L) 22RTEC SOHC	1985-1988	30
Celica	2189CC (2.2L) 20R SOHC	1975-1980	25	Pickup	2366CC (2.4L) 22RE SOHC	1989-1995	30
Celica	2366CC (2.4L) 22R SOHC	1981-1983	29	Pickup	2446CC (2.4L) 2L SOHC Diesel	1984-1985	26
Celica	2366CC (2.4L) 22REC SOHC	1983-1985	28	Pickup	2446CC (2.4L) 2LT SOHC Diesel	1985-1987	32
Celica Supra	2563CC (2.6L) 4ME SOHC	1979-1980	41	Pickup	2958CC (3.0L) 3VZE SOHC	1988-1995	44
Celica Supra	2759CC (2.8L) 5ME SOHC	1981	41	Rav 4	1998CC (2.0L) 3SFE DOHC	1996-1998	21
Celica Supra	2759CC (2.8L) 5MGE DOHC	1982-1986	42	Rav 4	2362CC (2.4L) 2AZFE DOHC	2004-2007	27
Corolla	1077CC (1.1L) KC OHV	1968-1969	1		VVTi 16 Valve		
Corolla	1166CC (1.2L) 3KC OHV	1969-1979	1	Sienna	2995CC (3.0L) 1MZFE DOHC	1998-2002	45
Corolla	1587CC (1.6L) 4AC SOHC	1983-1987	5	Solara	2164CC (2.2L) 5SFE DOHC	1999-2001	24
Corolla	1587CC (1.6L) 4ALC SOHC	1984-1988	8	Solara	2362CC (2.4L) 2AZFE DOHC	2002-2007	27
Corolla	1587CC (1.6L) 4AGEC DOHC	1985-1987	10		VVTi 16 Valve		
Corolla	1587CC (1.6L) 4AGELC DOHC	1987-1988	10	Solara	2995CC (3.0L) 1MZFE DOHC	1999-2002	45
Corolla	1587CC (1.6L) 4AF DOHC	1988-1989	8	Starlet	1290CC (1.3L) 4KC OHV	1981-1982	1
Corolla	1587CC (1.6L) 4AGE DOHC	1988-1991	9	Starlet	1290CC (1.3L) 4KE OHV	1983-1984	2
Corolla	1587CC (1.6L) 4AFE DOHC	1988-1997	8	Stout	1897CC (1.9L) 3RB OHV	1965-1970	17
Corolla	1588CC (1.6L) 2TC OHV	1971-1979	11	Stout	1897CC (1.9L) 3RC OHV	1968-1970	17
Corolla	1762CC (1.8L) 7AFE DOHC	1993-1997	12	Stout	1994CC (2.0L) 5R OHV	1967-1982	19
Corolla	1770CC (1.8L) 3TC OHV	1980-1982	13	Supra	2954CC (3.0L) 7MGE DOHC	1987-1992	43
Corolla	1839CC (1.8L) 1CLC SOHC	1984-1985	15	Supra	2954CC (3.0L) 7MGTE DOHC	1987-1992	43
	Diesel				Turbocharged		
Corona	1345CC (1.3L) 3P	1967-1974	3	Supra	2997CC (3.0L) 2JZGE DOHC	1993-1998	46
Corona	1490CC (1.5L) 2R	1965-1969	7	Supra	2997CC (3.0L) 2JZGTE DOHC	1993-1998	46
Corona	1858CC (1.9L) 8RC SOHC	1970-1971	16	T100	2694CC (2.7L) 3RZFE DOHC	1994-1998	33
Corona	1897CC (1.9L) 3RC OHV	1965-1970	17	T100	2958CC (3.0L) 3VZE SOHC	1993-1994	44
Corona	1968CC (2.0L) 18RC SOHC	1972-1973	18	T100	3378CC (3.4L) 5VZFE DOHC	1995-1998	47
Corona	2189CC (2.2L) 20R SOHC	1975-1980	25	Tacoma	2438CC (2.4L) 2RZFE DOHC	1995-2001	40



TOYOTA (Cont.)											
MODEL DATA (Cont.)											
Model	Engine	Years	Block	Model	Engine	Years	Block	Model	Engine	Years	Block
Tacoma	2694CC (2.7L) 3RZFE DOHC	1995-2001	33	Tercel	1497CC (1.5L) 5EFE DOHC	1995-1999	6				
Tacoma	3378CC (3.4L) 5VZFE DOHC	1995-2002	47	Toyo-Ace	1493CC (1.5L) 4P	1972-1992	3				
Tercel	1452CC (1.5L) 1AC SOHC	1980	4	Toyoace	1994CC (2.0L) 5R OHV	1967-1982	19				
Tercel	1452CC (1.5L) 3AC SOHC	1981-1988	5	Tundra	3378CC (3.4L) 5VZFE DOHC	2000-2002	47				
Tercel	1456CC (1.5L) 3E SOHC 12 Valve	1987-1990	6	Van	1998CC (2.0L) 3YEC OHV	1984-1985	23				
Tercel	1456CC (1.5L) 3EE SOHC 12 Valve	1991-1994	6	Van	2237CC (2.2L) 4YEC OHV	1986-1990	23				
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1	2.756in./70mm	11	3H	3.386in./86mm	19	5G9-37	3.346in./85mm	30	565524DYNA	3.502in./89mm	38
1A	3.031in./77mm	4	3K	2.598in./66mm	1	5G9-37	3.031in./77mm	8	565524DYNA	3.502in./89mm	38
1A	3.031in./77mm	5	3KC	2.598in./66mm	1	6-H	3.583in./91mm	31	1802224C92	3.583in./91mm	22
1AA	3.031in./77mm	4	3KC	3.031in./77mm	4	6M	3.583in./91mm	31	1802224C93	3.583in./91mm	22
1AA	3.031in./77mm	5	3KC	3.031in./77mm	5	7HA	3.583in./91mm	31	1803420C1	3.583in./91mm	22
1B	3.150in./80mm	16	3KC	3.386in./86mm	20	7HA-6303	3.583in./91mm	31	1805420C1	3.031in./77mm	4
1Z	3.150in./80mm	16	3KC	3.425in./87mm	6	8	2.598in./66mm	1	1805420C1	3.031in./77mm	5
2	2.598in./66mm	1	3KC	3.386in./86mm	19	9	2.598in./66mm	1	1805420C1	3.583in./91mm	22
2 MAE	3.031in./77mm	4	3SF	2.598in./66mm	1	10	2.756in./70mm	11	1809954C1	3.031in./77mm	4
2 MAE	3.031in./77mm	5	3SF	3.031in./77mm	4	11	2.598in./66mm	1	1809954C1	3.031in./77mm	5
2M	3.346in./85mm	27	3SF	3.031in./77mm	5	11	3.150in./80mm	16	1812320C91	3.031in./77mm	4
2M	3.346in./85mm	29	3SF	3.386in./86mm	20	11-G	3.150in./80mm	18	1812320C91	3.031in./77mm	5
2M	3.346in./85mm	30	3SF	3.425in./87mm	6	11M	3.583in./91mm	22	1816975C1	3.031in./77mm	4
2MAE	3.031in./77mm	4	3SF	3.386in./86mm	19	11M-14	3.583in./91mm	22	1816975C1	3.031in./77mm	5
2MAE	3.031in./77mm	5	3YA	3.031in./77mm	5	12	3.150in./80mm	16	B7	3.268in./83mm	32
2MG2	3.346in./85mm	27	3YA	3.031in./77mm	8	17	2.756in./70mm	11	C1K	3.150in./80mm	16
2MG2	3.346in./85mm	29	3YA	3.386in./86mm	19	17M	3.583in./91mm	22	C1K	3.150in./80mm	18
2MG2	3.346in./85mm	30	4	2.756in./70mm	11	25	2.756in./70mm	11	E-B7-JL	4.016in./102mm	48
3A	2.598in./66mm	1	4A	3.031in./77mm	5	26	2.598in./66mm	1	E-B7-JL	4.016in./102mm	50
3A	3.031in./77mm	4	4A	3.031in./77mm	8	27-G	3.150in./80mm	18	EB7JL	4.016in./102mm	48
3A	3.031in./77mm	5	4A	3.386in./86mm	19	40F	3.031in./77mm	5	G1U	3.150in./80mm	18
3A	3.386in./86mm	20	4AC	3.031in./77mm	5	40F	3.031in./77mm	8	G9-37	2.756in./70mm	11
3A	3.425in./87mm	6	4AC	3.031in./77mm	8	40F	3.386in./86mm	19	G46	2.756in./70mm	11
3A	3.386in./86mm	19	4AC	3.386in./86mm	19	41R	3.150in./80mm	16	G-1-U	3.150in./80mm	18
3AC	2.598in./66mm	1	4AL	3.031in./77mm	5	41R	3.150in./80mm	18	GET	3.071in./78mm	17
3AC	3.031in./77mm	4	4AL	3.031in./77mm	8	45-T	3.031in./77mm	5	JG	3.150in./80mm	16
3AC	3.031in./77mm	5	4AL	3.386in./86mm	19	45-T	3.031in./77mm	8	L1	3.504in./89mm	23
3AC	3.386in./86mm	20	4G1	2.874in./73mm	2	45-T	3.386in./86mm	19	L1	3.502in./89mm	38
3AC	3.425in./87mm	6	4G61	2.874in./73mm	2	59-PK	2.756in./70mm	11	L1	3.502in./89mm	38
3AC	3.386in./86mm	19	4G-3	2.874in./73mm	2	59-PK	3.346in./85mm	30	L1K	3.150in./80mm	16
3AH	2.598in./66mm	1	4K05	2.874in./73mm	2	59-PK	3.031in./77mm	8	L1M	3.150in./80mm	16
3AH	3.031in./77mm	4	4K	2.874in./73mm	2	74TM	3.583in./91mm	31	L1M	3.150in./80mm	18
3AH	3.031in./77mm	5	4XC1-U	2.874in./73mm	2	76TM	3.583in./91mm	31	L3	2.598in./66mm	1
3AH	3.386in./86mm	20	4XC-U	3.502in./89mm	38	77A	3.583in./91mm	31	L20	2.598in./66mm	1
3AH	3.425in./87mm	6	4XC-U	3.502in./89mm	38	78TM	3.583in./91mm	31	L-1-M	3.150in./80mm	18
3AH	3.386in./86mm	19	4XC-UT	3.502in./89mm	38	78TM-CA	3.583in./91mm	31	L-1M	3.346in./85mm	27
3B	2.598in./66mm	1	4XC-UT	3.502in./89mm	38	81-K	3.583in./91mm	31	MFF	3.150in./80mm	16
3B	3.031in./77mm	4	4XCIU	2.874in./73mm	2	140N	3.583in./91mm	22	N	3.504in./89mm	23
3B	3.031in./77mm	5	4XCU	3.502in./89mm	38	176H	3.583in./91mm	22	N	3.502in./89mm	38
3B	3.386in./86mm	20	4XCU	3.502in./89mm	38	188A	3.031in./77mm	4	N	3.502in./89mm	38
3B	3.425in./87mm	6	4XCUT	3.502in./89mm	38	188A	3.031in./77mm	5	NF	3.071in./78mm	17
3B	3.386in./86mm	19	4XCUT	3.502in./89mm	38	202B	3.031in./77mm	4	NXT	3.071in./78mm	17
3E	2.598in./66mm	1	4ZE1	3.502in./89mm	38	202B	3.031in./77mm	5	R12	2.598in./66mm	1
3E	3.031in./77mm	4	4ZE1	3.502in./89mm	38	407N	3.031in./77mm	5	R14	2.598in./66mm	1
3E	3.031in./77mm	5	5 E	3.502in./89mm	38	407N	3.031in./77mm	8	S2	3.504in./89mm	23
3E	3.386in./86mm	20	5 E	3.502in./89mm	38	407N	3.386in./86mm	19	S2	3.502in./89mm	38
3E	3.425in./87mm	6	5A	2.756in./70mm	11	508E-6303	3.502in./89mm	38	S2	3.502in./89mm	38
3E	3.386in./86mm	19	5A	3.346in./85mm	30	508E-6303	3.502in./89mm	38	S2	3.504in./89mm	25
3H	2.598in./66mm	1	5A	3.031in./77mm	8	4196N	3.031in./77mm	5	S2	3.504in./89mm	39
3H	3.031in./77mm	4	5AK	2.756in./70mm	11	4196N	3.031in./77mm	8	T27	3.150in./80mm	18
3H	3.031in./77mm	5	5AK	3.346in./85mm	30	4196N	3.386in./86mm	19	U27	3.150in./80mm	18
3H	3.386in./86mm	20	5AK	3.031in./77mm	8	7243N	3.583in./91mm	31			
3H	3.425in./87mm	6	5G9-37	2.756in./70mm	11	13111-03010-D	3.583in./91mm	22			



TOYOTA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	1077CC (1.1L) KC OHV 4 Cyl (1968-1969) 1166CC (1.2L) 3KC OHV 4 Cyl (1969-1979) 1290CC (1.3L) 4KC OHV 4 Cyl (1981-1982)				2.953in./75mm x 2.402in./61mm 2.953in./75mm x 2.598in./66mm 2.953in./75mm x 2.874in./73mm			1
Rod Bearing	TM-1	CB-969G	STD,.25mm	1.6526/1.6535	0.0009/0.0029	0.0591	1.7717/1.7728	0.7480
Main Bearing Set 1-2-3-4-5	TM-1	MS-1057P MB-610P	STD	1.9675/1.9685	0.0006/0.0032	0.0785	2.1261/2.1271	0.8630
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-225S								
Thrust Washer Set		TW-225S MB-610W(L) MB-610W(U)	STD	2.1772/2.1890 2.1772/2.1890			2.6575/2.6693 2.6575/2.6693	0.0970 0.0970
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1057P								
Cam Bearing Set	B-1	SH-720S	STD					
1		SH-720		1.7011/1.7018	0.0005/0.0038	0.0935	1.8888/1.8898	0.7150
2		SH-721		1.6913/1.6919	0.0010/0.0043	0.0886	1.8701/1.8711	0.7150
3		SH-722		1.6815/1.6821	0.0009/0.0041	0.0837	1.8504/1.8514	0.7150
4		SH-723		1.6716/1.6722	0.0011/0.0041	0.0787	1.8307/1.8317	0.7150
C/S Forging 2, 8, 9, 11, 26, 3A, 3B, 3E, 3H, 3K, L3, 3AC, 3AH, 3KC, 3SF, L20, R12, R14								
Connecting Rod	29 To 38 Lbs.Ft.							
Main Bearing	39 To 48 Lbs.Ft.							
2	1290CC (1.3L) 4KE OHV 4 Cyl (1983-1984)				2.953in./75mm x 2.874in./73mm			2
Rod Bearing	TM-1	CB-969G	STD,.25mm	1.6526/1.6535	0.0009/0.0029	0.0591	1.7717/1.7728	0.7480
NOTE: Thru 6/83								
Rod Bearing(4)	AL-3	CB-1471AL	STD	1.6526/1.6535	0.0009/0.0032	0.0587	1.7717/1.7728	0.7400
NOTE: From 7/83								
Thrust Washer Set		TW-225S MB-610W(L) MB-610W(U)	STD	2.1772/2.1890 2.1772/2.1890			2.6575/2.6693 2.6575/2.6693	0.0970 0.0970
NOTE: Contains 4 Pieces, Position Number 3								
Cam Bearing Set	B-1	SH-720S	STD					
1		SH-720		1.7011/1.7018	0.0005/0.0038	0.0935	1.8888/1.8898	0.7150
2		SH-721		1.6913/1.6919	0.0010/0.0043	0.0886	1.8701/1.8711	0.7150
3		SH-722		1.6815/1.6821	0.0009/0.0041	0.0837	1.8504/1.8514	0.7150
4		SH-723		1.6716/1.6722	0.0011/0.0041	0.0787	1.8307/1.8317	0.7150
C/S Forging 4K, 4G1, 4G-3, 4G61, 4K05, 4XCIU, 4XC1-U								
Connecting Rod	29 To 38 Lbs.Ft.							
Main Bearing	39 To 48 Lbs.Ft.							
3	1345CC (1.3L) 3P 4 Cyl (1967-1978) 1493CC (1.5L) 4P 4 Cyl (1967-1992)				3.012in./76.5mm x 3.110in./79mm 3.012in./76.5mm x 3.189in./81mm			3
Rod Bearing(4)	TM-1	CB-1595P	STD,.25mm,.50mm,.75mm	1.8495/1.8509	0.0005/0.0026	0.0592	1.9694/1.9704	0.9060
Main Bearing Set 1-2-3	TM-1	MS-1955P MB-3355P	STD,.25mm,.50mm,.75mm	2.0464/2.0475	0.0006/0.0028	0.0789	2.2059/2.2069	1.1420
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-555S								
Thrust Washer Set		TW-555S MB-3355W(L) MB-3355W(U)	STD	2.2444 2.2444			2.7366 2.7366	0.0970 0.0970
NOTE: Contains 4 Pieces, Position Number 2, Use With Part Number MS-1955P								
Connecting Rod	30 To 34 Lbs.Ft.							
Main Bearing	71 To 79 Lbs.Ft.							
4	1452CC (1.5L) 1AC SOHC 4 Cyl (1980)				3.051in./77.5mm x 3.031in./77mm			4
Rod Bearing(4)	TM-1	CB-1352P	STD,.25mm,.50mm,.75mm	1.5742/1.5748	0.0007/0.0032	0.0586	1.6928/1.6938	0.6730
NOTE: 3.95mm Wide Notch Bearings								
Main Bearing Set 1-2-3-4-5	AL-3	MS-1617AL MB-2965AL	STD,.25mm,.50mm	1.8892/1.8898	0.0006/0.0032	0.0789	2.0482/2.0492	0.7830
NOTE: Contains Full Grooved Bearings, Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S								
Thrust Washer Set		TW-401S MB-2965W(L) MB-2965W(U)	STD	2.1102/2.1220 2.1102/2.1220			2.5827/2.5945 2.5827/2.5945	0.0980 0.0980
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1617AL								
C/S Forging 1A, 3A, 3B, 3E, 3H, 1AA, 3AC, 3AH, 3KC, 3SF, 188A, 202B, 2MAE, 2 MAE, 1805420C1, 1809954C1, 1816975C1, 1812320C91								



TOYOTA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
4 (Cont.)	1452CC (1.5L) 1AC SOHC 4 Cyl (1980)				3.051in./77.5mm x 3.031in./77mm			4 (Cont.)
Connecting Rod		36 Lbs.Ft.						
Main Bearing		44 Lbs.Ft.						
5	1452CC (1.5L) 3AC SOHC 4 Cyl (1981-1988)				3.051in./77.5mm x 3.031in./77mm			5
1587CC (1.6L) 4AC SOHC 4 Cyl (1983-1987)				3.189in./81mm x 3.031in./77mm				
Rod Bearing(4)	TM-1	CB-1352P	STD, .25mm, .50mm, .75mm	1.5742/1.5748	0.0007/0.0032	0.0586	1.6928/1.6938	0.6730
NOTE: Thru 10/83, 3.95mm Wide Notch Bearings								
Rod Bearing(4)	TM-1	CB-1361P	STD, .25mm, .50mm, .75mm	1.5742/1.5748	0.0007/0.0032	0.0586	1.6928/1.6938	0.6730
NOTE: From 10/83, 2.95mm Narrow Notch Bearings								
Main Bearing Set	AL-3	MS-1617AL	STD, .25mm, .50mm	1.8892/1.8898	0.0006/0.0032	0.0789	2.0482/2.0492	0.7830
1-2-3-4-5		MB-2965AL						
NOTE: Thru 1/83, Contains Full Grooved Bearings, Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S								
Main Bearing Set	AL-3	MS-2211AL	STD, .25mm, .50mm, .75mm	1.8892/1.8898	0.0007/0.0033	0.0789	2.0480/2.0492	0.7874
1-2-3-4-5		MB-3764AL						
NOTE: From 1/83, Contains Partial Grooved Main Bearings, Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S								
Thrust Washer Set		TW-401S	STD	2.1102/2.1220			2.5827/2.5945	0.0980
		MB-2965W(L)						
		MB-2965W(U)						
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1617AL, MS-2211AL								
C/S Forging	1A, 3A, 3B, 3E, 3H, 4A, 1AA, 3AC, 3AH, 3KC, 3SF, 3YA, 40F, 4AC, 4AL, 188A, 202B, 2MAE, 407N, 45-T, 2 MAE, 4196N, 1805420C1, 1809954C1, 1816975C1, 1812320C91							
Connecting Rod		36 Lbs.Ft.						
Main Bearing		44 Lbs.Ft.						
6	1456CC (1.5L) 3E SOHC 12 Valve 4 Cyl (1987-1990)				2.874in./73mm x 3.425in./87mm			6
1456CC (1.5L) 3EE SOHC 12 Valve 4 Cyl (1991-1994)				2.874in./73mm x 3.425in./87mm				
1497CC (1.5L) 5EFE DOHC 4 Cyl (1992-1998)				2.913in./74mm x 3.420in./87mm				
Rod Bearing(4)	AL-3	CB-1593AL	STD, .25mm, .50mm	1.6923/1.6929	0.0006/0.0032	0.0587	1.8110/1.8118	0.5910
Main Bearing Set	AL-3	MS-1056G	.25mm, .75mm	2.2825/2.2835	0.0016/0.0038	0.0705	2.4254/2.4260	1.1860
1		MB-603G						
2		MB-604G						
3		MB-605G						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-224S								
Main Bearing Set	AL-3	MS-1953AL	STD, .25mm, .50mm	1.9681/1.9685	0.0009/0.0031	0.0787	2.1267/2.1274	0.6300
1-2-3-4-5		MB-3348AL						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-553S								
Thrust Washer Set		TW-553S	STD	2.1752			2.6772	0.0980
		MB-3348W						
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1953AL								
C/S Forging	3A, 3B, 3E, 3H, 3AC, 3AH, 3KC, 3SF							
Connecting Rod		29 Lbs.Ft.						
Main Bearing		42 Lbs.Ft.						
7	1490CC (1.5L) 2R 4 Cyl (1964-1970)				3.071in./78mm x 3.071in./78mm			7
Rod Bearing(4)	AL-3	CB-968G	.50mm, .75mm	1.9679/1.9685	0.0005/0.0024	0.0591	2.0870/2.0878	1.0640
Main Bearing Set	AL-3	MS-1056G	.25mm, .75mm	2.2825/2.2835	0.0016/0.0038	0.0705	2.4254/2.4260	1.1860
1		MB-603G						
2		MB-604G						
3		MB-605G						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-224S								
Thrust Washer Set		TW-224S	STD	2.5197/2.5315			2.9764/2.9882	0.1170
		MB-605W(L)						
		MB-605W(U)						
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1056G								
Cam Bearing Set	B-1	SH-978S	STD	1.8290/1.8300	0.0010/0.0036	0.0685	1.9680/1.9690	1.1000
1		SH-978						
2		SH-979						
3		SH-980						



TOYOTA (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
7 (Cont.)	1490CC (1.5L) 2R 4 Cyl (1964-1970)			3.071in./78mm x 3.071in./78mm				7 (Cont.)	
Connecting Rod		43 To 51 Lbs.Ft.							
Main Bearing		76 To 80 Lbs.Ft.							
8	1587CC (1.6L) 4AF DOHC 4 Cyl (1988-1989)			3.189in./81mm x 3.031in./77mm				8	
	1587CC (1.6L) 4AFE DOHC 4 Cyl (1989-1997)			3.189in./81mm x 3.031in./77mm					
	1587CC (1.6L) 4ALC SOHC 4 Cyl (1984-1988)			3.189in./81mm x 3.031in./77mm					
Rod Bearing(4)		TM-1	CB-1361P	STD.,25mm.,50mm.,75mm	1.5742/1.5748	0.0007/0.0032	0.0586	1.6928/1.6938	0.6730
NOTE: 2.95mm Narrow Notch Bearings									
Main Bearing Set 1-2-3-4-5		AL-3	MS-2211AL MB-3764AL	STD.,25mm.,50mm.,75mm	1.8892/1.8898	0.0007/0.0033	0.0789	2.0480/2.0492	0.7874
NOTE: Contains Partial Grooved Main Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S									
Thrust Washer Set		TW-401S	STD	2.1102/2.1220			2.5827/2.5945	0.0980	
		MB-2965W(L)		2.1102/2.1220			2.5827/2.5945	0.0980	
		MB-2965W(U)							
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2211AL									
C/S Forging 4A, 5A, 3YA, 40F, 4AC, 4AL, 5AK, 407N, 45-T, 4196N, 59-PK, 5G9-37									
Connecting Rod		36 Lbs.Ft.							
Main Bearing		44 Lbs.Ft.							
9	1587CC (1.6L) 4AGE DOHC 4 Cyl (1988-1991)			3.189in./81mm x 3.031in./77mm				9	
	1587CC (1.6L) 4AGZE DOHC Supercharged 4 Cyl (1988-1989)			3.189in./81mm x 3.031in./77mm					
Rod Bearing(4)		TM-1	CB-1474P	STD.,25mm.,50mm	1.6529/1.6535	0.0008/0.0032	0.0587	1.7717/1.7726	0.6690
Main Bearing Set 1-2-3-4-5		AL-3	MS-2211AL MB-3764AL	STD.,25mm.,50mm.,75mm	1.8892/1.8898	0.0007/0.0033	0.0789	2.0480/2.0492	0.7874
NOTE: Contains Partial Grooved Main Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S									
Thrust Washer Set		TW-401S	STD	2.1102/2.1220			2.5827/2.5945	0.0980	
		MB-2965W(L)		2.1102/2.1220			2.5827/2.5945	0.0980	
		MB-2965W(U)							
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2211AL									
Connecting Rod		36 Lbs.Ft.							
Main Bearing		44 Lbs.Ft.							
10	1587CC (1.6L) 4AGEC DOHC 4 Cyl (1985-1987)			3.189in./81mm x 3.031in./77mm				10	
	1587CC (1.6L) 4AGELC DOHC 4 Cyl (1985-1989)			3.189in./81mm x 3.031in./77mm					
Rod Bearing(4)		TM-1	CB-1361P	STD.,25mm.,50mm.,75mm	1.5742/1.5748	0.0007/0.0032	0.0586	1.6928/1.6938	0.6730
NOTE: Thru 7/87									
Rod Bearing(4)		TM-1	CB-1474P	STD.,25mm.,50mm	1.6529/1.6535	0.0008/0.0032	0.0587	1.7717/1.7726	0.6690
NOTE: From 7/87									
Main Bearing Set 1-2-3-4-5		AL-3	MS-2211AL MB-3764AL	STD.,25mm.,50mm.,75mm	1.8892/1.8898	0.0007/0.0033	0.0789	2.0480/2.0492	0.7874
NOTE: Contains Partial Grooved Main Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S									
Thrust Washer Set		TW-401S	STD	2.1102/2.1220			2.5827/2.5945	0.0980	
		MB-2965W(L)		2.1102/2.1220			2.5827/2.5945	0.0980	
		MB-2965W(U)							
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2211AL									
Connecting Rod		36 Lbs.Ft.							
Main Bearing		44 Lbs.Ft.							
11	1588CC (1.6L) 2TC OHV 4 Cyl (1971-1979)			3.346in./85mm x 2.756in./70mm				11	
Rod Bearing(4)		TM-1	CB-1270P	STD.,25mm.,50mm.,75mm,1.00mm	1.8888/1.8894	0.0014/0.0039	0.0588	2.0079/2.0088	0.7840
Main Bearing Set 1-2-3-4-5		TM-1	MS-1456P MB-623P	STD.,25mm.,50mm	2.2824/2.2831	0.0009/0.0030	0.0786	2.4409/2.4417	0.8190
NOTE: 1972-1979, Contains Straight Shell Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-592S									
Thrust Washer Set		TW-592S	STD	2.5197			2.9921	0.0980	
		MB-3201W(L)		2.5197			2.9921	0.0980	
		MB-3201W(U)							
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1456P									



TOYOTA (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
11 (Cont.)	1588CC (1.6L) 2TC OHV 4 Cyl (1971-1979)				3.346in./85mm x 2.756in./70mm				11 (Cont.)
Cam Bearing Set	B-1	SH-725S	STD						
1		SH-725		1.8290/1.8297	0.0005/0.0044	0.0693	1.9685/1.9693	0.7050	
2		SH-726		1.8193/1.8199	0.0005/0.0044	0.0693	1.9587/1.9595	0.6260	
3		SH-727		1.8094/1.8100	0.0005/0.0044	0.0595	1.9291/1.9299	0.7050	
4		SH-728		1.7996/1.8002	0.0005/0.0044	0.0693	1.9390/1.9398	0.6260	
5		SH-729		1.7898/1.7904	0.0005/0.0044	0.0791	1.9488/1.9496	0.7050	
C/S Forging	1, 4, 10, 17, 25, 5A, 5AK, G46, 59-PK, G9-37, 5G9-37								
Connecting Rod	29 To 36 Lbs.Ft.								
Main Bearing	52 To 63 Lbs.Ft.								
12	1762CC (1.8L) 7AFE DOHC 4 Cyl (1993-1997)				3.189in./81mm x 3.366in./85.5mm				12
Rod Bearing(4)	AL-3	CB-1786AL	STD,.25mm,.50mm	1.8892/1.8898	0.0008/0.0026	0.0587	2.0075/2.0079	0.6693	
Main Bearing Set	AL-3	MS-2211AL	STD,.25mm,.50mm,.75mm						
1-2-3-4-5		MB-3764AL		1.8892/1.8898	0.0007/0.0033	0.0789	2.0480/2.0492	0.7874	
NOTE: Contains Partial Grooved Main Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S									
Thrust Washer Set		TW-401S	STD						
		MB-2965W(L)		2.1102/2.1220			2.5827/2.5945	0.0980	
		MB-2965W(U)		2.1102/2.1220			2.5827/2.5945	0.0980	
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2211AL									
13	1770CC (1.8L) 3TC OHV 4 Cyl (1980-1982)				3.346in./85mm x 3.071in./78mm				13
Rod Bearing(4)	TM-1	CB-1270P	STD,.25mm,.50mm,.75mm,1.00mm	1.8888/1.8894	0.0014/0.0039	0.0588	2.0079/2.0088	0.7840	
Main Bearing Set	TM-1	MS-1456P	STD,.25mm,.50mm						
1-2-3-4-5		MB-623P		2.2824/2.2831	0.0009/0.0030	0.0786	2.4409/2.4417	0.8190	
NOTE: Contains Straight Shell Bearings,Requires Thrust Washer Set, Not Included, Use With Part Number TW-592S									
Thrust Washer Set		TW-592S	STD						
		MB-3201W(L)		2.5197			2.9921	0.0980	
		MB-3201W(U)		2.5197			2.9921	0.0980	
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1456P									
Cam Bearing Set	B-1	SH-725S	STD						
1		SH-725		1.8290/1.8297	0.0005/0.0044	0.0693	1.9685/1.9693	0.7050	
2		SH-726		1.8193/1.8199	0.0005/0.0044	0.0693	1.9587/1.9595	0.6260	
3		SH-727		1.8094/1.8100	0.0005/0.0044	0.0595	1.9291/1.9299	0.7050	
4		SH-728		1.7996/1.8002	0.0005/0.0044	0.0693	1.9390/1.9398	0.6260	
5		SH-729		1.7898/1.7904	0.0005/0.0044	0.0791	1.9488/1.9496	0.7050	
Connecting Rod	29 To 36 Lbs.Ft.								
Main Bearing	52 To 63 Lbs.Ft.								
14	1839CC (1.8L) 1C,1CL Diesel 4 Cyl (1985-1990)				3.268in./83mm x 3.346in./85mm				14
	1974CC (2.0L) 2C,2CL Diesel 4 Cyl (1985-1990)				3.386in./86mm x 3.346in./85mm				
Rod Bearing(4)	AL-3	CB-1438AL	STD	1.9874/1.9882	0.0015/0.0035	0.0583	2.1063/2.1072	0.7440	
NOTE: 1CL From 5/85, 1C,2C,2CL From 8/85									
Main Bearing Set	AL-3	MS-1814AL	STD						
1-2-3-4-5		MB-3194AL		2.2433/2.2441	0.0014/0.0034	0.0783	2.4016/2.4024	0.7870	
NOTE: 1CL From 5/85, 1C,2C,2CL From 8/85, Requires Thrust Washer Set, Not Included, Use With Part Number TW-456S									
Thrust Washer Set		TW-456S	STD						
		MB-3193W(L)		2.4803			3.0236	0.1070	
		MB-3193W(U)		2.4803			3.0236	0.1070	
NOTE: 1CL From 5/85, 1C,2C,2CL From 8/85, Contains 4 Pieces, Position Number 3, Use With Part Number MS-1814AL									
Connecting Rod	50 Lbs.Ft.								
Main Bearing	78 Lbs.Ft.								
15	1839CC (1.8L) 1CLC SOHC Diesel 4 Cyl (1984-1985)				3.268in./83mm x 3.346in./85mm				15
	1839CC (1.8L) 1CTLCL SOHC Turbo Turbocharged Diesel 4 Cyl (1984-1985)				3.268in./83mm x 3.346in./85mm				
	1974CC (2.0L) 2CTLCL SOHC Turbocharged Diesel 4 Cyl (1986)				3.386in./86mm x 3.346in./85mm				
Rod Bearing(4)	AL-3	CB-1403AL	STD	1.9874/1.9882	0.0014/0.0028	0.0583	2.0164/2.0172	0.9330	
Main Bearing Set	AL-3	MS-1710AL	STD,.25mm						
1-2-3-4-5		MB-3193AL		2.2433/2.2441	0.0013/0.0028	0.0781	2.4017/2.4025	0.8660	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-456S									



TOYOTA (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
15 (Cont.)	1839CC (1.8L) 1CLC SOHC Diesel 4 Cyl (1984-1985)				3.268in./83mm x 3.346in./85mm				15 (Cont.)
	1839CC (1.8L) 1CTL C SOHC Turbo Turbocharged Diesel 4 Cyl (1984-1985)				3.268in./83mm x 3.346in./85mm				
	1974CC (2.0L) 2CTL C SOHC Turbocharged Diesel 4 Cyl (1986)				3.386in./86mm x 3.346in./85mm				
Thrust Washer Set		TW-456S	STD						
		MB-3193W(L)		2.4803			3.0236	0.1070	
		MB-3193W(U)		2.4803			3.0236	0.1070	
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1710AL									
Connecting Rod		43 To 51 Lbs.Ft.							
Main Bearing		71 To 81 Lbs.Ft.							
16	1858CC (1.9L) 8RC SOHC 4 Cyl (1969-1971)				3.386in./86mm x 3.150in./80mm				16
Rod Bearing(4)	TM-1	CB-1218P	STD,.25mm,.50mm,.75mm,1.00mm	2.0857/2.0866	0.0008/0.0037	0.0589	2.2047/2.2057	0.8660	
Thrust Washer Set		TW-326S	STD						
		MB-2746W(L)		2.5980/2.6180			3.1260/3.1460	0.0780	
		MB-2746W(U)		2.5980/2.6180			3.1260/3.1460	0.0780	
NOTE: Contains 4 Pieces, Position Number 2									
Cam Bearing Set		B-1	SH-730S	STD					
1			SH-730(L)		1.3768/1.3778	0.0007/0.0053	0.0592	1.4966/1.4976	1.1030
2-3-4			SH-731		1.3768/1.3778	0.0007/0.0053	0.0592	1.4966/1.4976	0.7920
C/S Forging 11, 12, 1B, 1Z, JG, 41R, C1K, L1K, L1M, MFF									
Connecting Rod		43 To 48 Lbs.Ft.							
Main Bearing		72 To 83 Lbs.Ft.							
17	1897CC (1.9L) 3RB OHV,3RC OHV 4 Cyl (1965-1970)				3.465in./88mm x 3.071in./78mm				17
Thrust Washer Set		TW-228S	STD						
		MB-627W(L)		2.6060/2.6180			3.1340/3.1360	0.1160	
		MB-627W(U)		2.6060/2.6180			3.1340/3.1360	0.1160	
NOTE: Contains 4 Pieces, Position Number 3									
Cam Bearing Set		B-1	SH-1065S	STD					
1			SH-759		1.8291/1.8297	0.0014/0.0042	0.0687	1.9685/1.9691	1.1520
2			SH-760		1.8193/1.8199	0.0014/0.0042	0.0736	1.9684/1.9691	0.7970
3			SH-1065		1.8094/1.8100	0.0018/0.0054	0.0783	1.9684/1.9691	1.8210
4			SH-762		1.7996/1.8002	0.0017/0.0049	0.0833	1.9684/1.9691	0.7580
5			SH-763		1.7898/1.7904	0.0017/0.0045	0.0882	1.9684/1.9691	1.1120
C/S Forging NF, GET, NXT									
Connecting Rod		48 To 51 Lbs.Ft.							
Main Bearing		75 To 80 Lbs.Ft.							
18	1968CC (2.0L) 18RC SOHC 4 Cyl (1972-1974)				3.484in./88.5mm x 3.150in./80mm				18
Rod Bearing(4)	TM-1	CB-1218P	STD,.25mm,.50mm,.75mm,1.00mm	2.0857/2.0866	0.0008/0.0037	0.0589	2.2047/2.2057	0.8660	
Cam Bearing Set		B-1	SH-730S	STD					
1			SH-730(L)		1.3768/1.3778	0.0007/0.0053	0.0592	1.4966/1.4976	1.1030
2-3-4			SH-731		1.3768/1.3778	0.0007/0.0053	0.0592	1.4966/1.4976	0.7920
C/S Forging 41R, C1K, G1U, L1M, T27, U27, 11-G, 27-G, G-1-U, L-1-M									
Connecting Rod		42 To 48 Lbs.Ft.							
Main Bearing		72 To 83 Lbs.Ft.							
19	1994CC (2.0L) 5R OHV 4 Cyl (1967-1986)				3.465in./88mm x 3.228in./82mm				19
Rod Bearing(4)	AL-3	CB-992P	STD,.25mm,.50mm,.75mm,1.00mm	2.1648/2.1653	0.0011/0.0033	0.0593	2.2844/2.2850	1.0680	
Main Bearing Set		AL-3	MS-1816P	.50mm					
1			MB-1315P		2.3616/2.3622	0.0011/0.0040	0.0783	2.5197/2.5209	1.1020
2-3			MB-1317P		2.3616/2.3622	0.0011/0.0040	0.0783	2.5197/2.5209	1.4280
NOTE: From 8/78, Requires Thrust Washer Set, Not Included, Use With Part Number TW-326S									
Thrust Washer Set		TW-228S	STD						
		MB-627W(L)		2.6060/2.6180			3.1340/3.1360	0.1160	
		MB-627W(U)		2.6060/2.6180			3.1340/3.1360	0.1160	
NOTE: Thru 9/70, Contains 4 Pieces, Position Number 3									
Thrust Washer Set		TW-326S	STD						
		MB-2746W(L)		2.5980/2.6180			3.1260/3.1460	0.0780	
		MB-2746W(U)		2.5980/2.6180			3.1260/3.1460	0.0780	
NOTE: From 8/78, Contains 4 Pieces, Position Number 2, Use With Part Number MS-1816P									



TOYOTA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
19 (Cont.)	1994CC (2.0L) 5R OHV 4 Cyl (1967-1986)			3.465in./88mm x 3.228in./82mm				19 (Cont.)
Cam Bearing Set	B-1	SH-1065S	STD					
1		SH-759		1.8291/1.8297	0.0014/0.0042	0.0687	1.9685/1.9691	1.1520
2		SH-760		1.8193/1.8199	0.0014/0.0042	0.0736	1.9684/1.9691	0.7970
3		SH-1065		1.8094/1.8100	0.0018/0.0054	0.0783	1.9684/1.9691	1.8210
4		SH-762		1.7996/1.8002	0.0017/0.0049	0.0833	1.9684/1.9691	0.7580
5		SH-763		1.7898/1.7904	0.0017/0.0045	0.0882	1.9684/1.9691	1.1120
NOTE: From 10/70								
Piston Pin Bushing(4)	B	223-3610	STD			0.0411	0.9458	2.8800
Connecting Rod Main Bearing	43 To 51 Lbs.Ft. 76 To 80 Lbs.Ft.							
20	1995CC (2.0L) 2SELC SOHC 4 Cyl (1983-1986)			3.307in./84mm x 3.543in./90mm				20
	1998CC (2.0L) 3SGELC DOHC 4 Cyl (1986-1989)			3.386in./86mm x 3.386in./86mm				
Rod Bearing(4)	AL-3	CB-1406AL	STD,.25mm,.50mm	1.8892/1.8898	0.0009/0.0029	0.0586	2.0079/2.0088	0.8070
Main Bearing Set	AL-3	MS-1714AL	STD,.25mm,.50mm					
1-2-4-5		MB-3200AL		2.1649/2.1655	0.0008/0.0035	0.0787	2.3236/2.3243	0.7480
3		MB-3201AL		2.1649/2.1655	0.0008/0.0035	0.0787	2.3236/2.3243	0.9060
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-592S								
Thrust Washer Set		TW-592S	STD					
		MB-3201W(L)		2.5197			2.9921	0.0980
		MB-3201W(U)		2.5197			2.9921	0.0980
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1714AL								
C/S Forging	3A, 3B, 3E, 3H, 4A, 3AC, 3AH, 3KC, 3SF, 3YA, 40F, 4AC, 4AL, 407N, 45-T, 4196N							
Connecting Rod Main Bearing	36 Lbs.Ft. 43 Lbs.Ft.							
21	1998CC (2.0L) 3SFE DOHC 4 Cyl (1987-1998)			3.386in./86mm x 3.386in./86mm				21
Rod Bearing(4)	AL-3	CB-1406AL	STD,.25mm,.50mm	1.8892/1.8898	0.0009/0.0029	0.0586	2.0079/2.0088	0.8070
NOTE: 1987-1991;1996-1998								
Main Bearing Set	AL-3	MS-1714AL	STD,.25mm,.50mm					
1-2-4-5		MB-3200AL		2.1649/2.1655	0.0008/0.0035	0.0787	2.3236/2.3243	0.7480
3		MB-3201AL		2.1649/2.1655	0.0008/0.0035	0.0787	2.3236/2.3243	0.9060
NOTE: 1987-1991;1996-1998, Requires Thrust Washer Set, Not Included, Use With Part Number TW-592S								
Thrust Washer Set		TW-592S	STD					
		MB-3201W(L)		2.5197			2.9921	0.0980
		MB-3201W(U)		2.5197			2.9921	0.0980
NOTE: 1987-1991;1996-1998, Contains 4 Pieces, Position Number 3, Use With Part Number MS-1714AL								
Piston Pin Bushing(4)	B	223-3653		1.8661		0.0407	0.9449	1.0433
NOTE: 1987-1991								
C/S Forging	3A, 3B, 3E, 3H, 3AC, 3AH, 3KC, 3SF							
Connecting Rod Main Bearing	36 Lbs.Ft. 43 Lbs.Ft.							
22	1998CC (2.0L) 3SGTE DOHC Turbocharged 4 Cyl (1988-1995)			3.386in./86mm x 3.386in./86mm				22
Rod Bearing(4)	TM-1	CB-1439P	STD,.25mm,.50mm	1.8892/1.8898	0.0009/0.0029	0.0586	2.0079/2.0088	0.8390
Main Bearing Set	AL-3	MS-1714AL	STD,.25mm,.50mm					
1-2-4-5		MB-3200AL		2.1649/2.1655	0.0008/0.0035	0.0787	2.3236/2.3243	0.7480
3		MB-3201AL		2.1649/2.1655	0.0008/0.0035	0.0787	2.3236/2.3243	0.9060
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-592S								
Thrust Washer Set		TW-592S	STD					
		MB-3201W(L)		2.5197			2.9921	0.0980
		MB-3201W(U)		2.5197			2.9921	0.0980
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1714AL								
Connecting Rod Main Bearing	36 Lbs.Ft. 43 Lbs.Ft.							
23	1998CC (2.0L) 3YEC OHV 4 Cyl (1984-1985)			3.386in./86mm x 3.386in./86mm				23
	2237CC (2.2L) 4YEC OHV 4 Cyl (1986-1990)			3.583in./91mm x 3.386in./86mm				
Rod Bearing(4)	AL-3	CB-1407AL	STD,.25mm,.50mm,.75mm	1.8892/1.8898	0.0008/0.0026	0.0587	2.0080/2.0087	0.7830



TOYOTA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
23 (Cont.)	1998CC (2.0L) 3YEC OHV 4 Cyl (1984-1985)			3.386in./86mm x 3.386in./86mm				23 (Cont.)
	2237CC (2.2L) 4YEC OHV 4 Cyl (1986-1990)			3.583in./91mm x 3.386in./86mm				
Main Bearing Set 1-2-3-4-5	AL-3	MS-1715AL MB-3207AL	STD,.25mm,.50mm,.75mm	2.2829/2.2835	0.0008/0.0026	0.0783	2.4411/2.4417	0.8150
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-592S								
Thrust Washer Set		TW-592S MB-3201W(L) MB-3201W(U)	STD	2.5197 2.5197			2.9921 2.9921	0.0980 0.0980
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1715AL								
Cam Bearing Set 1	B-1	SH-1396S	STD	1.8291/1.8297	0.0010/0.0032	0.0689	1.9685/1.9697	0.7090
2		SH-1397		1.8193/1.8199	0.0010/0.0032	0.0689	1.9587/1.9598	0.6300
3		SH-1398		1.8094/1.8100	0.0010/0.0032	0.0591	1.9291/1.9303	0.7090
4		SH-1399		1.7996/1.8002	0.0010/0.0032	0.0689	1.9390/1.9402	0.6300
5		SH-1400		1.7897/1.7904	0.0010/0.0032	0.0788	1.9488/1.9500	0.7090
Connecting Rod	36 Lbs.Ft.							
Main Bearing	58 Lbs.Ft.							
24	2164CC (2.2L) 5SFE DOHC 4 Cyl (1990-2001)			3.425in./87mm x 3.583in./91mm				24
Rod Bearing(4)	TM-1	CB-1639P	STD,.25mm,.50mm	2.0468/2.0472	0.0009/0.0030		2.1659/2.1667	
Main Bearing Set 1-2-4-5	TM-1	MS-1714AL MB-3200AL	STD,.25mm,.50mm	2.1649/2.1655	0.0008/0.0035	0.0787	2.3236/2.3243	0.7480
3		MB-3201AL		2.1649/2.1655	0.0008/0.0035	0.0787	2.3236/2.3243	0.9060
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-592S								
Thrust Washer Set		TW-592S MB-3201W(L) MB-3201W(U)	STD	2.5197 2.5197			2.9921 2.9921	0.0980 0.0980
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1714AL								
Piston Pin Bushing(4)	B	223-3653		1.8661		0.0407	0.9449	1.0433
C/S Forging 11M, 17M, 140N, 176H, 11M-14, 1803420C1, 1805420C1, 1802224C92, 1802224C93, 13111-03010-D								
Connecting Rod	18 Lbs.Ft. Plus 90 Degrees							
Main Bearing	43 Lbs.Ft.							
25	2189CC (2.2L) 20R SOHC 4 Cyl (1975-1980)			3.484in./88.5mm x 3.504in./89mm				25
Rod Bearing(4)	TM-1	CB-1218P	STD,.25mm,.50mm,.75mm,1.00mm	2.0857/2.0866	0.0008/0.0037	0.0589	2.2047/2.2057	0.8660
Main Bearing Set 1-2-4-5	TM-1	MS-1428P MB-615P	STD,.25mm,.50mm,.75mm	2.3613/2.3622	0.0006/0.0036	0.0786	2.5197/2.5206	0.8660
3		MB-2746P		2.3613/2.3622	0.0005/0.0044	0.0786	2.5197/2.5206	0.9450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-326S								
Thrust Washer Set		TW-326S MB-2746W(L) MB-2746W(U)	STD	2.5980/2.6180 2.5980/2.6180			3.1260/3.1460 3.1260/3.1460	0.0780 0.0780
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1428P								
C/S Forging N, L1, S2								
Connecting Rod	42 To 48 Lbs.Ft.							
Main Bearing	72 To 80 Lbs.Ft.							
26	2188CC (2.2L) L SOHC Diesel 4 Cyl (1981-1983)			3.543in./90mm x 3.386in./86mm				26
	2446CC (2.4L) 2L SOHC Diesel 4 Cyl (1984-1985)			3.622in./92mm x 3.622in./92mm				
Rod Bearing(4)	AL-3	CB-1325AL	STD,.25mm,.50mm	2.0857/2.0866	0.0011/0.0038	0.0586	2.2047/2.2053	1.0240
Rod Bearing(4)	TM-1	CB-1359P	.75mm	2.0857/2.0866	0.0011/0.0037	0.0585	2.2047/2.2053	0.1024
NOTE: From 2/82								
Thrust Washer Set		TW-400S MB-2926W(L) MB-2926W(U)	STD	2.7560/2.7760 2.7560/2.7760			3.2027/3.2240 3.2027/3.2240	0.0980 0.0980
NOTE: Contains 4 Pieces, Position Number 3MS-1633AL								
Cam Bearing Set 1	AL-3	SH-1248S	STD	1.3763/1.3773	0.0009/0.0030	0.0594	1.4972/1.4982	1.1030
2-3		SH-1248 SH-1249		1.3763/1.3773	0.0009/0.0030	0.0594	1.4972/1.4982	0.7870
NOTE: Contains Flanged Bearing, Use in Lower Half, Position Number 1								



TOYOTA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
26 (Cont.)	2188CC (2.2L) L SOHC Diesel 4 Cyl (1981-1983)				3.543in./90mm x 3.386in./86mm			26 (Cont.)
	2446CC (2.4L) 2L SOHC Diesel 4 Cyl (1984-1985)				3.622in./92mm x 3.622in./92mm			
Connecting Rod	37 To 43 Lbs.Ft. (2188CC (2.2L) L SOHC)							
Connecting Rod	46 Lbs.Ft. (2446CC (2.4L) 2L SOHC)							
Main Bearing	71 To 81 Lbs.Ft. (2188CC (2.2L) L SOHC)							
Main Bearing	76 Lbs.Ft. (2446CC (2.4L) 2L SOHC)							
27	2362CC (2.4L) 2AZFE DOHC VVTi 16 Valve 4 Cyl (2001-2007)				3.484in./88.5mm x 3.780in./96mm			27
Rod Bearing(4)	AL-3	CB-1835AL	STD.,25mm.,50mm	1.8894/1.8898	0.0010	0.0588	2.0079/2.0087	0.6140
Main Bearing Set 1-5	AL-3	MS-2243AL MB-3819ALU	STD.,25mm.,50mm	2.1648/2.1654	0.0005	0.0786	2.3228/2.3235	0.6690
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-619S								
Thrust Washer Set		TW-619S MB-3821W	STD	2.3819/2.3917			3.0610/3.0709	0.0780
NOTE: Contains 2 Pieces, Use With Part Number MS-2243AL								
28	2366CC (2.4L) 22REC SOHC 4 Cyl (1983-1988)				3.622in./92mm x 3.504in./89mm			28
Rod Bearing(4)	TM-1	CB-1218P	STD.,25mm.,50mm.,75mm,1.00mm	2.0857/2.0866	0.0008/0.0037	0.0589	2.2047/2.2057	0.8660
Main Bearing Set 1-2-3-4-5	TM-1	MS-1590P MB-2925P	STD.,25mm.,50mm.,75mm	2.3613/2.3622	0.0006/0.0033	0.0786	2.5197/2.5206	0.8660
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-326S,TW-463S								
Thrust Washer Set		TW-326S MB-2746W(L) MB-2746W(U)	STD	2.5980/2.6180 2.5980/2.6180			3.1260/3.1460 3.1260/3.1460	0.0780 0.0780
NOTE: Thru 3/84, Contains 4 Pieces, Position Number 3, Use With Part Number MS-1590P								
Thrust Washer Set		TW-463S MB-2925W(L) MB-2925W(U)	STD	2.6083 2.6083			3.1260/3.1460 3.1260/3.1460	0.1080 0.1080
NOTE: From 4/84, Contains 4 Pieces, Position Number 3, Use With Part Number MS-1590P								
C/S Forging S2								
Connecting Rod	42 To 48 Lbs.Ft.							
Main Bearing	72 To 80 Lbs.Ft.							
29	2366CC (2.4L) 22R SOHC 4 Cyl (1981-1990)				3.622in./92mm x 3.502in./89mm			29
Rod Bearing(4)	TM-1	CB-1218P	STD.,25mm.,50mm.,75mm,1.00mm	2.0857/2.0866	0.0008/0.0037	0.0589	2.2047/2.2057	0.8660
Main Bearing Set 1-2-4-5	TM-1	MS-1428P MB-615P	STD.,25mm.,50mm.,75mm	2.3613/2.3622	0.0006/0.0036	0.0786	2.5197/2.5206	0.8660
3		MB-2746P		2.3613/2.3622	0.0005/0.0044	0.0786	2.5197/2.5206	0.9450
NOTE: Thru 2/82, Requires Thrust Washer Set, Not Included, Use With Part Number TW-326S								
Main Bearing Set 1-2-3-4-5	TM-1	MS-1590P MB-2925P	STD.,25mm.,50mm.,75mm	2.3613/2.3622	0.0006/0.0033	0.0786	2.5197/2.5206	0.8660
NOTE: From 3/82, Requires Thrust Washer Set, Not Included, Use With Part Number TW-326S								
Thrust Washer Set		TW-326S MB-2746W(L) MB-2746W(U)	STD	2.5980/2.6180 2.5980/2.6180			3.1260/3.1460 3.1260/3.1460	0.0780 0.0780
NOTE: Thru 3/84, Contains 4 Pieces, Position Number 3, Use With Part Number MS-1428P,MS-1590P								
Thrust Washer Set		TW-463S MB-2925W(L) MB-2925W(U)	STD	2.6083 2.6083			3.1260/3.1460 3.1260/3.1460	0.1080 0.1080
NOTE: From 4/84, Contains 4 Pieces, Position Number 3, Use With Part Number MS-1590P								
C/S Forging N, L1, S2, 5 E, 4XCU, 4ZE1, 4XC-U, 4XCUT, 4XC-UT, 508E-6303, 565524DYNA								
Connecting Rod	42 To 48 Lbs.Ft.							
Main Bearing	72 To 80 Lbs.Ft.							
30	2366CC (2.4L) 22RE SOHC 4 Cyl (1989-1995)				3.622in./92mm x 3.504in./89mm			30
	2366CC (2.4L) 22RTEC SOHC Turbocharged 4 Cyl (1985-1988)				3.622in./92mm x 3.504in./89mm			
Rod Bearing(4)	TM-1	CB-1218P	STD.,25mm.,50mm.,75mm,1.00mm	2.0857/2.0866	0.0008/0.0037	0.0589	2.2047/2.2057	0.8660



TOYOTA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
30 (Cont.)	2366CC (2.4L) 22RE SOHC 4 Cyl (1989-1995)			3.622in./92mm x 3.504in./89mm				30 (Cont.)
	2366CC (2.4L) 22RTEC SOHC Turbocharged 4 Cyl (1985-1988)			3.622in./92mm x 3.504in./89mm				
Main Bearing Set 1-2-3-4-5	TM-1	MS-1590P MB-2925P	STD.,25mm.,50mm.,75mm	2.3613/2.3622	0.0006/0.0033	0.0786	2.5197/2.5206	0.8660
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-463S								
Thrust Washer Set		TW-463S MB-2925W(L) MB-2925W(U)	STD	2.6083 2.6083			3.1260/3.1460 3.1260/3.1460	0.1080 0.1080
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1590P								
C/S Forging	S2							
Connecting Rod Main Bearing	42 To 48 Lbs.Ft. 72 To 80 Lbs.Ft.							
31	2438CC (2.4L) 2RZFE DOHC 4 Cyl (1995-2001)			3.740in./95mm x 3.390in./86.1mm				31
Rod Bearing(4)	AL-3	CB-1781AL	STD.,25mm.,50mm	2.0861/2.0866	0.0006/0.0027	0.0590	2.2047/2.2055	0.7795
Main Bearing Set 1-5 2-4 3	AL-3	MS-2212AL MB-3765AL MB-3766AL MB-3770AL	STD.,25mm.,50mm	2.3617/2.3622 2.3617/2.3622 2.3615/2.3620	0.0006/0.0027 0.0006/0.0027 0.0008/0.0029	0.0786 0.0786 0.0786	2.5197/2.5205 2.5197/2.5205 2.5197/2.5205	0.9843 0.9055 0.9055
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-604S								
Thrust Washer Set		TW-604S MB-3762W	STD	2.5591/2.5689			3.5335/3.5433	0.0978
NOTE: Contains 4 Pieces, Use With Part Number MS-2212AL								
32	2446CC (2.4L) 2LT SOHC Turbocharged Diesel 4 Cyl (1985-1987)			3.622in./92mm x 3.622in./92mm				32
Rod Bearing(4)	AL-3	CB-1472AL	STD.,25mm	2.1645/2.1654	0.0011/0.0035	0.0585	2.2828/2.2835	1.0240
Thrust Washer Set		TW-400S MB-2926W(L) MB-2926W(U)	STD	2.7560/2.7760 2.7560/2.7760			3.2027/3.2240 3.2027/3.2240	0.0980 0.0980
NOTE: Contains 4 Pieces, Position Number 3								
Cam Bearing Set 1 2-3	AL-3	SH-1248S SH-1248 SH-1249	STD	1.3763/1.3773 1.3763/1.3773	0.0009/0.0030 0.0009/0.0030	0.0594 0.0594	1.4972/1.4982 1.4972/1.4982	1.1030 0.7870
NOTE: Contains Flanged Bearing, Use in Lower Half, Position Number 1								
Connecting Rod Main Bearing	46 Lbs.Ft. 76 Lbs.Ft.							
33	2694CC (2.7L) 3RZFE DOHC 4 Cyl (1994-2001)			3.740in./95mm x 3.740in./95mm				33
Main Bearing Set 1-5 2-4 3	AL-3	MS-2212AL MB-3765AL MB-3766AL MB-3770AL	STD.,25mm.,50mm	2.3617/2.3622 2.3617/2.3622 2.3615/2.3620	0.0006/0.0027 0.0006/0.0027 0.0008/0.0029	0.0786 0.0786 0.0786	2.5197/2.5205 2.5197/2.5205 2.5197/2.5205	0.9843 0.9055 0.9055
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-401S								
Thrust Washer Set		TW-604S MB-3762W	STD	2.5591/2.5689			3.5335/3.5433	0.0978
NOTE: Contains 4 Pieces, Use With Part Number MS-2212AL								
34	2771CC (2.8L) 5P 4 Cyl (1976-1988)			3.661in./93mm x 4.016in./102mm				34
Rod Bearing(4)	AL-3	CB-1807AL	STD.,25mm.,50mm	2.1654		0.0585	2.2835	1.0866
Main Bearing Set 1-2-4-5 3	TM-1	MS-2217P MB-3778P MB-3779P	STD.,25mm.,50mm	2.7559 2.7559		0.0783 0.0783	2.9134 2.9134	0.8898 1.1654
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-609S								
Thrust Washer Set		TW-609S MB-3777W(U) MB-3777W(L)	STD	3.0020 3.0020		0.1173 0.1173	3.5433	
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2217P								
Cam Bearing Set 1 2 3 4	B-1	SH-1982S SH-1982 SH-1983 SH-1984 SH-1985	STD	1.8573 1.8494 1.8415 1.8337		0.0748 0.0787 0.0827 0.0866	2.0079 2.0079 2.0079 2.0079	0.9449 0.7874 0.7874 0.9449
Piston Pin Bushing(4)	B	223-3661	STD	1.0630		0.0602	1.1811	1.2008



TOYOTA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
35	2977CC (3.0L) 11B Diesel 4 Cyl (1984-1990)			3.740in./95mm x 4.134in./105mm				35
	3431CC (3.4L) 13B Diesel 4 Cyl (1984-1990)			4.016in./102mm x 4.134in./105mm				
	3431CC (3.4L) 13BT Turbocharged Diesel 4 Cyl (1984-1990)			4.016in./102mm x 4.134in./105mm				
	3431CC (3.4L) 3B Diesel 4 Cyl (1980-1990)			4.016in./102mm x 4.134in./105mm				
Rod Bearing(4)	AL-3	CB-1464AL	.50mm	2.4009/2.4016	0.0008/0.0031	0.0585	2.5197/2.5025	1.1810
NOTE: 11B and 13B To 3/88; 13BT To 8/88								
Main Bearing Set	TM-1	MS-1499P	.25mm					
1-2-4-5		MB-2812P		2.7551/2.7559	0.0008/0.0033	0.0980	2.9528/2.9537	1.0870
3		MB-2813P(F)		2.7551/2.7559	0.0008/0.0033	0.0980	2.9528/2.9537	1.3350
NOTE: Thru 8/84, .25mm Undersize Set Contains .15mm Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-1481S	STD					
1		SH-1481		2.1048/2.1053	0.0003/0.0028	0.0791	2.2638/2.2650	0.7870
2		SH-1482		2.0949/2.0955	0.0003/0.0028	0.0791	2.2539/2.2551	0.7870
3		SH-1478		2.0851/2.0856	0.0003/0.0028	0.0594	2.2047/2.2053	0.7870
4		SH-1479		2.0752/2.0758	0.0003/0.0028	0.0644	2.2047/2.2053	0.7870
5		SH-1480		2.0654/2.0659	0.0003/0.0028	0.0742	2.2146/2.2158	0.7870
NOTE: From 6/86,Thru 8/88								
Cam Bearing Set	B-1	SH-1485S	STD					
1		SH-1481		2.1048/2.1053	0.0003/0.0028	0.0791	2.2638/2.2650	0.7870
2		SH-1482		2.0949/2.0955	0.0003/0.0028	0.0791	2.2539/2.2551	0.7870
3		SH-1483		2.0851/2.0856	0.0003/0.0028	0.0791	2.2441/2.2453	0.7870
4		SH-1484		2.0752/2.0758	0.0003/0.0028	0.0841	2.2441/2.2453	0.7870
5		SH-1485		2.0654/2.0659	0.0003/0.0028	0.0939	2.2539/2.2551	0.7870
NOTE: From 9/88								
Connecting Rod	54 Lbs.Ft. (2977CC (3.0L) 11B)							
Connecting Rod	69 Lbs.Ft. (3431CC (3.4L) 13B,3431CC (3.4L) 13BT,3431CC (3.4L) 3B)							
Main Bearing	82 Lbs.Ft.							
36	2977CC (3.0L) B Diesel 4 Cyl (1972-1990)			3.740in./95mm x 4.134in./105mm				36
Rod Bearing(4)	AL-3	CB-1240P	STD	2.3228/2.3320	0.0008/0.0029	0.0587	2.4409/2.4417	1.1810
NOTE: Thru 3/88								
Main Bearing Set	TM-1	MS-1499P	.25mm					
1-2-4-5		MB-2812P		2.7551/2.7559	0.0008/0.0033	0.0980	2.9528/2.9537	1.0870
3		MB-2813P(F)		2.7551/2.7559	0.0008/0.0033	0.0980	2.9528/2.9537	1.3350
NOTE: Thru 8/84, .25mm Undersize Set Contains .15mm Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-1481S	STD					
1		SH-1481		2.1048/2.1053	0.0003/0.0028	0.0791	2.2638/2.2650	0.7870
2		SH-1482		2.0949/2.0955	0.0003/0.0028	0.0791	2.2539/2.2551	0.7870
3		SH-1478		2.0851/2.0856	0.0003/0.0028	0.0594	2.2047/2.2053	0.7870
4		SH-1479		2.0752/2.0758	0.0003/0.0028	0.0644	2.2047/2.2053	0.7870
5		SH-1480		2.0654/2.0659	0.0003/0.0028	0.0742	2.2146/2.2158	0.7870
NOTE: From 6/86,Thru 8/88								
Cam Bearing Set	B-1	SH-1485S	STD					
1		SH-1481		2.1048/2.1053	0.0003/0.0028	0.0791	2.2638/2.2650	0.7870
2		SH-1482		2.0949/2.0955	0.0003/0.0028	0.0791	2.2539/2.2551	0.7870
3		SH-1483		2.0851/2.0856	0.0003/0.0028	0.0791	2.2441/2.2453	0.7870
4		SH-1484		2.0752/2.0758	0.0003/0.0028	0.0841	2.2441/2.2453	0.7870
5		SH-1485		2.0654/2.0659	0.0003/0.0028	0.0939	2.2539/2.2551	0.7870
NOTE: From 9/88								
Connecting Rod	54 Lbs.Ft.							
Main Bearing	82 Lbs.Ft.							
37	3168CC (3.2L) 2B Diesel 4 Cyl (1977-1982)			3.858in./98mm x 4.134in./105mm				37
Rod Bearing(4)	AL-3	CB-1240P	STD	2.3228/2.3320	0.0008/0.0029	0.0587	2.4409/2.4417	1.1810
Main Bearing Set	TM-1	MS-1499P	.25mm					
1-2-4-5		MB-2812P		2.7551/2.7559	0.0008/0.0033	0.0980	2.9528/2.9537	1.0870
3		MB-2813P(F)		2.7551/2.7559	0.0008/0.0033	0.0980	2.9528/2.9537	1.3350
NOTE: Thru 8/84, .25mm Undersize Set Contains .15mm Oversize Length Flanged Bearing								
Connecting Rod	54 Lbs.Ft.							
Main Bearing	82 Lbs.Ft.							



TOYOTA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
38	1992CC (2.0L) 1VZFE DOHC V6 Cyl (1987-1995) 2507CC (2.5L) 2VZFE DOHC V6 Cyl (1988-1991)				3.071in./78mm x 2.736in./69.5mm 3.445in./87.5mm x 2.756in./70mm			38
Rod Bearing(6)	TM-1	CB-1594P	STD.,.25mm,.50mm	1.8892/1.8898	0.0009/0.0034	0.0586	2.0079/2.0088	0.6690
Main Bearing Set 1	TM-1	MS-1954P	STD.,.25mm,.50mm	2.5193/2.5197	0.0010/0.0033	0.0784	2.6775/2.6783	0.8660
2-3-4		MB-3349P MB-3350P		2.5193/2.5197	0.0010/0.0033	0.0784	2.6775/2.6783	0.7874
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-554S								
Thrust Washer Set		TW-554S MB-3350W	STD	2.8051			3.4055	0.0980
NOTE: Contains 4 Pieces, Position Number 2, Use With Part Number MS-1954P								
Connecting Rod	18 Lbs.Ft. Plus 90 Degrees							
Main Bearing	45 Lbs.Ft. Plus 90 Degrees							
39	2253CC (2.3L) 2M SOHC 6 Cyl (1968-1972) 2563CC (2.6L) 4M SOHC 6 Cyl (1971-1979)				2.953in./75mm x 3.346in./85mm 3.150in./80mm x 3.346in./85mm			39
Rod Bearing	TM-1	CB-1280P	STD.,.25mm,.50mm,.75mm,1.00mm	2.0466/2.0472	0.0007/0.0030	0.0591	2.1659/2.1667	0.7880
NOTE: 2253CC (2.3L) 2M SOHC (1968-1972), 2563CC (2.6L) 4M SOHC (1971-1976;1978-1979)								
Main Bearing Set 1-2-3-4-5-6-7	TM-1	MS-1104G MB-627G	STD.,.25mm,.50mm	2.3610/2.3618	0.0008/0.0046	0.0791	2.5205/2.5213	0.8710
NOTE: 2253CC (2.3L) 2M SOHC (1968-1972), 2563CC (2.6L) 4M SOHC (1971-1976;1978-1979), Requires Thrust Washer Set, Not Included, Use With Part Number TW-228S								
Thrust Washer Set		TW-228S MB-627W(L) MB-627W(U)	STD	2.6060/2.6180 2.6060/2.6180			3.1340/3.1360 3.1340/3.1360	0.1160 0.1160
NOTE: 2253CC (2.3L) 2M SOHC (1968-1972), 2563CC (2.6L) 4M SOHC (1971-1976;1978-1979), Contains 4 Pieces, Position Number 4, Use With Part Number MS-1104G								
Cam Bearing Set 1	B-1	SH-730S SH-730(L)	STD	1.3768/1.3778	0.0007/0.0053	0.0592	1.4966/1.4976	1.1030
2-3-4		SH-731		1.3768/1.3778	0.0007/0.0053	0.0592	1.4966/1.4976	0.7920
NOTE: 2253CC (2.3L) 2M SOHC (1968-1972), 2563CC (2.6L) 4M SOHC (1971-1976;1978-1979)								
Piston Pin Bushing(6)	B	223-3611	STD			0.0407	0.9450	0.9760
NOTE: 2253CC (2.3L) 2M SOHC (1968-1972), 2563CC (2.6L) 4M SOHC (1971-1976;1978-1979)								
C/S Forging	2M, 2MG2, L-1M							
Connecting Rod	31 To 34 Lbs.Ft.							
Main Bearing	72 To 78 Lbs.Ft.							
40	2496CC (2.5L) 4VZFE DOHC V6 Cyl (1988-1995) 2959CC (3.0L) 3VZFE DOHC V6 Cyl (1992-1993)				3.445in./87.5mm x 2.724in./69.2mm 3.445in./87.5mm x 3.228in./82mm			40
Rod Bearing(6)	TM-1	CB-1783P	STD.,.25mm,.50mm	2.1648/2.1654	0.0009/0.0035	0.0587	2.2832/2.2840	0.6665
Main Bearing Set 1	TM-1	MS-1954P	STD.,.25mm,.50mm	2.5193/2.5197	0.0010/0.0033	0.0784	2.6775/2.6783	0.8660
2-3-4		MB-3349P MB-3350P		2.5193/2.5197	0.0010/0.0033	0.0784	2.6775/2.6783	0.7874
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-554S								
Thrust Washer Set		TW-554S MB-3350W	STD	2.8051			3.4055	0.0980
NOTE: Contains 4 Pieces, Position Number 2, Use With Part Number MS-1954P								
Connecting Rod	18 Lbs.Ft. Plus 90 Degrees							
Main Bearing	45 Lbs.Ft. Plus 90 Degrees							
41	2563CC (2.6L) 4ME SOHC 6 Cyl (1979-1980) 2759CC (2.8L) 5ME SOHC 6 Cyl (1981-1982)				3.150in./80mm x 3.346in./85mm 3.268in./83mm x 3.346in./85mm			41
Rod Bearing	TM-1	CB-1280P	STD.,.25mm,.50mm,.75mm,1.00mm	2.0466/2.0472	0.0007/0.0030	0.0591	2.1659/2.1667	0.7880
Main Bearing Set 1-2-3-4-5-6-7	TM-1	MS-1104G MB-627G	STD.,.25mm,.50mm	2.3610/2.3618	0.0008/0.0046	0.0791	2.5205/2.5213	0.8710
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-228S								
Thrust Washer Set		TW-228S MB-627W(L) MB-627W(U)	STD	2.6060/2.6180 2.6060/2.6180			3.1340/3.1360 3.1340/3.1360	0.1160 0.1160
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1104G								



TOYOTA (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
41 (Cont.)	2563CC (2.6L) 4ME SOHC 6 Cyl (1979-1980)				3.150in./80mm x 3.346in./85mm				41 (Cont.)
	2759CC (2.8L) 5ME SOHC 6 Cyl (1981-1982)				3.268in./83mm x 3.346in./85mm				
Piston Pin Bushing(6)	B	223-3611	STD			0.0407	0.9450	0.9760	
C/S Forging	2M, 2MG2								
Connecting Rod	31 To 34 Lbs.Ft. (2563CC (2.6L) 4ME SOHC)								
Connecting Rod	33 Lbs.Ft. (2759CC (2.8L) 5ME SOHC)								
Main Bearing	72 To 78 Lbs.Ft. (2563CC (2.6L) 4ME SOHC)								
Main Bearing	75 Lbs.Ft. (2759CC (2.8L) 5ME SOHC)								
42	2759CC (2.8L) 5MGE DOHC 6 Cyl (1982-1988)				3.268in./83mm x 3.346in./85mm				42
Rod Bearing	TM-1	CB-1280P	STD, .25mm, .50mm, .75mm, 1.00mm	2.0466/2.0472	0.0007/0.0030	0.0591	2.1659/2.1667	0.7880	
NOTE: Thru 8/84									
Rod Bearing(6)	TM-1	CB-1437P	STD, .25mm, .50mm, .75mm, 1.00mm	2.0463/2.0472	0.0008/0.0035	0.0590	2.1659/2.1671	0.7870	
NOTE: From 9/84									
Main Bearing Set	TM-1	MS-1104G	STD, .25mm, .50mm	2.3610/2.3618	0.0008/0.0046	0.0791	2.5205/2.5213	0.8710	
1-2-3-4-5-6-7		MB-627G							
NOTE: Thru 8/84, Requires Thrust Washer Set, Not Included, Use With Part Number TW-228S									
Main Bearing Set	TM-1	MS-1774P	STD, .25mm, .50mm, 1.00mm	2.3620/2.3627	0.0006/0.0032	0.0787	2.5206/2.5213	0.9840	
1		MB-3198P							
2-3-4-5-6-7		MB-3199P		2.3620/2.3627	0.0006/0.0032	0.0787	2.5206/2.5213	0.8660	
NOTE: From 9/84, Requires Thrust Washer Set, Not Included, Use With Part Number TW-228S									
Thrust Washer Set		TW-228S	STD	2.6060/2.6180			3.1340/3.1360	0.1160	
		MB-627W(L)							
		MB-627W(U)							
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1104G									
Piston Pin Bushing(6)	B	223-3611	STD			0.0407	0.9450	0.9760	
C/S Forging	2M, 5A, 5AK, 2MG2, 59-PK, 5G9-37								
Connecting Rod	33 Lbs.Ft.								
Main Bearing	75 Lbs.Ft.								
43	2954CC (3.0L) 7MGE DOHC 6 Cyl (1987-1992)				3.268in./83mm x 3.583in./91mm				43
	2954CC (3.0L) 7MGTE DOHC Turbocharged 6 Cyl (1987-1992)				3.268in./83mm x 3.583in./91mm				
Rod Bearing(6)	TM-1	CB-1437P	STD, .25mm, .50mm, .75mm, 1.00mm	2.0463/2.0472	0.0008/0.0035	0.0590	2.1659/2.1671	0.7870	
Main Bearing Set	TM-1	MS-1774P	STD, .25mm, .50mm, 1.00mm	2.3620/2.3627	0.0006/0.0032	0.0787	2.5206/2.5213	0.9840	
1		MB-3198P							
2-3-4-5-6-7		MB-3199P		2.3620/2.3627	0.0006/0.0032	0.0787	2.5206/2.5213	0.8660	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-228S									
Thrust Washer Set		TW-228S	STD	2.6060/2.6180			3.1340/3.1360	0.1160	
		MB-627W(L)							
		MB-627W(U)							
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1774P									
Piston Pin Bushing(6)	B	223-3611	STD			0.0407	0.9450	0.9760	
C/S Forging	6M, 6-H, 77A, 7HA, 74TM, 76TM, 78TM, 81-K, 7243N, 78TM-CA, 7HA-6303								
Connecting Rod	47 Lbs.Ft.								
Main Bearing	75 Lbs.Ft.								
44	2958CC (3.0L) 3VZE SOHC V6 Cyl (1988-1995)				3.445in./87.5mm x 3.228in./82mm				44
Rod Bearing(6)	TM-1	CB-1625P	STD, .25mm, .50mm	2.1648/2.1654	0.0009/0.0024	0.0586	2.2835/2.2844	0.6620	
Main Bearing Set	TM-1	MS-2011P	STD, .25mm, .50mm	2.5191/2.5197	0.0009/0.0017	0.0785	2.6776/2.6783	0.8660	
1		MB-3472P							
2-3-4		MB-3350P		2.5193/2.5197	0.0010/0.0033	0.0784	2.6775/2.6783	0.7874	
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-554S									
Thrust Washer Set		TW-554S	STD	2.8051			3.4055	0.0980	
		MB-3350W							
NOTE: Contains 4 Pieces, Position Number 2, Use With Part Number MS-2011P									
Connecting Rod	18 Lbs.Ft. Plus 90 Degrees								
Main Bearing	45 Lbs.Ft. Plus 90 Degrees								



TOYOTA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
45	2995CC (3.0L) 1MZFE DOHC V6 Cyl (1994-2002)			3.445in./87.5mm x 3.268in./83mm				45
Rod Bearing(6)	TM-1	CB-1833P	STD,.25mm,.50mm	2.0863/2.0866	0.0013/0.0031	0.0584	2.2047/2.2055	0.6300
Main Bearing Set	TM-1	MS-2240P	STD,.25mm,.50mm					
1-4		MB-3815P		2.4011/2.4016	0.0011/0.0031	0.0979	2.5984/2.5992	0.8860
2-3		MB-3814P		2.4011/2.4016	0.0011/0.0031	0.0979	2.5984/2.5992	0.7480
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-618S								
Thrust Washer Set		TW-618S	STD					
		MB-3816W		2.6850/2.6949			3.2953/3.3051	0.0780
NOTE: Contains 4 Pieces, Use With Part Number MS-2240P								
C/S Forging B7								
46	2997CC (3.0L) 2JZGE DOHC 6 Cyl (1993-1998)			3.386in./86mm x 3.386in./86mm				46
2997CC (3.0L) 2JZGTE DOHC Turbocharged 6 Cyl (1993-1998)				3.386in./86mm x 3.386in./86mm				
Rod Bearing(6)	TM-1	CB-1628P	STD,.25mm	2.0465/2.0472	0.0014/0.0021	0.0595	2.1663/2.1670	0.7600
Main Bearing Set	AL-3	MS-2014AL	STD,.25mm					
1		MB-3477AL		2.4403/2.4410	0.0010/0.0018	0.0791	2.5992/2.5998	0.9060
2-3-4-5-6-7		MB-3550AL		2.4403/2.4410	0.0010/0.0018	0.0791	2.5992/2.5998	0.7880
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-589S								
Thrust Washer Set		TW-589S	STD					
		MB-3477W(L)		2.6535			3.2244	0.0776
		MB-3477W(U)		2.6535			3.2244	0.0776
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-2014AL								
Connecting Rod	22 Lbs.Ft. Plus 90 Degrees							
Main Bearing	33 Lbs.Ft. Plus 90 Degrees							
47	3378CC (3.4L) 5VZFE DOHC V6 Cyl (1995-2002)			3.681in./93.5mm x 3.228in./82mm				47
Rod Bearing(6)	TM-1	CB-1783P	STD,.25mm,.50mm	2.1648/2.1654	0.0009/0.0035	0.0587	2.2832/2.2840	0.6665
Main Bearing Set	TM-1	MS-2241P	STD,.25mm,.50mm					
1		MB-3817P		2.5191/2.5197	0.0012/0.0035	0.0783	2.6776/2.6783	0.8660
2-3-4		MB-3818P		2.5191/2.5197	0.0012/0.0035	0.0783	2.6776/2.6783	0.7870
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-554S								
Thrust Washer Set		TW-554S	STD					
		MB-3350W		2.8051			3.4055	0.0980
NOTE: Contains 4 Pieces, Position Number 2, Use With Part Number MS-2241P								
48	3878CC (3.9L) F 6 Cyl (1969-1975)			3.543in./90mm x 4.016in./102mm				48
Rod Bearing(6)	AL-3	CB-1219G	STD,.25mm,.50mm,.75mm,1.00mm	2.1254/2.1260	0.0013/0.0033	0.0547	2.2362/2.2368	1.2960
Main Bearing Set	TM-1	MS-1103G	STD,.25mm					
1		MB-619G		2.6366/2.6378	0.0015/0.0049	0.0978	2.8346/2.8360	1.2650
2		MB-620G		2.6957/2.6968	0.0015/0.0049	0.0978	2.8937/2.8951	1.1860
3		MB-621G(F)		2.7547/2.7599	0.0015/0.0049	0.0978	2.9528/2.9541	1.4170
4		MB-622G		2.8138/2.8150	0.0015/0.0049	0.0978	3.0118/3.0132	1.5800
NOTE: 1969-1971, Dowel Pin Type Main Bearings, .25mm Undersize Set Contains .08mm Oversize Length Flanged Bearing								
Main Bearing Set	TM-1	MS-1429G	STD,.25mm,.50mm,.75mm,1.00mm					
1		MB-2747G		2.6369/2.6378	0.0009/0.0044	0.0983	2.8350/2.8360	1.2600
2		MB-2748G		2.6359/2.6968	0.0009/0.0044	0.0983	2.8941/2.8951	1.1810
3		MB-2749G(F)		2.7550/2.7559	0.0009/0.0044	0.0983	2.9531/2.9541	1.4160
4		MB-2750G		2.8140/2.8149	0.0009/0.0044	0.0983	3.0122/3.0132	1.5870
NOTE: 1972-1975, Locating Lug Type Main Bearings, .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm And 1.00mm Undersize Sets Contains .25mm Oversize Length Flanged Bearing								
Main Bearing Set	TM-1	MS-2087P-.25mm						
1		MB-2747G		2.6369/2.6378	0.0009/0.0044	0.0983	2.8350/2.8360	1.2600
2		MB-2748G		2.6359/2.6968	0.0009/0.0044	0.0983	2.8941/2.8951	1.1810
3		MB-3583P(F)		2.7550/2.7559	0.0009/0.0044	0.0983	2.9531/2.9541	1.4160
4		MB-2750G		2.8140/2.8149	0.0009/0.0044	0.0983	3.0122/3.0132	1.5870
NOTE: 1972-1975, Locating Lug Type Main Bearings, All Sizes Contain Standard Length Flanged Bearing								
Cam Bearing Set	B-1	SH-1060S	STD					
1		SH-1060		1.8880/1.8888	0.0007/0.0048	0.0791	2.0472/2.0486	1.1420
2		SH-1061		1.8289/1.8297	0.0007/0.0048	0.0791	1.9882/1.9894	0.9450
3		SH-1062		1.7699/1.7707	0.0007/0.0048	0.0791	1.9291/1.9303	0.9450
4		SH-1063		1.7108/1.7116	0.0007/0.0048	0.0791	1.8701/1.8713	0.9850



TOYOTA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
48 (Cont.)	3878CC (3.9L) F 6 Cyl (1969-1975)			3.543in./90mm x 4.016in./102mm				48 (Cont.)
C/S Forging	EB7JL, E-B7-JL							
Connecting Rod	35 To 55 Lbs.Ft.							
Main Bearing	76 To 94 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	90 To 108 Lbs.Ft. (Except Rear Bearing Cap)							
49	3956CC (4.0L) 3FE OHV 6 Cyl (1988-1992)			3.701in./94mm x 3.740in./95mm				49
Rod Bearing(6)	AL-3	CB-1440P	STD,.25mm,.50mm,.75mm	2.0861/2.0866	0.0008/0.0028	0.0593	2.2046/2.2054	0.8660
Main Bearing Set	TM-1	MS-1777P	STD,.25mm,.50mm,.75mm					
1		MB-2747G		2.6369/2.6378	0.0009/0.0044	0.0983	2.8350/2.8360	1.2600
2		MB-2748G		2.6359/2.6968	0.0009/0.0044	0.0983	2.8941/2.8951	1.1810
3		MB-3195P		2.7557/2.7565	0.0009/0.0040	0.0983	2.9533/2.9541	1.1030
4		MB-3196P		2.8148/2.8156	0.0009/0.0040	0.0983	3.0124/3.0131	1.5750
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-462S								
Thrust Washer Set		TW-462S	STD					
		MB-3195W(L)		3.0807			3.5827	0.0980
		MB-3195W(U)		3.0807			3.5827	0.0980
NOTE: Contains 4 Pieces, Position Number 3, Use With Part Number MS-1777P								
Cam Bearing Set	B-1	SH-1060S	STD					
1		SH-1060		1.8880/1.8888	0.0007/0.0048	0.0791	2.0472/2.0486	1.1420
2		SH-1061		1.8289/1.8297	0.0007/0.0048	0.0791	1.9882/1.9894	0.9450
3		SH-1062		1.7699/1.7707	0.0007/0.0048	0.0791	1.9291/1.9303	0.9450
4		SH-1063		1.7108/1.7116	0.0007/0.0048	0.0791	1.8701/1.8713	0.9850
Connecting Rod	43 Lbs.Ft.							
Main Bearing	85 Lbs.Ft. (17mm Bolts)							
Main Bearing	99 Lbs.Ft. (19mm Bolts)							
50	4230CC (4.2L) 2F OHV 6 Cyl (1975-1987)			3.701in./94mm x 4.016in./102mm				50
Rod Bearing(6)	AL-3	CB-1219G	STD,.25mm,.50mm,.75mm,1.00mm	2.1254/2.1260	0.0013/0.0033	0.0547	2.2362/2.2368	1.2960
Main Bearing Set	TM-1	MS-1429G	STD,.25mm,.50mm,.75mm,1.00mm					
1		MB-2747G		2.6369/2.6378	0.0009/0.0044	0.0983	2.8350/2.8360	1.2600
2		MB-2748G		2.6359/2.6968	0.0009/0.0044	0.0983	2.8941/2.8951	1.1810
3		MB-2749G(F)		2.7550/2.7559	0.0009/0.0044	0.0983	2.9531/2.9541	1.4160
4		MB-2750G		2.8140/2.8149	0.0009/0.0044	0.0983	3.0122/3.0132	1.5870
NOTE: Locating Lug Type Main Bearings,Thru 10/84, .25mm And .50mm Undersize Sets Contain .15mm Oversize Length Flanged Bearing,.75mm And 1.00mm Undersize Sets Contains .25mm Oversize Length Flanged Bearing								
Main Bearing Set	TM-1	MS-1777P	STD,.25mm,.50mm,.75mm					
1		MB-2747G		2.6369/2.6378	0.0009/0.0044	0.0983	2.8350/2.8360	1.2600
2		MB-2748G		2.6359/2.6968	0.0009/0.0044	0.0983	2.8941/2.8951	1.1810
3		MB-3195P		2.7557/2.7565	0.0009/0.0040	0.0983	2.9533/2.9541	1.1030
4		MB-3196P		2.8148/2.8156	0.0009/0.0040	0.0983	3.0124/3.0131	1.5750
NOTE: From 10/84, Requires Thrust Washer Set, Not Included, Use With Part Number TW-462S								
Main Bearing Set	TM-1	MS-2087P-.25mm						
1		MB-2747G		2.6369/2.6378	0.0009/0.0044	0.0983	2.8350/2.8360	1.2600
2		MB-2748G		2.6359/2.6968	0.0009/0.0044	0.0983	2.8941/2.8951	1.1810
3		MB-3583P(F)		2.7550/2.7559	0.0009/0.0044	0.0983	2.9531/2.9541	1.4160
4		MB-2750G		2.8140/2.8149	0.0009/0.0044	0.0983	3.0122/3.0132	1.5870
NOTE: Locating Lug Type Main Bearings,Thru 10/84, All Sizes Contain Standard Length Flanged Bearing								
Thrust Washer Set		TW-462S	STD					
		MB-3195W(L)		3.0807			3.5827	0.0980
		MB-3195W(U)		3.0807			3.5827	0.0980
NOTE: From 10/84, Contains 4 Pieces, Position Number 3, Use With Part Number MS-1777P								
Cam Bearing Set	B-1	SH-1060S	STD					
1		SH-1060		1.8880/1.8888	0.0007/0.0048	0.0791	2.0472/2.0486	1.1420
2		SH-1061		1.8289/1.8297	0.0007/0.0048	0.0791	1.9882/1.9894	0.9450
3		SH-1062		1.7699/1.7707	0.0007/0.0048	0.0791	1.9291/1.9303	0.9450
4		SH-1063		1.7108/1.7116	0.0007/0.0048	0.0791	1.8701/1.8713	0.9850
C/S Forging	E-B7-JL							



TOYOTA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
50 (Cont.)	4230CC (4.2L) 2F OHV 6 Cyl (1975-1987)				3.701in./94mm x 4.016in./102mm			50 (Cont.)
Connecting Rod	35 To 55 Lbs.Ft.							
Main Bearing	76 To 94 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	90 To 108 Lbs.Ft. (Except Rear Bearing Cap)							
51	4476CC (4.5L) 1FZFE DOHC 6 Cyl (1993-1997)				3.937in./100mm x 3.740in./95mm			51
Rod Bearing(6)	TM-1	CB-1656AL	STD.,25mm,.50mm,.75mm	2.2434/2.2441	0.0013/0.0024	0.0687	2.3829/2.3836	0.8430
Main Bearing Set 1-2-3-4-5-6-7	TM-1	MS-2061AL MB-3551AL	STD.,25mm,.50mm,.75mm	2.7158/2.7165	0.0015/0.0028	0.0981	2.9144/2.9151	0.9210
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-598S								
Thrust Washer Set		TW-598S MB-3551W(L) MB-3551W(U)	STD	2.9587 2.9587			3.6969 3.6969	0.0974 0.0974
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-2061AL								
Connecting Rod	35 Lbs.Ft. Plus 90 Degrees							
Main Bearing	54 Lbs.Ft. Plus 90 Degrees							
TRIUMPH								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
4 CYL				6 CYL (Cont.)				
1147CC (1.2L) 8.5 to 1 Compression	1961-1967	2.728in./69.3mmX2.992in./76mm	1	1998CC (2.0L) 9.25 to 1 Compression	1969-1970	2.953in./75mmX2.992in./76mm	6	
1296CC (1.3L) 9.0 to 1 Compression	1967-1974	2.913in./74mmX2.992in./76mm	2	1998CC (2.0L) 9.5 to 1 Compression	1966-1970	2.953in./75mmX2.992in./76mm	6	
1493CC (1.5L) 7.5 to 1 Compression	1973-1980	2.913in./74mmX3.465in./88mm	3	2498CC (2.5L) 7.5 to 1 Compression	1972-1976	2.941in./74.7mmX3.740in./95mm	6	
1991CC (2.0L) 8.5 to 1 Compression	1954-1962	3.268in./83mmX3.622in./92mm	4	2498CC (2.5L) 8.5 to 1 Compression	1968	2.941in./74.7mmX3.740in./95mm	6	
1998CC (2.0L) 8.0 to 1 Compression	1975-1981	3.555in./90.3mmX3.071in./78mm	5	2498CC (2.5L) 8.6 to 1 Compression	1969-1976	2.941in./74.7mmX3.740in./95mm	6	
2138CC (2.1L) 9.0 to 1 Compression	1963-1967	3.386in./86mmX3.622in./92mm	4	8 CYL				
6 CYL				3528CC (3.5L) Land Rover	1980-1981	3.500in./88.9mmX2.795in./71mm	7	
1998CC (2.0L) 8.0 to 1 Compression	1971-1973	2.953in./75mmX2.992in./76mm	6					
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
GT6	1998CC (2.0L) 9.5 to 1 Compression	1966-1970	6	TR3B	1991CC (2.0L) 8.5 to 1 Compression	1962	4	
GT6	1998CC (2.0L) 8.0 to 1 Compression	1971-1973	6	TR4	1991CC (2.0L) 8.5 to 1 Compression	1962	4	
GT6+	1998CC (2.0L) 9.25 to 1 Compression	1969-1970	6	TR4	2138CC (2.1L) 9.0 to 1 Compression	1963-1964	4	
Herald	1147CC (1.2L) 8.5 to 1 Compression	1961-1967	1	TR4A	2138CC (2.1L) 9.0 to 1 Compression	1965-1967	4	
Herald	1296CC (1.3L) 9.0 to 1 Compression	1967-1971	2	TR6	2498CC (2.5L) 8.6 to 1 Compression	1969-1976	6	
Spitfire	1147CC (1.2L) 8.5 to 1 Compression	1963-1967	1	TR6	2498CC (2.5L) 7.5 to 1 Compression	1972-1976	6	
Spitfire	1296CC (1.3L) 9.0 to 1 Compression	1968-1972	2	TR7	1998CC (2.0L) 8.0 to 1 Compression	1975-1981	5	
Spitfire	1493CC (1.5L) 7.5 to 1 Compression	1973-1980	3	TR8	3528CC (3.5L) Land Rover	1980-1981	7	
TR2	1991CC (2.0L) 8.5 to 1 Compression	1954-1955	4	TR250	2498CC (2.5L) 8.5 to 1 Compression	1968	6	
TR3	1991CC (2.0L) 8.5 to 1 Compression	1956-1957	4	Toledo	1296CC (1.3L) 9.0 to 1 Compression	1970-1974	2	
TR3A	1991CC (2.0L) 8.5 to 1 Compression	1958-1961	4					



TRIUMPH (Cont.)											
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1G5B	2.992in./76mm	6	1746N	3.071in./78mm	5	301431	3.622in./92mm	4	581921	3.622in./92mm	4
1G5B	3.071in./78mm	5	10801Z106	3.622in./92mm	4	303034	2.992in./76mm	6	10801280	3.622in./92mm	4
1746N	2.992in./76mm	6	301015	3.622in./92mm	4	303034	3.071in./78mm	5	RRYEINGU	3.740in./95mm	6
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL											
1	1147CC (1.2L) 8.5 to 1 Compression 4 Cyl (1961-1967)						2.728in./69.3mm x 2.992in./76mm				1
Rod Bearing(4)	AL-3	CB-727P	STD			1.6250/1.6256	0.0011/0.0031	0.0722	1.7705/1.7710	0.6920	
Connecting Rod	42 To 46 Lbs.Ft.										
Main Bearing	55 To 60 Lbs.Ft.										
2	1296CC (1.3L) 9.0 to 1 Compression 4 Cyl (1967-1974)						2.913in./74mm x 2.992in./76mm				2
Rod Bearing(4)	AL-3	CB-727P	STD			1.6250/1.6256	0.0011/0.0031	0.0722	1.7705/1.7710	0.6920	
NOTE: 1967-1969											
Rod Bearing(4)	AL-3	CB-982P	STD,10,20,30			1.8750/1.8755	0.0016/0.0036	0.0722	2.0210/2.0215	0.6920	
NOTE: 1970-1974											
Main Bearing Set 1-2-3	AL-3	MS-1109P MB-617P	20			2.3110/2.3115	0.0015/0.0036	0.0720	2.4570/2.4575	0.8550	
NOTE: 1970-1974, Requires Thrust Washer Set, Not Included											
Connecting Rod	42 To 46 Lbs.Ft.										
Connecting Rod	45 Lbs.Ft. (1970-1974,)										
Main Bearing	55 To 60 Lbs.Ft. (1967-1969,)										
Main Bearing	65 Lbs.Ft. (1970-1972,)										
3	1493CC (1.5L) 7.5 to 1 Compression 4 Cyl (1973-1980)						2.913in./74mm x 3.465in./88mm				3
Rod Bearing(4)	AL-3	CB-982P	STD,10,20,30			1.8750/1.8755	0.0016/0.0036	0.0722	2.0210/2.0215	0.6920	
Main Bearing Set 1-2-3	AL-3	MS-1109P MB-617P	20			2.3110/2.3115	0.0015/0.0036	0.0720	2.4570/2.4575	0.8550	
NOTE: Requires Thrust Washer Set, Not Included											
Connecting Rod	45 Lbs.Ft. (1970-1972,)										
Main Bearing	65 Lbs.Ft.										
4	1991CC (2.0L) 8.5 to 1 Compression 4 Cyl (1954-1962)						3.268in./83mm x 3.622in./92mm				4
2138CC (2.1L) 9.0 to 1 Compression 4 Cyl (1963-1967)						3.386in./86mm x 3.622in./92mm					
Rod Bearing(4)	AL-3	CB-496AL-10 CB-496AL				2.0860/2.0866	0.0020/0.0044	0.0724	2.2327/2.2335	0.9750	
C/S Forging	301015, 301431, 581921, 10801280, 10801Z106										
Connecting Rod	55 To 60 Lbs.Ft.										
Main Bearing	85 To 90 Lbs.Ft.										
5	1998CC (2.0L) 8.0 to 1 Compression 4 Cyl (1975-1981)						3.555in./90.3mm x 3.071in./78mm				5
Rod Bearing(4)	AL-3	CB-1015AL-10	20			2.3700/2.3800				2.8400/2.8500	0.0920
Thrust Washer Set		TW-241S MB-689W	STD								
NOTE: Contains 2 Pieces, Position Number 3											
C/S Forging	1G5B, 1746N, 303034										
Connecting Rod	45 Lbs.Ft.										
Main Bearing	65 Lbs.Ft.										
6 CYL											
6	1998CC (2.0L) 8.0 to 1 Compression 6 Cyl (1971-1973)						2.953in./75mm x 2.992in./76mm				6
	1998CC (2.0L) 9.25 to 1 Compression 6 Cyl (1969-1970)						2.953in./75mm x 2.992in./76mm				
	1998CC (2.0L) 9.5 to 1 Compression 6 Cyl (1966-1970)						2.953in./75mm x 2.992in./76mm				
	2498CC (2.5L) 7.5 to 1 Compression 6 Cyl (1972-1976)						2.941in./74.7mm x 3.740in./95mm				
	2498CC (2.5L) 8.5 to 1 Compression 6 Cyl (1968)						2.941in./74.7mm x 3.740in./95mm				
	2498CC (2.5L) 8.6 to 1 Compression 6 Cyl (1969-1976)						2.941in./74.7mm x 3.740in./95mm				
Rod Bearing(6)	AL-3	CB-982P	STD,10,20,30			1.8750/1.8755	0.0016/0.0036	0.0722	2.0210/2.0215	0.6920	
C/S Forging	1G5B, 1746N, 303034, RRYEINGU										
Connecting Rod	38 To 42 Lbs.Ft.										
Main Bearing	55 To 60 Lbs.Ft.										
8 CYL											
7	3528CC (3.5L) Land Rover V8 Cyl (1980-1981)						3.500in./88.9mm x 2.795in./71mm				7
Rod Bearing(8)	TM-77	CB-610P	STD,1,10,20,30,40,G60			1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420	



TRIUMPH (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
7 (Cont.)	3528CC (3.5L) Land Rover V8 Cyl (1980-1981)			3.500in./88.9mm x 2.795in./71mm				7 (Cont.)
Main Bearing Set 1-2-4-5 3	TM-77	MS-558P MB-3135P MB-2075P(F)	STD,10	2.2983/2.2993 2.2983/2.2993	0.0003/0.0033 0.0006/0.0036	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.0580
Connecting Rod	30 To 45 Lbs.Ft.							
Main Bearing	50 To 55 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	65 To 70 Lbs.Ft. (Rear Bearing Cap)							
VOLKSWAGEN								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
4 CYL				4 CYL (Cont.)				
1192CC (1.2L) 30 B.H.P.	1954-1965	3.031in./77mmX2.513in./64mm	1	1715CC (1.7L) WT	1982-1983	3.130in./79.5mmX3.386in./86mm	5	
1192CC (1.2L) 34 B.H.P.	1961-1965	3.031in./77mmX2.513in./64mm	1	1780CC (1.8L)	1990-1992	3.189in./81mmX3.386in./86mm	8	
1192CC (1.2L) 36 B.H.P.	1954-1960	3.031in./77mmX2.513in./64mm	2	2H/ABG/HT/PF/PG/RD/ RV/UM Supercharged				
1192CC (1.2L) 40 Horsepower	1961-1964	3.031in./77mmX2.513in./64mm	3	1780CC (1.8L) JH SOHC	1983-1989	3.189in./81mmX3.386in./86mm	8	
1285CC (1.3L) F	1966	3.031in./77mmX2.716in./69mm	4	1780CC (1.8L) JN	1984-1989	3.189in./81mmX3.386in./86mm	8	
1457CC (1.5L) EH/FX	1978-1980	3.130in./79.5mmX2.874in./73mm	5	1780CC (1.8L) PL DOHC - 16 Valve	1986-1989	3.189in./81mmX3.386in./86mm	8	
1471CC (1.5L) CK Diesel	1977-1980	3.012in./76.5mmX3.150in./80mm	6	1781CC (1.8L) AEB Turbocharged/Intercooled	1998-2002	3.189in./81mmX3.402in./86.4mm	10	
1471CC (1.5L) FC/FG/XR/XS Gas	1974-1975	3.012in./76.5mmX3.150in./80mm	6	1795CC (1.8L) EC	1974	3.661in./93mmX2.598in./66mm	9	
1471CC (1.5L) XV/XW/XY/XZ Gas	1974	3.012in./76.5mmX3.150in./80mm	6	1795CC (1.8L) ED	1974-1975	3.661in./93mmX2.598in./66mm	9	
1493CC (1.5L) 50 B.H.P./HO	1965-1967	3.366in./85.5mmX2.716in./69mm	7	1896CC (1.9L) 1Z Turbocharged Diesel	1996-1997	3.130in./79.5mmX3.759in./95.5mm	11	
1493CC (1.5L) H	1967-1969	3.268in./83mmX2.716in./69mm	4	1896CC (1.9L) AAZ Turbocharged Diesel	1993-1997	3.130in./79.5mmX3.759in./95.5mm	11	
1584CC (1.6L)	1966-1979	3.366in./85.5mmX2.716in./69mm	4	1896CC (1.9L) AHH Turbocharged Diesel	1998	3.130in./79.5mmX3.759in./95.5mm	11	
1584CC (1.6L) B	1968-1979	3.366in./85.5mmX2.716in./69mm	4	1896CC (1.9L) AHU Turbocharged Diesel	1997-1999	3.130in./79.5mmX3.759in./95.5mm	11	
1588CC (1.6L) CR Diesel	1981-1983	3.012in./76.5mmX3.386in./86mm	8	1896CC (1.9L) ALH Turbocharged Diesel	1998-2002	3.130in./79.5mmX3.759in./95.5mm	11	
1588CC (1.6L) CS Diesel	1982-1984	3.012in./76.5mmX3.386in./86mm	8	1970CC (2.0L) BHP/GD/GE	1976-1979	3.701in./94mmX2.795in./71mm	9	
1588CC (1.6L) CY Turbo	1982-1984	3.130in./79.5mmX3.150in./80mm	8	1984CC (2.0L) 9A DOHC	1990-1994	3.248in./82.5mmX3.661in./93mm	8	
1588CC (1.6L) EE	1977	3.130in./79.5mmX3.150in./80mm	6	1984CC (2.0L) ABA SOHC	1993-2002	3.248in./82.5mmX3.649in./92.7mm	8	
1588CC (1.6L) EJ	1979-1980	3.130in./79.5mmX3.150in./80mm	6	1984CC (2.0L) AEG SOHC	1998-2002	3.252in./82.6mmX3.649in./92.7mm	8	
1588CC (1.6L) FN	1976	3.130in./79.5mmX3.150in./80mm	6					
1588CC (1.6L) JK Diesel	1982-1984	3.012in./76.5mmX3.386in./86mm	8					
1588CC (1.6L) MD Turbo	1985	3.130in./79.5mmX3.150in./80mm	8					
1588CC (1.6L) ME Diesel	1985	3.130in./79.5mmX3.150in./80mm	8					
1588CC (1.6L) MF Turbo	1985-1986	3.130in./79.5mmX3.150in./80mm	8					
1588CC (1.6L) SOHC 8 Valve Turbocharged Diesel	1992	3.012in./76.5mmX3.385in./86mm	8					
1588CC (1.6L) YG	1976-1980	3.130in./79.5mmX3.150in./80mm	6					
1588CC (1.6L) YH	1976-1980	3.130in./79.5mmX3.150in./80mm	6					
1588CC (1.6L) YK	1976-1980	3.130in./79.5mmX3.150in./80mm	6					
1679CC (1.7L)	1971-1973	3.543in./90mmX2.598in./66mm	9					
1679CC (1.7L) CB	1972-1974	3.543in./90mmX2.598in./66mm	9					
1715CC (1.7L) EN	1981-1984	3.130in./79.5mmX3.386in./86mm	5					
1715CC (1.7L) JF	1982-1984	3.130in./79.5mmX3.386in./86mm	5					
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
Beetle	1192CC (1.2L) 30 B.H.P.	1954-1965	1	Corrado	2792CC (2.8L) AAA	1992-1995	15	
Beetle	1192CC (1.2L) 34 B.H.P.	1961-1965	1	Dasher	1471CC (1.5L) XV/XW/XY/XZ Gas	1974	6	
Beetle	1285CC (1.3L) F	1966	4	Dasher	1471CC (1.5L) FC/FG/XR/XS Gas	1975	6	
Beetle	1493CC (1.5L) H	1967-1969	4	Dasher	1471CC (1.5L) CK Diesel	1979-1980	6	
Beetle	1584CC (1.6L)	1970-1979	4	Dasher	1588CC (1.6L) YG	1976-1980	6	
Cabrio	1984CC (2.0L) ABA SOHC	1995-2002	8	Dasher	1588CC (1.6L) YH	1976-1980	6	
Cabriolet	1780CC (1.8L) JH SOHC	1984-1989	8	Dasher	1588CC (1.6L) YK	1976-1980	6	
Corrado	1780CC (1.8L)	1990-1992	8	Dasher				
	2H/ABG/HT/PF/PG/RD/RV/UM							



VOLKSWAGEN (Cont.)

MODEL DATA (Cont.)

Model	Engine	Years	Block	Model	Engine	Years	Block
Dasher	1588CC (1.6L) CR Diesel	1981	8	Quantum	1588CC (1.6L) CY Turbo Diesel	1982-1984	8
Fox	1780CC (1.8L) JN	1986-1989	8	Quantum	1588CC (1.6L) MD Turbo Diesel	1985	8
GTI	1984CC (2.0L) AEG	1999-2000	8	Quantum	1715CC (1.7L) WT	1982-1983	5
Golf	1588CC (1.6L) ME Diesel	1985	8	Quantum	1780CC (1.8L) JN	1984-1985	8
Golf	1780CC (1.8L) PL DOHC - 16 Valve	1987-1989	8	Quantum	2144CC (2.2L) WE	1983	13
Golf	1896CC (1.9L) 1Z Diesel	1996-1997	11	Quantum	2144CC (2.2L) KM	1984	12
Golf	1896CC (1.9L) AAZ Diesel	1993-1997	11	Quantum	2226CC (2.2L) JT/KX	1985-1988	12
Golf	1896CC (1.9L) AHU Diesel	1997-1999	11	Rabbit	1457CC (1.5L) EH/FX	1978-1979	5
Golf	1896CC (1.9L) ALH Diesel	1999-2002	11	Rabbit	1471CC (1.5L) FC/FG/XR/XS Gas	1975	6
Golf	1984CC (2.0L) 9A DOHC	1990-1992	8	Rabbit	1471CC (1.5L) CK Diesel	1977-1980	6
Golf	1984CC (2.0L) ABA SOHC	1993-1999	8	Rabbit	1471CC (1.5L) CK Diesel	1980	6
Golf	1984CC (2.0L) AEG	1999-2001	8	Rabbit	1588CC (1.6L) FN	1976	6
Golf	2792CC (2.8L) AAA	1995-1998	15	Rabbit	1588CC (1.6L) EE	1977	6
Jetta	1588CC (1.6L) EJ	1980	6	Rabbit	1588CC (1.6L) EJ	1980	6
Jetta	1588CC (1.6L) CR Diesel	1981-1982	8	Rabbit	1588CC (1.6L) EJ	1980	6
Jetta	1588CC (1.6L) CY Turbo Diesel	1982-1984	8	Rabbit	1588CC (1.6L) CR Diesel	1981-1983	8
Jetta	1588CC (1.6L) JK Diesel	1984	8	Rabbit	1588CC (1.6L) CR Diesel	1981-1983	8
Jetta	1588CC (1.6L) ME Diesel	1985	8	Rabbit	1588CC (1.6L) CY Turbo Diesel	1982-1984	8
Jetta	1588CC (1.6L) MF Turbo Diesel	1985-1986	8	Rabbit	1588CC (1.6L) JK Diesel	1983-1984	8
Jetta	1588CC (1.6L) SOHC 8 Valve Diesel	1992	8	Rabbit	1588CC (1.6L) JK Diesel	1984	8
Jetta	1715CC (1.7L) EN	1981-1984	5	Rabbit	1715CC (1.7L) EN	1981-1984	5
Jetta	1780CC (1.8L) JH SOHC	1984	8	Rabbit	1715CC (1.7L) JF	1982-1984	5
Jetta	1780CC (1.8L) PL DOHC - 16 Valve	1987-1989	8	Rabbit	1715CC (1.7L) EN	1981-1984	5
Jetta	1896CC (1.9L) 1Z Diesel	1996	11	Rabbit	1715CC (1.7L) JF	1982	5
Jetta	1896CC (1.9L) AAZ Diesel	1993-1997	11	Rabbit	1780CC (1.8L) JH SOHC	1984	8
Jetta	1896CC (1.9L) AHU Diesel	1997-1998	11	Scirocco	1457CC (1.5L) EH/FX	1978	5
Jetta	1896CC (1.9L) ALH Diesel	1998-2002	11	Scirocco	1471CC (1.5L) FC/FG/XR/XS Gas	1974-1975	6
Jetta	1984CC (2.0L) 9A DOHC	1990-1992	8	Scirocco	1588CC (1.6L) FN	1976	6
Jetta	1984CC (2.0L) ABA SOHC	1993-1999	8	Scirocco	1588CC (1.6L) EE	1977	6
Jetta	1984CC (2.0L) AEG	1999-2001	8	Scirocco	1588CC (1.6L) EJ	1979-1980	6
Jetta	2792CC (2.8L) AAA	1994-1998	15	Scirocco	1715CC (1.7L) EN	1981-1983	5
Karmann Ghia	1192CC (1.2L) 30 B.H.P.	1956-1965	1	Scirocco	1780CC (1.8L) JH SOHC	1983-1989	8
Karmann Ghia	1285CC (1.3L) F	1966	4	Scirocco	1780CC (1.8L) PL DOHC - 16 Valve	1986-1989	8
Karmann Ghia	1493CC (1.5L) H	1967-1969	4	Super Beetle	1584CC (1.6L)	1971-1979	4
Karmann Ghia	1584CC (1.6L)	1970-1974	4	Thing	1584CC (1.6L)	1973-1974	4
New Beetle	1896CC (1.9L) ALH Diesel	1998-2002	11	Type 2 Transporter	1192CC (1.2L) 36 B.H.P.	1954-1960	2
New Beetle	1984CC (2.0L) AEG	1998-2001	8	Type 2 Transporter	1192CC (1.2L) 40 Horsepower	1961-1964	3
Passat	1780CC (1.8L)	1991-1992	8	Type 2 Transporter	1493CC (1.5L) 50 B.H.P./HO	1965-1967	7
Passat	2H/ABG/HT/PF/PG/RD/RV/UM			Type 2 Transporter	1584CC (1.6L) B	1968-1979	4
Passat	1781CC (1.8L) AEB	1998-2000	10	Type 2 Transporter	1679CC (1.7L) CB	1972-1974	9
Passat	1896CC (1.9L) 1Z Diesel	1996-1997	11	Type 2 Transporter	1795CC (1.8L) ED	1974-1975	9
Passat	1896CC (1.9L) AAZ Diesel	1993-1997	11	Type 2 Transporter	1970CC (2.0L) BHP/GD/GE	1976-1979	9
Passat	1896CC (1.9L) AHH Diesel	1998	11	Type 3	1584CC (1.6L)	1966-1973	4
Passat	1984CC (2.0L) 9A DOHC	1990-1994	8	Fastback/Squareback			
Passat	1984CC (2.0L) ABA SOHC	1995-1997	8	Type 4	1679CC (1.7L)	1971-1972	9
Passat	2771CC (2.8L) AHA DOHC Audi	1998-2000	14	Type 4	1795CC (1.8L) EC	1974	9
Passat	2792CC (2.8L) AAA	1992-1997	15	Vanagon	1588CC (1.6L) CS Diesel	1982-1984	8

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
035D	3.386in./86mm	10	035D	3.386in./86mm	9	391101	3.150in./80mm	4	A1456	3.150in./80mm	4

COUNTER DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes

SHOP DATA

Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	1192CC (1.2L) 30 B.H.P. 4 Cyl (1954-1965)	3.031in./77mm x 2.513in./64mm	1
	1192CC (1.2L) 34 B.H.P. 4 Cyl (1961-1965)	3.031in./77mm x 2.513in./64mm	
Rod Bearing(4)	TM-77 CB-780P	STD.,.25mm.,.50mm.,.75mm.,1.00mm	2.1640/2.1650
NOTE: 1192CC (1.2L) 30 B.H.P. (1961-1965), 1192CC (1.2L) 34 B.H.P. (1961-1965)			0.0010/0.0035 0.0550 2.2755/2.2760 0.6930



VOLKSWAGEN (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
1 (Cont.)	1192CC (1.2L) 30 B.H.P. 4 Cyl (1954-1965)			3.031in./77mm x 2.513in./64mm					1 (Cont.)
	1192CC (1.2L) 34 B.H.P. 4 Cyl (1961-1965)			3.031in./77mm x 2.513in./64mm					
Main Bearing Set	AL-1	MS-822AL	STD.,25mm.,50mm						
1		MB-2391AL(F)		2.1642/2.1650	0.0015/0.0038	0.1963	2.5591/2.5598	1.0610	
2		MB-2392P		2.1642/2.1650	0.0005/0.0028	0.1982	2.5591/2.5598	0.8660	
3		MB-2393AL		2.1642/2.1650	0.0011/0.0036	0.1965	2.5591/2.5598	0.8660	
4		MB-2394AL		1.5742/1.5748	0.0013/0.0033	0.1962	1.9685/1.9691	0.5910	
NOTE: 1192CC (1.2L) 30 B.H.P. (1961-1965), 1192CC (1.2L) 34 B.H.P. (1961-1965), Install Flanged Bearing In Number 1 Position, Flywheel End									
Cam Bearing Set	B-1	SH-735S	STD						
1		SH-133		0.9837/0.9843	0.0009/0.0031	0.0490	1.0827/1.0835	0.7840	
2		SH-134		0.9837/0.9843	0.0009/0.0031	0.0490	1.0827/1.0835	0.9020	
3		SH-135(L)		0.9837/0.9843	0.0009/0.0031	0.0490	1.0827/1.0835	1.1020	
NOTE: 1192CC (1.2L) 30 B.H.P. (1965), 1192CC (1.2L) 34 B.H.P. (1965), Left Half Of Number 3 Position Is Flanged									
Piston Pin Bushing(4)	C-1	223-3551	STD			0.1000	0.8661	0.9606	
NOTE: Requires Light Reaming									
Connecting Rod	22 To 25 Lbs.Ft.								
Main Bearing	14 Lbs.Ft. (8mm Bolts)								
Main Bearing	18 To 25 Lbs.Ft. (12mm Bolts)								
2	1192CC (1.2L) 36 B.H.P. 4 Cyl (1954-1960)			3.031in./77mm x 2.513in./64mm					2
Rod Bearing(4)	TM-77	CB-780P	STD.,25mm.,50mm.,75mm,1.00mm	2.1640/2.1650	0.0010/0.0035	0.0550	2.2755/2.2760	0.6930	
Main Bearing Set	AL-1	MS-822AL	STD.,25mm.,50mm						
1		MB-2391AL(F)		2.1642/2.1650	0.0015/0.0038	0.1963	2.5591/2.5598	1.0610	
2		MB-2392P		2.1642/2.1650	0.0005/0.0028	0.1982	2.5591/2.5598	0.8660	
3		MB-2393AL		2.1642/2.1650	0.0011/0.0036	0.1965	2.5591/2.5598	0.8660	
4		MB-2394AL		1.5742/1.5748	0.0013/0.0033	0.1962	1.9685/1.9691	0.5910	
NOTE: Install Flanged Bearing In Number 1 Position, Flywheel End									
Piston Pin Bushing(4)	C-1	223-3551	STD			0.1000	0.8661	0.9606	
NOTE: Requires Light Reaming									
3	1192CC (1.2L) 40 Horsepower 4 Cyl (1961-1964)			3.031in./77mm x 2.513in./64mm					3
Rod Bearing(4)	TM-77	CB-780P	STD.,25mm.,50mm.,75mm,1.00mm	2.1640/2.1650	0.0010/0.0035	0.0550	2.2755/2.2760	0.6930	
Main Bearing Set	AL-1	MS-822AL	STD.,25mm.,50mm						
1		MB-2391AL(F)		2.1642/2.1650	0.0015/0.0038	0.1963	2.5591/2.5598	1.0610	
2		MB-2392P		2.1642/2.1650	0.0005/0.0028	0.1982	2.5591/2.5598	0.8660	
3		MB-2393AL		2.1642/2.1650	0.0011/0.0036	0.1965	2.5591/2.5598	0.8660	
4		MB-2394AL		1.5742/1.5748	0.0013/0.0033	0.1962	1.9685/1.9691	0.5910	
NOTE: Install Flanged Bearing In Number 1 Position, Flywheel End									
4	1285CC (1.3L) F 4 Cyl (1966)			3.031in./77mm x 2.716in./69mm					4
	1493CC (1.5L) H 4 Cyl (1967-1969)			3.268in./83mm x 2.716in./69mm					
	1584CC (1.6L) 4 Cyl (1966-1979)			3.366in./85.5mm x 2.716in./69mm					
	1584CC (1.6L) B 4 Cyl (1968-1979)			3.366in./85.5mm x 2.716in./69mm					
Rod Bearing(4)	TM-77	CB-780P	STD.,25mm.,50mm.,75mm,1.00mm	2.1640/2.1650	0.0010/0.0035	0.0550	2.2755/2.2760	0.6930	
Main Bearing Set	AL-1	MS-822AL	STD.,25mm.,50mm						
1		MB-2391AL(F)		2.1642/2.1650	0.0015/0.0038	0.1963	2.5591/2.5598	1.0610	
2		MB-2392P		2.1642/2.1650	0.0005/0.0028	0.1982	2.5591/2.5598	0.8660	
3		MB-2393AL		2.1642/2.1650	0.0011/0.0036	0.1965	2.5591/2.5598	0.8660	
4		MB-2394AL		1.5742/1.5748	0.0013/0.0033	0.1962	1.9685/1.9691	0.5910	
NOTE: Install Flanged Bearing In Number 1 Position, Flywheel End									
Cam Bearing Set	B-1	SH-735S	STD						
1		SH-133		0.9837/0.9843	0.0009/0.0031	0.0490	1.0827/1.0835	0.7840	
2		SH-134		0.9837/0.9843	0.0009/0.0031	0.0490	1.0827/1.0835	0.9020	
3		SH-135(L)		0.9837/0.9843	0.0009/0.0031	0.0490	1.0827/1.0835	1.1020	
NOTE: Left Half Of Number 3 Position Is Flanged									
Piston Pin Bushing(4)	C-1	223-3552	STD			0.0900	0.9437/0.9449	0.9213	
NOTE: 1285CC (1.3L) F (1966), 1493CC (1.5L) H (1967-1969), 1584CC (1.6L) (1966-1978), 1584CC (1.6L) B (1968-1978). Requires Light Reaming									



VOLKSWAGEN (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
4 (Cont.)	1285CC (1.3L) F 4 Cyl (1966)				3.031in./77mm x 2.716in./69mm			4 (Cont.)
	1493CC (1.5L) H 4 Cyl (1967-1969)				3.268in./83mm x 2.716in./69mm			
	1584CC (1.6L) 4 Cyl (1966-1979)				3.366in./85.5mm x 2.716in./69mm			
	1584CC (1.6L) B 4 Cyl (1968-1979)				3.366in./85.5mm x 2.716in./69mm			
Connecting Rod		22 To 25 Lbs.Ft.						
Main Bearing		14 Lbs.Ft. (8mm Bolts)						
Main Bearing		18 To 25 Lbs.Ft. (12mm Bolts)						
5	1457CC (1.5L) EH/FX 4 Cyl (1978-1980)				3.130in./79.5mm x 2.874in./73mm			5
	1715CC (1.7L) EN 4 Cyl (1981-1984)				3.130in./79.5mm x 3.386in./86mm			
	1715CC (1.7L) JF 4 Cyl (1982-1984)				3.130in./79.5mm x 3.386in./86mm			
	1715CC (1.7L) WT 4 Cyl (1982-1983)				3.130in./79.5mm x 3.386in./86mm			
Rod Bearing(4)	TM-77	CB-1017P	STD.,25mm.,50mm.,75mm	1.8087/1.8094	0.0016/0.0040	0.0593	1.9291/1.9298	0.7480
Main Bearing Set	AL-3	MS-1659P	STD.,25mm.,50mm					
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.7280
3		MB-693AL(F)		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.9820
NOTE: Undersize Sets Contain .10mm Oversize Length Flanged Bearing,Will Also Service Engines Equipped With Thrust Washers								
Main Bearing Set	AL-3	MS-2070P-.25mm						
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.7280
3		MB-3567P(F)		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.9820
NOTE: All Sizes Contain Standard Length Flanged Bearing,Will Also Service Engines Equipped With Thrust Washers								
Aux. Shaft Bearing Set	B-1	SH-1209S	STD					
1		SH-1209		1.6913/1.6919	0.0011/0.0039	0.0590	1.8110/1.8120	0.5900
2		SH-1210		1.6519/1.6525	0.0011/0.0033	0.0590	1.7716/1.7726	0.5900
Connecting Rod		33 Lbs.Ft.						
Main Bearing		47 Lbs.Ft.						
6	1471CC (1.5L) CK Diesel 4 Cyl (1977-1980)				3.012in./76.5mm x 3.150in./80mm			6
	1471CC (1.5L) FC/FG/XR/XS Gas 4 Cyl (1974-1975)				3.012in./76.5mm x 3.150in./80mm			
	1471CC (1.5L) XV/XW/XY/XZ Gas 4 Cyl (1974)				3.012in./76.5mm x 3.150in./80mm			
	1588CC (1.6L) EE 4 Cyl (1977)				3.130in./79.5mm x 3.150in./80mm			
	1588CC (1.6L) EJ 4 Cyl (1979-1980)				3.130in./79.5mm x 3.150in./80mm			
	1588CC (1.6L) FN 4 Cyl (1976)				3.130in./79.5mm x 3.150in./80mm			
	1588CC (1.6L) YG,YH,YK 4 Cyl (1976-1980)				3.130in./79.5mm x 3.150in./80mm			
Rod Bearing(4)	TM-77	CB-1017P	STD.,25mm.,50mm.,75mm	1.8087/1.8094	0.0016/0.0040	0.0593	1.9291/1.9298	0.7480
Main Bearing Set	AL-3	MS-1659P	STD.,25mm.,50mm					
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.7280
3		MB-693AL(F)		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.9820
NOTE: Undersize Sets Contain .10mm Oversize Length Flanged Bearing,Will Also Service Engines Equipped With Thrust Washers								
Main Bearing Set	AL-3	MS-2070P-.25mm						
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.7280
3		MB-3567P(F)		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.9820
NOTE: All Sizes Contain Standard Length Flanged Bearing,Will Also Service Engines Equipped With Thrust Washers								
Aux. Shaft Bearing Set	B-1	SH-1209S	STD					
1		SH-1209		1.6913/1.6919	0.0011/0.0039	0.0590	1.8110/1.8120	0.5900
2		SH-1210		1.6519/1.6525	0.0011/0.0033	0.0590	1.7716/1.7726	0.5900
Piston Pin Bushing(4)	C-1	223-3547	STD					
NOTE: Requires Light Reaming								
C/S Forging A1456, 391101								
Connecting Rod		33 Lbs.Ft.						
Main Bearing		47 Lbs.Ft.						
7	1493CC (1.5L) 50 B.H.P./HO 4 Cyl (1965-1967)				3.366in./85.5mm x 2.716in./69mm			7
Rod Bearing(4)	TM-77	CB-780P	STD.,25mm.,50mm.,75mm,1.00mm	2.1640/2.1650	0.0010/0.0035	0.0550	2.2755/2.2760	0.6930



VOLKSWAGEN (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
7 (Cont.)	1493CC (1.5L) 50 B.H.P./HO 4 Cyl (1965-1967)				3.366in./85.5mm x 2.716in./69mm			7 (Cont.)
Main Bearing Set	AL-1	MS-822AL	STD.,.25mm,.50mm					
1		MB-2391AL(F)		2.1642/2.1650	0.0015/0.0038	0.1963	2.5591/2.5598	1.0610
2		MB-2392P		2.1642/2.1650	0.0005/0.0028	0.1982	2.5591/2.5598	0.8660
3		MB-2393AL		2.1642/2.1650	0.0011/0.0036	0.1965	2.5591/2.5598	0.8660
4		MB-2394AL		1.5742/1.5748	0.0013/0.0033	0.1962	1.9685/1.9691	0.5910
NOTE: Install Flanged Bearing In Number 1 Position, Flywheel End								
Cam Bearing Set	B-1	SH-735S	STD					
1		SH-133		0.9837/0.9843	0.0009/0.0031	0.0490	1.0827/1.0835	0.7840
2		SH-134		0.9837/0.9843	0.0009/0.0031	0.0490	1.0827/1.0835	0.9020
3		SH-135(L)		0.9837/0.9843	0.0009/0.0031	0.0490	1.0827/1.0835	1.1020
NOTE: Left Half Of Number 3 Position Is Flanged								
Connecting Rod	22 To 25 Lbs.Ft.							
Main Bearing	14 Lbs.Ft. (8mm Bolts)							
Main Bearing	18 To 25 Lbs.Ft. (12mm Bolts)							
8	1588CC (1.6L) CR Diesel 4 Cyl (1981-1983) 1588CC (1.6L) CY Turbo Turbocharged Diesel 4 Cyl (1982-1984) 1588CC (1.6L) JK,CS Diesel 4 Cyl (1982-1984) 1588CC (1.6L) MD Turbo Turbocharged Diesel 4 Cyl (1985) 1588CC (1.6L) ME Diesel 4 Cyl (1985) 1588CC (1.6L) MF Turbo Turbocharged Diesel 4 Cyl (1985-1986) 1588CC (1.6L) SOHC 8 Valve Turbocharged Diesel 4 Cyl (1992) 1780CC (1.8L) 2H/ABG/HT/PF/PG/RD/RV/UM Supercharged 4 Cyl (1990-1992) 1780CC (1.8L) JH SOHC 4 Cyl (1983-1989) 1780CC (1.8L) JN 4 Cyl (1984-1989) 1780CC (1.8L) PL DOHC - 16 Valve 4 Cyl (1986-1989) 1984CC (2.0L) 9A DOHC 4 Cyl (1990-1994) 1984CC (2.0L) ABA SOHC 4 Cyl (1993-2002) 1984CC (2.0L) AEG SOHC 4 Cyl (1998-2002)				3.012in./76.5mm x 3.386in./86mm 3.130in./79.5mm x 3.150in./80mm 3.012in./76.5mm x 3.386in./86mm 3.130in./79.5mm x 3.150in./80mm 3.130in./79.5mm x 3.150in./80mm 3.130in./79.5mm x 3.150in./80mm 3.012in./76.5mm x 3.385in./86mm 3.189in./81mm x 3.386in./86mm 3.189in./81mm x 3.386in./86mm 3.189in./81mm x 3.386in./86mm 3.248in./82.5mm x 3.661in./93mm 3.248in./82.5mm x 3.649in./92.7mm 3.252in./82.6mm x 3.649in./92.7mm			8
Rod Bearing(4)	TM-77	CB-1426P	STD.,.25mm,.50mm	1.8802/1.8810	0.0009/0.0032	0.0553	1.9921/1.9929	0.7480
NOTE: Oil Hole In Bearing								
Main Bearing Set	AL-3	MS-1659P	STD.,.25mm,.50mm					
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.7280
3		MB-693AL(F)		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.9820
NOTE: Undersize Sets Contain .10mm Oversize Length Flanged Bearing,Will Also Service Engines Equipped With Thrust Washers								
Main Bearing Set	AL-3	MS-2070P-.25mm						
1-2-4-5		MB-692AL		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.7280
3		MB-3567P(F)		2.1236/2.1244	0.0016/0.0041	0.0985	2.3228/2.3236	0.9820
NOTE: All Sizes Contain Standard Length Flanged Bearing,Will Also Service Engines Equipped With Thrust Washers								
Connecting Rod	22 Lbs.Ft. Plus 90 Degrees (1780CC (1.8L) PG,1780CC (1.8L) JH SOHC,1780CC (1.8L) JN,1780CC (1.8L) PL DOHC - 16 Valve,1984CC (2.0L) 9A DOHC,1984CC (2.0L) ABA SOHC)							
Connecting Rod	33 Lbs.Ft. (1588CC (1.6L) CR,1588CC (1.6L) CY Turbo,1588CC (1.6L) JK,1588CC (1.6L) MD Turbo,1588CC (1.6L) ME,1588CC (1.6L) MF Turbo,1588CC (1.6L) SOHC 8 Valve,1588CC (1.6L) CR,1588CC (1.6L) JK)							
Main Bearing	47 Lbs.Ft. (1588CC (1.6L) CR,1588CC (1.6L) CY Turbo,1588CC (1.6L) JK,1588CC (1.6L) MD Turbo,1588CC (1.6L) ME,1588CC (1.6L) MF Turbo,1588CC (1.6L) SOHC 8 Valve,1588CC (1.6L) CR,1588CC (1.6L) JK)							
Main Bearing	50 Lbs.Ft. (1780CC (1.8L) PG,1780CC (1.8L) JH SOHC,1780CC (1.8L) JN,1780CC (1.8L) PL DOHC - 16 Valve,1984CC (2.0L) 9A DOHC,1984CC (2.0L) ABA SOHC)							
9	1679CC (1.7L) 4 Cyl (1971-1973) 1795CC (1.8L) EC 4 Cyl (1974) 1679CC (1.7L) CB 4 Cyl (1972-1974) 1795CC (1.8L) ED 4 Cyl (1974-1975) 1970CC (2.0L) BHP/GD/GE 4 Cyl (1976-1979)				3.543in./90mm x 2.598in./66mm 3.661in./93mm x 2.598in./66mm 3.543in./90mm x 2.598in./66mm 3.661in./93mm x 2.598in./66mm 3.701in./94mm x 2.795in./71mm			9
Piston Pin Bushing(4)	223-3550			STD		0.1150		1.0100
10	1781CC (1.8L) AEB Turbocharged/Intercooled 4 Cyl (1998-2002)				3.189in./81mm x 3.402in./86.4mm			10
Rod Bearing(4)	TM-1	CB-1821P	STD.,.25mm,.50mm	1.8802/1.8810	0.0008/0.0026	0.0554	1.9921/1.9926	0.7480



VOLKSWAGEN (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
10 (Cont.)	1781CC (1.8L) AEB Turbocharged/Intercooled 4 Cyl (1998-2002)			3.189in./81mm x 3.402in./86.4mm				10 (Cont.)
Main Bearing Set 1-2-3-5 4	AL-6	MS-2227AL MB-3792AL MB-3793AL	STD.,.25mm,.50mm	2.1243/2.1251 2.1243/2.1251	0.0007/0.0030 0.0008/0.0032	0.0985 0.0985	2.3228/2.3236 2.3228/2.3236	0.7283 0.7283
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-612S								
Thrust Washer Set		TW-612S MB-3794WU MB-3794WL	STD	2.3425 2.3425		0.0778 0.0778	2.8819 2.8819	
NOTE: Contains 4 Pieces, Use With Part Number MS-2227AL								
11	1896CC (1.9L) 1Z Turbocharged Diesel 4 Cyl (1996-1997) 1896CC (1.9L) AAZ Turbocharged Diesel 4 Cyl (1993-1997) 1896CC (1.9L) AHH Turbocharged Diesel 4 Cyl (1998) 1896CC (1.9L) AHU Turbocharged Diesel 4 Cyl (1997-1999) 1896CC (1.9L) ALH Turbocharged Diesel 4 Cyl (1998-2002)			3.130in./79.5mm x 3.759in./95.5mm 3.130in./79.5mm x 3.759in./95.5mm 3.130in./79.5mm x 3.759in./95.5mm 3.130in./79.5mm x 3.759in./95.5mm 3.130in./79.5mm x 3.759in./95.5mm				11
Rod Bearing(4)	TM-1	CB-1822P	STD.,.25mm,.50mm	1.8802/1.8810	0.0008/0.0029	0.0554	1.9921/1.9929	0.7874
Main Bearing Set 1-2-3-5 4	AL-6	MS-2227AL MB-3792AL MB-3793AL	STD.,.25mm,.50mm	2.1243/2.1251 2.1243/2.1251	0.0007/0.0030 0.0008/0.0032	0.0985 0.0985	2.3228/2.3236 2.3228/2.3236	0.7283 0.7283
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-612S								
Thrust Washer Set		TW-612S MB-3794WU MB-3794WL	STD	2.3425 2.3425		0.0778 0.0778	2.8819 2.8819	
NOTE: Contains 4 Pieces, Use With Part Number MS-2227AL								
5 CYL								
12	2144CC (2.2L) KM 5 Cyl (1984) 2226CC (2.2L) JT/KX 5 Cyl (1985-1988)			3.130in./79.5mm x 3.386in./86mm 3.189in./81mm x 3.386in./86mm				12
Rod Bearing(5)	TM-77	CB-1426P	STD.,.25mm,.50mm	1.8802/1.8810	0.0009/0.0032	0.0553	1.9921/1.9929	0.7480
NOTE: Oil Hole In Bearing								
Main Bearing Set 1-2-4-5-6 3	TM-77	MS-1434P-.25mm MB-2661P MB-2662P(F)		2.2818/2.2826 2.2818/2.2826	0.0012/0.0032 0.0012/0.0032	0.0985 0.0985	2.4803/2.4810 2.4803/2.4810	0.7280 0.9820
NOTE: Will Also Service Engines Equipped With Thrust Washers								
C/S Forging 035D								
Connecting Rod 22 Lbs.Ft. Plus 90 Degrees Main Bearing 47 Lbs.Ft.								
13	2144CC (2.2L) WE 5 Cyl (1983)			3.130in./79.5mm x 3.386in./86mm				13
Rod Bearing(5)	TM-77	CB-1017P	STD.,.25mm,.50mm,.75mm	1.8087/1.8094	0.0016/0.0040	0.0593	1.9291/1.9298	0.7480
Main Bearing Set 1-2-4-5-6 3	TM-77	MS-1434P-.25mm MB-2661P MB-2662P(F)		2.2818/2.2826 2.2818/2.2826	0.0012/0.0032 0.0012/0.0032	0.0985 0.0985	2.4803/2.4810 2.4803/2.4810	0.7280 0.9820
C/S Forging 035D								
Connecting Rod 36 Lbs.Ft. Main Bearing 47 Lbs.Ft.								
6 CYL								
14	2771CC (2.8L) AHA DOHC Audi V6 Cyl (1998-2000)			3.248in./82.5mm x 3.400in./86.4mm				14
Rod Bearing(6)	TM-1	CB-1823P	STD.,.25mm	2.1243/2.1251	0.0008/0.0027	0.0711	2.2677/2.2682	0.6693
Main Bearing Set 1-2-3-4	TM-1	MS-2228P MB-3795P	STD	2.5574/2.5582	0.0008/0.0027	0.0987	2.7559/2.7567	0.7087
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-613S								
Thrust Washer Set		TW-613S MB-3796WU MB-3796WL	STD	2.7756 2.7756		0.0774 0.0774	3.3425 3.3425	
NOTE: Contains 4 Pieces, Use With Part Number MS-2228P								
15	2792CC (2.8L) AAA V6 Cyl (1992-1999)			3.189in./81mm x 3.555in./90.3mm				15
Rod Bearing(6)	AL-6	CB-1824AL	STD.,.25mm	2.1243/2.1251	0.0008/0.0029	0.0554	2.2362/2.2370	0.6693
Main Bearing Set 1-2-3-4-5-6-7	AL-6	MS-2229AL MB-3797AL	STD.,.25mm	2.3606/2.3613	0.0008/0.0030	0.0985	2.5591/2.5594	0.6693
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-614S								



VOLKSWAGEN (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
15 (Cont.)	2792CC (2.8L) AAA V6 Cyl (1992-1999)			3.189in./81mm x 3.555in./90.3mm				15 (Cont.)
Thrust Washer Set	TW-614S	STD		2.5768		0.0678	3.1496	
	MB-3798WU			2.5768		0.0678	3.1496	
	MB-3798WL							
NOTE: Contains 4 Pieces, Use With Part Number MS-2229AL								
VOLVO								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
4 CYL				5 CYL (Cont.)				
109 CID/1780CC (1.8L) B18A	1962-1968	3.313in./84.1mmX3.150in./80mm	1	142 CID/2319CC (2.3L) B5234T3 DOHC 20 Valve Turbocharged/Intercooled	1995-2002	3.189in./81mmX3.543in./90mm	7	
109 CID/1780CC (1.8L) B18B	1961-1968	3.313in./84.1mmX3.150in./80mm	1	149 CID/2435CC (2.4L) B5244S	1998-2002	3.268in./83mmX3.543in./90mm	7	
109 CID/1780CC (1.8L) B18D	1962-1968	3.313in./84.1mmX3.150in./80mm	1	149 CID/2435CC (2.4L) B5244T DOHC 20 Valve Turbocharged/Intercooled	1998-2002	3.268in./83mmX3.543in./90mm	7	
121 CID/1990CC (2.0L) B20B	1969-1971	3.500in./88.9mmX3.150in./80mm	1	149 CID/2435CC (2.4L) B5244T3	2001-2002	3.268in./83mmX3.543in./90mm	7	
121 CID/1990CC (2.0L) B20E	1971	3.500in./88.9mmX3.150in./80mm	1	149 CID/2435CC (2.4L) B5254FS DOHC 20 Valve	1993-1997	3.268in./83mmX3.543in./90mm	7	
121 CID/1990CC (2.0L) B20F	1970-1975	3.500in./88.9mmX3.150in./80mm	2					
130 CID/2127CC (2.1L) B21F	1976-1982	3.622in./92mmX3.150in./80mm	3	6 CYL				
130 CID/2127CC (2.1L) B21FT	1981-1985	3.622in./92mmX3.150in./80mm	3	145 CID/2383CC (2.4L) D24 Volkswagen Diesel	1981-1985	3.012in./76.5mmX3.402in./86.4mm	8	
Turbocharged/Intercooled				145 CID/2383CC (2.4L) D24T Volkswagen Turbocharged Diesel	1983-1986	3.012in./76.5mmX3.402in./86.4mm	8	
141 CID/2316CC (2.3L) B230F SOHC 8 Valve	1985-1995	3.780in./96mmX3.150in./80mm	4	163 CID/2664CC (2.7L) B27F	1976-1979	3.465in./88mmX2.874in./73mm	9	
141 CID/2316CC (2.3L) B230FT SOHC Turbocharged/Intercooled	1985-1995	3.780in./96mmX3.150in./80mm	4	174 CID/2849CC (2.8L) B280F	1986	3.583in./91mmX2.874in./73mm	9	
141 CID/2316CC (2.3L) B234F DOHC 16 Valve	1989-1992	3.780in./96mmX3.150in./80mm	5	174 CID/2849CC (2.8L) B28F	1980-1986	3.583in./91mmX2.874in./73mm	9	
141 CID/2316CC (2.3L) B23E	1983	3.780in./96mmX3.150in./80mm	3	178 CID/2922CC (2.9L) B6304FS DOHC 24 Valve	1992-1997	3.268in./83mmX3.543in./90mm	10	
141 CID/2316CC (2.3L) B23F	1983-1984	3.780in./96mmX3.150in./80mm	3	178 CID/2922CC (2.9L) B6304S DOHC 24 Valve	1992-1999	3.268in./83mmX3.543in./90mm	10	
141 CID/2316CC (2.3L) B23FTi	1984	3.780in./96mmX3.150in./80mm	6	182 CID/2978CC (3.0L) B30A	1969-1971	3.504in./89mmX3.150in./80mm	11	
Turbocharged/Intercooled				182 CID/2978CC (3.0L) B30F	1972-1975	3.504in./89mmX3.150in./80mm	12	
5 CYL								
142 CID/2319CC (2.3L) B5234T	1994-2002	3.189in./81mmX3.543in./90mm	7					
Turbocharged/Intercooled								
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
122S	109 CID/1780CC (1.8L) B18B	1961-1968	1	242	121 CID/1990CC (2.0L) B20F	1975	2	
122S	109 CID/1780CC (1.8L) B18D	1962-1968	1	242	130 CID/2127CC (2.1L) B21F	1976-1979	3	
142S	109 CID/1780CC (1.8L) B18B	1967-1968	1	244	121 CID/1990CC (2.0L) B20F	1975	2	
142S	121 CID/1990CC (2.0L) B20B	1969-1970	1	244	130 CID/2127CC (2.1L) B21F	1976-1979	3	
142S	121 CID/1990CC (2.0L) B20E	1971	1	244	141 CID/2316CC (2.3L) B230F	1986-1993	4	
142S	121 CID/1990CC (2.0L) B20F	1970-1974	2		SOHC 8 Valve			
144S	109 CID/1780CC (1.8L) B18B	1967-1968	1	245	121 CID/1990CC (2.0L) B20F	1975	2	
144S	121 CID/1990CC (2.0L) B20B	1969-1971	1	245	130 CID/2127CC (2.1L) B21F	1976-1979	3	
144S	121 CID/1990CC (2.0L) B20F	1970-1974	2	245	141 CID/2316CC (2.3L) B230F	1986-1993	4	
145S	109 CID/1780CC (1.8L) B18B	1968	1		SOHC 8 Valve			
145S	121 CID/1990CC (2.0L) B20B	1969-1971	1	262	163 CID/2664CC (2.7L) B27F	1976-1979	9	
145S	121 CID/1990CC (2.0L) B20F	1970-1974	2	264	163 CID/2664CC (2.7L) B27F	1976-1979	9	
164S	182 CID/2978CC (3.0L) B30A	1969-1971	11	265	163 CID/2664CC (2.7L) B27F	1976-1979	9	
164S	182 CID/2978CC (3.0L) B30F	1972-1975	12					



VOLVO (Cont.)									
MODEL DATA (Cont.)									
Model	Engine	Years	Block	Model	Engine	Years	Block		
740	141 CID/2316CC (2.3L) B230F SOHC 8 Valve	1985-1992	4	DL	145 CID/2383CC (2.4L) D24 Volkswagen Diesel	1982	8		
740	141 CID/2316CC (2.3L) B230FT SOHC	1985-1992	4	Diesel	145 CID/2383CC (2.4L) D24 Volkswagen Diesel	1981	8		
740	141 CID/2316CC (2.3L) B234F DOHC 16 Valve	1989-1990	5	Diesel	145 CID/2383CC (2.4L) D24 Volkswagen Diesel	1981	8		
740	145 CID/2383CC (2.4L) D24T Volkswagen Diesel	1985-1986	8	GL	130 CID/2127CC (2.1L) B21F	1980-1982	3		
745	145 CID/2383CC (2.4L) D24T Volkswagen Diesel	1985	8	GL	141 CID/2316CC (2.3L) B23E	1983	3		
760	141 CID/2316CC (2.3L) B23FTi	1984	6	GL	141 CID/2316CC (2.3L) B23F	1983-1984	3		
760	141 CID/2316CC (2.3L) B230F SOHC 8 Valve	1985-1986	4	GL	141 CID/2316CC (2.3L) B230F	1985	4		
760	141 CID/2316CC (2.3L) B230FT SOHC	1985-1990	4	GL	145 CID/2383CC (2.4L) D24 Volkswagen Diesel	1982-1985	8		
760	145 CID/2383CC (2.4L) D24T Volkswagen Diesel	1983-1985	8	GLE	174 CID/2849CC (2.8L) B28F	1980-1982	9		
760	174 CID/2849CC (2.8L) B28F	1983-1986	9	GLT	130 CID/2127CC (2.1L) B21F	1981-1982	3		
765	145 CID/2383CC (2.4L) D24T Volkswagen Diesel	1985	8	GLT	130 CID/2127CC (2.1L) B21FT	1981-1982	3		
780	141 CID/2316CC (2.3L) B230FT SOHC	1986-1991	4	GLT	141 CID/2316CC (2.3L) B23E	1983	3		
780	174 CID/2849CC (2.8L) B280F	1986-1991	9	P110	109 CID/1780CC (1.8L) B18A	1962-1968	1		
850	142 CID/2319CC (2.3L) B5234T3 DOHC 20 Valve	1995-1997	7	P120	109 CID/1780CC (1.8L) B18A	1962-1968	1		
850	142 CID/2319CC (2.3L) B5234T	1994-1996	7	P130	109 CID/1780CC (1.8L) B18A	1962-1968	1		
850	149 CID/2435CC (2.4L) B5254FS DOHC 20 Valve	1993-1997	7	P140	109 CID/1780CC (1.8L) B18A	1962-1968	1		
940	141 CID/2316CC (2.3L) B230F SOHC 8 Valve	1991-1995	4	P220	109 CID/1780CC (1.8L) B18A	1962-1968	1		
940	141 CID/2316CC (2.3L) B230FT SOHC	1991-1995	4	P1800	109 CID/1780CC (1.8L) B18B	1961-1963	1		
940	141 CID/2316CC (2.3L) B234F DOHC 16 Valve	1991-1992	5	PV544	109 CID/1780CC (1.8L) B18A	1962-1966	1		
960	178 CID/2922CC (2.9L) B6304FS DOHC 24 Valve	1992-1997	10	PV544	109 CID/1780CC (1.8L) B18D	1962-1966	1		
960	178 CID/2922CC (2.9L) B6304S DOHC 24 Valve	1992-1997	10	S60	142 CID/2319CC (2.3L) B5234T3 DOHC 20 Valve	2001-2002	7		
1800E	121 CID/1990CC (2.0L) B20B	1969-1970	1	S60	149 CID/2435CC (2.4L) B5244S DOHC 20 Valve	2001-2002	7		
1800E	121 CID/1990CC (2.0L) B20F	1970-1972	2	S60	149 CID/2435CC (2.4L) B5244T DOHC 20 Valve	2001-2002	7		
1800ES	121 CID/1990CC (2.0L) B20F	1970-1973	2	S70	149 CID/2435CC (2.4L) B5244T3 DOHC 20 Valve	2001-2002	7		
1800S	109 CID/1780CC (1.8L) B18B	1964-1968	1	S70	142 CID/2319CC (2.3L) B5234T3 DOHC 20 Valve	1998-2000	7		
C70	142 CID/2319CC (2.3L) B5234T3 DOHC 20 Valve	1998-1999	7	S70	149 CID/2435CC (2.4L) B5244S DOHC 20 Valve	1998-2000	7		
C70	142 CID/2319CC (2.3L) B5234T	1998-2002	7	S70	149 CID/2435CC (2.4L) B5244T DOHC 20 Valve	1998-2000	7		
C70	149 CID/2435CC (2.4L) B5244T DOHC 20 Valve	1999-2002	7	S80	178 CID/2922CC (2.9L) B6304S DOHC 24 Valve	1999	10		
C	174 CID/2849CC (2.8L) B28F	1980-1981	9	S80	178 CID/2922CC (2.9L) B6304S DOHC 24 Valve	1997-1998	10		
DL	130 CID/2127CC (2.1L) B21F	1980-1982	3	S90	178 CID/2922CC (2.9L) B6304S DOHC 24 Valve	1997-1998	10		
DL	141 CID/2316CC (2.3L) B23F	1983-1984	3	Turbo	130 CID/2127CC (2.1L) B21FT	1983-1985	3		
DL	141 CID/2316CC (2.3L) B230F SOHC 8 Valve	1985	4	V70	142 CID/2319CC (2.3L) B5234T3 DOHC 20 Valve	1998-2002	7		
				V70	149 CID/2435CC (2.4L) B5244S DOHC 20 Valve	1998-2002	7		
				V70	149 CID/2435CC (2.4L) B5244T DOHC 20 Valve	1998-2002	7		
				V70	149 CID/2435CC (2.4L) B5244T3 DOHC 20 Valve	2001-2002	7		
				V90	178 CID/2922CC (2.9L) B6304S DOHC 24 Valve	1998	10		
CRANKSHAFT FORGING NUMBERS									
Forging No.	Stroke	Block	Forging No.	Stroke	Block				
C	3.150in./80mm	1	C	3.150in./80mm	2				
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL									
1	109 CID/1780CC (1.8L) B18A,B18D 4 Cyl (1962-1968)				3.313in./84.1mm x 3.150in./80mm			1	
	109 CID/1780CC (1.8L) B18B 4 Cyl (1961-1968)				3.313in./84.1mm x 3.150in./80mm				
	121 CID/1990CC (2.0L) B20B 4 Cyl (1969-1971)				3.500in./88.9mm x 3.150in./80mm				
	121 CID/1990CC (2.0L) B20E 4 Cyl (1971)				3.500in./88.9mm x 3.150in./80mm				
Rod Bearing(4)		TM-77	CB-734P	STD,10	2.1299/2.1303	0.0017/0.0036	0.0725	2.2765/2.2770	1.0620



VOLVO (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
1 (Cont.)	109 CID/1780CC (1.8L) B18A,B18D 4 Cyl (1962-1968)			3.313in./84.1mm x 3.150in./80mm				1 (Cont.)
	109 CID/1780CC (1.8L) B18B 4 Cyl (1961-1968)			3.313in./84.1mm x 3.150in./80mm				
	121 CID/1990CC (2.0L) B20B 4 Cyl (1969-1971)			3.500in./88.9mm x 3.150in./80mm				
	121 CID/1990CC (2.0L) B20E 4 Cyl (1971)			3.500in./88.9mm x 3.150in./80mm				
Main Bearing Set 1-2-3-4 5	TM-77	MS-813P MB-2373P MB-2374P(F)	STD,10,20	2.4977/2.4982 2.4977/2.4982	0.0009/0.0034 0.0009/0.0034	0.0784 0.0784	2.6560/2.6570 2.6560/2.6570	1.1000 1.5320
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing,.020" Undersize Set Contains .008" Oversize Length Flanged Bearing								
C/S Forging C								
Connecting Rod	38 To 42 Lbs.Ft.							
Main Bearing	87 To 94 Lbs.Ft.							
2	121 CID/1990CC (2.0L) B20F 4 Cyl (1970-1975)			3.500in./88.9mm x 3.150in./80mm				2
Rod Bearing(4) NOTE: 1970-1972	TM-77	CB-734P	STD,10	2.1299/2.1303	0.0017/0.0036	0.0725	2.2765/2.2770	1.0620
Rod Bearing(4) NOTE: 1973-1975	TM-77	CB-1137P	STD,10,20,30	2.1255/2.1260	0.0015/0.0033	0.0783	2.2835/2.2840	0.9450
Main Bearing Set 1-2-3-4 5	TM-77	MS-813P MB-2373P MB-2374P(F)	STD,10,20	2.4977/2.4982 2.4977/2.4982	0.0009/0.0034 0.0009/0.0034	0.0784 0.0784	2.6560/2.6570 2.6560/2.6570	1.1000 1.5320
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing,.020" Undersize Set Contains .008" Oversize Length Flanged Bearing								
C/S Forging C								
Connecting Rod	38 To 42 Lbs.Ft.							
Main Bearing	87 To 94 Lbs.Ft.							
3	130 CID/2127CC (2.1L) B21F 4 Cyl (1976-1982)			3.622in./92mm x 3.150in./80mm				3
	130 CID/2127CC (2.1L) B21FT Turbocharged/Intercooled 4 Cyl (1981-1985)			3.622in./92mm x 3.150in./80mm				
	141 CID/2316CC (2.3L) B23E 4 Cyl (1983)			3.780in./96mm x 3.150in./80mm				
	141 CID/2316CC (2.3L) B23F 4 Cyl (1983-1984)			3.780in./96mm x 3.150in./80mm				
Rod Bearing(4)	TM-77	CB-1137P	STD,10,20,30	2.1255/2.1260	0.0015/0.0033	0.0783	2.2835/2.2840	0.9450
Main Bearing Set 1-2-3-4 5	TM-77	MS-813P MB-2373P MB-2374P(F)	STD,10,20	2.4977/2.4982 2.4977/2.4982	0.0009/0.0034 0.0009/0.0034	0.0784 0.0784	2.6560/2.6570 2.6560/2.6570	1.1000 1.5320
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing,.020" Undersize Set Contains .008" Oversize Length Flanged Bearing								
Connecting Rod	38 To 42 Lbs.Ft. (130 CID/2127CC (2.1L) B21F,141 CID/2316CC (2.3L) B23E,141 CID/2316CC (2.3L) B23F)							
Connecting Rod	43 To 48 Lbs.Ft. (130 CID/2127CC (2.1L) B21FT)							
Main Bearing	85 To 90 Lbs.Ft. (130 CID/2127CC (2.1L) B21FT)							
Main Bearing	87 To 94 Lbs.Ft. (130 CID/2127CC (2.1L) B21F,141 CID/2316CC (2.3L) B23E,141 CID/2316CC (2.3L) B23F)							
4	141 CID/2316CC (2.3L) B230F SOHC 8 Valve 4 Cyl (1985-1995)			3.780in./96mm x 3.150in./80mm				4
	141 CID/2316CC (2.3L) B230FT SOHC Turbocharged/Intercooled 4 Cyl (1985-1995)			3.780in./96mm x 3.150in./80mm				
Rod Bearing(4)	TM-77	CB-1302P	STD,.25mm	1.9285/1.9293	0.0010/0.0029	0.0587	2.0472/2.0478	0.9450
Main Bearing Set 1-2-3-4-5	AL-3	MS-1610AL MB-3353AL	STD	2.1648/2.1654	0.0017/0.0041	0.0780	2.3228/2.3236	0.8270
NOTE: 141 CID/2316CC (2.3L) B230FT SOHC (1985-1987), 141 CID/2316CC (2.3L) B230F SOHC 8 Valve (1985-1987), Requires Thrust Washer Set, Not Included								
Connecting Rod	14 Lbs.Ft. Plus 90 Degrees							
Main Bearing	80 Lbs.Ft.							
5	141 CID/2316CC (2.3L) B234F DOHC 16 Valve 4 Cyl (1989-1992)			3.780in./96mm x 3.150in./80mm				5
Rod Bearing(4)	TM-77	CB-1302P	STD,.25mm	1.9285/1.9293	0.0010/0.0029	0.0587	2.0472/2.0478	0.9450
Connecting Rod	14 Lbs.Ft. Plus 90 Degrees							
Main Bearing	80 Lbs.Ft.							
6	141 CID/2316CC (2.3L) B23FTi Turbocharged/Intercooled 4 Cyl (1984)			3.780in./96mm x 3.150in./80mm				6
Rod Bearing(4) NOTE: Turbocharged/Intercooled	TM-77	CB-1137P	STD,10,20,30	2.1255/2.1260	0.0015/0.0033	0.0783	2.2835/2.2840	0.9450



VOLVO (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
6 (Cont.)	141 CID/2316CC (2.3L) B23FTi Turbocharged/Intercooled 4 Cyl (1984)				3.780in./96mm x 3.150in./80mm			6 (Cont.)
Main Bearing Set 1-2-3-4	TM-77	MS-813P	STD,10,20	2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.1000
5		MB-2373P		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.5320
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing,.020" Undersize Set Contains .008" Oversize Length Flanged Bearing, Turbocharged/Intercooled								
Main Bearing Set 1-2-3-4-5	AL-3	MS-1610AL	STD	2.1648/2.1654	0.0017/0.0041	0.0780	2.3228/2.3236	0.8270
NOTE: Requires Thrust Washer Set, Not Included								
Connecting Rod	46 To 50 Lbs.Ft.							
Main Bearing	80 Lbs.Ft.							
5 CYL								
7	142 CID/2319CC (2.3L) B5234T Turbocharged/Intercooled 5 Cyl (1994-2002)				3.189in./81mm x 3.543in./90mm			7
	142 CID/2319CC (2.3L) B5234T3 DOHC 20 Valve Turbocharged/Intercooled 5 Cyl (1995-2002)				3.189in./81mm x 3.543in./90mm			
	149 CID/2435CC (2.4L) B5244S 5 Cyl (1998-2002)				3.268in./83mm x 3.543in./90mm			
	149 CID/2435CC (2.4L) B5244T DOHC 20 Valve Turbocharged/Intercooled 5 Cyl (1998-2002)				3.268in./83mm x 3.543in./90mm			
	149 CID/2435CC (2.4L) B5244T3 Turbocharged/Intercooled 5 Cyl (2001-2002)				3.268in./83mm x 3.543in./90mm			
	149 CID/2435CC (2.4L) B5254FS DOHC 20 Valve 5 Cyl (1993-1997)				3.268in./83mm x 3.543in./90mm			
Rod Bearing(5)	TM-1	CB-1825P	STD,.25mm,.50mm	1.9679/1.9685	0.0008/0.0025	0.0589	2.0866/2.0871	0.7677
NOTE: 142 CID/2319CC (2.3L)B5234T (1994-1996;1998-2002), 142 CID/2319CC (2.3L)B5234T3 DOHC 20 Valve (1995-2002), 149 CID/2435CC (2.4L)B5244S (1998-2002), 149 CID/2435CC (2.4L)B5244T DOHC 20 Valve (1998-2002), 149 CID/2435CC (2.4L)B5244T3 (2001-2002), 149 CID/2435CC (2.4L) B5254FS DOHC 20 Valve (1993-1997)								
Main Bearing Set	AL-6	MS-2230AL	STD,.25mm	2.5585/2.5591	0.0008/0.0025	0.0785	2.7165/2.7171	0.7717
		MB-3799AL		2.5585/2.5591	0.0008/0.0022	0.0785	2.7165/2.7171	1.0189
NOTE: 142 CID/2319CC (2.3L)B5234T (1994-1996;1998-2002), 142 CID/2319CC (2.3L)B5234T3 DOHC 20 Valve (1995-2002), 149 CID/2435CC (2.4L)B5244S (1998-2002), 149 CID/2435CC (2.4L)B5244T DOHC 20 Valve (1998-2002), 149 CID/2435CC (2.4L)B5244T3 (2001-2002), 149 CID/2435CC (2.4L) B5254FS DOHC 20 Valve (1993-1997)								
6 CYL								
8	145 CID/2383CC (2.4L) D24 Volkswagen Diesel 6 Cyl (1981-1985)				3.012in./76.5mm x 3.402in./86.4mm			8
	145 CID/2383CC (2.4L) D24T Volkswagen Turbocharged Diesel 6 Cyl (1983-1986)				3.012in./76.5mm x 3.402in./86.4mm			
Rod Bearing(6)	TM-77	CB-1426P	STD,.25mm,.50mm	1.8802/1.8810	0.0009/0.0032	0.0553	1.9921/1.9929	0.7480
NOTE: Oil Hole In Bearing								
Main Bearing Set 1-2-4-5-6-7	TM-77	MS-1490P	STD	2.2818/2.2826	0.0012/0.0032	0.0985	2.4803/2.4810	0.7280
3		MB-2661P		2.2818/2.2826	0.0012/0.0032	0.0985	2.4803/2.4810	0.9820
		MB-2662P(F)						
Connecting Rod	35 Lbs.Ft.							
Main Bearing	48 Lbs.Ft.							
9	163 CID/2664CC (2.7L) B27F V6 Cyl (1976-1979)				3.465in./88mm x 2.874in./73mm			9
	174 CID/2849CC (2.8L) B280F V6 Cyl (1986)				3.583in./91mm x 2.874in./73mm			
	174 CID/2849CC (2.8L) B28F V6 Cyl (1980-1986)				3.583in./91mm x 2.874in./73mm			
Rod Bearing(6)	AL-3	CB-1186AL	STD	2.0577/2.0585	0.0012/0.0035	0.0724	2.2047/2.2055	0.6950
Main Bearing Set 1-2-3-4	AL-3	MS-1394AL	STD	2.7576/2.7583	0.0008/0.0030	0.0772	2.9134/2.9141	0.9240
NOTE: Requires Thrust Washer Set, Not Included								
Connecting Rod	33 To 37 Lbs.Ft.							
Main Bearing	22 To 26 Lbs.Ft. Plus 75 Degrees							
10	178 CID/2922CC (2.9L) B6304FS DOHC 24 Valve 6 Cyl (1992-1997)				3.268in./83mm x 3.543in./90mm			10
	178 CID/2922CC (2.9L) B6304S DOHC 24 Valve 6 Cyl (1992-1999)				3.268in./83mm x 3.543in./90mm			
Rod Bearing(6)	TM-1	CB-1825P	STD,.25mm,.50mm	1.9679/1.9685	0.0008/0.0025	0.0589	2.0866/2.0871	0.7677
Main Bearing Set	AL-6	MS-2231AL	STD	2.5585/2.5591	0.0008/0.0025	0.0785	2.7165/2.7171	0.7717
		MB-3801AL		2.5585/2.5591	0.0008/0.0022	0.0785	2.7165/2.7171	1.0189
		MB-3802AL(F)						



VOLVO (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
11	182 CID/2978CC (3.0L) B30A 6 Cyl (1969-1971)			3.504in./89mm x 3.150in./80mm				11
Rod Bearing(6)	TM-77	CB-734P	STD,10	2.1299/2.1303	0.0017/0.0036	0.0725	2.2765/2.2770	1.0620
Connecting Rod	38 To 42 Lbs.Ft.							
12	182 CID/2978CC (3.0L) B30F 6 Cyl (1972-1975)			3.504in./89mm x 3.150in./80mm				12
Rod Bearing(6)	TM-77	CB-734P	STD,10	2.1299/2.1303	0.0017/0.0036	0.0725	2.2765/2.2770	1.0620
NOTE: 1972								
Rod Bearing(6)	TM-77	CB-1137P	STD,10,20,30	2.1255/2.1260	0.0015/0.0033	0.0783	2.2835/2.2840	0.9450
NOTE: 1973-1975								
Connecting Rod	38 To 42 Lbs.Ft.							
WAUKESHA								
ENGINE DATA								
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block	
4 CYL				6 CYL (Cont.)				
160 121 CID (2.0L)	3.313in./84.2mm	X3.500in./88.9mm	1	6WAKC 1196 CID (19.6L)	6.250in./158.8mm	X6.500in./165.1mm	18	
180DAB 129 CID (2.1L) Diesel	3.313in./84.2mm	X3.750in./95.3mm	2	6WAKD 1196 CID (19.6L) Flex	6.250in./158.8mm	X6.500in./165.1mm	18	
180DAC 129 CID (2.1L) Diesel	3.313in./84.2mm	X3.750in./95.3mm	2	6WAKDB 1196 CID (19.6L)	6.250in./158.8mm	X6.500in./165.1mm	18	
180DKB 155 CID (2.5L) Diesel	3.625in./92.1mm	X3.750in./95.3mm	2	6WAKDBS 1196 CID (19.6L)	6.250in./158.8mm	X6.500in./165.1mm	18	
180DL 129 CID (2.1L) Diesel	3.313in./84.2mm	X3.750in./95.3mm	2	6WAKDM 1196 CID (19.6L) Flex	6.250in./158.8mm	X6.500in./165.1mm	19	
180DLB 129 CID (2.1L) Diesel	3.313in./84.2mm	X3.750in./95.3mm	2	6WAKDS 1196 CID (19.6L)	6.250in./158.8mm	X6.500in./165.1mm	18	
180DLC 144 CID (2.4L) Diesel	3.500in./88.9mm	X3.750in./95.3mm	2	6WAKH 1196 CID (19.6L) F Oil	6.250in./158.8mm	X6.500in./165.1mm	18	
180DLCU 144 CID (2.4L) Diesel	3.500in./88.9mm	X3.750in./95.3mm	2	6WAKM 1196 CID (19.6L)	6.250in./158.8mm	X6.500in./165.1mm	18	
180DSB 129 CID (2.1L) Diesel	3.313in./84.2mm	X3.750in./95.3mm	2	6WAKR 1196 CID (19.6L) Flex	6.250in./158.8mm	X6.500in./165.1mm	19	
180GA 129 CID (2.1L) Diesel	3.313in./84.2mm	X3.750in./95.3mm	2	6WAL 1013 CID (16.6L)	5.750in./146.1mm	X6.500in./165.1mm	18	
180GB 129 CID (2.1L)	3.313in./84.2mm	X3.750in./95.3mm	2	6WALH 1013 CID (16.6L)	5.750in./146.1mm	X6.500in./165.1mm	18	
180GK 129 CID (2.1L)	3.313in./84.2mm	X3.750in./95.3mm	2	135DK 426 CID (7.0L) Diesel	4.250in./108mm	X5.000in./127mm	15	
180GKB 155 CID (2.5L) Flex	3.625in./92.1mm	X3.750in./95.3mm	2	135DKB 426 CID (7.0L) Diesel	4.250in./108mm	X5.000in./127mm	15	
180GKBC 155 CID (2.5L)	3.625in./92.1mm	X3.750in./95.3mm	2	135DKBS 426 CID (7.0L) Diesel	4.250in./108mm	X5.000in./127mm	15	
180GKB 155 CID (2.5L)	3.625in./92.1mm	X3.750in./95.3mm	2	135DKBSU 426 CID (7.0L) Diesel	4.250in./108mm	X5.000in./127mm	15	
180GL 125 CID (2.0L)	3.500in./88.9mm	X3.250in./82.6mm	2	135DKS 426 CID (7.0L) Diesel	4.250in./108mm	X5.000in./127mm	15	
180GLB 144 CID (2.4L) Flex	3.500in./88.9mm	X3.750in./95.3mm	2	135DKSU 426 CID (7.0L) Diesel	4.250in./108mm	X5.000in./127mm	15	
180GLC 144 CID (2.4L)	3.500in./88.9mm	X3.750in./95.3mm	2	135DKU 426 CID (7.0L) Diesel	4.250in./108mm	X5.000in./127mm	15	
180GS 129 CID (2.1L)	3.313in./84.2mm	X3.750in./95.3mm	2	135GK 426 CID (7.0L)	4.250in./108mm	X5.000in./127mm	15	
180KL 129 CID (2.1L) Diesel	3.313in./84.2mm	X3.750in./95.3mm	2	135GKB 426 CID (7.0L) Flex	4.250in./108mm	X5.000in./127mm	15	
180SB 129 CID (2.1L)	3.313in./84.2mm	X3.750in./95.3mm	2	135GZ 451 CID (7.4L)	4.375in./111.1mm	X5.000in./127mm	15	
D155 155 CID (2.5L) Diesel	3.625in./92.1mm	X3.750in./95.3mm	3	135GZB 451 CID (7.4L) Flex	4.375in./111.1mm	X5.000in./127mm	15	
D155D 155 CID (2.5L) Diesel	3.625in./92.1mm	X3.750in./95.3mm	3	135GZU 451 CID (7.4L)	4.375in./111.1mm	X5.000in./127mm	15	
D155G 155 CID (2.5L)	3.625in./92.1mm	X3.750in./95.3mm	3	140GK 525 CID (8.6L)	4.500in./114.3mm	X5.500in./139.7mm	16	
D155GA 155 CID (2.5L)	3.625in./92.1mm	X3.750in./95.3mm	3	140GKB 525 CID (8.6L) Flex	4.500in./114.3mm	X5.500in./139.7mm	16	
D176 155 CID (2.5L) Diesel	3.625in./92.1mm	X3.750in./95.3mm	3	140GS 525 CID (8.6L)	4.500in./114.3mm	X5.500in./139.7mm	16	
D176G 155 CID (2.5L)	3.625in./92.1mm	X3.750in./95.3mm	3	140GZ 554 CID (9.1L)	4.625in./117.5mm	X5.500in./139.7mm	16	
G155 155 CID (2.5L)	3.625in./92.1mm	X3.750in./95.3mm	3	140GZB 554 CID (9.1L) Flex	4.625in./117.5mm	X5.500in./139.7mm	16	
G176 155 CID (2.5L)	3.625in./92.1mm	X3.750in./95.3mm	3	140GZC 554 CID (9.1L)	4.625in./117.5mm	X5.500in./139.7mm	16	
VRD155 155 CID (2.5L) Diesel	3.625in./92.1mm	X3.750in./95.3mm	2	140GZU 554 CID (9.1L)	4.625in./117.5mm	X5.500in./139.7mm	16	
VRD220 3560CC (3.6L) Diesel	3.858in./98mm	X4.646in./118mm	4	140HK 525 CID (8.6L) F Oil	4.500in./114.3mm	X5.500in./139.7mm	16	
VRD220S 3560CC (3.6L) Diesel Turbocharged	3.858in./98mm	X4.646in./118mm	5	140HL 468 CID (7.6L)	4.250in./108mm	X5.500in./139.7mm	16	
VRG155 155 CID (2.5L)	3.625in./92.1mm	X3.750in./95.3mm	2	140HS 468 CID (7.6L)	4.250in./108mm	X5.500in./139.7mm	16	
VRG176 155 CID (2.5L)	3.625in./92.1mm	Xin./mm	3	145GK 779 CID (12.8L)	5.250in./133.4mm	X6.000in./152.4mm	17	
VRG220 220 CID (3.6L) CNG	3.875in./98.4mm	X4.646in./118mm	4	145GKB 779 CID (12.8L) Flex	5.250in./133.4mm	X6.000in./152.4mm	17	
6 CYL				145GKU 779 CID (12.8L)	5.250in./133.4mm	X6.000in./152.4mm	17	
6NKB 1905 CID (31.2L)	7.000in./177.8mm	X8.250in./209.6mm	20	145GS 638 CID (10.5L)	4.750in./120.7mm	X6.000in./152.4mm	17	
6NKD 1905 CID (31.2L) Diesel	7.000in./177.8mm	X8.250in./209.6mm	20	145GZ 817 CID (13.4L)	5.375in./136.5mm	X6.000in./152.4mm	17	
6NKDB 1905 CID (31.2L)	7.000in./177.8mm	X8.250in./209.6mm	20	145GZB 817 CID (13.4L) Flex	5.375in./136.5mm	X6.000in./152.4mm	17	
6NKDBS 1905 CID (31.2L)	7.000in./177.8mm	X8.250in./209.6mm	20	145GZU 817 CID (13.4L)	5.375in./136.5mm	X6.000in./152.4mm	17	
6NKDS 1905 CID (31.2L) Diesel	7.000in./177.8mm	X8.250in./209.6mm	20	145HK 779 CID (12.8L) F Oil	5.250in./133.4mm	X6.000in./152.4mm	17	
6NKR 1905 CID (31.2L)	7.000in./177.8mm	X8.250in./209.6mm	20	145HS 638 CID (10.5L) F Oil	4.750in./120.7mm	X6.000in./152.4mm	17	
6NKR 1905 CID (31.2L)	7.000in./177.8mm	X8.250in./209.6mm	20	185DAB 194 CID (3.2L)	3.313in./84.2mm	X3.750in./95.3mm	6	
6NKR 1905 CID (31.2L)	7.000in./177.8mm	X8.250in./209.6mm	20	185DAC 194 CID (3.2L) Diesel	3.313in./84.2mm	X3.750in./95.3mm	6	
6NKR 1905 CID (31.2L)	7.000in./177.8mm	X8.250in./209.6mm	20	185DLB 194 CID (3.2L)	3.313in./84.2mm	X3.750in./95.3mm	6	
6WAK 1196 CID (19.6L) Flex	6.250in./158.8mm	X6.500in./165.1mm	18	185DLC 216 CID (3.5L) Diesel	3.500in./88.9mm	X3.750in./95.3mm	6	
6WAKB 1196 CID (19.6L) Flex	6.250in./158.8mm	X6.500in./165.1mm	18	185DLCU 216 CID (3.5L) Diesel	3.500in./88.9mm	X3.750in./95.3mm	6	



WAUKESHA (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL (Cont.)			6 CYL (Cont.)		
185DSB 194 CID (3.2L) Diesel	3.313in./84.2mmX3.750in./95.3mm	6	F2895D 2894 CID (47.5L) Diesel	8.500in./215.9mmX8.500in./215.9mm	21
185DY 194 CID (3.2L) Diesel	3.313in./84.2mmX3.750in./95.3mm	6	F2895G 2894 CID (47.5L) CNG	8.500in./215.9mmX8.500in./215.9mm	21
185GA 194 CID (3.2L)	3.313in./84.2mmX3.750in./95.3mm	6	F3521G 3520 CID (57.7L) Turbocharged	9.375in./238.1mmX8.500in./215.9mm	21
185GB 194 CID (3.2L)	3.313in./84.2mmX3.750in./95.3mm	6	V 501 CID (8.2L)	4.500in./114.3mmX5.250in./133.4mm	17
185GL 216 CID (3.5L)	3.500in./88.9mmX3.750in./95.3mm	6	VRD232 232 CID (3.8L) Diesel	3.625in./92.1mmX3.750in./95.3mm	6
185GLB 216 CID (3.5L)	3.500in./88.9mmX3.750in./95.3mm	6	VRD283 283 CID (4.6L) Diesel	3.875in./98.4mmX4.000in./101.6mm	10
185GM 216 CID (3.5L)	3.500in./88.9mmX3.750in./95.3mm	6	VRD310 310 CID (5.1L) Diesel	3.875in./98.4mmX4.375in./111.1mm	10
185GS 216 CID (3.5L)	3.500in./88.9mmX3.750in./95.3mm	6	VRD310S 310 CID (5.1L) Diesel	3.875in./98.4mmX4.375in./111.1mm	10
185KL 216 CID (3.5L)	3.500in./88.9mmX3.750in./95.3mm	6	Turbocharged		
190DKB 265 CID (4.3L) Diesel	3.750in./95.3mmX4.000in./101.6mm	7	VRD330 5340CC (5.3L) Diesel	3.875in./98.4mmX4.646in./118mm	13
190DLA 265 CID (4.3L) Diesel	3.750in./95.3mmX4.000in./101.6mm	8	VRD330S 5340CC (5.3L) Diesel	3.875in./98.4mmX4.646in./118mm	14
190DLB 265 CID (4.3L) Diesel	3.750in./95.3mmX4.000in./101.6mm	7	Turbocharged		
190DLC 265 CID (4.3L) F Oil	3.750in./95.3mmX4.000in./101.6mm	9	VRG232 232 CID (3.8L)	3.625in./92.1mmX3.750in./95.3mm	6
190DLCA 265 CID (4.3L) F Oil	3.750in./95.3mmX4.000in./101.6mm	7	VRG265 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	8
190DLCR 265 CID (4.3L)	4.000in./101.6mmX3.750in./95.3mm	9	VRG265 265 CID (4.3L) LPG	3.750in./95.3mmX4.000in./101.6mm	8
190DLCU 265 CID (4.3L)	4.000in./101.6mmX3.750in./95.3mm	9	VRG283 283 CID (4.6L)	3.875in./98.4mmX4.000in./101.6mm	10
190DLK 265 CID (4.3L) F Oil	3.750in./95.3mmX4.000in./101.6mm	7	VRG283 283 CID (4.6L) LPG	3.875in./98.4mmX4.000in./101.6mm	10
190DSB 265 CID (4.3L) Diesel	3.750in./95.3mmX4.000in./101.6mm	8	VRG310 310 CID (5.1L)	3.875in./98.4mmX4.375in./111.1mm	10
190GK 302 CID (5.0L)	4.000in./101.6mmX4.000in./101.6mm	8	VRG310 310 CID (5.1L) CNG	3.875in./98.4mmX4.375in./111.1mm	10
190GL 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	8	VRG330 330 CID (5.4L) CNG	3.875in./98.4mmX4.646in./118mm	13
190GLB 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	7			
190GLB 265 CID (4.3L) Flex	3.750in./95.3mmX4.000in./101.6mm	7			
190GLBU 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	7			
190GLC 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	8			
190GS 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	8			
190KL 265 CID (4.3L) Kero	3.750in./95.25mmX4.000in./101.6mm	8			
195DLC 302 CID (5.0L) Diesel	4.000in./101.6mmX4.000in./101.6mm	9			
195DLCA 302 CID (5.0L)	4.000in./101.6mmX4.000in./101.6mm	11			
195DLCU 302 CID (5.0L)	4.000in./101.6mmX4.000in./101.6mm	9			
195GK 320 CID (5.2L)	4.125in./104.8mmX4.000in./101.6mm	11			
195GKA 320 CID (5.2L)	4.125in./104.8mmX4.000in./101.6mm	9			
195GKU 320 CID (5.2L)	4.125in./104.8mmX4.000in./101.6mm	11			
195GL 302 CID (5.0L)	4.000in./101.6mmX4.000in./101.6mm	11			
197DLC 302 CID (5.0L) Diesel	4.000in./101.6mmX4.000in./101.6mm	12			
197DLCA 302 CID (5.0L) Diesel	4.000in./101.6mmX4.000in./101.6mm	12			
197DLCS 302 CID (5.0L) Diesel	4.000in./101.6mmX4.000in./101.6mm	12			
F232G 232 CID (3.8L)	3.625in./92.1mmX3.750in./95.3mm	6			
F265G 265 CID (4.3L) Kero	3.750in./95.3mmX4.000in./101.6mm	8			
F265G 265 CID (4.3L) LPG	3.750in./95.3mmX4.000in./101.6mm	8			
F283G 283 CID (4.6L)	3.875in./98.4mmX4.000in./101.6mm	10			
F310G 310 CID (5.1L)	3.875in./98.4mmX4.375in./111.1mm	10			
F310G 310 CID (5.1L) LPG	3.875in./98.4mmX4.375in./111.1mm	10			
F320G 265 CID (4.3L)	3.750in./95.3mmX4.000in./101.6mm	9			
F320LP 265 CID (4.3L)	4.000in./101.6mmX3.750in./95.3mm	9			
F554G 554 CID (9.1L)	4.625in./117.5mmX5.500in./139.7mm	16			
F817G 817 CID (13.4L)	5.375in./136.5mmX6.000in./152.4mm	17			
F1197G 1196 CID (19.6L)	6.250in./158.8mmX6.500in./165.1mm	18			
F1197GR 1196 CID (19.6L)	6.250in./158.8mmX6.500in./165.1mm	18			
F1905D 1905 CID (31.2L)	7.000in./177.8mmX8.250in./209.6mm	20			
F1905DS 1905 CID (31.2L)	7.000in./177.8mmX8.250in./209.6mm	20			
F1905DU 1905 CID (31.2L)	7.000in./177.8mmX8.250in./209.6mm	20			
F1905G 1905 CID (31.2L)	7.000in./177.8mmX8.250in./209.6mm	20			
F1905GR 1905 CID (31.2L)	7.000in./177.8mmX8.250in./209.6mm	20			

12 CYL

L5100D 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
L5100G 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
L5108D 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
L5108G 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
L5788D 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
L5788DS 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
L5788DU 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
L5788G 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
L5788GR 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
L5790D 5788 CID (94.9L) Diesel	8.500in./215.9mmX8.500in./215.9mm	23
L5790G 5788 CID (94.9L) CNG	8.500in./215.9mmX8.500in./215.9mm	24
L7042G 7042 CID (115.4L)	9.375in./238.1mmX8.500in./215.9mm	25
L7042G 7042 CID (115.4L) CNG	9.375in./238.1mmX8.500in./215.9mm	25
Turbocharged		
VLR 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
VLRD 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
VLRRB 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
VLRRBS 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
VLRRBSU 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
VLRRS 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
VLRO 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
VLROB 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
VLROBU 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22
VLRR 5788 CID (94.9L)	8.500in./215.9mmX8.500in./215.9mm	22

16 CYL

P9390G 9388 CID (154.0L)	9.375in./238.1mmX8.500in./215.9mm	26
P9390GL 9388 CID (154.0L) CNG	9.375in./238.1mmX8.500in./215.9mm	26
Turbocharged		
P9390GSI 9388 CID (154.0L)	9.375in./238.1mmX8.500in./215.9mm	26

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
20007	8.500in./215.9mm	22	140107	5.500in./139.7mm	16	182111	3.750in./95.3mm	2	220207	3.750in./95.3mm	3
97007-B	8.250in./209.6mm	20	160007-C	3.500in./88.9mm	1	187111	3.750in./95.3mm	2	220207		
123007	6.500in./165.1mm	18	180000-C	3.750in./95.3mm	6	190107	4.000in./101.6mm	8	A	5.000in./127mm	15
125107	6.500in./165.1mm	18	180007	3.750in./95.3mm	2	190107	4.000in./101.6mm	11			
135007	5.000in./127mm	15	180007-B	3.750in./95.3mm	6	190307	4.000in./101.6mm	11			
135007-A	5.000in./127mm	15	180007-C	3.750in./95.3mm	2	200007	8.500in./215.9mm	22			



WAUKESHA (Cont.)

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
97011-B	8.250in./209.6mm	20	140111-J	5.500in./139.7mm	16	187111	3.750in./95.3mm	2	192211B	4.000in./101.6mm	11
97011-C	8.250in./209.6mm	20	140311	5.500in./139.7mm	16	190111	4.000in./101.6mm	8	195111	4.000in./101.6mm	11
123011G	6.500in./165.1mm	18	160211	3.500in./88.9mm	1	190111	4.000in./101.6mm	11	195311	4.000in./101.6mm	9
123011GSA	6.500in./165.1mm	18	181211	3.750in./95.3mm	2	190211	4.000in./101.6mm	8	195311	3.750in./95.3mm	9
123011T	6.500in./165.1mm	18	181411	3.750in./95.3mm	2	190211	4.000in./101.6mm	11	195311	4.000in./101.6mm	7
123011U	6.500in./165.1mm	18	181411-A	3.750in./95.3mm	2	191211	4.000in./101.6mm	8	195311	4.000in./101.6mm	11
125211-A	6.500in./165.1mm	18	182111	3.750in./95.3mm	2	191311	4.000in./101.6mm	8	0200011	8.500in./215.9mm	22
125211-D	6.500in./165.1mm	18	185111	3.750in./95.3mm	6	191311	4.000in./101.6mm	11	01355011D	5.000in./127mm	15
135011	5.000in./127mm	15	186211	3.750in./95.3mm	6	192211B	4.000in./101.6mm	9			
140111-B	5.500in./139.7mm	16	186211-A	3.750in./95.3mm	6	192211B	3.750in./95.3mm	9			
140111-C	5.500in./139.7mm	16	186311	3.750in./95.3mm	6	192211B	4.000in./101.6mm	7			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 CYL

1	121 CID (2.0L) 160 4 Cyl			3.313in./84.2mm x 3.500in./88.9mm				1

Rod Bearing(4)	TM-112	CB-446P	STD,10,20	1.9990/2.0000	0.0005/0.0030	0.0617	2.1235/2.1240	1.1190

Cam Bearing Set 1	B-1	SH-330S SH-330	STD	1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050

Rod Forging	160007-C							
C/S Forging	160211							

Connecting Rod	46 To 50 Lbs.Ft.							

2	125 CID (2.0L) 180GL 4 Cyl	3.500in./88.9mm x 3.250in./82.6mm	2
	129 CID (2.1L) 180DAB,180DAC,180DLB,180DL,180DSB,180GA,180KL Diesel 4 Cyl	3.313in./84.2mm x 3.750in./95.3mm	
	129 CID (2.1L) 180GB,180GK,180GS,180SB 4 Cyl	3.313in./84.2mm x 3.750in./95.3mm	
	144 CID (2.4L) 180DLC,180DLCU Diesel 4 Cyl	3.500in./88.9mm x 3.750in./95.3mm	
	144 CID (2.4L) 180GLB Flex 4 Cyl	3.500in./88.9mm x 3.750in./95.3mm	
	144 CID (2.4L) 180GLC 4 Cyl	3.500in./88.9mm x 3.750in./95.3mm	
	155 CID (2.5L) 180DKB,VRD155 Diesel 4 Cyl	3.625in./92.1mm x 3.750in./95.3mm	
	155 CID (2.5L) 180GKBC,180GKBU,VRG155 4 Cyl	3.625in./92.1mm x 3.750in./95.3mm	
155 CID (2.5L) 180GKB Flex 4 Cyl	3.625in./92.1mm x 3.750in./95.3mm		

Rod Bearing(4)	TM-112	CB-446P	STD,10,20	1.9990/2.0000	0.0005/0.0030	0.0617	2.1235/2.1240	1.1190

NOTE: Engines With 2.000" Crankpins

Rod Bearing(4)	TM-112	CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560

NOTE: Engines With 2.250" Crankpins

Main Bearing Set 1-3	TM-112	MS-405P MB-1629P	STD,10,20,30	2.2490/2.2500	0.0002/0.0032	0.0854	2.4210/2.4220	1.3800
2		MB-1786P(F)		2.2490/2.2500	0.0002/0.0032	0.0854	2.4210/2.4220	1.6230

Cam Bearing Set 1	B-1	SH-330S SH-330	STD	1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050

Piston Pin Bushing(4)	C-1	223-3514	STD			0.0450	1.3125/1.3130	0.5570

NOTE: 2 Per Rod,Requires Boring

Rod Forging	180007, 182111, 187111, 180007-C							
C/S Forging	181211, 181411, 182111, 187111, 181411-A							

Connecting Rod	46 To 50 Lbs.Ft.							
Main Bearing	87 To 92 Lbs.Ft.							

3	155 CID (2.5L) D155D,D155,D176 Diesel 4 Cyl	3.625in./92.1mm x 3.750in./95.3mm	3
	155 CID (2.5L) D155G,D155GA,D176G,G155,G176 4 Cyl	3.625in./92.1mm x 3.750in./95.3mm	
	155 CID (2.5L) VRG176 4 Cyl	3.625in./92.1mm x	

Rod Bearing(4)	TM-112	CB-446P	STD,10,20	1.9990/2.0000	0.0005/0.0030	0.0617	2.1235/2.1240	1.1190

NOTE: Engines With 2.000" Crankpins

Rod Bearing(4)	TM-112	CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560

NOTE: Engines With 2.250" Crankpins

Rod Bearing(4)	TM-112	CB-1239P	STD,10,20,30,40	1.7490/1.7500	0.0010/0.0035	0.0525	1.8555/1.8560	1.0200

NOTE: Engines With 1.750" Crankpins

Main Bearing Set 1-3	TM-112	MS-1423P MB-2610P	STD,10,20,30	2.2490/2.2500	0.0005/0.0035	0.0854	2.4210/2.4220	1.3800
2		MB-1786P(F)		2.2490/2.2500	0.0002/0.0032	0.0854	2.4210/2.4220	1.6230



WAUKESHA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
3 (Cont.)	155 CID (2.5L) D155D,D155,D176 Diesel 4 Cyl				3.625in./92.1mm x 3.750in./95.3mm			3 (Cont.)
	155 CID (2.5L) D155G,D155GA,D176G,G155,G176 4 Cyl				3.625in./92.1mm x 3.750in./95.3mm			
	155 CID (2.5L) VRG176 4 Cyl				3.625in./92.1mm x			
Main Bearing Set		MS-1698P-20	30					
1-3		MB-2610P		2.2490/2.2500	0.0005/0.0035	0.0854	2.4210/2.4220	1.3800
2		MB-3096P(F)		2.2490/2.2500	0.0005/0.0035	0.0854	2.4210/2.4220	1.6430
NOTE: Contains .020" Oversize Length Flanged Bearing								
Cam Bearing Set		B-1 SH-330S	STD					
1		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
Rod Forging 220207								
4	220 CID (3.6L) VRG220 CNG 4 Cyl				3.875in./98.4mm x 4.646in./118mm			4
	3560CC (3.6L) VRD220 Diesel 4 Cyl				3.858in./98mm x 4.646in./118mm			
Cam Bearing Set		B-1 SH-1328S	STD					
1		SH-1328		1.8670/1.8690	0.0017/0.0047	0.0605	2.1245/2.1255	1.0720
2-3		SH-1329		1.8670/1.8690	0.0015/0.0030	0.0605	2.1245/2.1255	0.8850
NOTE: Except Engines With Hydraulic Pump, Requires Additional Bearing; Not Offered								
5	3560CC (3.6L) VRD220S Turbocharged Diesel 4 Cyl				3.858in./98mm x 4.646in./118mm			5
Rod Bearing(4)		TM-112 CB-1381P	STD,10,20,30	2.4360/2.4370	0.0010/0.0037	0.0753	2.5883/2.5893	1.1250
Main Bearing Set		TM-112 MS-1699P	STD,10					
1-2-3-5		MB-3076P		2.9974/2.9984	0.0020/0.0050	0.0953	3.1910/3.1920	1.2550
4		MB-3075P(F)		2.9974/2.9984	0.0020/0.0050	0.0953	3.1910/3.1920	1.4980
Cam Bearing Set		B-1 SH-1328S	STD					
1		SH-1328		1.8670/1.8690	0.0017/0.0047	0.0605	2.1245/2.1255	1.0720
2-3		SH-1329		1.8670/1.8690	0.0015/0.0030	0.0605	2.1245/2.1255	0.8850
NOTE: Except Engines With Hydraulic Pump								
6 CYL								
6	194 CID (3.2L) 185DAB,185DLB,185GA,185GB 6 Cyl				3.313in./84.2mm x 3.750in./95.3mm			6
	194 CID (3.2L) 185DAC,185DSB,185DY Diesel 6 Cyl				3.313in./84.2mm x 3.750in./95.3mm			
	216 CID (3.5L) 185DLC,185DLCU Diesel 6 Cyl				3.500in./88.9mm x 3.750in./95.3mm			
	216 CID (3.5L) 185GL,185GLB,185GM,185GS,185KL 6 Cyl				3.500in./88.9mm x 3.750in./95.3mm			
	232 CID (3.8L) F232G,VRG232 6 Cyl				3.625in./92.1mm x 3.750in./95.3mm			
	232 CID (3.8L) VRD232 Diesel 6 Cyl				3.625in./92.1mm x 3.750in./95.3mm			
Rod Bearing(6)		TM-112 CB-446P	STD,10,20	1.9990/2.0000	0.0005/0.0030	0.0617	2.1235/2.1240	1.1190
NOTE: Engines With 2.000" Crankpins								
Rod Bearing(6)		TM-112 CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560
NOTE: Engines With 2.250" Crankpins								
Main Bearing Set		TM-112 MS-406P	STD,10,20,30					
1-2-4		MB-1629P		2.2490/2.2500	0.0002/0.0032	0.0854	2.4210/2.4220	1.3800
3		MB-1786P(F)		2.2490/2.2500	0.0002/0.0032	0.0854	2.4210/2.4220	1.6230
Cam Bearing Set		B-1 SH-330S	STD					
1		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050
Piston Pin Bushing(12)		C-1 223-3514	STD			0.0450	1.3125/1.3130	0.5570
NOTE: 2 Per Rod,Requires Boring								
Rod Forging		180000-C, 180007-B						
C/S Forging		185111, 186211, 186311, 186211-A						
Connecting Rod		44 To 45 Lbs.Ft. (Lubricated Bolts)						
Connecting Rod		46 To 50 Lbs.Ft. (Dry Bolts)						
Main Bearing		87 To 92 Lbs.Ft.						
7	265 CID (4.3L) 190DKB,190DLB Diesel 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm			7
	265 CID (4.3L) 190DLCA,190DLK F Oil 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm			
	265 CID (4.3L) 190GLB,190GLBU 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm			
	265 CID (4.3L) 190GLB Flex 6 Cyl				3.750in./95.3mm x 4.000in./101.6mm			
Rod Bearing(6)		TM-112 CB-450P	STD,10	2.6240/2.6250	0.0009/0.0034	0.0952	2.8160/2.8165	1.1550
NOTE: Engines With 2.625" Crankpins,Standard Engine								
Rod Bearing(6)		TM-112 CB-703P	STD,10,20,30,40	2.4365/2.4375	0.0005/0.0030	0.0755	2.5885/2.5890	1.1250
NOTE: Engines With 2.4375" Crankpins								



WAUKESHA (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
7 (Cont.)	265 CID (4.3L) 190DKB,190DLB Diesel 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm					7 (Cont.)
	265 CID (4.3L) 190DLCA,190DLK F Oil 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm					
	265 CID (4.3L) 190GLB,190GLBU 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm					
	265 CID (4.3L) 190GLB Flex 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm					
Main Bearing Set 1-2-4 3				2.6240/2.6250 2.6240/2.6250	0.0008/0.0038 0.0008/0.0038	0.0955 0.0955	2.8165/2.8175 2.8165/2.8175	1.5050 1.7480	
NOTE: Standard Engine									
Cam Bearing Set 1				1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050	
Piston Pin Bushing(12) NOTE: 2 Per Rod,Requires Boring						0.0450	1.3125/1.3130	0.5570	
C/S Forging				195311, 192211B					
Connecting Rod Main Bearing				87 To 92 Lbs.Ft. 109 To 112 Lbs.Ft.					
8	265 CID (4.3L) 190DLA,190DSB Diesel 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm					8
	265 CID (4.3L) 190GL,190GLC,190GS,VRG265 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm					
	265 CID (4.3L) 190KL Kero 6 Cyl			3.750in./95.25mm x 4.000in./101.6mm					
	265 CID (4.3L) F265G Kero 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm					
	265 CID (4.3L) F265G,VRG265 LPG 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm					
	302 CID (5.0L) 190GK 6 Cyl			4.000in./101.6mm x 4.000in./101.6mm					
Rod Bearing(6)				2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560	
Main Bearing Set 1-2-4 3				2.6240/2.6250 2.6240/2.6250	0.0008/0.0038 0.0008/0.0038	0.0955 0.0955	2.8165/2.8175 2.8165/2.8175	1.5050 1.7480	
Cam Bearing Set 1				1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050	
Piston Pin Bushing(12) NOTE: 2 Per Rod,Requires Boring						0.0450	1.3125/1.3130	0.5570	
Rod Forging C/S Forging				190107 190111, 190211, 191211, 191311					
Connecting Rod Main Bearing				87 To 92 Lbs.Ft. 109 To 112 Lbs.Ft.					
9	265 CID (4.3L) 190DLC F Oil 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm					9
	265 CID (4.3L) 190DLCR,190DLCU,F320LP 6 Cyl			4.000in./101.6mm x 3.750in./95.3mm					
	265 CID (4.3L) F320G 6 Cyl			3.750in./95.3mm x 4.000in./101.6mm					
	302 CID (5.0L) 195DLC Diesel 6 Cyl			4.000in./101.6mm x 4.000in./101.6mm					
	302 CID (5.0L) 195DLCU 6 Cyl			4.000in./101.6mm x 4.000in./101.6mm					
	320 CID (5.2L) 195GKA 6 Cyl			4.125in./104.8mm x 4.000in./101.6mm					
Rod Bearing(6) NOTE: Engines With 2.625" Crankpins				2.6240/2.6250	0.0009/0.0034	0.0952	2.8160/2.8165	1.1550	
Rod Bearing(6) NOTE: Engines With 2.4375" Crankpins				2.4365/2.4375	0.0005/0.0030	0.0755	2.5885/2.5890	1.1250	
Cam Bearing Set 1				1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050	
Piston Pin Bushing(12) NOTE: 2 Per Rod,Requires Boring						0.0450	1.3125/1.3130	0.5570	
C/S Forging				195311, 192211B					
Connecting Rod Main Bearing				87 To 92 Lbs.Ft. 109 To 112 Lbs.Ft.					



WAUKESHA (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
10	283 CID (4.6L) F283G,VRG283 6 Cyl				3.875in./98.4mm x 4.000in./101.6mm				10
	283 CID (4.6L) VRD283 Diesel 6 Cyl				3.875in./98.4mm x 4.000in./101.6mm				
	283 CID (4.6L) VRG283 LPG 6 Cyl				3.875in./98.4mm x 4.000in./101.6mm				
	310 CID (5.1L) F310G,VRG310 6 Cyl				3.875in./98.4mm x 4.375in./111.1mm				
	310 CID (5.1L) F310G LPG 6 Cyl				3.875in./98.4mm x 4.375in./111.1mm				
	310 CID (5.1L) VRD310 Diesel 6 Cyl				3.875in./98.4mm x 4.375in./111.1mm				
	310 CID (5.1L) VRD310S Turbocharged Diesel 6 Cyl				3.875in./98.4mm x 4.375in./111.1mm				
310 CID (5.1L) VRG310 CNG 6 Cyl				3.875in./98.4mm x 4.375in./111.1mm					
Rod Bearing(6)	TM-112	CB-703P	STD,10,20,30,40	2.4365/2.4375	0.0005/0.0030	0.0755	2.5885/2.5890	1.1250	
Main Bearing Set	TM-112	MS-676P	STD,10,20,30						
1-2-3-4-6-7		MB-2225P		2.6240/2.6250	0.0018/0.0048	0.0950	2.8165/2.8175	1.2550	
5		MB-2226P(F)		2.6240/2.6250	0.0018/0.0048	0.0950	2.8165/2.8175	1.4980	
NOTE: .030" Undersize Set Contains .017" Oversize Length Flanged Bearing									
Cam Bearing Set	B-1	SH-614S	STD						
1-2-3-4		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050	
11	302 CID (5.0L) 195DLCA,195GL 6 Cyl				4.000in./101.6mm x 4.000in./101.6mm				11
	320 CID (5.2L) 195GK,195GKU 6 Cyl				4.125in./104.8mm x 4.000in./101.6mm				
Rod Bearing(6)	TM-112	CB-450P	STD,10	2.6240/2.6250	0.0009/0.0034	0.0952	2.8160/2.8165	1.1550	
NOTE: Engines With 2.625" Crankpins,Standard Engine									
Rod Bearing(6)	TM-112	CB-451P	STD,10,20,30,40	2.2490/2.2500	0.0005/0.0030	0.0850	2.4200/2.4205	1.1560	
NOTE: Engines With 2.250" Crankpins									
Rod Bearing(6)	TM-112	CB-703P	STD,10,20,30,40	2.4365/2.4375	0.0005/0.0030	0.0755	2.5885/2.5890	1.1250	
NOTE: Engines With 2.4375" Crankpins									
Main Bearing Set	TM-112	MS-349P	STD,10,20						
1-2-4		MB-1643P		2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.5050	
3		MB-1644P(F)		2.6240/2.6250	0.0008/0.0038	0.0955	2.8165/2.8175	1.7480	
NOTE: 190111 Crank Vane Oil Pump ,Standard Engine									
Cam Bearing Set	B-1	SH-330S	STD						
1		SH-330		1.7490/1.7500	0.0010/0.0050	0.0618	1.8745/1.8755	1.0050	
Piston Pin Bushing(12)	C-1	223-3514	STD			0.0450	1.3125/1.3130	0.5570	
NOTE: 2 Per Rod,Requires Boring									
Rod Forging	190107, 190307								
C/S Forging	190111, 190211, 191311, 195111, 195311, 192211B								
Connecting Rod	87 To 92 Lbs.Ft.								
Main Bearing	109 To 112 Lbs.Ft.								
12	302 CID (5.0L) 197DLCA,197DLC,197DLCS Diesel 6 Cyl				4.000in./101.6mm x 4.000in./101.6mm				12
Rod Bearing(6)	TM-112	CB-450P	STD,10	2.6240/2.6250	0.0009/0.0034	0.0952	2.8160/2.8165	1.1550	
Piston Pin Bushing(12)	C-1	223-3514	STD			0.0450	1.3125/1.3130	0.5570	
NOTE: 2 Per Rod,Requires Boring									
13	330 CID (5.4L) VRG330 CNG 6 Cyl				3.875in./98.4mm x 4.646in./118mm				13
5340CC (5.3L) VRD330 Diesel 6 Cyl				3.875in./98.4mm x 4.646in./118mm					
Cam Bearing Set	B-1	SH-1329S	STD						
1		SH-1328		1.8670/1.8690	0.0017/0.0047	0.0605	2.1245/2.1255	1.0720	
2-3-4		SH-1329		1.8670/1.8690	0.0015/0.0030	0.0605	2.1245/2.1255	0.8850	
NOTE: Except Engines With Hydraulic Pump, Requires Additional Bearing; Not Offered									
14	5340CC (5.3L) VRD330S Turbocharged Diesel 6 Cyl				3.875in./98.4mm x 4.646in./118mm				14
Rod Bearing(6)	TM-112	CB-1381P	STD,10,20,30	2.4360/2.4370	0.0010/0.0037	0.0753	2.5883/2.5893	1.1250	
Main Bearing Set	TM-112	MS-1700P	STD,10						
1-2-3-4-6-7		MB-3076P		2.9974/2.9984	0.0020/0.0050	0.0953	3.1910/3.1920	1.2550	
5		MB-3075P(F)		2.9974/2.9984	0.0020/0.0050	0.0953	3.1910/3.1920	1.4980	
Cam Bearing Set	B-1	SH-1329S	STD						
1		SH-1328		1.8670/1.8690	0.0017/0.0047	0.0605	2.1245/2.1255	1.0720	
2-3-4		SH-1329		1.8670/1.8690	0.0015/0.0030	0.0605	2.1245/2.1255	0.8850	
NOTE: Except Engines With Hydraulic Pump									



WAUKESHA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
15	426 CID (7.0L) 135DKB,135DKBS,135DKBSU,135DK,135DKS,135DKSU, 135DKU Diesel 6 Cyl			4.250in./108mm x 5.000in./127mm				15
	426 CID (7.0L) 135GK 6 Cyl			4.250in./108mm x 5.000in./127mm				
	426 CID (7.0L) 135GKB Flex 6 Cyl			4.250in./108mm x 5.000in./127mm				
	451 CID (7.4L) 135GZ,135GZU 6 Cyl			4.375in./111.1mm x 5.000in./127mm				
	451 CID (7.4L) 135GZB Flex 6 Cyl			4.375in./111.1mm x 5.000in./127mm				
Rod Bearing(6)	TM-112	CB-546P	STD,20	2.9990/3.0000	0.0015/0.0040	0.0955	3.1920/3.1925	1.3850
NOTE: Gasoline								
Rod Forging	A, 135007, 135007-A							
C/S Forging	135011, 01355011D							
Connecting Rod	109 To 112 Lbs.Ft.							
16	468 CID (7.6L) 140HL,140HS 6 Cyl			4.250in./108mm x 5.500in./139.7mm				16
	525 CID (8.6L) 140GK,140GS 6 Cyl			4.500in./114.3mm x 5.500in./139.7mm				
	525 CID (8.6L) 140GKB Flex 6 Cyl			4.500in./114.3mm x 5.500in./139.7mm				
	525 CID (8.6L) 140HK F Oil 6 Cyl			4.500in./114.3mm x 5.500in./139.7mm				
	554 CID (9.1L) 140GZ,140GZC,140GZU,F554G 6 Cyl			4.625in./117.5mm x 5.500in./139.7mm				
554 CID (9.1L) 140GZB Flex 6 Cyl			4.625in./117.5mm x 5.500in./139.7mm					
Rod Bearing(6)	TM-112	CB-291P	STD	2.6240/2.6250	0.0016/0.0041	0.1102	2.8465/2.8470	1.7230
Rod Forging	140107							
C/S Forging	140311, 140111-B, 140111-C, 140111-J							
Connecting Rod	96 To 100 Lbs.Ft.							
17	501 CID (8.2L) V 6 Cyl			4.500in./114.3mm x 5.250in./133.4mm				17
	638 CID (10.5L) 145GS 6 Cyl			4.750in./120.7mm x 6.000in./152.4mm				
	638 CID (10.5L) 145HS F Oil 6 Cyl			4.750in./120.7mm x 6.000in./152.4mm				
	779 CID (12.8L) 145GK,145GKU 6 Cyl			5.250in./133.4mm x 6.000in./152.4mm				
	779 CID (12.8L) 145GKB Flex 6 Cyl			5.250in./133.4mm x 6.000in./152.4mm				
	779 CID (12.8L) 145HK F Oil 6 Cyl			5.250in./133.4mm x 6.000in./152.4mm				
	817 CID (13.4L) 145GZ,145GZU,F817G 6 Cyl			5.375in./136.5mm x 6.000in./152.4mm				
817 CID (13.4L) 145GZB Flex 6 Cyl			5.375in./136.5mm x 6.000in./152.4mm					
Rod Bearing(6)	TM-112	CB-292P	STD,20	2.9990/3.0000	0.0014/0.0039	0.1103	3.2215/3.2220	1.9730
Main Bearing Set	TM-112	MS-766P	STD					
1-2-3-5-6		MB-1130P		3.4990/3.5000	0.0022/0.0052	0.1253	3.7526/3.7535	1.8480
4		MB-1131P		3.4990/3.5000	0.0022/0.0052	0.1253	3.7526/3.7535	3.4730
7		MB-2297P		3.4990/3.5000	0.0018/0.0043	0.1255	3.7526/3.7535	2.9110
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-131S								
Thrust Washer Set		TW-131S	STD					
		MB-2297W		3.5150/3.5200	3.7450/3.7500			0.1250
NOTE: Contains 4 Pieces, Position Number 7, Use With Part Number MS-766P								
Cam Bearing Set	B-1	SH-142S	STD					
1-2-3-4		SH-142		2.4990/2.5000	0.0010/0.0050	0.0618	2.6245/2.6255	1.5100
Piston Pin	C-1	223-3488	STD	0.0405 1.6870/1.6875 1.8540				
Bushing(6)								
NOTE: Requires Boring								
Connecting Rod	67 To 69 Lbs.Ft.							
Main Bearing	267 To 275 Lbs.Ft.							
18	1013 CID (16.6L) 6WAL,6WALH 6 Cyl			5.750in./146.1mm x 6.500in./165.1mm				18
	1196 CID (19.6L) 6WAKB,6WAKD,6WAK Flex 6 Cyl			6.250in./158.8mm x 6.500in./165.1mm				
	1196 CID (19.6L) 6WAKC,6WAKDB,6WAKDBS,6WAKDS,6WAKM,F1197G, F1197GR 6 Cyl			6.250in./158.8mm x 6.500in./165.1mm				
	1196 CID (19.6L) 6WAKH F Oil 6 Cyl			6.250in./158.8mm x 6.500in./165.1mm				
Rod Bearing(6)	TM-112	CB-609P	STD	3.3740/3.3750	0.0020/0.0045	0.1245	3.6255/3.6260	2.0620
NOTE: Late,Locking Lip Type Rod Bearings								
Main Bearing Set	TM-112	MS-637P	STD					
1-2-3-5-6		MB-2178P		3.9990/4.0000	0.0033/0.0058	0.2485	4.5000/4.5005	2.1860
4		MB-2179P		3.9990/4.0000	0.0033/0.0058	0.2485	4.5000/4.5005	3.5670
7		MB-2180P		3.9990/4.0000	0.0033/0.0058	0.2485	4.5000/4.5005	3.2230
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-127S								
Thrust Washer Set		TW-127S	STD					
		MB-2178W		4.0625	5.2500			0.1260
NOTE: Contains 4 Pieces, Position Number 1, Use With Part Number MS-637P								



WAUKESHA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
18 (Cont.)	1013 CID (16.6L) 6WAL,6WALH 6 Cyl				5.750in./146.1mm x 6.500in./165.1mm			18 (Cont.)
	1196 CID (19.6L) 6WAKB,6WAKD,6WAK Flex 6 Cyl				6.250in./158.8mm x 6.500in./165.1mm			
	1196 CID (19.6L) 6WAKC,6WAKDB,6WAKDBS,6WAKDS,6WAKM,F1197G, F1197GR 6 Cyl				6.250in./158.8mm x 6.500in./165.1mm			
	1196 CID (19.6L) 6WAKH F Oil 6 Cyl				6.250in./158.8mm x 6.500in./165.1mm			
Cam Bearing Set	B-1	SH-439S	STD					
1		SH-439		2.7420/2.7430	0.0020/0.0060	0.0645	2.8740/2.8750	1.8850
2-3		SH-440		2.7420/2.7430	0.0020/0.0060	0.0645	2.8740/2.8750	1.5100
4		SH-441		2.0550/2.0560	0.0020/0.0060	0.0643	2.1865/2.1875	2.2600
Piston Pin Bushing(6)	C-1	223-3623	STD			1.0600	2.0620/2.0625	1.0100
NOTE: Requires Boring								
Rod Forging	123007, 125107							
C/S Forging	123011G, 123011T, 123011U, 125211-A, 125211-D, 123011GSA							
Connecting Rod	86 To 88 Lbs.Ft.							
Main Bearing	292 To 300 Lbs.Ft.							
19	1196 CID (19.6L) 6WAKDM,6WAKR Flex 6 Cyl				6.250in./158.8mm x 6.500in./165.1mm			19
Piston Pin Bushing(6)	C-1	223-3623	STD			1.0600	2.0620/2.0625	1.0100
NOTE: Requires Boring								
20	1905 CID (31.2L) 6NKB,6NKDB,6NKDBS,6NKR,6NKR B,F1905D,F1905DS, F1905DU,F1905G,F1905GR 6 Cyl				7.000in./177.8mm x 8.250in./209.6mm			20
	1905 CID (31.2L) 6NKD,6NKDS Diesel 6 Cyl				7.000in./177.8mm x 8.250in./209.6mm			
Rod Bearing(6)	TM-112	CB-551P	STD	4.3740/4.3750	0.0025/0.0054	0.1510	4.6790/4.6795	2.4370
Piston Pin Bushing(6)	C-1	223-3632	STD			0.2520	2.7440/2.7480	1.3530
NOTE: Requires Boring								
Rod Forging	97007-B							
C/S Forging	97011-B, 97011-C							
Connecting Rod	167 To 175 Lbs.Ft.							
21	2894 CID (47.5L) F2895D Diesel 6 Cyl				8.500in./215.9mm x 8.500in./215.9mm			21
	2894 CID (47.5L) F2895G CNG 6 Cyl				8.500in./215.9mm x 8.500in./215.9mm			
	3520 CID (57.7L) F3521G Turbocharged 6 Cyl				9.375in./238.1mm x 8.500in./215.9mm			
Rod Bearing(6)	TM-112	CB-973P(L)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205007 With Dowel Pin In Cap,Connecting Rod Series 205407C,D,H,J With Dowel Pin In Cap,Upper Half Locating Lug Centered,Upper Half Oil Holes 20 Degrees From Parting Line, Contains Lower Half Only,Not Sold In Pairs, Use With Part Number CB-973P(U) (6)								
Rod Bearing(6)	TM-112	CB-973P(U)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205007 With Dowel Pin In Cap,Upper Half Oil Holes 20 Degrees From Parting Line, Contains Upper Half Only,Not Sold In Pairs, Use With Part Number CB-973P(L) (6)								
Rod Bearing(6)	TM-112	CB-1396P(U)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205407C,D,H,J With Dowel Pin In Cap,Connecting Rod Series 205507,Lower Half Has Locating Lug,Upper Half Locating Lug Centered, Contains Upper Half Only,Not Sold In Pairs, Use With Part Number CB-973P(L) (6)								
Rod Bearing(6)	TM-112	CB-1397P(L)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205507,Lower Half Has Locating Lug,Upper Half Locating Lug Centered, Contains Lower Half Only,Not Sold In Pairs								
Main Bearing(6)	TM-112	MB-2608P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	4.1300
NOTE: 2 Per Position,Not Sold In Pairs, Positions Number 1,4, And 7								
Main Bearing(8)	TM-112	MB-2609P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	3.0050
NOTE: 2 Per Position,Not Sold In Pairs, Positions Number 2,3,5, And 6								
Piston Pin Bushing(6)	C-1	223-3631	STD			0.1400	3.2435/3.2475	1.5720
NOTE: Requires Boring								
12 CYL								
22	5788 CID (94.9L) L5100D,L5100G,L5108D,L5108G,L5788D,L5788DS,L5788DU, L5788G,L5788GR,VLR,VLRD,VLRDB,VLRDBS,VLRDBSU,VLRDS,VLRO, VLROB,VLROBU,VLROR V12 Cyl				8.500in./215.9mm x 8.500in./215.9mm			22
Rod Bearing(12)	TM-112	CB-597P	STD	5.7490/5.7500	0.0031/0.0065	0.1862	6.1250/6.1260	2.7500



WAUKESHA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
12 CYL (Cont.)								
22 (Cont.)	5788 CID (94.9L) L5100D,L5100G,L5108D,L5108G,L5788D,L5788DS,L5788DU, L5788G,L5788GR,VLR,VLRD,VLRDB,VLRDBS,VLRDBSU,VLRDS,VLRO, VLROB,VLROBU,VLROR V12 Cyl						8.500in./215.9mm x 8.500in./215.9mm	22 (Cont.)
Main Bearing(6)	TM-112	MB-2608P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	4.1300
NOTE: 2 Per Position,Not Sold In Pairs, Positions Number 1,4, And 7								
Main Bearing(8)	TM-112	MB-2609P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	3.0050
NOTE: 2 Per Position,Not Sold In Pairs, Positions Number 2,3,5, And 6								
Piston Pin Bushing(12)	C-1	223-3631	STD			0.1400	3.2435/3.2475	1.5720
NOTE: Requires Boring								
Rod Forging	20007, 200007							
C/S Forging	0200011							
23	5788 CID (94.9L) L5790D Diesel 12 Cyl					8.500in./215.9mm x 8.500in./215.9mm		23
Rod Bearing(12)	TM-112	CB-973P(L)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205007 With Dowel Pin In Cap,Connecting Rod Series 205407C,D,H,J With Dowel Pin In Cap,Upper Half Locating Lug Centered,Upper Half Oil Holes 20 Degrees From Parting Line, Contains Lower Half Only,Not Sold In Pairs, Use With Part Number CB-973P(U) (12)								
Rod Bearing(12)	TM-112	CB-973P(U)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Upper Half Oil Holes 20 Degrees From Parting Line,Connecting Rod Series 205007 With Dowel Pin In Cap, Contains Upper Half Only,Not Sold In Pairs, Use With Part Number CB-973P(L) (12)								
Rod Bearing(12)	TM-112	CB-1396P(U)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205407C,D,H,J With Dowel Pin In Cap,Connecting Rod Series 205507,Lower Half Has Locating Lug,Upper Half Locating Lug Centered, Contains Upper Half Only,Not Sold In Pairs, Use With Part Number CB-973P(L) (12)								
Rod Bearing(12)	TM-112	CB-1397P(L)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205507,Lower Half Has Locating Lug,Upper Half Locating Lug Centered, Contains Lower Half Only,Not Sold In Pairs								
Main Bearing(6)	TM-112	MB-2608P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	4.1300
NOTE: 2 Per Position,Not Sold In Pairs, Positions Number 1,4, And 7								
Main Bearing(8)	TM-112	MB-2609P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	3.0050
NOTE: 2 Per Position,Not Sold In Pairs, Positions Number 2,3,5, And 6								
Piston Pin Bushing(12)	C-1	223-3631	STD			0.1400	3.2435/3.2475	1.5720
NOTE: Requires Boring								
24	5788 CID (94.9L) L5790G CNG 12 Cyl					8.500in./215.9mm x 8.500in./215.9mm		24
Main Bearing(6)	TM-112	MB-2608P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	4.1300
NOTE: 2 Per Position,Not Sold In Pairs, Positions Number 1,4, And 7								
Main Bearing(8)	TM-112	MB-2609P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	3.0050
NOTE: 2 Per Position,Not Sold In Pairs, Positions Number 2,3,5, And 6								
Piston Pin Bushing(12)	C-1	223-3631	STD			0.1400	3.2435/3.2475	1.5720
NOTE: Requires Boring								
25	7042 CID (115.4L) L7042G 12 Cyl 7042 CID (115.4L) L7042G Turbocharged CNG 12 Cyl					9.375in./238.1mm x 8.500in./215.9mm 9.375in./238.1mm x 8.500in./215.9mm		25
Rod Bearing(12)	TM-112	CB-973P(L)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205007 With Dowel Pin In Cap,Connecting Rod Series 205407C,D,H,J With Dowel Pin In Cap,Upper Half Locating Lug Centered,Upper Half Oil Holes 20 Degrees From Parting Line, Contains Lower Half Only,Not Sold In Pairs, Use With Part Number CB-973P(U) (12)								
Rod Bearing(12)	TM-112	CB-973P(U)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205007 With Dowel Pin In Cap,Upper Half Oil Holes 20 Degrees From Parting Line, Contains Upper Half Only,Not Sold In Pairs, Use With Part Number CB-973P(L) (12)								
Rod Bearing(12)	TM-112	CB-1396P(U)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205407C,D,H,J With Dowel Pin In Cap,Connecting Rod Series 205507,Lower Half Has Locating Lug,Upper Half Locating Lug Centered, Contains Upper Half Only,Not Sold In Pairs, Use With Part Number CB-973P(L) (12)								



WAUKESHA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
12 CYL (Cont.)								
25 (Cont.)	7042 CID (115.4L) L7042G 12 Cyl				9.375in./238.1mm x 8.500in./215.9mm			25 (Cont.)
	7042 CID (115.4L) L7042G Turbocharged CNG 12 Cyl				9.375in./238.1mm x 8.500in./215.9mm			
Rod Bearing(12)	TM-112	CB-1397P(L)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205507, Lower Half Has Locating Lug, Upper Half Locating Lug Centered, Contains Lower Half Only, Not Sold In Pairs								
Main Bearing(6)	TM-112	MB-2608P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	4.1300
NOTE: Angle Drilled Crankshaft, 2 Per Position, Not Sold In Pairs, Positions Number 1, 4, And 7, Use With Part Number MB-2609P(U) (8)								
Main Bearing(8)	TM-112	MB-2609P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	3.0050
NOTE: Angle Drilled Crankshaft, 2 Per Position, Not Sold In Pairs, Positions Number 2, 3, 5, And 6								
Main Bearing(3)	TM-112	MB-3099P(U)	STD	6.2490/6.2500	0.0048/0.0087	0.2035	6.6615/6.6630	4.1300
NOTE: T Drilled Crankshaft, Not Sold In Pairs, Position Number 1, Position Number 4, Position Number 7, Upper, Use With Part Number MB-3100P(L) (3)								
Main Bearing(3)	TM-112	MB-3100P(L)	STD	6.2490/6.2500	0.0048/0.0087	0.2035	6.6615/6.6630	4.1300
NOTE: T Drilled Crankshaft, Not Sold In Pairs, Lower, Position Number 1, Position Number 4, Position Number 7, Use With Part Number MB-3099P(U) (3)								
Main Bearing(4)	TM-112	MB-3101P(U)	STD	6.2490/6.2500	0.0048/0.0087	0.2035	6.6615/6.6630	3.0050
NOTE: T Drilled Crankshaft, Not Sold In Pairs, Position Number 2, Position Number 3, Position Number 5, Position Number 6, Upper, Use With Part Number MB-3102P(L) (4)								
Main Bearing(4)	TM-112	MB-3102P(L)	STD	6.2490/6.2500	0.0048/0.0087	0.2035	6.6615/6.6630	3.0050
NOTE: T Drilled Crankshaft, Not Sold In Pairs, Lower, Position Number 2, Position Number 3, Position Number 5, Position Number 6, Use With Part Number MB-3101P(U) (4)								
Piston Pin Bushing(12)	C-1	223-3631	STD			0.1400	3.2435/3.2475	1.5720
NOTE: Requires Boring								
16 CYL								
26	9388 CID (154.0L) P9390G, P9390GSI V16 Cyl				9.375in./238.1mm x 8.500in./215.9mm			26
	9388 CID (154.0L) P9390GL Turbocharged CNG V16 Cyl				9.375in./238.1mm x 8.500in./215.9mm			
Rod Bearing(16)	TM-112	CB-973P(L)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205007 With Dowel Pin In Cap, Connecting Rod Series 205407C, D, H, J With Dowel Pin In Cap, Upper Half Locating Lug Centered, Upper Half Oil Holes 20 Degrees From Parting Line, Contains Lower Half Only, Not Sold In Pairs, Use With Part Number CB-973P(U) (16)								
Rod Bearing(16)	TM-112	CB-973P(U)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205007 With Dowel Pin In Cap, Upper Half Oil Holes 20 Degrees From Parting Line, Contains Upper Half Only, Not Sold In Pairs, Use With Part Number CB-973P(L) (16)								
Rod Bearing(16)	TM-112	CB-1396P(U)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205407C, D, H, J With Dowel Pin In Cap, Connecting Rod Series 205507, Lower Half Has Locating Lug, Upper Half Locating Lug Centered, Contains Upper Half Only, Not Sold In Pairs, Use With Part Number CB-973P(L) (16)								
Rod Bearing(16)	TM-112	CB-1397P(L)	STD	6.2490/6.2500	0.0042/0.0076	0.1854	6.6250/6.6260	2.5000
NOTE: Connecting Rod Series 205507, Lower Half Has Locating Lug, Upper Half Locating Lug Centered, Contains Lower Half Only, Not Sold In Pairs, Use With Part Number CB-1396P(U) (16)								
Main Bearing(4)	TM-112	MB-2608P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	4.1300
NOTE: Angle Drilled Crankshaft, 2 Per Position, Not Sold In Pairs, Positions 1 And 10, Use With Part Number MB-2609P(U) (16)								
Main Bearing(16)	TM-112	MB-2609P(U)	STD	6.2490/6.2500	0.0038/0.0077	0.2040	6.6615/6.6630	3.0050
NOTE: Angle Drilled Crankshaft, 2 Per Position, Not Sold In Pairs, Positions 2, 3, 4, 5, 6, 7, 8, And 9, Use With Part Number MB-2608P(U) (4)								
Main Bearing(2)	TM-112	MB-3099P(U)	STD	6.2490/6.2500	0.0048/0.0087	0.2035	6.6615/6.6630	4.1300
NOTE: T Drilled Crankshaft, Not Sold In Pairs, Positions 1 And 10, Upper, Use With Part Number MB-3100P(L) (2)								
Main Bearing(2)	TM-112	MB-3100P(L)	STD	6.2490/6.2500	0.0048/0.0087	0.2035	6.6615/6.6630	4.1300
NOTE: T Drilled Crankshaft, Not Sold In Pairs, Lower, Positions 1 And 10, Use With Part Number MB-3099P(U) (2)								
Main Bearing(8)	TM-112	MB-3101P(U)	STD	6.2490/6.2500	0.0048/0.0087	0.2035	6.6615/6.6630	3.0050
NOTE: T Drilled Crankshaft, Not Sold In Pairs, Positions 2, 3, 4, 5, 6, 7, 8, And 9, Use With Part Number MB-3102P(L) (8)								



WAUKESHA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
16 CYL (Cont.)								
26 (Cont.)	9388 CID (154.0L) P9390G,P9390GSI V16 Cyl				9.375in./238.1mm x 8.500in./215.9mm			26 (Cont.)
	9388 CID (154.0L) P9390GL Turbocharged CNG V16 Cyl				9.375in./238.1mm x 8.500in./215.9mm			
Main Bearing(8)	TM-112	MB-3102P(L)	STD	6.2490/6.2500	0.0048/0.0087	0.2035	6.6615/6.6630	3.0050
NOTE: T Drilled Crankshaft, Not Sold In Pairs, Positions 2,3,4,5,6,7,8, And 9, Use With Part Number MB-3101P(U) (8)								
Piston Pin Bushing(16)	C-1	223-3631	STD			0.1400	3.2435/3.2475	1.5720
NOTE: Requires Boring								
WHITE								
ENGINE DATA								
Engine	Years	Block	Engine	Years	Block			
6 CYL			6 CYL (Cont.)					
354 CID (5.8L) 6-354 Perkins Diesel		1	354 CID (5.8L) T6-354 Perkins Turbocharged Diesel		4			
354 CID (5.8L) 6-354.2 Perkins Diesel		1	354 CID (5.8L) T6-354.3 Perkins Turbocharged Diesel		5			
354 CID (5.8L) 6-354.4 Perkins Diesel		2	354 CID (5.8L) T6-354.4 Perkins Turbocharged Diesel		5			
354 CID (5.8L) AT6-354.4 Perkins Turbocharged Diesel		3	504 CID (8.3L) 504B Minneapolis Moline Diesel		6			
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
2-85	354 CID (5.8L) 6-354 Perkins Diesel		1	7600	354 CID (5.8L) 6-354 Perkins Diesel		1	
2-85	354 CID (5.8L) AT6-354.4 Perkins Diesel		3	7800	354 CID (5.8L) T6-354 Perkins Diesel		4	
2-105	354 CID (5.8L) AT6-354.4 Perkins Diesel		3	8600	354 CID (5.8L) 6-354.2 Perkins Diesel		1	
2270	504 CID (8.3L) 504B Minneapolis Moline Diesel		6	8700 DSL	354 CID (5.8L) 6-354.4 Perkins Diesel		2	
5542	354 CID (5.8L) 6-354 Perkins Diesel		1	8800	354 CID (5.8L) T6-354.3 Perkins Diesel		5	
7300	354 CID (5.8L) 6-354 Perkins Diesel		1	8900	354 CID (5.8L) T6-354.4 Perkins Diesel		5	
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
1	354 CID (5.8L) 6-354,6-354.2 Perkins Diesel 6 Cyl				3.877in./98.5mm x 5.000in./127mm			1
Rod Bearing(6)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set 1-2-3-5-6-7	AL-3	MS-757AL	STD,10,20,30	2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2550
4		MB-2221AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set		TW-121S	STD	3.4200/3.4300			4.0880/4.0980	0.0910
		MB-2222W(L)		3.4200/3.4300			4.0880/4.0980	0.0910
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4, Use With Part Number MS-757AL								
Thrust Washer Set		TW-316S	STD	3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(L)		3.4200/3.4300			4.0880/4.0980	0.0900
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4								
Rod Forging	59554, 31337310, 31337180JGSB							
C/S Forging	3132302, 31322302							
Connecting Rod	65 To 70 Lbs.Ft.							
Main Bearing	145 To 150 Lbs.Ft.							
2	354 CID (5.8L) 6-354.4 Perkins Diesel 6 Cyl				3.877in./98.5mm x 5.000in./127mm			2
Rod Bearing(6)	AL-3	CB-667AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550



WHITE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
2 (Cont.)	354 CID (5.8L) 6-354.4 Perkins Diesel 6 Cyl				3.877in./98.5mm x 5.000in./127mm			2 (Cont.)
Main Bearing Set 1-2-3-5-6-7 4	AL-3	MS-1548AL MB-2789AL MB-2790AL	STD,10	2.9985/2.9990 2.9985/2.9990	0.0027/0.0052 0.0027/0.0052	0.0823 0.0823	3.1660/3.1670 3.1660/3.1670	1.2400 1.4400
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-316S								
Thrust Washer Set		TW-316S MB-2636W(L) MB-2636W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0900 0.0900
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1548AL								
Rod Forging	59554, 31337310, 31337180	JGSB						
C/S Forging	3132302, 31322302							
Connecting Rod	75 Lbs.Ft.	(Cadmium Plated Bolts)						
Connecting Rod	95 Lbs.Ft.	(Phosphated Bolts)						
Main Bearing	200 Lbs.Ft.							
3	354 CID (5.8L) AT6-354.4 Perkins Turbocharged Diesel 6 Cyl				3.877in./98.5mm x 5.000in./127mm			3
Rod Bearing(6)	AL-3	CB-1209AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set 1-2-3-5-6-7 4	AL-3	MS-1548AL MB-2789AL MB-2790AL	STD,10	2.9985/2.9990 2.9985/2.9990	0.0027/0.0052 0.0027/0.0052	0.0823 0.0823	3.1660/3.1670 3.1660/3.1670	1.2400 1.4400
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set		TW-121S MB-2222W(L) MB-2222W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0910 0.0910
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4								
Thrust Washer Set		TW-316S MB-2636W(L) MB-2636W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0900 0.0900
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4								
4	354 CID (5.8L) T6-354 Perkins Turbocharged Diesel 6 Cyl				3.877in./98.5mm x 5.000in./127mm			4
Rod Bearing(6)	AL-3	CB-1209AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set 1-2-3-5-6-7 4	AL-3	MS-757AL MB-2221AL MB-2222AL	STD,10,20,30	2.9985/2.9990 2.9985/2.9990	0.0027/0.0052 0.0027/0.0052	0.0823 0.0823	3.1660/3.1670 3.1660/3.1670	1.2550 1.4450
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set		TW-121S MB-2222W(L) MB-2222W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0910 0.0910
NOTE: Thru Engine Serial Number 8504189, Contains 4 Pieces, Position Number 4, Use With Part Number MS-757AL								
Thrust Washer Set		TW-316S MB-2636W(L) MB-2636W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0900 0.0900
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4, Use With Part Number MS-757AL								
5	354 CID (5.8L) T6-354.3,T6-354.4 Perkins Turbocharged Diesel 6 Cyl				3.877in./98.5mm x 5.000in./127mm			5
Rod Bearing(6)	AL-3	CB-1209AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set 1-2-3-5-6-7 4	AL-3	MS-1548AL MB-2789AL MB-2790AL	STD,10	2.9985/2.9990 2.9985/2.9990	0.0027/0.0052 0.0027/0.0052	0.0823 0.0823	3.1660/3.1670 3.1660/3.1670	1.2400 1.4400
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-121S,TW-316S								
Thrust Washer Set		TW-316S MB-2636W(L) MB-2636W(U)	STD	3.4200/3.4300 3.4200/3.4300			4.0880/4.0980 4.0880/4.0980	0.0900 0.0900
NOTE: Contains 4 Pieces, Position Number 4, Use With Part Number MS-1548AL								
6	504 CID (8.3L) 504B Minneapolis Moline Diesel 6 Cyl				4.625in./117.5mm x 5.000in./127mm			6
Rod Bearing(6)	TM-112	CB-591P	STD,10,20	2.9115/2.9120	0.0019/0.0044	0.1053	3.1240/3.1250	2.0780
Rod Forging	10A-5090							



WHITE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
6 (Cont.)	504 CID (8.3L) 504B Minneapolis Moline Diesel 6 Cyl				4.625in./117.5mm x 5.000in./127mm			6 (Cont.)
Connecting Rod	80 To 85 Lbs.Ft.							
Main Bearing	195 To 205 Lbs.Ft. (Bearing Cap Number 1)							
Main Bearing	95 To 105 Lbs.Ft. (Bearing Caps Number 2, 3, And 4)							
WHITE TRUCK								
ENGINE DATA								
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block	
6-170A White 331 CID (5.4L)	4.125in./104.8mmX4.125in./104.8mm		1	6-200A White 400 CID (6.6L)	4.250in./108mmX4.703in./119.5mm		1	
6-186A White 362 CID (5.9L)	4.250in./108mmX4.250in./108mm		1					
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
1	331 CID (5.4L) 6-170A White 6 Cyl				4.125in./104.8mm x 4.125in./104.8mm			1
	362 CID (5.9L) 6-186A White 6 Cyl				4.250in./108mm x 4.250in./108mm			
	400 CID (6.6L) 6-200A White 6 Cyl				4.250in./108mm x 4.703in./119.5mm			
Rod Bearing	TM-112	CB-659P	STD,10	2.3093/2.3100	0.0019/0.0041	0.0628	2.4370/2.4375	1.1120
NOTE: From Engine Serial Number 269632								
WISCONSIN								
ENGINE DATA								
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block	
1 CYL				4 CYL				
AE 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm		1	MTHD 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm		4	
AED 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm		1	MVE-4D 92 CID (1.5L)	3.000in./76.2mmX3.250in./82.6mm		4	
AEH 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm		1	MVF-4D 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm		4	
AEHD 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm		1	MVG-4D 149 CID (2.4L)	3.438in./87.3mmX4.000in./101.6mm		7	
AEHS 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm		1	MVH-4D 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm		4	
AEM 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm		1	V460D 154 CID (2.5L)	3.500in./88.9mmX4.000in./101.6mm		7	
AEN 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm		1	V461D 154 CID (2.5L)	3.500in./88.9mmX4.000in./101.6mm		7	
AEND 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm		1	V465D 177 CID (2.9L)	3.500in./88.9mmX4.000in./101.6mm		7	
AENS 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm		1	VE4 92 CID (1.5L)	3.000in./76.2mmX3.250in./82.6mm		5	
AENSD 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm		1	VE4D 92 CID (1.5L)	3.000in./76.2mmX3.250in./82.6mm		5	
AES 23 CID (0.4L)	3.000in./76.2mmX3.250in./82.6mm		1	VE41 92 CID (1.5L)	3.000in./76.2mmX3.250in./82.6mm		5	
2 CYL				VF4 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm		5	
TE 46 CID (0.8L)	3.000in./76.2mmX3.250in./82.6mm		2	VF4D 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm		5	
TED 46 CID (0.8L)	3.000in./76.2mmX3.250in./82.6mm		2	VF41 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm		5	
TF 54 CID (0.9L)	3.250in./82.6mmX3.250in./82.6mm		2	VG4D 157 CID (2.6L)	3.500in./88.9mmX4.000in./101.6mm		8	
TFD 54 CID (0.9L)	3.250in./82.6mmX3.250in./82.6mm		2	VH4 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm		6	
TH 54 CID (0.9L)	3.250in./82.6mmX3.250in./82.6mm		2	VH4D 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm		6	
THD 54 CID (0.9L)	3.250in./82.6mmX3.250in./82.6mm		2	VH4DM 108 CID (1.8L)	3.250in./82.6mmX3.250in./82.6mm		6	
TJ 54 CID (0.9L)	3.250in./82.6mmX3.250in./82.6mm		3					
TJD 54 CID (0.9L)	3.250in./82.6mmX3.250in./82.6mm		3					
CONNECTING ROD FORGING NUMBERS								
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
DA-51-A	3.250in./82.6mm	2	DA-51-B	3.250in./82.6mm	2	DA-65	3.250in./82.6mm	4
DA-51-A	3.250in./82.6mm	3	DA-51-B	3.250in./82.6mm	3	DA-66-A-4	4.000in./101.6mm	7
CRANKSHAFT FORGING NUMBERS								
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
CA-55	3.250in./82.6mm	5	CA-69D	4.000in./101.6mm	7	CA-71-C	3.250in./82.6mm	4
CA-68	3.250in./82.6mm	4	CA-70	3.250in./82.6mm	4			



WISCONSIN (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
1 CYL								
1	23 CID (0.4L) AE,AED,AEH,AEHD,AEHS,AEM,AEN,AEND,AENS,AENSD,AES 1 Cyl				3.000in./76.2mm x 3.250in./82.6mm			1
Piston Pin Bushing	C-1	223-3471	STD		0.0710		0.8700/0.8735	1.0100
NOTE: Requires Light Reaming								
2 CYL								
2	46 CID (0.8L) TE,TED 2 Cyl 54 CID (0.9L) TF,TFD,TH,THD 2 Cyl				3.000in./76.2mm x 3.250in./82.6mm 3.250in./82.6mm x 3.250in./82.6mm			2
Rod Bearing(2)	B-2	CB-983M	STD,10	1.7500/1.7510	0.0014/0.0035	0.0613	1.8745/1.8750	0.8640
Piston Pin Bushing(2)	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100
NOTE: Requires Light Reaming								
Rod Forging	DA-51-A, DA-51-B							
Connecting Rod	24 Lbs.Ft.							
Main Bearing	30 Lbs.Ft.							
3	54 CID (0.9L) TJ,TJD 2 Cyl				3.250in./82.6mm x 3.250in./82.6mm			3
Rod Bearing(2)	B-2	CB-979M	STD,10,20	1.8750/1.8760	0.0014/0.0035	0.0613	1.9995/2.0000	0.8640
Rod Forging	DA-51-A, DA-51-B							
Connecting Rod	24 Lbs.Ft.							
Main Bearing	30 Lbs.Ft.							
4 CYL								
4	92 CID (1.5L) MVE-4D V4 Cyl 108 CID (1.8L) MTHD,MVF-4D,MVH-4D V4 Cyl				3.000in./76.2mm x 3.250in./82.6mm 3.250in./82.6mm x 3.250in./82.6mm			4
Rod Bearing(4)	TM-77	CB-556P	STD,10,20	1.8090/1.8100	0.0014/0.0044	0.0628	1.9365/1.9375	1.0050
Rod Forging	DA-65							
C/S Forging	CA-68, CA-70, CA-71-C							
5	92 CID (1.5L) VE4,VE41,VE4D V4 Cyl 108 CID (1.8L) VF4,VF41,VF4D V4 Cyl				3.000in./76.2mm x 3.250in./82.6mm 3.250in./82.6mm x 3.250in./82.6mm			5
Rod Bearing(4)	B-2	CB-983M	STD,10	1.7500/1.7510	0.0014/0.0035	0.0613	1.8745/1.8750	0.8640
Piston Pin Bushing(4)	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100
NOTE: Requires Light Reaming								
C/S Forging	CA-55							
Connecting Rod	24 Lbs.Ft.							
6	108 CID (1.8L) VH4,VH4D,VH4DM V4 Cyl				3.250in./82.6mm x 3.250in./82.6mm			6
Rod Bearing(4)	B-2	CB-979M	STD,10,20	1.8750/1.8760	0.0014/0.0035	0.0613	1.9995/2.0000	0.8640
Piston Pin Bushing(4)	C-1	223-3471	STD			0.0710	0.8700/0.8735	1.0100
NOTE: Requires Light Reaming								
Connecting Rod	24 Lbs.Ft.							
7	149 CID (2.4L) MVG-4D V4 Cyl 154 CID (2.5L) V460D,V461D V4 Cyl 177 CID (2.9L) V465D V4 Cyl				3.438in./87.3mm x 4.000in./101.6mm 3.500in./88.9mm x 4.000in./101.6mm 3.500in./88.9mm x 4.000in./101.6mm			7
Rod Bearing(4)	TM-77	CB-579P	STD,10,20	2.1232/2.1240	0.0005/0.0031	0.0628	2.2495/2.2500	1.1900
Rod Forging	DA-66-A-4							
C/S Forging	CA-69D							
8	157 CID (2.6L) VG4D V4 Cyl				3.500in./88.9mm x 4.000in./101.6mm			8
Rod Bearing(4)	B-2	CB-995M	STD,10,20	2.1250/2.1260	0.0016/0.0037	0.0612	2.2495/2.2500	1.0520
Connecting Rod	32 Lbs.Ft.							



WORKHORSE							
ENGINE DATA							
Engine	Years	Block	Engine	Years	Block		
6 CYL			8 CYL (Cont.)				
262 CID (4.3L) Vortec 4300 Chevrolet	2000-2003	1	395 CID/6468CC (6.5L) Chevrolet Diesel	2000-2002	5		
			403 CID/6599CC (6.6L) Duramax 6600 LB7 OHV General Motors Turbocharged/Intercooled Diesel	2004	6		
8 CYL							
294 CID (4.8L) Vortec 4800 Chevrolet	2006-2007	2	403 CID/6599CC (6.6L) Duramax 6600 LLY General Motors Turbocharged/Intercooled Diesel	2005	6		
294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2004-2007	2					
350 CID (5.7L) Fuel Injected Chevrolet	2000-2003	3	454 CID (7.4L) Chevrolet	2000	7		
365 CID (6.0L) Vortec 6000 Chevrolet	2004-2007	4	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2002-2007	8		
MODEL DATA							
Model	Engine	Years	Block	Model	Engine	Years	Block
C-Class	365 CID (6.0L) Vortec 6000 Chevrolet	2007	4	FT1801	395 CID/6468CC (6.5L) Chevrolet Diesel	2002-2005	5
CP30542	262 CID (4.3L) Vortec 4300 Chevrolet	2001-2003	1	FT1802	350 CID (5.7L) Fuel Injected Chevrolet	2002	3
CP30842	262 CID (4.3L) Vortec 4300 Chevrolet	2001-2003	1	FT1802	395 CID/6468CC (6.5L) Chevrolet Diesel	2002-2003	5
CP30842	350 CID (5.7L) Fuel Injected Chevrolet	2001-2004	3	FT-4210	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2007	2
CP30842	395 CID/6468CC (6.5L) Chevrolet Diesel	2001-2005	5	FT-4212	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2007	2
CP31042	262 CID (4.3L) Vortec 4300 Chevrolet	2001-2003	1	FT-4214	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2007	2
CP31042	350 CID (5.7L) Fuel Injected Chevrolet	2001-2004	3	FT-4214	365 CID (6.0L) Vortec 6000 Chevrolet	2007	4
CP31042	395 CID/6468CC (6.5L) Chevrolet Diesel	2001-2005	5	FT-4216	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2007	2
CP31442	350 CID (5.7L) Fuel Injected Chevrolet	2001-2004	3	FT-4216	365 CID (6.0L) Vortec 6000 Chevrolet	2007	4
CP31442	395 CID/6468CC (6.5L) Chevrolet Diesel	2001-2005	5	FT-4218	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2007	2
CP31842	350 CID (5.7L) Fuel Injected Chevrolet	2001-2004	3	FT-4218	365 CID (6.0L) Vortec 6000 Chevrolet	2007	4
CP31842	395 CID/6468CC (6.5L) Chevrolet Diesel	2001-2005	5	LF-Series	403 CID/6599CC (6.6L) Duramax 6600 LB7 OHV General Motors Diesel	2004	6
FT931	262 CID (4.3L) Vortec 4300 Chevrolet	2002-2003	1	LF-Series	403 CID/6599CC (6.6L) Duramax 6600 LLY General Motors Diesel	2004-2007	6
FT1061	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2004-2005	2	P30542	262 CID (4.3L) Vortec 4300 Chevrolet	2000	1
FT1061	350 CID (5.7L) Fuel Injected Chevrolet	2002-2004	3	P30842	262 CID (4.3L) Vortec 4300 Chevrolet	2000	1
FT1260	350 CID (5.7L) Fuel Injected Chevrolet	2000-2001	3	P30842	350 CID (5.7L) Fuel Injected Chevrolet	2000	3
FT1261	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2005	2	P30842	395 CID/6468CC (6.5L) Chevrolet Diesel	2000	5
FT1261	350 CID (5.7L) Fuel Injected Chevrolet	2002-2004	3	P31042	262 CID (4.3L) Vortec 4300 Chevrolet	2000	1
FT1460	350 CID (5.7L) Fuel Injected Chevrolet	2000-2001	3	P31042	350 CID (5.7L) Fuel Injected Chevrolet	2000	3
FT1461	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2004-2005	2	P31042	395 CID/6468CC (6.5L) Chevrolet Diesel	2000	5
FT1461	350 CID (5.7L) Fuel Injected Chevrolet	2002-2004	3	P31432	350 CID (5.7L) Fuel Injected Chevrolet	2002-2003	3
FT1461	365 CID (6.0L) Vortec 6000 Chevrolet	2004-2005	4	P31432	454 CID (7.4L) Chevrolet	2000	7
FT1600	350 CID (5.7L) Fuel Injected Chevrolet	2000-2001	3	P31432	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2002-2005	8
FT1601	294 CID (4.8L) Vortec 4800 LR4 Chevrolet	2004-2005	2	P31442	262 CID (4.3L) Vortec 4300 Chevrolet	2000	1
FT1601	350 CID (5.7L) Fuel Injected Chevrolet	2002-2004	3	P31442	350 CID (5.7L) Fuel Injected Chevrolet	2000	3
FT1601	365 CID (6.0L) Vortec 6000 Chevrolet	2004-2005	4	P31442	395 CID/6468CC (6.5L) Chevrolet Diesel	2000	5
FT1800	350 CID (5.7L) Fuel Injected Chevrolet	2000-2001	3	P31832	350 CID (5.7L) Fuel Injected Chevrolet	2002	3
FT1801	350 CID (5.7L) Fuel Injected Chevrolet	2002-2004	3	P31832	454 CID (7.4L) Chevrolet	2000	7
FT1801	365 CID (6.0L) Vortec 6000 Chevrolet	2004-2005	4	P31832	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2002-2005	8



WORKHORSE (Cont.)								
MODEL DATA (Cont.)								
Model	Engine	Years	Block	Model	Engine	Years	Block	
P31842	262 CID (4.3L) Vortec 4300 Chevrolet	2000	1	W16	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2007	8	
P31842	350 CID (5.7L) Fuel Injected Chevrolet	2000	3	W18	365 CID (6.0L) Vortec 6000 Chevrolet	2007	4	
P31842	395 CID/6468CC (6.5L) Chevrolet Diesel	2000	5	W18	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2007	8	
P31932	350 CID (5.7L) Fuel Injected Chevrolet	2002	3	W20	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2002-2007	8	
P31932	454 CID (7.4L) Chevrolet	2000	7	W22	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2002-2007	8	
P31932	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2002-2005	8	W24	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2004-2007	8	
P32032	454 CID (7.4L) Chevrolet	2000	7	W25.5	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2007	8	
P32032	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2002-2005	8	W42	294 CID (4.8L) Vortec 4800 Chevrolet	2006-2007	2	
P32132	454 CID (7.4L) Chevrolet	2000	7	W42	365 CID (6.0L) Vortec 6000 Chevrolet	2006-2007	4	
P32132	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2002-2004	8					
UFO	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet	2007	8					
W16	365 CID (6.0L) Vortec 6000 Chevrolet	2007	4					
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
1	262 CID (4.3L) Vortec 4300 Chevrolet V6 Cyl (2000-2003)				4.000in./101.6mm x 3.484in./88.5mm			1
Rod Bearing(6)	AL-5	CB-1358A	STD,10,20,30	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	TM-77	CB-1358P	STD,1,10,20,30,40	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	AL-5	CB-1794A	STD,10,20,30	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1794P-10	20,30,40	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3 4	AL-5	MS-1454A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3 4	TM-77	MS-1454P MB-2508P MB-2509P(F)	STD,1,10,20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3 4	TM-77	MS-1628P-10 MB-2508P MB-2981P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-1684P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-2215P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-4 3	AL-3	SH-1350S SH-1349 SH-1350 SH-1351	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: Except Engines Stamped With Identification Number Located On Front Of Block Starting With "T"								
Cam Bearing Set 1-4 2 3	AL-3	SH-1351S SH-1349 SH-1351 SH-1350	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0644 0.0694	2.0190/2.0210 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500
NOTE: Engines Stamped With Identification Number On Front Of Block Starting With "T"								
Balance Shaft Bearing Set Rear		SH-1798S SH-1798	STD	1.4986/1.5000	0.0011/0.0047	0.1882	1.8735/1.8745	0.8350



WORKHORSE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL								
2	294 CID (4.8L) Vortec 4800 Chevrolet V8 Cyl (2006-2007)			3.780in./96mm x 3.268in./83mm				2
	294 CID (4.8L) Vortec 4800 LR4 Chevrolet V8 Cyl (2004-2007)			3.780in./96mm x 3.268in./83mm				
Rod Bearing(8)	AL-5	CB-663A	STD,10,20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A	STD,10,20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	TM-77	MS-2199P	STD,10,20,30	2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	0.8050
3		MB-3591P		2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	1.0280
		MB-3592P(F)						
Cam Bearing Set 1-5	B-1	SH-1995S	STD	2.1650/2.1670	0.0011/0.0063	0.0890	2.3460/2.3480	0.6350
2-4		SH-1995		2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6350
3		SH-1814		2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
		SH-1816						
Rod Forging	121							
C/S Forging	12553482							
3	350 CID (5.7L) Fuel Injected Chevrolet V8 Cyl (2000-2003)			4.000in./101.6mm x 3.484in./88.5mm				3
Rod Bearing(8)	AL-5	CB-663A	STD,10,20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A	STD,10,20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4	AL-5	MS-909A-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508A		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
		MB-2509A(F)						
Main Bearing Set 1-2-3-4	TM-77	MS-909P	STD,1,2,10,20,30,40,C60	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
		MB-2509P(F)						
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1626P-10	20,30,40	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
		MB-2981P(F)						
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1683P-20		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
		MB-3060P(F)						
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1744P-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
		MB-3119P(F)						
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1	B-1	SH-290S	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-290		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-288		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
		SH-287						
Cam Bearing Set 1	AL-3	SH-1349S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
		SH-1351						
NOTE: Heavy Duty Engine								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
		SH-1352						
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
		SH-1401						
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3892671, 3916396, 3923282, 3946841							
C/S Forging	1182, 2690, 306275, 306276, 310514, 3732444, 3832442, 3912335, 3932444, 3941184, 4568749							



WORKHORSE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
3 (Cont.)	350 CID (5.7L) Fuel Injected Chevrolet V8 Cyl (2000-2003)				4.000in./101.6mm x 3.484in./88.5mm			3 (Cont.)
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
4	365 CID (6.0L) Vortec 6000 Chevrolet V8 Cyl (2004-2007)				4.000in./101.6mm x 3.622in./92mm			4
Rod Bearing(8)	AL-5	CB-663A	STD,10,20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A	STD,10,20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-2199P	STD,10,20,30					
1-2-4-5		MB-3591P		2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	0.8050
3		MB-3592P(F)		2.5588/2.5593	0.0002/0.0018	0.0957	2.7509/2.7515	1.0280
Cam Bearing Set	B-1	SH-1995S	STD					
1-5		SH-1995		2.1650/2.1670	0.0011/0.0063	0.0890	2.3460/2.3480	0.6350
2-4		SH-1814		2.1650/2.1670	0.0011/0.0063	0.0790	2.3260/2.3280	0.6350
3		SH-1816		2.1650/2.1670	0.0011/0.0063	0.0692	2.3063/2.3083	0.6350
Piston Pin Bushing(8)	C-1	223-3663	STD			0.0585		0.9350
NOTE: 2004, Requires Light Reaming								
5	395 CID/6468CC (6.5L) Chevrolet Diesel V8 Cyl (2000-2002)				4.055in./103mm x 3.819in./97mm			5
Rod Bearing(8)	TM-77	CB-1286P	STD,.026mm,.25mm,.50mm,.75mm	2.3982/2.3992	0.0014/0.0044	0.0620	2.5246/2.5256	0.9020
Main Bearing Set	TM-77	MS-2091P	STD,.026mm,.25mm,.50mm,.75mm					
1-2-4		MB-3587P		2.9495/2.9504	0.0016/0.0045	0.0955	3.1427/3.1437	0.8970
3		MB-3588P(F)		2.9495/2.9504	0.0016/0.0045	0.0955	3.1427/3.1437	1.1300
5		MB-3589P		2.9493/2.9503	0.0018/0.0047	0.0955	3.1427/3.1437	1.3910
Cam Bearing Set	AL-3	SH-1366S	STD					
1		SH-1366		2.1644/2.1663	0.0005/0.0050	0.0801	2.3270/2.3290	0.9260
2		SH-1367		2.1644/2.1663	0.0005/0.0050	0.0756	2.3180/2.3200	0.8070
3		SH-1368		2.1644/2.1663	0.0005/0.0050	0.0706	2.3080/2.3100	0.8070
4		SH-1369		2.1644/2.1663	0.0005/0.0050	0.0656	2.2980/2.3000	0.8070
5		SH-1370		2.0069/2.0089	0.0005/0.0050	0.0661	2.1410/2.1430	0.8070
Piston Pin Bushing(8)	C-1	223-3576	STD			0.0580	1.3030/1.3045	1.0010
NOTE: Requires Boring, .995" Length,1.201" Inside Diameter,1.309" Outside Diameter								
C/S Forging	14024236							
Connecting Rod	48 Lbs.Ft.							
Main Bearing	110 Lbs.Ft. (Inner Bolts)							
Main Bearing	111 Lbs.Ft. (Outer Bolts)							
6	403 CID/6599CC (6.6L) Duramax 6600 LB7 OHV General Motors Turbocharged/Intercooled Diesel V8 Cyl (2004)				4.055in./103mm x 3.898in./99mm			6
6	403 CID/6599CC (6.6L) Duramax 6600 LLY General Motors Turbocharged/Intercooled Diesel V8 Cyl (2005)				4.055in./103mm x 3.898in./99mm			6
Rod Bearing(8)	TM-77	CB-1805P	STD,.25mm,.50mm	2.4764/2.4772	0.0010/0.0034	0.0795	2.6372/2.6378	0.9340
Rod Bearing(8)	TM-77	CB-1810P-.25mm	.50mm	2.4764/2.4772	0.0010/0.0034	0.0805	2.6392/2.6398	0.9340
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-2218P	STD,.25mm,.50mm					
1-2-3-4-5		MB-3776P		3.1459/3.1466	0.0009/0.0033	0.0995	3.3464/3.3472	0.8200
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-610S								
Thrust Washer Set		TW-610S	STD					
		MB-3776W		3.5039/3.5137			4.2027/4.2125	0.1181
NOTE: Contains 3 Pieces, Positions 1 And 5, Use With Part Number MS-2218P								
Cam Bearing Set	AL-3	SH-1999S	STD					
1		SH-1999		2.3988/2.4000		0.0790	2.5590/2.5602	1.1200
2-3-4-5		SH-2006		2.3988/2.4000		0.0790	2.5590/2.5602	0.7050
Piston Pin Bushing(8)	C-1	223-3659	STD				1.4763/1.4773	1.5625
NOTE: Requires Boring, Semi-Finished								
Rod Forging	278410A							



WORKHORSE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
7	454 CID (7.4L) Chevrolet V8 Cyl (2000)			4.250in./108mm x 4.000in./101.6mm				7
Rod Bearing(8)	AL-5	CB-743A	STD,10,20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4 5	AL-5	MS-829A-10 MB-2403A MB-2404A(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5	TM-77	MS-829P MB-2403P MB-2404P(F)	STD,1,10,20,30,40	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5	TM-77	MS-1745P-10 MB-2403P MB-3120P(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1748P-10 MB-3123P MB-2404P(F)	20	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.1087 0.0937	2.9570/2.9580 2.9370/2.9380	1.0440 1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set 1 2-5 3-4	B-1	SH-616S SH-615 SH-616 SH-617	STD	1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205	0.8700 0.9900 0.9900
Rod Forging C/S Forging	3856239, 3856240, 3933174 3521, 7416, 353039, 359730, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638							
Connecting Rod Main Bearing Main Bearing	45 To 55 Lbs.Ft. 110 To 120 Lbs.Ft. (High Performance Engine) 90 To 100 Lbs.Ft. (Except High Performance)							
8	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet V8 Cyl (2002-2007)			4.252in./108mm x 4.370in./111mm				8
Rod Bearing(8)	AL-5	CB-743A	STD,10,20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4 5	AL-5	MS-2235AL MB-3774AL MB-3775AL(F)	STD,10,20	2.7482/2.7489 2.7482/2.7489	0.0010/0.0033 0.0005/0.0022	0.0937 0.0940	2.9370/2.9380 2.9373/2.9378	1.0470 1.8110
Cam Bearing Set 1 2-5 3-4	B-1	SH-616S SH-615 SH-616 SH-617	STD	1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205	0.8700 0.9900 0.9900
YUGO								
ENGINE DATA								
Engine	Years	Bore & Stroke	Block	Engine	Years	Bore & Stroke	Block	
4 CYL				4 CYL (Cont.)				
1116CC (1.1L) SOHC	1986-1989	3.150in./80mmX2.795in./71mm	1	1301CC (1.3L) 2-71	1988-1992	3.402in./86.4mmX2.204in./56mm	1	
MODEL DATA								
Model	Engine	Years	Block	Model	Engine	Years	Block	
Yugo	1116CC (1.1L) SOHC	1986-1989	1	Yugo	1301CC (1.3L) 2-71	1988-1992	1	
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	1116CC (1.1L) SOHC 4 Cyl (1986-1989) 1301CC (1.3L) 2-71 4 Cyl (1988-1992)			3.150in./80mm x 2.795in./71mm 3.402in./86.4mm x 2.204in./56mm				1
Rod Bearing(4)	AL-3	CB-1332AL	STD,10	1.7916/1.7924	0.0012/0.0033	0.0607	1.9145/1.9152	0.7560
Main Bearing Set 1-2-4-5 3	AL-3	MS-891AL MB-2485AL MB-2486AL	10	1.9994/2.0002 1.9994/2.0002	0.0018/0.0037 0.0018/0.0037	0.0721 0.0721	2.1459/2.1464 2.1459/2.1464	0.7970 0.8960



BARR MARINE											
ENGINE DATA											
Engine		Bore & Stroke		Block		Engine		Bore & Stroke		Block	
		8 CYL						8 CYL (Cont.)			
455 Oldsmobile 455 CID (7.5L)		4.125in./104.8mmX4.250in./108mm		2		L80 Oldsmobile 403 CID (6.6L)		4.351in./110.5mmX3.385in./86mm		1	
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
0997	3.385in./86mm	1	380283	3.385in./86mm	1	384759	4.250in./108mm	2	410997	3.385in./86mm	1
380282	3.385in./86mm	1	380383	3.385in./86mm	1	398410	3.385in./86mm	1			
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
230276	3.385in./86mm	1	230908	4.250in./108mm	2	397303	4.250in./108mm	2	418882	3.385in./86mm	1
230331	4.250in./108mm	2	381269	3.385in./86mm	1	397363	4.250in./108mm	2	556607	3.385in./86mm	1
230376	3.385in./86mm	1	381919	3.385in./86mm	1	398261	3.385in./86mm	1	1235419	3.385in./86mm	1
230377	4.250in./108mm	2	388766	3.385in./86mm	1	398621	3.385in./86mm	1	1375802	3.385in./86mm	1
230378	4.250in./108mm	2	390275	3.385in./86mm	1	400934	4.250in./108mm	2	1398346	3.385in./86mm	1
230905	3.385in./86mm	1	393654	3.385in./86mm	1	403707	4.250in./108mm	2			
230907	4.250in./108mm	2	395654	3.385in./86mm	1	405954	4.250in./108mm	2			
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL											
1	403 CID (6.6L) L80 Oldsmobile V8 Cyl (1977-1979)								4.351in./110.5mm x 3.385in./86mm		1
Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40			2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310	
Main Bearing Set	TM-77	MS-805P	STD,1,10,20,30								
1		MB-2365P				2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800	
2-4		MB-2251P				2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800	
3		MB-2252P(F)				2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	1.1950	
5		MB-2253P				2.4985/2.4995	0.0014/0.0044	0.0932	2.6870/2.6880	1.6290	
Cam Bearing Set	AL-3	SH-1355S	STD								
1		SH-1359				2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980	
2		SH-1355				2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980	
3		SH-1356				1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980	
4		SH-1357				1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980	
5		SH-1358				1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980	
Rod Forging	0997, 380282, 380283, 380383, 398410, 410997										
C/S Forging	230276, 230376, 230905, 381269, 381919, 388766, 390275, 393654, 395654, 398261, 398621, 418882, 556607, 1235419, 1375802, 1398346										
Connecting Rod	42 Lbs.Ft.										
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)										
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)										
2	455 CID (7.5L) 455 Oldsmobile V8 Cyl (1968-1976)								4.125in./104.8mm x 4.250in./108mm		2
Rod Bearing(8)	TM-77	CB-542P	STD,1,10,20,30,40			2.4988/2.4998	0.0007/0.0032	0.0620	2.6245/2.6250	0.8310	
Main Bearing Set	TM-77	MS-804P	STD,10,20,30								
1		MB-2362P				2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9800	
2-4		MB-2163P				2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9790	
3		MB-2363P(F)				2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	1.1950	
5		MB-2364P				2.9993/3.0003	0.0016/0.0049	0.0932	3.1880/3.1890	1.6290	
Cam Bearing Set	AL-3	SH-1354S	STD								
1		SH-1354				2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980	
2		SH-1355				2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980	
3		SH-1356				1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980	
4		SH-1357				1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980	
5		SH-1358				1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980	
Rod Forging	384759										
C/S Forging	230331, 230377, 230378, 230907, 230908, 397303, 397363, 400934, 403707, 405954										
Connecting Rod	32 To 42 Lbs.Ft.										
Main Bearing	90 To 120 Lbs.Ft.										



BERKELEY PACKAJET												
ENGINE DATA												
Engine 350 Oldsmobile 350 CID (5.7L)			Bore & Stroke 4.057in./103mmX3.385in./86mm			Block 1	Engine 455 Oldsmobile 455 CID (7.5L)			Bore & Stroke 4.125in./104.8mmX4.250in./108mm		Block 2
CONNECTING ROD FORGING NUMBERS												
Forging No. 384759		Stroke 4.250in./108mm	Block 2									
CRANKSHAFT FORGING NUMBERS												
Forging No.		Stroke	Block	Forging No.		Stroke	Block	Forging No.		Stroke	Block	
230331		4.250in./108mm	2	230907		4.250in./108mm	2	397363		4.250in./108mm	2	
230377		4.250in./108mm	2	230908		4.250in./108mm	2	400934		4.250in./108mm	2	
230378		4.250in./108mm	2	397303		4.250in./108mm	2	403707		4.250in./108mm	2	
COUNTER DATA						SHOP DATA						
Bearing or Position		Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter		Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL												
1	350 CID (5.7L) 350 Oldsmobile V8 Cyl (1968-1980)						4.057in./103mm x 3.385in./86mm				1	
Rod Bearing(8)		TM-77	CB-684P	STD,1,10,20,30,40		2.1238/2.1248		0.0014/0.0039	0.0619	2.2495/2.2500	0.8310	
Main Bearing Set		TM-77	MS-805P	STD,1,10,20,30								
1			MB-2365P			2.4985/2.4995		0.0006/0.0036	0.0936	2.6870/2.6880	0.9800	
2-4			MB-2251P			2.4985/2.4995		0.0006/0.0036	0.0936	2.6870/2.6880	0.9800	
3			MB-2252P(F)			2.4985/2.4995		0.0006/0.0036	0.0936	2.6870/2.6880	1.1950	
5			MB-2253P			2.4985/2.4995		0.0014/0.0044	0.0932	2.6870/2.6880	1.6290	
Cam Bearing Set		AL-3	SH-1354S	STD								
1			SH-1354			2.0357/2.0365		0.0020/0.0060	0.0648	2.1680/2.1695	0.6980	
2			SH-1355			2.0157/2.0165		0.0020/0.0060	0.0648	2.1480/2.1495	0.6980	
3			SH-1356			1.9957/1.9965		0.0020/0.0060	0.0648	2.1280/2.1295	0.6980	
4			SH-1357			1.9757/1.9765		0.0020/0.0060	0.0648	2.1080/2.1095	0.6980	
5			SH-1358			1.9557/1.9565		0.0020/0.0060	0.0648	2.0880/2.0895	0.6980	
NOTE: 1968-1976												
Cam Bearing Set		AL-3	SH-1355S	STD								
1			SH-1359			2.0357/2.0365		0.0020/0.0060	0.0648	2.1680/2.1695	0.6980	
2			SH-1355			2.0157/2.0165		0.0020/0.0060	0.0648	2.1480/2.1495	0.6980	
3			SH-1356			1.9957/1.9965		0.0020/0.0060	0.0648	2.1280/2.1295	0.6980	
4			SH-1357			1.9757/1.9765		0.0020/0.0060	0.0648	2.1080/2.1095	0.6980	
5			SH-1358			1.9557/1.9565		0.0020/0.0060	0.0648	2.0880/2.0895	0.6980	
NOTE: 1977-1980												
Connecting Rod		42 Lbs.Ft.										
Main Bearing		120 Lbs.Ft. (Rear Bearing Cap)										
Main Bearing		80 Lbs.Ft. (Except Rear Bearing Cap)										
2	455 CID (7.5L) 455 Oldsmobile V8 Cyl (1968-1976)						4.125in./104.8mm x 4.250in./108mm				2	
Rod Bearing(8)		TM-77	CB-542P	STD,1,10,20,30,40		2.4988/2.4998		0.0007/0.0032	0.0620	2.6245/2.6250	0.8310	
Main Bearing Set		TM-77	MS-804P	STD,10,20,30								
1			MB-2362P			2.9993/3.0003		0.0008/0.0038	0.0936	3.1880/3.1890	0.9800	
2-4			MB-2163P			2.9993/3.0003		0.0008/0.0038	0.0936	3.1880/3.1890	0.9790	
3			MB-2363P(F)			2.9993/3.0003		0.0008/0.0038	0.0936	3.1880/3.1890	1.1950	
5			MB-2364P			2.9993/3.0003		0.0016/0.0049	0.0932	3.1880/3.1890	1.6290	
Cam Bearing Set		AL-3	SH-1354S	STD								
1			SH-1354			2.0357/2.0365		0.0020/0.0060	0.0648	2.1680/2.1695	0.6980	
2			SH-1355			2.0157/2.0165		0.0020/0.0060	0.0648	2.1480/2.1495	0.6980	
3			SH-1356			1.9957/1.9965		0.0020/0.0060	0.0648	2.1280/2.1295	0.6980	
4			SH-1357			1.9757/1.9765		0.0020/0.0060	0.0648	2.1080/2.1095	0.6980	
5			SH-1358			1.9557/1.9565		0.0020/0.0060	0.0648	2.0880/2.0895	0.6980	
Rod Forging		384759										
C/S Forging		230331, 230377, 230378, 230907, 230908, 397303, 397363, 400934, 403707, 405954										
Connecting Rod		32 To 42 Lbs.Ft.										
Main Bearing		90 To 120 Lbs.Ft.										



CATERPILLAR											
ENGINE DATA											
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block				
6 CYL				8 CYL							
3406B 893 CID (14.6L) Diesel Turbocharged	5.400in./137.2mmX6.500in./165.1mm		1	3408TA 1099 CID (18.0L) Diesel Turbocharged/Aftercooled	5.400in./137.2mmX6.000in./152.4mm		4				
3406T 893 CID (14.6L) Diesel Turbocharged	5.400in./137.2mmX6.500in./165.1mm		2	12 CYL							
D342C 1246 CID (20.4L) Diesel	5.750in./146.1mmX8.000in./203.2mm		3	3412T 1649 CID/27043CC (27.0L) Diesel Turbocharged	5.400in./137.2mmX6.000in./152.4mm		5				
D11000 1246 CID (20.4L) Diesel	5.750in./146.1mmX8.000in./203.2mm		3								
D13000 1246 CID (20.4L) Diesel	5.750in./146.1mmX8.000in./203.2mm		3								
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block						
4N-389	6.000in./152.4mm	4	7B-6225	8.000in./203.2mm	3						
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1W-5008	6.000in./152.4mm	4	3B-7937	8.000in./203.2mm	3	4N-0008	6.000in./152.4mm	4	7N-3408	6.000in./152.4mm	4
1W-6208	6.000in./152.4mm	4	3B-9511	8.000in./203.2mm	3	6F-1913	8.000in./203.2mm	3	8H-5320	8.000in./203.2mm	3
1W-6209	6.000in./152.4mm	4	4F-8511	8.000in./203.2mm	3	7B-7937	8.000in./203.2mm	3			
2B-6488	8.000in./203.2mm	3	4H-7032	8.000in./203.2mm	3	7B-9511	8.000in./203.2mm	3			
3B-7934	8.000in./203.2mm	3	4M-447	8.000in./203.2mm	3	7B-9620	8.000in./203.2mm	3			
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore		Max Length
6 CYL											
1	893 CID (14.6L) 3406B Turbocharged Diesel 6 Cyl						5.400in./137.2mm x 6.500in./165.1mm				1
Rod Bearing(6)	TM-112	CB-1262AL	STD,10,25,50			3.8189/3.8197	0.0030/0.0060	0.1258	4.0743/4.0753		1.5350
NOTE: From Engine Serial Number 92U2954,Locking Lug on Left Hand Side,1.535" Bearing Length											
Rod Bearing(6)	TM-112	CB-1372P	STD			3.8195/3.8205	0.0032/0.0064	0.1253	4.0743/4.0753		1.3850
NOTE: Thru Engine Serial No. 92U2954,Locking Lug on Right Hand Side,1.385" Bearing Length											
Rod Bearing(6)	TM-112	CB-1622P	STD,25,50			3.5425/3.5441	0.0024/0.0063	0.1201	3.7868/3.7882		1.9300
NOTE: Engines With P.E.E.C.											
Main Bearing(7)	TM-112	MB-2848AL	STD,10,25,50			4.7492/4.7508	0.0022/0.0060	0.1803	5.1133/5.1143		1.6450
NOTE: 1.645" Bearing Length,From Engine Serial Number 90U441,From Engine Serial Number 92U2954, Only Sold Separately, Use With Part Number TW-583S											
Thrust Washer Set		TW-583S MB-3448W	STD			5.2600/5.3000			6.2300/6.2700		0.2270
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MB-2848AL											
Cam Bearing Set	AL-3	SH-1487S	STD								
1		SH-1488				2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257		1.3100
2-3-4-5-6-7		SH-1487				2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257		1.0100
Piston Pin Bushing(6)	C-1	223-3577	STD					0.1060	2.1855/2.1860		1.8850
NOTE: 6 Degree Narrow Tapered Connecting Rod, Requires Boring											
Piston Pin Bushing(6)	C-1	223-3585	STD					0.1100	2.1845/2.1850		1.5600
NOTE: Straight Connecting Rod, Requires Boring											
Piston Pin Bushing(6)	C-1	223-3586	STD					0.1060	2.1855/2.1860		1.8850
NOTE: 9 Degree, Wide Tapered Connecting Rod, Requires Boring											
Connecting Rod Main Bearing	60 Lbs.Ft. Plus 120 Degrees 190 Lbs.Ft. Plus 120 Degrees										
2	893 CID (14.6L) 3406T Turbocharged Diesel 6 Cyl						5.400in./137.2mm x 6.500in./165.1mm				2
Rod Bearing(6)	TM-112	CB-1262AL	STD,10,25,50			3.8189/3.8197	0.0030/0.0060	0.1258	4.0743/4.0753		1.5350
NOTE: From Engine Serial Number 92U2954,Locking Lug on Left Hand Side,1.535" Bearing Length											
Rod Bearing(6)	TM-112	CB-1372P	STD			3.8195/3.8205	0.0032/0.0064	0.1253	4.0743/4.0753		1.3850
NOTE: Thru Engine Serial No. 92U2954,Locking Lug on Right Hand Side,1.385" Bearing Length											



CATERPILLAR (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
2 (Cont.)	893 CID (14.6L) 3406T Turbocharged Diesel 6 Cyl			5.400in./137.2mm x 6.500in./165.1mm				2 (Cont.)
Main Bearing(7)	TM-112	MB-2848AL	STD,10,25,50	4.7492/4.7508	0.0022/0.0060	0.1803	5.1133/5.1143	1.6450
NOTE: 1.645" Bearing Length,From Engine Serial Number 90U441,From Engine Serial Number 92U2954, Only Sold Separately, Use With Part Number TW-583S								
Thrust Washer Set		TW-583S MB-3448W	STD	5.2600/5.3000			6.2300/6.2700	0.2270
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MB-2848AL								
Cam Bearing Set 1	AL-3	SH-1487S SH-1488 SH-1487	STD	2.7512/2.7522 2.7512/2.7522	0.0005/0.0057 0.0005/0.0057	0.1360 0.1360	3.0243/3.0257 3.0243/3.0257	1.3100 1.0100
2-3-4-5-6-7								
Piston Pin Bushing(6)	C-1	223-3577	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 6 Degree Narrow Tapered Connecting Rod, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3585	STD			0.1100	2.1845/2.1850	1.5600
NOTE: Straight Connecting Rod, Requires Boring								
Piston Pin Bushing(6)	C-1	223-3586	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 9 Degree, Wide Tapered Connecting Rod, Requires Boring								
Connecting Rod	60 Lbs.Ft. Plus 120 Degrees							
Main Bearing	190 Lbs.Ft. Plus 120 Degrees							
3	1246 CID (20.4L) D11000,D13000,D342C Diesel 6 Cyl			5.750in./146.1mm x 8.000in./203.2mm				3
Rod Bearing(6)	TM-112	CB-817AL	STD,10,25,50,75	3.6240/3.6250	0.0036/0.0066	0.1692	3.9665/3.9675	2.5670
NOTE: Replaces 2.572" Length Bearing,Replaces 2.659" Length Bearing, 2.567" Length								
Rod Bearing(6)	TM-112	CB-964AL	STD,10,25,50	3.6240/3.6250	0.0036/0.0066	0.1692	3.9665/3.9675	2.0000
NOTE: 2.000" Length								
Main Bearing Set 1-2-3-5-6-7	TM-112	MS-1048AL MB-2585AL MB-2586AL(F)	STD,25	4.2600/4.2610 4.2600/4.2610	0.0033/0.0063 0.0033/0.0063	0.1800 0.1800	4.6240/4.6250 4.6240/4.6250	1.7800 3.8590
NOTE: 4.6240/4.6250" Housing Bore,Engines With .172" Wall Bearings, Contains Flanged Bearing								
Piston Pin Bushing(6)	C-1	223-3580	STD			0.1340	2.6155/2.6160	2.0720
NOTE: Requires Boring								
Rod Forging	7B-6225							
C/S Forging	4M-447, 2B-6488, 3B-7934, 3B-7937, 3B-9511, 4F-8511, 4H-7032, 6F-1913, 7B-7937, 7B-9511, 7B-9620, 8H-5320							
Connecting Rod	123 To 127 Lbs.Ft.							
Main Bearing	350 Lbs.Ft. (7/8" Bolts)							
Main Bearing	58 Lbs.Ft. (5/8" Bolts)							
8 CYL								
4	1099 CID (18.0L) 3408TA Turbocharged/Aftercooled Diesel V8 Cyl			5.400in./137.2mm x 6.000in./152.4mm				4
Rod Bearing(8)	TM-112	CB-1262AL	STD,10,25,50	3.8189/3.8197	0.0030/0.0060	0.1258	4.0743/4.0753	1.5350
NOTE: Locking Lug on Left Hand Side								
Main Bearing(5)	TM-112	MB-2848AL	STD,10,25,50	4.7492/4.7508	0.0022/0.0060	0.1803	5.1133/5.1143	1.6450
NOTE: Engs. With 1.645" Lgth Bearing, Only Sold Separately								
Thrust Washer Set		TW-583S MB-3448W	STD	5.2600/5.3000			6.2300/6.2700	0.2270
NOTE: Contains 2 Pieces, Position Number 3, Use With Part Number MB-2848AL								
Cam Bearing(3)	AL-3	SH-1487	STD	2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.0100
NOTE: Only Sold Separately, Positions 2,3, And 4								
Cam Bearing(2)	AL-3	SH-1488	STD	2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.3100
NOTE: Only Sold Separately, Positions 1 And 5								
Piston Pin Bushing(8)	C-1	223-3577	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 6 Degree Narrow Tapered Connecting Rod,Reqs. 4.405" Lgth. Piston Pin, Requires Boring								
Piston Pin Bushing(8)	C-1	223-3585	STD			0.1100	2.1845/2.1850	1.5600
NOTE: Straight Connecting Rod,Reqs. 4.405" Lgth. Piston Pin. Requires Boring								



CATERPILLAR (Cont.)

COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
4 (Cont.)	1099 CID (18.0L) 3408TA Turbocharged/Aftercooled Diesel V8 Cyl				5.400in./137.2mm x 6.000in./152.4mm			4 (Cont.)
Piston Pin Bushing(8)	C-1	223-3586	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 9 Degree, Wide Tapered Connecting Rod, Requires Boring								
Rod Forging	4N-389							
C/S Forging	1W-5008, 1W-6208, 1W-6209, 4N-0008, 7N-3408							
Connecting Rod	60 Lbs.Ft. Plus 120 Degrees							
Main Bearing	190 Lbs.Ft. Plus 120 Degrees							
12 CYL								
5	1649 CID/27043CC (27.0L) 3412T Turbocharged Diesel V12 Cyl				5.400in./137.2mm x 6.000in./152.4mm			5
Rod Bearing(12)	TM-112	CB-1262AL	STD,10,25,50	3.8189/3.8197	0.0030/0.0060	0.1258	4.0743/4.0753	1.5350
NOTE: Locking Lug on Left Hand Side								
Main Bearing(7)	TM-112	MB-2848AL	STD,10,25,50	4.7492/4.7508	0.0022/0.0060	0.1803	5.1133/5.1143	1.6450
NOTE: 1.645" Bearing Length, Only Sold Separately								
Thrust Washer Set		TW-583S MB-3448W	STD	5.2600/5.3000			6.2300/6.2700	0.2270
NOTE: Contains 2 Pieces, Position Number 4, Use With Part Number MB-2848AL								
Cam Bearing(5)	AL-3	SH-1487	STD	2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.0100
NOTE: Only Sold Separately, Positions 2,3,4,5, And 6								
Cam Bearing(2)	AL-3	SH-1488	STD	2.7512/2.7522	0.0005/0.0057	0.1360	3.0243/3.0257	1.3100
NOTE: Only Sold Separately, Positions 1 And 7								
Piston Pin Bushing(12)	C-1	223-3577	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 6 Degree Narrow Tapered Connecting Rod, Requires Boring								
Piston Pin Bushing(12)	C-1	223-3585	STD			0.1100	2.1845/2.1850	1.5600
NOTE: Straight Connecting Rod, Requires Boring, 1.550" Length,2.001" Inside Diameter								
Piston Pin Bushing(12)	C-1	223-3586	STD			0.1060	2.1855/2.1860	1.8850
NOTE: 9 Degree, Wide Tapered Connecting Rod, Requires Boring,Tapered Bushing, 1.875" Length,1.985" Inside Diameter								
Connecting Rod	60 Lbs.Ft. Plus 120 Degrees							
Main Bearing	190 Lbs.Ft. Plus 120 Degrees							

CHRIS CRAFT

ENGINE DATA					
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL			8 CYL (Cont.)		
181FL Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	1	283FL Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	5
181FLV Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	1	283FLV Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	5
6 CYL			283H Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	5
4.3 Litre Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	4	283HL Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	5
185MR Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	4	283L Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	5
205 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	4	283M Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	5
225B Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	2	283ML Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	5
225BVC Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	2	302FLV Chevrolet 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	6
262 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	4	305GLV Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	7
262 King Cobra Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	4	305K Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	7
MCM175 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	4	305KC Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	7
MCM185 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	4	305KCL Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	7
MCM205 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	4	305KL Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	7
QXD Hercules 230 CID (3.8L)	3.438in./87.33mmX4.125in./104.8mm	3	307G Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7
QXLD Hercules 237 CID (3.9L)	3.438in./87.33mmX4.250in./108mm	3	307GB Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7
8 CYL			307GC Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7
283 Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	5	307GCB Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7
283F Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	5	307GCL Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7
			307GCLV Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7
			307GL Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7
			307GLV Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7



CHRIS CRAFT (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
8 CYL (Cont.)			8 CYL (Cont.)		
307K Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	327QLV Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	7
307KB Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350FLV Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
307KC Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350G Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
307KCB Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350GB Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
307KCL Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350GL Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
307KL Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350GLV Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
307Q Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350K Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
307QA Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350KL Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
307QAL Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350Q Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
307QB Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350QAL Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.438in./87.33mm	7
307QL Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350QB Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
307QLV Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	7	350QL Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
327F Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	7	350QLV Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	7
327FL Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	7	454 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	9
327Q Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	7	454B Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	9
327QA Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	7	454L Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	9
327QAL Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	7	OHV Ford 427 CID (7.0L)	4.233in./107.5mmX3.781in./96mm	8
327QL Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	7			

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
201	3.400in./86.4mm	2	3703526	3.000in./76.2mm	5	3815281	3.000in./76.2mm	5	3923282	3.484in./88.5mm	7
220	3.400in./86.4mm	2	3703526	3.250in./82.6mm	7	3815281	3.250in./82.6mm	7	3923282	3.438in./87.33mm	7
673	3.400in./86.4mm	2	3703526	3.000in./76.2mm	6	3815281	3.000in./76.2mm	6	3933174	4.000in./101.6mm	9
763	3.400in./86.4mm	2	3703527	3.000in./76.2mm	5	3856239	4.000in./101.6mm	9	3946841	3.484in./88.5mm	7
779	3.400in./86.4mm	2	3703527	3.250in./82.6mm	7	3856240	4.000in./101.6mm	9	3946841	3.438in./87.33mm	7
1357201	3.400in./86.4mm	2	3703527	3.000in./76.2mm	6	3892671	3.484in./88.5mm	7	25509405	3.400in./86.4mm	2
1357333	3.400in./86.4mm	2	3784000	3.000in./76.2mm	5	3892671	3.438in./87.33mm	7			
137248	3.400in./86.4mm	2	3784000	3.250in./82.6mm	7	3916396	3.484in./88.5mm	7			
3185281	3.250in./82.6mm	7	3784000	3.000in./76.2mm	6	3916396	3.438in./87.33mm	7			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1130	3.250in./82.6mm	7	220825E	4.250in./108mm	3	3729449	3.000in./76.2mm	6	3912335	3.438in./87.33mm	7
1178	3.000in./76.2mm	5	230277	3.400in./86.4mm	2	3732444	3.484in./88.5mm	7	3914681	3.250in./82.6mm	7
1178	3.250in./82.6mm	7	230278	3.400in./86.4mm	2	3732444	3.438in./87.33mm	7	3914682	3.250in./82.6mm	7
1178	3.000in./76.2mm	6	230378	3.400in./86.4mm	2	3734627	3.000in./76.2mm	5	3923278	3.000in./76.2mm	6
1182	3.484in./88.5mm	7	306275	3.484in./88.5mm	7	3734627	3.000in./76.2mm	6	3930809	3.250in./82.6mm	7
1182	3.438in./87.33mm	7	306275	3.438in./87.33mm	7	3735236	3.000in./76.2mm	5	3932444	3.484in./88.5mm	7
1182	3.250in./82.6mm	7	306276	3.484in./88.5mm	7	3735236	3.000in./76.2mm	6	3932444	3.438in./87.33mm	7
2680	3.250in./82.6mm	7	306276	3.438in./87.33mm	7	3782680	3.250in./82.6mm	7	3941172	3.250in./82.6mm	7
2690	3.484in./88.5mm	7	310514	3.484in./88.5mm	7	3782690	3.250in./82.6mm	7	3941174	3.250in./82.6mm	7
2690	3.438in./87.33mm	7	310514	3.438in./87.33mm	7	3815822	3.250in./82.6mm	7	3941176	3.000in./76.2mm	6
3279	3.000in./76.2mm	5	353039	4.000in./101.6mm	9	3832442	3.484in./88.5mm	7	3941184	3.484in./88.5mm	7
3279	3.250in./82.6mm	7	359730	4.000in./101.6mm	9	3832442	3.438in./87.33mm	7	3941184	3.438in./87.33mm	7
3279	3.000in./76.2mm	6	378354	3.400in./86.4mm	2	3835236TG	3.000in./76.2mm	5	3962523	4.000in./101.6mm	9
3521	4.000in./101.6mm	9	391101A	3.250in./82.6mm	7	3835236TG	3.000in./76.2mm	6	3963523	4.000in./101.6mm	9
3690	3.484in./88.5mm	7	1254083	3.400in./86.4mm	2	3836236	3.000in./76.2mm	5	3963524	4.000in./101.6mm	9
4577	3.250in./82.6mm	7	1255645	3.400in./86.4mm	2	3836236	3.000in./76.2mm	6	3967463	4.000in./101.6mm	9
4672	3.250in./82.6mm	7	1255646	3.400in./86.4mm	2	3836266	3.000in./76.2mm	5	3975945	4.000in./101.6mm	9
6764	3.000in./76.2mm	5	1255674	3.400in./86.4mm	2	3836266	3.000in./76.2mm	6	4568749	3.484in./88.5mm	7
6764	3.000in./76.2mm	6	1255846	3.400in./86.4mm	2	3837266	3.000in./76.2mm	5	4568749	3.438in./87.33mm	7
7416	4.000in./101.6mm	9	1255862	3.400in./86.4mm	2	3837266	3.000in./76.2mm	6	5782680	3.250in./82.6mm	7
41026	4.125in./104.8mm	3	1257125	3.400in./86.4mm	2	3838266	3.000in./76.2mm	5	25505554	3.400in./86.4mm	2
41026B	4.125in./104.8mm	3	1260877	3.400in./86.4mm	2	3838266	3.000in./76.2mm	6	25506397	3.400in./86.4mm	2
46827E	4.125in./104.8mm	3	1261438	3.400in./86.4mm	2	3849847	3.000in./76.2mm	5	25506818	3.400in./86.4mm	2
46828B	4.125in./104.8mm	3	1261787	3.400in./86.4mm	2	3849847	3.000in./76.2mm	6	25509404	3.400in./86.4mm	2
46828E	4.125in./104.8mm	3	1357898	3.400in./86.4mm	2	3876764	3.000in./76.2mm	5	25514290	3.400in./86.4mm	2
46829B	4.125in./104.8mm	3	1378351	3.400in./86.4mm	2	3876764	3.000in./76.2mm	6	25520329	3.400in./86.4mm	2
46829E	4.125in./104.8mm	3	1378354	3.400in./86.4mm	2	3876768	3.000in./76.2mm	5	N140966	3.600in./91.4mm	1
46831E	4.125in./104.8mm	3	3727449	3.000in./76.2mm	5	3876768	3.000in./76.2mm	6	N353039	4.000in./101.6mm	9
46839E	4.250in./108mm	3	3727449	3.000in./76.2mm	6	3911000	3.250in./82.6mm	7	N853039	4.000in./101.6mm	9
47830D	4.125in./104.8mm	3	3727499	3.000in./76.2mm	5	3911001	3.250in./82.6mm	7	N853638	4.000in./101.6mm	9
49525B	4.250in./108mm	3	3727499	3.000in./76.2mm	6	3911011	3.250in./82.6mm	7	N3941352	3.600in./91.4mm	1
49528E	4.250in./108mm	3	3729449	3.000in./76.2mm	5	3912335	3.484in./88.5mm	7			



CHRIS CRAFT (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	181 CID (3.0L) 181FL,181FLV Chevrolet 4 Cyl				4.000in./101.6mm x 3.600in./91.4mm			1
Rod Bearing(4)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(4)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(4)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(4)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4	TM-77	MS-1733P	STD,1,10,20,30,40	2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
5		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
		MB-2588P(F)						
Cam Bearing Set 1-2-3	AL-3	SH-1030S	STD,10	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
		SH-400						
C/S Forging N140966, N3941352								
6 CYL								
2	225 CID (3.7L) 225B,225BVC Buick V6 Cyl				3.750in./95.3mm x 3.400in./86.4mm			2
Rod Bearing(6)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set 1-3	TM-77	MS-960P	STD,1,10,20,30	2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0580
4		MB-2434P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
		MB-2491P						
Main Bearing Set 1-3	TM-77	MS-1688P-10	20	2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0780
4		MB-3063P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
		MB-2491P						
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-3	TM-77	MS-1747P-10	20,30	2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0680
4		MB-3125P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
		MB-2491P						
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1	B-1	SH-506S	STD	1.7550/1.7560	0.0010/0.0060	0.0643	1.8855/1.8875	0.7600
2		SH-506		1.7250/1.7260	0.0010/0.0060	0.0643	1.8555/1.8575	0.7600
3		SH-363		1.6950/1.6960	0.0010/0.0060	0.0643	1.8255/1.8275	0.7600
4		SH-364		1.6650/1.6660	0.0010/0.0060	0.0643	1.7955/1.7975	0.7600
		SH-365						
Rod Forging 201, 220, 673, 763, 779, 1357201, 1357333, 1377248, 25509405								
C/S Forging 230277, 230278, 230378, 378354, 1254083, 1255645, 1255646, 1255674, 1255846, 1255862, 1257125, 1260877, 1261438, 1261787, 1357898, 1378351, 1378354, 25505554, 25506397, 25506818, 25509404, 25514290, 25520329								
Connecting Rod	30 To 40 Lbs.Ft.							
Main Bearing	65 To 70 Lbs.Ft. (Thru 1964)							
Main Bearing	95 To 120 Lbs.Ft. (From 1965)							
3	230 CID (3.8L) QXD Hercules 6 Cyl				3.438in./87.33mm x 4.125in./104.8mm			3
	237 CID (3.9L) QXLD Hercules 6 Cyl				3.438in./87.33mm x 4.250in./108mm			
Rod Bearing(6)	TM-112	CB-341P	STD,10,20	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.0280
Cam Bearing Set 1-4	B-1	SH-322S	STD	1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	1.0340
2-3		SH-322		1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	0.5650
		SH-323						
C/S Forging 41026, 41026B, 46827E, 46828B, 46828E, 46829B, 46829E, 46831E, 46839E, 47830D, 49525B, 49528E, 220825E								
Connecting Rod	53 To 56 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
4	262 CID (4.3L) 185MR,205,262,262 King Cobra,4.3 Litre,MCM175,MCM185, MCM205 Chevrolet V6 Cyl				4.000in./101.6mm x 3.484in./88.5mm			4
Rod Bearing(6)	AL-5	CB-1358A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	TM-77	CB-1358P	STD,1,10,20,30,40	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	AL-5	CB-1794A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1794P-10	20,30,40	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								



CHRIS CRAFT (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
4 (Cont.)	262 CID (4.3L) 185MR,205,262,262 King Cobra,4.3 Litre,MCM175,MCM185, MCM205 Chevrolet V6 Cyl			4.000in./101.6mm x 3.484in./88.5mm				4 (Cont.)
Main Bearing Set 1-2-3 4	AL-5	MS-1454A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3 4	TM-77	MS-1454P MB-2508P MB-2509P(F)	STD,1,10,20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3 4	TM-77	MS-1628P-10 MB-2508P MB-2981P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-1684P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-2215P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-4 3	AL-3	SH-1350S SH-1349 SH-1350 SH-1351	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: Except Engines Stamped With Identification Number Located On Front Of Block Starting With "T"								
Cam Bearing Set 1-4 2 3	AL-3	SH-1351S SH-1349 SH-1351 SH-1350	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0644 0.0694	2.0190/2.0210 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500
NOTE: Engines Stamped With Identification Number On Front Of Block Starting With "T"								
Connecting Rod Main Bearing	45 Lbs.Ft. 70 Lbs.Ft.							
8 CYL								
5	283 CID (4.6L) 283,283F,283FL,283FLV,283H,283HL,283L,283M,283ML Chevrolet V8 Cyl			3.875in./98.4mm x 3.000in./76.2mm				5
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set 1-2-3-4 5	TM-77	MS-429P MB-3135P MB-1769P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2978/2.2988	0.0003/0.0033 0.0011/0.0041	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
Cam Bearing Set 1 2 3-4 5	B-1	SH-287S SH-290 SH-288 SH-287 SH-289	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644 0.0694	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500 0.9500
NOTE: Thru 1963								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: From 1964								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: From 1964,Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: From 1964,Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3703526, 3703527, 3784000, 3815281 1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3835236TG							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft. (2.298" Diameter Main Bearing Journals)							



CHRIS CRAFT (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
6	302 CID (5.0L) 302FLV Chevrolet V8 Cyl				4.000in./101.6mm x 3.000in./76.2mm			6
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal								
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal								
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
NOTE: 2.000" Diameter Crankshaft Rod Journal								
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-429P	STD,1,10,20,30,40	2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
1-2-3-4		MB-3135P		2.2978/2.2988	0.0011/0.0041	0.0955	2.4906/2.4916	1.7180
5		MB-1769P(F)						
NOTE: 2.298" Diameter Main Bearing Journals								
Main Bearing Set	AL-5	MS-909A-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3-4		MB-2508A		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
5		MB-2509A(F)						
NOTE: 2.448" Diameter Main Bearing Journals								
Main Bearing Set	TM-77	MS-909P	STD,1,2,10,20,30,40,C60	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3-4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
5		MB-2509P(F)						
NOTE: 2.448" Diameter Main Bearing Journals, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1626P-10	20,30,40	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3-4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
5		MB-2981P(F)						
NOTE: 2.448" Diameter Main Bearing Journals, Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1683P-20		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3-4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
5		MB-3060P(F)						
NOTE: 2.448" Diameter Main Bearing Journals, Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1744P-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
1-2-3-4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
5		MB-3119P(F)						
NOTE: 2.448" Diameter Main Bearing Journals, Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-290S	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
2-5		SH-288		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
3-4		SH-287						
NOTE: From 1964								
Cam Bearing Set	AL-3	SH-1349S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
2-5		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
3-4		SH-1351						
NOTE: From 1964,Heavy Duty Engine								
Cam Bearing Set	AL-3	SH-1352S	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
1-2-3-4-5		SH-1352						
NOTE: From 1964,Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set	AL-3	SH-1401S	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
1-2-3-4-5		SH-1401						
NOTE: From 1964,Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3703526, 3703527, 3784000, 3815281							
C/S Forging	1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3923278, 3941176, 3835236TG							



CHRIS CRAFT (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
6 (Cont.)	302 CID (5.0L) 302FLV Chevrolet V8 Cyl				4.000in./101.6mm x 3.000in./76.2mm			6 (Cont.)
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft. (2.448" Diameter Main Bearing Journals)							
Main Bearing	80 Lbs.Ft. (2.298" Diameter Main Bearing Journals)							
7	305 CID (5.0L) 305GLV,305K,305KC,305KCL,305KL Chevrolet V8 Cyl				3.736in./95mm x 3.484in./88.5mm			7
	307 CID (5.0L) 307G,307GB,307GC,307GCB,307GCL,307GCLV,307GL,307GLV,307K,307KB,307KC,307KCB,307KCL,307KL,307Q,307QA,307QAL,307QB,307QL,307QLV Chevrolet V8 Cyl				3.875in./98.4mm x 3.250in./82.6mm			
	327 CID (5.4L) 327F,327FL,327Q,327QA,327QAL,327QL,327QLV Chevrolet V8 Cyl				4.000in./101.6mm x 3.250in./82.6mm			
	350 CID (5.7L) 350FLV,350G,350GB,350GL,350GLV,350K,350KL,350Q,350QB,350QL,350QLV Chevrolet V8 Cyl				4.000in./101.6mm x 3.484in./88.5mm			
	350 CID (5.7L) 350QAL Chevrolet V8 Cyl				4.000in./101.6mm x 3.438in./87.33mm			
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal								
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal								
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4	AL-5	MS-909A-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508A		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: 2.448" Diameter Main Bearing Journals								
Main Bearing Set 1-2-3-4	TM-77	MS-909P	STD,1,2,10,20,30,40,C60	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: 2.448" Diameter Main Bearing Journals, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1626P-10	20,30,40	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: 2.448" Diameter Main Bearing Journals, Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1683P-20		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
NOTE: 2.448" Diameter Main Bearing Journals, Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1744P-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-3119P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
NOTE: 2.448" Diameter Main Bearing Journals, Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1	B-1	SH-290S	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-290		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-288		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: From 1964								
Cam Bearing Set 1	AL-3	SH-1349S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: From 1964,Heavy Duty Engine								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: From 1964,Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								



CHRIS CRAFT (Cont.)											
COUNTER DATA				SHOP DATA							
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length			
8 CYL (Cont.)											
7 (Cont.)	305 CID (5.0L) 305GLV,305K,305KC,305KCL,305KL Chevrolet V8 Cyl				3.736in./95mm x 3.484in./88.5mm			7 (Cont.)			
	307 CID (5.0L) 307G,307GB,307GC,307GCB,307GCL,307GCLV,307GL,307GLV, 307K,307KB,307KC,307KCB,307KCL,307KL,307Q,307QA,307QAL,307QB, 307QL,307QLV Chevrolet V8 Cyl				3.875in./98.4mm x 3.250in./82.6mm						
	327 CID (5.4L) 327F,327FL,327Q,327QA,327QAL,327QL,327QLV Chevrolet V8 Cyl				4.000in./101.6mm x 3.250in./82.6mm						
	350 CID (5.7L) 350FLV,350G,350GB,350GL,350GLV,350K,350KL,350Q,350QB, 350QL,350QLV Chevrolet V8 Cyl				4.000in./101.6mm x 3.484in./88.5mm						
	350 CID (5.7L) 350QAL Chevrolet V8 Cyl				4.000in./101.6mm x 3.438in./87.33mm						
Cam Bearing Set 1-2-3-4-5				AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"											
Rod Forging 3185281, 3703526, 3703527, 3784000, 3815281, 3892671, 3916396, 3923282, 3946841											
C/S Forging 1130, 1178, 1182, 2680, 2690, 3279, 4577, 4672, 306275, 306276, 310514, 3732444, 3782680, 3782690, 3815822, 3832442, 3911000, 3911001, 3911011, 391101A, 3912335, 3914681, 3914682, 3930809, 3932444, 3941172, 3941174, 3941184, 4568749, 5782680											
Connecting Rod 35 Lbs.Ft. (11/32" Bolts)											
Connecting Rod 45 Lbs.Ft. (3/8" Bolts)											
Main Bearing 75 Lbs.Ft.											
8	427 CID (7.0L) OHV Ford V8 Cyl				4.233in./107.5mm x 3.781in./96mm					8	
Rod Bearing(8)				TM-77	CB-756P	STD,10,20	2.4380/2.4388	0.0024/0.0050	0.0750	2.5907/2.5915	0.7460
NOTE: Thru 1967											
Rod Bearing(8)				TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
NOTE: From 1968, Except Engines With Connecting Rod C7OE-2700A And Crankshaft C9AZ-6303D											
Rod Bearing(8)				TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: From 1968, Except Engines With Connecting Rod C7OE-2700A And Crankshaft C9AZ-6303D, Connecting Rods With Housing Bore Resized .002" Larger Than Stock											
Main Bearing Set 1-2-4-5				TM-77	MS-445P	STD,10,20	2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3					MB-2441P		2.7484/2.7492	0.0007/0.0033	0.0958	2.9412/2.9420	1.1180
NOTE: Thru 1963, Contains 3.614"/3.684" Flange Diameter Flanged Bearing, Contains Full Grooved Bearings											
Main Bearing Set 1-2-4-5				TM-77	MS-685P	STD,10,20,30,40,C60	2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3					MB-2441P		2.7484/2.7492	0.0009/0.0035	0.0957	2.9412/2.9420	1.1180
NOTE: From 1964, Thru 1965, .060" Undersize Set Contains .019" Oversize Length Flange Bearing, Contains 3.764"/3.824" Flange Diameter Flanged Bearing, Contains Full Grooved Bearings											
Main Bearing Set 1-2-4-5				TM-77	MS-863P	STD,1,10,20,30,40	2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3					MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	1.1180
NOTE: From 1966, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing, Contains 3.888"/3.948" Flange Diameter Flanged Bearing, Contains Full Grooved Bearings											
Cam Bearing Set 1				B-1	SH-643S	STD	2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2					SH-781		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3					SH-643		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4					SH-644		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5					SH-645		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
NOTE: From 1966, Wedge Head Engine											
Cam Bearing Set 1				B-1	SH-781S	STD	2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2					SH-781		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3					SH-377		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4					SH-378		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5					SH-379		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
NOTE: Thru 1965											
Piston Pin Bushing(8)				B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: Requires Light Reaming											



CHRIS CRAFT (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
8 (Cont.)	427 CID (7.0L) OHV Ford V8 Cyl			4.233in./107.5mm x 3.781in./96mm				8 (Cont.)
Connecting Rod	53 To 58 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
9	454 CID (7.4L) 454,454B,454L Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm				9
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4	AL-5	MS-829A-10	20,30	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2403A MB-2404A(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set 1-2-3-4	TM-77	MS-829P	STD,1,10,20,30,40	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2403P MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set 1-2-3-4	TM-77	MS-1745P-10	20,30	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2403P MB-3120P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1748P-10	20	2.7482/2.7492	0.0007/0.0032	0.1087	2.9570/2.9580	1.0440
5		MB-3123P MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set 1	B-1	SH-616S	STD	1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
Rod Forging	3856239, 3856240, 3933174							
C/S Forging	3521, 7416, 353039, 359730, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							
CHRYSLER MARINE								
ENGINE DATA								
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block			
4 CYL			6 CYL (Cont.)					
M109 Volvo 109 CID/1780CC (1.8L)	3.313in./84.2mmX3.150in./80mm	1	M170D Chrysler 170 CID (2.8L)	3.400in./86.4mmX3.125in./79.4mm	3			
M122 Volvo 122 CID (2.0L)	3.500in./88.9mmX3.150in./80mm	2	M225A Chrysler 225 CID (3.7L)	3.400in./86.4mmX4.125in./104.8mm	7			
6 CYL			M225D Chrysler 225 CID (3.7L)	3.400in./86.4mmX4.125in./104.8mm	7			
198 Chrysler 198 CID (3.2L)	3.400in./86.4mmX3.641in./92.5mm	3	M265 Chrysler 265 CID (4.3L)	3.438in./87.3mmX4.750in./120.7mm	8			
ACE Chrysler 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	5	MH225D Chrysler 225 CID (3.7L)	3.400in./86.4mmX4.125in./104.8mm	7			
HC170 Chrysler 170 CID (2.8L)	3.400in./86.4mmX3.125in./79.4mm	3	PC Chrysler 201 CID (3.3L)	3.125in./79.4mmX4.375in./111.1mm	4			
M6 Chrysler 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	6	8 CYL					
M7 Chrysler 251 CID (4.1L)	3.438in./87.3mmX4.500in./114.3mm	8	M45-S Chrysler 331 CID (5.4L)	3.813in./96.9mmX3.625in./92.1mm	11			
M16 (16HP-Horizontal Shaft) Magnum Chrysler 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	6	M80 Chrysler 318 CID (5.2L)	3.910in./99.3mmX3.313in./84.2mm	10			
M17 Chrysler 251 CID (4.1L)	3.438in./87.3mmX4.500in./114.3mm	8	M80A Chrysler 318 CID (5.2L)	3.910in./99.3mmX3.313in./84.2mm	10			
M26 Chrysler 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	6	M81 Chrysler 361 CID (5.9L)	4.125in./104.8mmX3.375in./85.7mm	14			
M27 Chrysler 251 CID (4.1L)	3.438in./87.3mmX4.500in./114.3mm	8	M81 Imperial Chrysler 361 CID (5.9L)	4.125in./104.8mmX3.375in./85.7mm	14			
M36 Chrysler 218 CID (3.6L)	3.250in./82.6mmX4.375in./111.1mm	6	M273 Chrysler 273 CID (4.5L)	3.625in./92.1mmX3.313in./84.2mm	9			
M37 Chrysler 251 CID (4.1L)	3.438in./87.3mmX4.500in./114.3mm	8	M273A Chrysler 273 CID (4.5L)	3.625in./92.1mmX3.313in./84.2mm	9			
M46 Chrysler 230 CID (3.8L)	3.250in./82.6mmX4.625in./117.5mm	6	M318 Chrysler 318 CID (5.2L)	3.910in./99.3mmX3.313in./84.2mm	10			
M46-4 Chrysler 230 CID (3.8L)	3.250in./82.6mmX4.625in./117.5mm	6	M318B Chrysler 318 CID (5.2L)	3.910in./99.3mmX3.313in./84.2mm	10			
M46S Chrysler 230 CID (3.8L)	3.250in./82.6mmX4.625in./117.5mm	6	M318C Chrysler 318 CID (5.2L)	3.910in./99.3mmX3.313in./84.2mm	10			
M46S-4 Chrysler 230 CID (3.8L)	3.250in./82.6mmX4.625in./117.5mm	6	M318G Chrysler 318 CID (5.2L)	3.910in./99.3mmX3.313in./84.2mm	10			
M47 Chrysler 265 CID (4.3L)	3.438in./87.3mmXin./mm	8	M340 Chrysler 340 CID (5.6L)	4.040in./102.6mmX3.313in./84.2mm	12			
M47-3 Chrysler 265 CID (4.3L)	3.438in./87.3mmXin./mm	8	M360 Chrysler 360 CID (5.9L)	4.000in./101.6mmX3.578in./90.8mm	13			
M47-4 Chrysler 265 CID (4.3L)	3.438in./87.3mmXin./mm	8	M383 Chrysler 383 CID (6.3L)	4.250in./108mmX3.375in./85.7mm	15			
M47S Chrysler 265 CID (4.3L)	3.438in./87.3mmXin./mm	8	M383B Chrysler 383 CID (6.3L)	4.250in./108mmX3.375in./85.7mm	15			
M170A Chrysler 170 CID (2.8L)	3.400in./86.4mmX3.125in./79.4mm	3	M400 Chrysler 400 CID (6.6L)	4.342in./110.3mmX3.375in./85.7mm	14			



CHRYSLER MARINE (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
8 CYL (Cont.)			8 CYL (Cont.)		
M413 Chrysler 413 CID (6.8L)	4.188in./106.4mmX3.750in./95.3mm	16	M426 Chrysler 426 CID (7.0L)	4.250in./108mmX3.750in./95.3mm	17
M413B Chrysler 413 CID (6.8L)	4.188in./106.4mmX3.750in./95.3mm	16	M426B Chrysler 426 CID (7.0L)	4.250in./108mmX3.750in./95.3mm	17
M413D Chrysler 413 CID (6.8L)	4.188in./106.4mmX3.750in./95.3mm	16	M426D Chrysler 426 CID (7.0L)	4.250in./108mmX3.750in./95.3mm	17
M413E Chrysler 413 CID (6.8L)	4.188in./106.4mmX3.750in./95.3mm	16	M440 Chrysler 440 CID (7.2L)	4.320in./109.7mmX3.750in./95.3mm	16

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
699	3.313in./84.2mm	9	666746	4.500in./114.3mm	8	1554471	4.375in./111.1mm	6	2205554	3.125in./79.4mm	3
699	3.313in./84.2mm	10	666746	4.750in./120.7mm	8	1554471	4.625in./117.5mm	6	2205554	4.125in./104.8mm	7
782	3.313in./84.2mm	9	666746		8	1554530	4.375in./111.1mm	5	2406395	3.750in./95.3mm	17
782	3.313in./84.2mm	10	868896	4.375in./111.1mm	5	1554530	4.375in./111.1mm	6	2406395	3.750in./95.3mm	16
9300	4.375in./111.1mm	5	868896	4.375in./111.1mm	6	1554530	4.625in./117.5mm	6	2406782	3.313in./84.2mm	9
9300	4.375in./111.1mm	6	868896	4.625in./117.5mm	6	1618699	3.313in./84.2mm	9	2406782	3.313in./84.2mm	10
9410	4.375in./111.1mm	5	952118	4.375in./111.1mm	5	1618699	3.313in./84.2mm	10	2406782	3.375in./85.7mm	15
9410	4.375in./111.1mm	6	952118	4.375in./111.1mm	6	1618699	3.375in./85.7mm	15	2406782	3.375in./85.7mm	14
9410	4.625in./117.5mm	6	952118	4.625in./117.5mm	6	1618699	3.375in./85.7mm	14	2406886	3.750in./95.3mm	17
9414	4.625in./117.5mm	6	954371	4.625in./117.5mm	6	1737692	3.375in./85.7mm	15	2406886	3.750in./95.3mm	16
15134N	3.641in./92.5mm	3	954408	4.375in./111.1mm	5	1737692	3.375in./85.7mm	14	2899496	3.313in./84.2mm	12
15134N	3.125in./79.4mm	3	954408	4.375in./111.1mm	6	1821345	3.625in./92.1mm	11	2951260	3.641in./92.5mm	3
15134N	4.125in./104.8mm	7	954408	4.625in./117.5mm	6	1851535	3.375in./85.7mm	15	2951260	3.125in./79.4mm	3
15140	3.641in./92.5mm	3	954418	4.500in./114.3mm	8	1851535	3.375in./85.7mm	14	2951260	4.125in./104.8mm	7
15140	3.125in./79.4mm	3	954418	4.750in./120.7mm	8	1851535	3.750in./95.3mm	17	2951908	3.375in./85.7mm	15
15140	4.125in./104.8mm	7	954418		8	1851535	3.625in./92.1mm	11	2951908	3.375in./85.7mm	14
291260	3.641in./92.5mm	3	954428	4.500in./114.3mm	8	1851535	3.750in./95.3mm	16	2951908	3.750in./95.3mm	17
617925	4.375in./111.1mm	5	954428	4.750in./120.7mm	8	1947167	3.641in./92.5mm	3	2951908	3.750in./95.3mm	16
617925	4.375in./111.1mm	6	954428		8	1947167	3.125in./79.4mm	3	3418645	3.313in./84.2mm	10
617925	4.625in./117.5mm	6	1324222	3.625in./92.1mm	11	1947167	4.125in./104.8mm	7	3418645	3.313in./84.2mm	12
665679	4.500in./114.3mm	8	1400244	4.500in./114.3mm	8	1947952	3.641in./92.5mm	3	3751142N	3.641in./92.5mm	3
665679	4.750in./120.7mm	8	1400244	4.750in./120.7mm	8	1947952	3.125in./79.4mm	3	3751142N	4.125in./104.8mm	7
665679		8	1400244		8	1947952	4.125in./104.8mm	7			
666743	4.625in./117.5mm	6	1554471	4.375in./111.1mm	5	2205554	3.641in./92.5mm	3			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3294	3.750in./95.3mm	17	1617184	3.625in./92.1mm	11	1851527	3.750in./95.3mm	17	2206160	3.750in./95.3mm	16
3294	3.750in./95.3mm	16	1619647	3.625in./92.1mm	11	1851527	3.750in./95.3mm	16	2258393	3.313in./84.2mm	9
620035	4.375in./111.1mm	5	1626123	3.313in./84.2mm	9	1855127	3.750in./95.3mm	17	2258393	3.313in./84.2mm	10
620035	4.375in./111.1mm	6	1626123	3.313in./84.2mm	10	1855127	3.750in./95.3mm	16	2258613	4.125in./104.8mm	7
665792	4.500in./114.3mm	8	1630270	3.313in./84.2mm	9	1978698	3.750in./95.3mm	17	2263611	3.125in./79.4mm	3
666739	4.500in./114.3mm	8	1630270	3.313in./84.2mm	10	1978698	3.750in./95.3mm	16	2264182	3.313in./84.2mm	9
673498	4.500in./114.3mm	8	1630276	3.313in./84.2mm	9	2121654	3.125in./79.4mm	3	2264182	3.313in./84.2mm	10
762706	4.500in./114.3mm	8	1630276	3.313in./84.2mm	10	2128278	3.313in./84.2mm	9	2264478	3.125in./79.4mm	3
856080	4.375in./111.1mm	5	1635690	3.625in./92.1mm	11	2128278	3.313in./84.2mm	10	2264478	4.125in./104.8mm	7
856080	4.375in./111.1mm	6	1650270	3.313in./84.2mm	9	2128492	4.125in./104.8mm	7	2264479	4.125in./104.8mm	7
863706	4.500in./114.3mm	8	1650270	3.313in./84.2mm	10	2128869	3.313in./84.2mm	9	2268613	4.125in./104.8mm	7
864718	4.500in./114.3mm	8	1732557	3.313in./84.2mm	9	2128869	3.313in./84.2mm	10	2465747	3.313in./84.2mm	9
864718	4.625in./117.5mm	6	1732557	3.313in./84.2mm	10	2203155	3.375in./85.7mm	15	2465747	3.313in./84.2mm	10
864719	4.375in./111.1mm	5	1732559	3.313in./84.2mm	10	2203155	3.375in./85.7mm	14	2482923	3.375in./85.7mm	15
864719	4.375in./111.1mm	6	1732610	3.313in./84.2mm	10	2203157	3.375in./85.7mm	15	2482923	3.375in./85.7mm	14
868929	4.625in./117.5mm	6	1737641	3.375in./85.7mm	15	2203157	3.375in./85.7mm	14	2532457	3.313in./84.2mm	10
870715	4.500in./114.3mm	8	1737641	3.375in./85.7mm	14	2205554	4.125in./104.8mm	7	2532457	3.313in./84.2mm	12
870744	4.500in./114.3mm	8	1737642	3.375in./85.7mm	15	2205700	3.313in./84.2mm	9	2543935	4.125in./104.8mm	7
952068	4.375in./111.1mm	5	1737642	3.375in./85.7mm	14	2205700	3.313in./84.2mm	10	2658268	3.313in./84.2mm	9
952068	4.375in./111.1mm	6	1737642	3.750in./95.3mm	17	2205700	3.313in./84.2mm	12	2658268	3.313in./84.2mm	10
1185539	4.625in./117.5mm	6	1737642	3.750in./95.3mm	16	2205702	3.313in./84.2mm	9	2658278	3.313in./84.2mm	9
1316540	4.375in./111.1mm	5	1739589	4.625in./117.5mm	6	2205702	3.313in./84.2mm	10	2658278	3.313in./84.2mm	10
1316540	4.375in./111.1mm	6	1821436	3.750in./95.3mm	17	2205702	3.313in./84.2mm	12	2658393	3.313in./84.2mm	10
1335001	3.625in./92.1mm	11	1821436	3.750in./95.3mm	16	2206157	3.375in./85.7mm	15	2658998	4.125in./104.8mm	7
1400188	4.750in./120.7mm	8	1826123	3.313in./84.2mm	9	2206157	3.375in./85.7mm	14	2843868	3.313in./84.2mm	9
1400188		8	1826123	3.313in./84.2mm	10	2206157	3.750in./95.3mm	17	2843868	3.313in./84.2mm	10
1400718	4.750in./120.7mm	8	1826129	3.313in./84.2mm	9	2206157	3.750in./95.3mm	16	2843935	4.125in./104.8mm	7
1400718		8	1826129	3.313in./84.2mm	10	2206158	3.750in./95.3mm	17	2843939	3.125in./79.4mm	3
1409421	3.625in./92.1mm	11	1830276	3.313in./84.2mm	9	2206158	3.750in./95.3mm	16	2843963	4.125in./104.8mm	7
1419421	3.625in./92.1mm	11	1830276	3.313in./84.2mm	10	2206159	3.375in./85.7mm	15	2951265	3.641in./92.5mm	3
1523335	3.625in./92.1mm	11	1851527	3.375in./85.7mm	15	2206159	3.375in./85.7mm	14	2951979	3.641in./92.5mm	3
1557708	4.625in./117.5mm	6	1851527	3.375in./85.7mm	14	2206160	3.750in./95.3mm	17	2954265	3.641in./92.5mm	3



CHRYSLER MARINE (Cont.)											
CRANKSHAFT FORGING NUMBERS (Cont.)											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3418640	3.578in./90.8mm	13	3482387	3.313in./84.2mm	10	3751888	3.750in./95.3mm	17	4027175	3.750in./95.3mm	17
3418840-2	3.578in./90.8mm	13	3698641	3.750in./95.3mm	17	3751888	3.750in./95.3mm	16	4027175	3.750in./95.3mm	16
3418995	3.578in./90.8mm	13	3698641	3.750in./95.3mm	16	3751888-5	3.750in./95.3mm	17	4095246	4.125in./104.8mm	7
3462387	3.313in./84.2mm	10	3698966	4.125in./104.8mm	7	3751888-5	3.750in./95.3mm	16	7501366	4.125in./104.8mm	7
3462387	3.313in./84.2mm	12	3751841	3.313in./84.2mm	9	3769307	4.125in./104.8mm	7	8698461	3.750in./95.3mm	17
3462923	3.375in./85.7mm	15	3751841	3.313in./84.2mm	10	4027169	3.578in./90.8mm	13	8698461	3.750in./95.3mm	16
3462923	3.375in./85.7mm	14	3751877	3.375in./85.7mm	15	4027172	3.375in./85.7mm	15			
3482387	3.313in./84.2mm	9	3751877	3.375in./85.7mm	14	4027172	3.375in./85.7mm	14			
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL											
1	109 CID/1780CC (1.8L) M109 Volvo 4 Cyl					3.313in./84.2mm x 3.150in./80mm					1
Rod Bearing(4)	TM-77	CB-734P	STD,10			2.1299/2.1303	0.0017/0.0036	0.0725	2.2765/2.2770	1.0620	
Main Bearing Set 1-2-3-4	TM-77	MS-813P	STD,10,20			2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.1000	
5		MB-2373P				2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.5320	
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing,.020" Undersize Set Contains .008" Oversize Length Flanged Bearing											
Connecting Rod	38 To 42 Lbs.Ft.										
Main Bearing	87 To 94 Lbs.Ft.										
2	122 CID (2.0L) M122 Volvo 4 Cyl					3.500in./88.9mm x 3.150in./80mm					2
Rod Bearing(4)	TM-77	CB-734P	STD,10			2.1299/2.1303	0.0017/0.0036	0.0725	2.2765/2.2770	1.0620	
NOTE: Thru 1973											
Rod Bearing(4)	TM-77	CB-1137P	STD,10,20,30			2.1255/2.1260	0.0015/0.0033	0.0783	2.2835/2.2840	0.9450	
NOTE: From 1974											
Main Bearing Set 1-2-3-4	TM-77	MS-813P	STD,10,20			2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.1000	
5		MB-2373P				2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.5320	
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing,.020" Undersize Set Contains .008" Oversize Length Flanged Bearing											
Connecting Rod	38 To 42 Lbs.Ft.										
Main Bearing	87 To 94 Lbs.Ft.										
6 CYL											
3	170 CID (2.8L) HC170,M170A,M170D Chrysler 6 Cyl					3.400in./86.4mm x 3.125in./79.4mm					3
198 CID (3.2L) 198 Chrysler 6 Cyl											
Rod Bearing(6)	TM-77	CB-606G	STD,1,10,20,30,40,60			2.1865/2.1875	0.0007/0.0028	0.0624	2.3125/2.3130	0.9900	
NOTE: Forged Crankshaft											
Rod Bearing(6)	TM-77	CB-1214AL	STD,10,20,30,40			2.1865/2.1875	0.0004/0.0029	0.0623	2.3125/2.3130	0.7200	
NOTE: Cast Iron Crankshaft											
Main Bearing Set 1	TM-77	MS-517P	STD,10,20,30,40			2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.0390	
2-4		MB-1999P				2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.0390	
3		MB-2001P				2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.2550	
NOTE: Forged Crankshaft											
Main Bearing Set 1-2-4	TM-77	MS-1419AL	STD,10,20,30			2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	0.8820	
3		MB-2731AL				2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.1080	
NOTE: Cast Iron Crankshaft											
Cam Bearing Set 1	B-1	SH-874S	STD			1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.9300	
2		SH-874				1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600	
3		SH-403				1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.7600	
4		SH-424				1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600	
Piston Pin Bushing(6)	B	223-3484	STD					0.0320	1.0370/1.0390	1.1400	
NOTE: Requires Light Reaming											
Piston Pin Bushing(6)	B	223-3607	STD					0.0430	1.0370/1.0390	1.1400	
NOTE: Requires Boring											
Rod Forging	15140, 15134N, 291260, 1947167, 1947952, 2205554, 2951260, 3751142N										
C/S Forging	2121654, 2263611, 2264478, 2843939, 2951265, 2951979, 2954265										



CHRYSLER MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
3 (Cont.)	170 CID (2.8L) HC170,M170A,M170D Chrysler 6 Cyl				3.400in./86.4mm x 3.125in./79.4mm			3 (Cont.)
	198 CID (3.2L) 198 Chrysler 6 Cyl				3.400in./86.4mm x 3.641in./92.5mm			
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
4	201 CID (3.3L) PC Chrysler 6 Cyl				3.125in./79.4mm x 4.375in./111.1mm			4
Cam Bearing Set	B-1	SH-23S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-24		1.9665/1.9675	0.0010/0.0050	0.0650	2.0985/2.0995	0.8820
3		SH-25		1.9350/1.9360	0.0010/0.0050	0.0650	2.0670/2.0680	0.8820
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
5	218 CID (3.6L) ACE Chrysler 6 Cyl				3.250in./82.6mm x 4.375in./111.1mm			5
Rod Bearing(6)	TM-77	CB-60G	STD,10,20,30,40,50,60	2.0615/2.0625	0.0006/0.0027	0.0525	2.1675/2.1680	1.0050
Main Bearing Set	TM-77	MS-523P-10	20,30					
1		MB-2011P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.2400
2-3		MB-2012P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.0360
4		MB-122P(F)		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-23S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-24		1.9665/1.9675	0.0010/0.0050	0.0650	2.0985/2.0995	0.8820
3		SH-25		1.9350/1.9360	0.0010/0.0050	0.0650	2.0670/2.0680	0.8820
Rod Forging	9300, 9410, 617925, 868896, 952118, 954408, 1554471, 1554530							
C/S Forging	620035, 856080, 864719, 952068, 1316540							
Connecting Rod	45 To 50 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	50 To 75 Lbs.Ft. (7/16" Bolts)							
Main Bearing	80 To 85 Lbs.Ft.							
6	218 CID (3.6L) M16 (16HP-Horizontal Shaft) Magnum,M26,M36,M6 Chrysler 6 Cyl				3.250in./82.6mm x 4.375in./111.1mm			6
	230 CID (3.8L) M46,M46-4,M46S,M46S-4 Chrysler 6 Cyl				3.250in./82.6mm x 4.625in./117.5mm			
Rod Bearing(6)	TM-77	CB-60G	STD,10,20,30,40,50,60	2.0615/2.0625	0.0006/0.0027	0.0525	2.1675/2.1680	1.0050
Main Bearing Set	TM-77	MS-523P-10	20,30					
1		MB-2011P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.2400
2-3		MB-2012P		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.0360
4		MB-122P(F)		2.4995/2.5005	0.0005/0.0025	0.0779	2.6565/2.6570	1.8710
Cam Bearing Set	B-1	SH-23S	STD					
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010
2		SH-24		1.9665/1.9675	0.0010/0.0050	0.0650	2.0985/2.0995	0.8820
3		SH-25		1.9350/1.9360	0.0010/0.0050	0.0650	2.0670/2.0680	0.8820
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
Rod Forging	9300, 9410, 9414, 617925, 666743, 868896, 952118, 954371, 954408, 1554471, 1554530							
C/S Forging	620035, 856080, 864718, 864719, 868929, 952068, 1185539, 1316540, 1557708, 1739589							
Connecting Rod	45 To 50 Lbs.Ft. (3/8" Bolts)							
Connecting Rod	50 To 75 Lbs.Ft. (7/16" Bolts)							
Main Bearing	80 To 85 Lbs.Ft.							
7	225 CID (3.7L) M225A,M225D,MH225D Chrysler 6 Cyl				3.400in./86.4mm x 4.125in./104.8mm			7
Rod Bearing(6)	TM-77	CB-606G	STD,1,10,20,30,40,60	2.1865/2.1875	0.0007/0.0028	0.0624	2.3125/2.3130	0.9900
NOTE: Forged Crankshaft								
Rod Bearing(6)	TM-77	CB-1214AL	STD,2,10,20,30,40	2.1865/2.1875	0.0004/0.0029	0.0623	2.3125/2.3130	0.7200
NOTE: Cast Iron Crankshaft								



CHRYSLER MARINE (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)									
7 (Cont.)	225 CID (3.7L) M225A,M225D,MH225D Chrysler 6 Cyl				3.400in./86.4mm x 4.125in./104.8mm				7 (Cont.)
Main Bearing Set	TM-77	MS-517P	STD,10,20,30,40						
1		MB-1999P		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.0390	
2-4		MB-2001P		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.0390	
3		MB-2000P(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.2550	
NOTE: Forged Crankshaft									
Main Bearing Set	TM-77	MS-1419AL	STD,10,20,30						
1-2-4		MB-2731AL		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	0.8820	
3		MB-2732AL(F)		2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.1080	
NOTE: Cast Iron Crankshaft									
Cam Bearing Set	B-1	SH-874S	STD						
1		SH-874		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.9300	
2		SH-403		1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600	
3		SH-424		1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.7600	
4		SH-425		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600	
NOTE: Thru 1978									
Cam Bearing Set	B-1	SH-1115S	STD						
1		SH-1115		1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.7900	
2		SH-1116		1.9820/1.9830	0.0025/0.0065	0.0640	2.1135/2.1145	0.6300	
3		SH-1117		1.9670/1.9680	0.0025/0.0065	0.0640	2.0985/2.0995	0.6300	
4		SH-425		1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600	
NOTE: From 1979									
Piston Pin Bushing(6)	B	223-3484	STD			0.0320	1.0370/1.0390	1.1400	
NOTE: Requires Light Reaming									
Piston Pin Bushing(6)	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400	
NOTE: Requires Boring									
Rod Forging	15140, 15134N, 1947167, 1947952, 2205554, 2951260, 3751142N								
C/S Forging	2128492, 2205554, 2258613, 2264478, 2264479, 2268613, 2543935, 2658998, 2843935, 2843963, 3698966, 3769307, 4095246, 7501366								
Connecting Rod	45 Lbs.Ft.								
Main Bearing	85 Lbs.Ft.								
8	251 CID (4.1L) M17,M27,M37,M7 Chrysler 6 Cyl				3.438in./87.3mm x 4.500in./114.3mm				8
	265 CID (4.3L) M47,M47-3,M47-4,M47S Chrysler 6 Cyl				3.438in./87.3mm x				
	265 CID (4.3L) M265 Chrysler 6 Cyl				3.438in./87.3mm x 4.750in./120.7mm				
Rod Bearing(6)	TM-77	CB-90P	STD,1,10,20,30,40,C60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	1.0850	
Main Bearing Set	TM-77	MS-107P	STD,10,20						
1-2-3		MB-327P		2.4995/2.5005	0.0011/0.0036	0.0776	2.6565/2.6570	1.1810	
4		MB-328P(F)		2.4995/2.5005	0.0017/0.0042	0.0774	2.6565/2.6570	1.8710	
Cam Bearing Set	B-1	SH-37S	STD						
1		SH-23		1.9980/1.9990	0.0005/0.0040	0.0650	2.1290/2.1300	1.1010	
2		SH-37		1.9665/1.9675	0.0005/0.0045	0.0652	2.0985/2.0995	1.0700	
3		SH-38		1.9350/1.9360	0.0005/0.0044	0.0653	2.0670/2.0680	1.0690	
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250	
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter									
Piston Pin Bushing(6)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250	
NOTE: Requires Boring, 1.066" Outside Diameter									
Rod Forging	665679, 666746, 954418, 954428, 1400244								
C/S Forging	665792, 666739, 673498, 762706, 863706, 864718, 870715, 870744, 1400188, 1400718								
Connecting Rod	40 To 45 Lbs.Ft.								
Main Bearing	80 To 85 Lbs.Ft.								
8 CYL									
9	273 CID (4.5L) M273,M273A Chrysler V8 Cyl				3.625in./92.1mm x 3.313in./84.2mm				9
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480	
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0007/0.0032	0.0634	2.2520/2.2525	0.8480	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									



CHRYSLER MARINE (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
9 (Cont.)	273 CID (4.5L) M273,M273A Chrysler V8 Cyl			3.625in./92.1mm x 3.313in./84.2mm					9 (Cont.)
Main Bearing Set 1-2-4 3 5	TM-77	MS-540P MB-2035P MB-2036P(F) MB-2559P	STD,10,20,30,40	2.4995/2.5005 2.4995/2.5005 2.4995/2.5005	0.0005/0.0026 0.0005/0.0026 0.0005/0.0026	0.0959 0.0959 0.0959	2.6925/2.6930 2.6925/2.6930 2.6925/2.6930	0.8770 1.1520 1.3270	
Cam Bearing Set 1 2 3 4 5	B-1	SH-875S SH-875 SH-326 SH-327 SH-328 SH-329	STD	1.9980/1.9990 1.9820/1.9830 1.9670/1.9680 1.9510/1.9520 1.5605/1.5615	0.0015/0.0055 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045	0.0645 0.0650 0.0650 0.0650 0.0650	2.1295/2.1305 2.1135/2.1145 2.0985/2.0995 2.0825/2.0835 1.6920/1.6930	0.9000 0.7700 0.7570 0.7700 0.9500	
Piston Pin Bushing(8) NOTE: Requires Light Reaming	B	223-3484	STD				0.0320	1.0370/1.0390	1.1400
Piston Pin Bushing(8) NOTE: Requires Boring	B	223-3607	STD				0.0430	1.0370/1.0390	1.1400
Rod Forging C/S Forging	699, 782, 1618699, 2406782 1626123, 1630270, 1630276, 1650270, 1732557, 1826123, 1826129, 1830276, 2128278, 2128869, 2205700, 2205702, 2258393, 2264182, 2465747, 2658268, 2658278, 2843868, 3482387, 3751841								
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 80 To 85 Lbs.Ft.								
10	318 CID (5.2L) M318,M318B,M318C,M318G,M80,M80A Chrysler V8 Cyl			3.910in./99.3mm x 3.313in./84.2mm					10
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480	
Rod Bearing(8) NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0007/0.0032	0.0634	2.2520/2.2525	0.8480	
Main Bearing Set 1-2-4 3 5 NOTE: Thru 1973	TM-77	MS-540P MB-2035P MB-2036P(F) MB-2559P	STD,10,20,30,40	2.4995/2.5005 2.4995/2.5005 2.4995/2.5005	0.0005/0.0026 0.0005/0.0026 0.0005/0.0026	0.0959 0.0959 0.0959	2.6925/2.6930 2.6925/2.6930 2.6925/2.6930	0.8770 1.1520 1.3270	
Main Bearing Set 1-2-4 3 5 NOTE: From 1974	TM-77	MS-1344P MB-2283P MB-2620P(F) MB-2559P	STD,10,20,30	2.4995/2.5005 2.4995/2.5005 2.4995/2.5005	0.0005/0.0026 0.0004/0.0025 0.0005/0.0026	0.0959 0.0958 0.0959	2.6925/2.6930 2.6925/2.6930 2.6925/2.6930	0.8770 1.1520 1.3270	
Cam Bearing Set 1 2 3 4 5 NOTE: Thru 1978	B-1	SH-875S SH-875 SH-326 SH-327 SH-328 SH-329	STD	1.9980/1.9990 1.9820/1.9830 1.9670/1.9680 1.9510/1.9520 1.5605/1.5615	0.0015/0.0055 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045	0.0645 0.0650 0.0650 0.0650 0.0650	2.1295/2.1305 2.1135/2.1145 2.0985/2.0995 2.0825/2.0835 1.6920/1.6930	0.9000 0.7700 0.7570 0.7700 0.9500	
Cam Bearing Set 1 2 3 4 5 NOTE: From 1979	B-1	SH-1112S SH-875 SH-1112 SH-1113 SH-1114 SH-329	STD	1.9980/1.9990 1.9820/1.9830 1.9670/1.9680 1.9510/1.9520 1.5605/1.5615	0.0015/0.0055 0.0015/0.0055 0.0015/0.0055 0.0015/0.0055 0.0005/0.0045	0.0645 0.0645 0.0645 0.0645 0.0650	2.1295/2.1305 2.1135/2.1145 2.0985/2.0995 2.0825/2.0835 1.6920/1.6930	0.9000 0.6300 0.6300 0.6300 0.9500	
Piston Pin Bushing(8) NOTE: Requires Light Reaming	B	223-3484	STD				0.0320	1.0370/1.0390	1.1400
Piston Pin Bushing(8) NOTE: Requires Boring	B	223-3607	STD				0.0430	1.0370/1.0390	1.1400
Rod Forging C/S Forging	699, 782, 1618699, 2406782, 3418645 1626123, 1630270, 1630276, 1650270, 1732557, 1732559, 1732610, 1826123, 1826129, 1830276, 2128278, 2128869, 2205700, 2205702, 2258393, 2264182, 2465747, 2532457, 2658268, 2658278, 2658393, 2843868, 3462387, 3482387, 3751841								
Connecting Rod Main Bearing	45 To 50 Lbs.Ft. 85 Lbs.Ft.								



CHRYSLER MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
11	331 CID (5.4L) M45-S Chrysler V8 Cyl				3.813in./96.9mm x 3.625in./92.1mm			11
Cam Bearing Set	B-1	SH-313S	STD					
1		SH-313		1.9980/1.9990	0.0005/0.0045	0.0650	2.1295/2.1305	0.9440
2-3-4		SH-314		1.9980/1.9990	0.0005/0.0045	0.0650	2.1295/2.1305	0.8190
5		SH-315		1.4355/1.4365	0.0005/0.0045	0.0650	1.5670/1.5680	0.8820
Rod Forging	1324222, 1821345, 1851535							
C/S Forging	1335001, 1409421, 1419421, 1523335, 1617184, 1619647, 1635690							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	80 To 85 Lbs.Ft.							
12	340 CID (5.6L) M340 Chrysler V8 Cyl				4.040in./102.6mm x 3.313in./84.2mm			12
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0007/0.0032	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-963P	STD,10,20,30					
1-2-4		MB-2283P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
3		MB-2036P(F)		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.1520
5		MB-2559P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.3270
Cam Bearing Set	B-1	SH-875S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-326		1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700
3		SH-327		1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570
4		SH-328		1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
Piston Pin Bushing(8)	B	223-3484	STD			0.0320	1.0370/1.0390	1.1400
NOTE: Requires Light Reaming								
Piston Pin Bushing(8)	B	223-3607	STD			0.0430	1.0370/1.0390	1.1400
NOTE: Requires Boring								
Rod Forging	2899496, 3418645							
C/S Forging	2205700, 2205702, 2532457, 3462387							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	85 Lbs.Ft.							
13	360 CID (5.9L) M360 Chrysler V8 Cyl				4.000in./101.6mm x 3.578in./90.8mm			13
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0007/0.0032	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-1051P	STD,10,20,30					
1-2-4		MB-2590P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	0.8770
3		MB-2591P(F)		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.1520
5		MB-2592P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.2590
NOTE: Thru 1973								
Main Bearing Set	TM-77	MS-1266P	STD,10,20,30					
1-2-4		MB-2622P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	0.8770
3		MB-2623P(F)		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.1520
5		MB-2624P		2.8095/2.8105	0.0005/0.0032	0.0959	3.0025/3.0030	1.2590
NOTE: From 1974								
Cam Bearing Set	B-1	SH-875S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-326		1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700
3		SH-327		1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570
4		SH-328		1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
NOTE: Thru 1978								
Cam Bearing Set	B-1	SH-1112S	STD					
1		SH-875		1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
2		SH-1112		1.9820/1.9830	0.0015/0.0055	0.0645	2.1135/2.1145	0.6300
3		SH-1113		1.9670/1.9680	0.0015/0.0055	0.0645	2.0985/2.0995	0.6300
4		SH-1114		1.9510/1.9520	0.0015/0.0055	0.0645	2.0825/2.0835	0.6300
5		SH-329		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
NOTE: From 1979								



CHRYSLER MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
13 (Cont.)	360 CID (5.9L) M360 Chrysler V8 Cyl			4.000in./101.6mm x 3.578in./90.8mm				13 (Cont.)
C/S Forging 3418640, 3418995, 4027169, 3418840-2								
Connecting Rod 45 Lbs.Ft. Main Bearing 85 Lbs.Ft.								
14	361 CID (5.9L) M81,M81 Imperial Chrysler V8 Cyl 400 CID (6.6L) M400 Chrysler V8 Cyl			4.125in./104.8mm x 3.375in./85.7mm 4.342in./110.3mm x 3.375in./85.7mm				14
Rod Bearing(8)	TM-77	CB-527P	STD,1,10,20,30,40,C50,C60	2.3740/2.3750	0.0009/0.0034	0.0623	2.5000/2.5005	0.9120
Main Bearing Set 1-2-4-5	TM-77	MS-876P	STD,10,20,30,40,C60	2.6245/2.6255	0.0011/0.0036	0.0956	2.8175/2.8180	0.9490
3		MB-2065P						
		MB-2456P(F)						
NOTE: .060" Undersize Set Contains .010" Oversize Length Flanged Bearing,Contains Full Grooved Bearings								
Cam Bearing Set	B-1	SH-876S	STD	1.9980/1.9990 1.9820/1.9830 1.9670/1.9680 1.9510/1.9520 1.7480/1.7490	0.0025/0.0065 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045	0.0640 0.0645 0.0645 0.0645 0.0645	2.1295/2.1305 2.1135/2.1145 2.0985/2.0995 2.0825/2.0835 1.8795/1.8805	0.7600 0.7600 0.6800 0.7600 0.7600
1		SH-876						
2		SH-403						
3		SH-404						
4		SH-405						
5		SH-406						
Rod Forging 1618699, 1737692, 1851535, 2406782, 2951908 C/S Forging 1737641, 1737642, 1851527, 2203155, 2203157, 2206157, 2206159, 2482923, 3462923, 3751877, 4027172								
Connecting Rod 45 Lbs.Ft. Main Bearing 85 Lbs.Ft.								
15	383 CID (6.3L) M383,M383B Chrysler V8 Cyl			4.250in./108mm x 3.375in./85.7mm				15
Rod Bearing(8)	TM-77	CB-527P	STD,1,10,20,30,40,C50,C60	2.3740/2.3750	0.0009/0.0034	0.0623	2.5000/2.5005	0.9120
Cam Bearing Set	B-1	SH-876S	STD	1.9980/1.9990 1.9820/1.9830 1.9670/1.9680 1.9510/1.9520 1.7480/1.7490	0.0025/0.0065 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045	0.0640 0.0645 0.0645 0.0645 0.0645	2.1295/2.1305 2.1135/2.1145 2.0985/2.0995 2.0825/2.0835 1.8795/1.8805	0.7600 0.7600 0.6800 0.7600 0.7600
1		SH-876						
2		SH-403						
3		SH-404						
4		SH-405						
5		SH-406						
Rod Forging 1618699, 1737692, 1851535, 2406782, 2951908 C/S Forging 1737641, 1737642, 1851527, 2203155, 2203157, 2206157, 2206159, 2482923, 3462923, 3751877, 4027172								
Connecting Rod 45 Lbs.Ft. Main Bearing 85 Lbs.Ft.								
16	413 CID (6.8L) M413,M413B,M413D,M413E Chrysler V8 Cyl 440 CID (7.2L) M440 Chrysler V8 Cyl			4.188in./106.4mm x 3.750in./95.3mm 4.320in./109.7mm x 3.750in./95.3mm				16
Rod Bearing(8)	TM-77	CB-527P	STD,1,10,20,30,40,C50,C60	2.3740/2.3750	0.0009/0.0034	0.0623	2.5000/2.5005	0.9120
Main Bearing Set 1-2-4-5	B-2	MS-481M	STD,10,20	2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	0.9490
3		MB-1883M						
		MB-1884M(F)						
NOTE: Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter, Partial Grooved Main Bearings								
Main Bearing Set 1-2-4-5	TM-77	MS-877P	STD,10,20,30	2.7495/2.7505	0.0008/0.0033	0.0956	2.9425/2.9430	0.9490
3		MB-2067P						
		MB-2457P(F)						
NOTE: Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter, Full Grooved Main Bearings								
Main Bearing Set 1-2-4-5	TM-77	MS-1277P	STD,10,20,30	2.7495/2.7505	0.0008/0.0033	0.0956	2.9425/2.9430	0.9490
3		MB-2067P						
		MB-2625P(F)						
NOTE: Except Engines With 3.555"/3.675" Main Bearing Flange Outside Diameter								
Cam Bearing Set	B-1	SH-876S	STD	1.9980/1.9990 1.9820/1.9830 1.9670/1.9680 1.9510/1.9520 1.7480/1.7490	0.0025/0.0065 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045 0.0005/0.0045	0.0640 0.0645 0.0645 0.0645 0.0645	2.1295/2.1305 2.1135/2.1145 2.0985/2.0995 2.0825/2.0835 1.8795/1.8805	0.7600 0.7600 0.6800 0.7600 0.7600
1		SH-876						
2		SH-403						
3		SH-404						
4		SH-405						
5		SH-406						
Rod Forging 1851535, 2406395, 2406886, 2951908 C/S Forging 3294, 1737642, 1821436, 1851527, 1855127, 1978698, 2206157, 2206158, 2206160, 3698641, 3751888, 4027175, 8698461, 3751888-5								
Connecting Rod 45 Lbs.Ft. Main Bearing 85 Lbs.Ft.								



CHRYSLER MARINE (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)									
17	426 CID (7.0L) M426,M426B,M426D Chrysler V8 Cyl				4.250in./108mm x 3.750in./95.3mm				17
Rod Bearing(8)	TM-77	CB-527P	STD,1,10,20,30,40,C50,C60		2.3740/2.3750	0.0009/0.0034	0.0623	2.5000/2.5005	0.9120
Main Bearing Set	B-2	MS-481M	STD,10,20						
1-2-4-5		MB-1883M			2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	0.9490
3		MB-1884M(F)			2.7495/2.7505	0.0005/0.0026	0.0959	2.9425/2.9430	1.2240
NOTE: Partial Grooved Main Bearings									
Main Bearing Set	TM-77	MS-877P	STD,10,20,30						
1-2-4-5		MB-2067P			2.7495/2.7505	0.0008/0.0033	0.0956	2.9425/2.9430	0.9490
3		MB-2457P(F)			2.7495/2.7505	0.0011/0.0036	0.0956	2.9425/2.9430	1.2240
NOTE: Full Grooved Main Bearings									
Cam Bearing Set	B-1	SH-876S	STD						
1		SH-876			1.9980/1.9990	0.0025/0.0065	0.0640	2.1295/2.1305	0.7600
2		SH-403			1.9820/1.9830	0.0005/0.0045	0.0645	2.1135/2.1145	0.7600
3		SH-404			1.9670/1.9680	0.0005/0.0045	0.0645	2.0985/2.0995	0.6800
4		SH-405			1.9510/1.9520	0.0005/0.0045	0.0645	2.0825/2.0835	0.7600
5		SH-406			1.7480/1.7490	0.0005/0.0045	0.0645	1.8795/1.8805	0.7600
Rod Forging	1851535, 2406395, 2406886, 2951908								
C/S Forging	3294, 1737642, 1821436, 1851527, 1855127, 1978698, 2206157, 2206158, 2206160, 3698641, 3751888, 4027175, 8698461, 3751888-5								
Connecting Rod	45 Lbs.Ft.								
Main Bearing	85 Lbs.Ft.								

COMMANDER MARINE									
ENGINE DATA									
Engine	Bore & Stroke			Block	Engine	Bore & Stroke			Block
302 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm			1	460 Ford 460 CID (7.5L)	4.360in./110.7mmX3.850in./97.8mm			3
351 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm			2					
CONNECTING ROD FORGING NUMBERS									
Forging No.	Stroke	Block	Forging No.	Stroke	Block				
C90E	3.500in./88.9mm	2	D60E	3.500in./88.9mm	2				
CRANKSHAFT FORGING NUMBERS									
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	
3C	3.500in./88.9mm	2	3MA	3.500in./88.9mm	2	7MA	3.500in./88.9mm	2	
3M	3.500in./88.9mm	2	7M	3.500in./88.9mm	2	C90E-A	3.500in./88.9mm	2	

COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL									
1	302 CID (5.0L) 302 Ford V8 Cyl				4.000in./101.6mm x 3.000in./76.2mm				1
Rod Bearing(8)	AL-5	CB-634A-10	20,30		2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60		2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A-10	20,30		2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40		2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	AL-5	MS-590A-10	20,30						
1-2-4-5		MB-2121A			2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122A(F)			2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-590P	STD,1,10,20,30,40						
1-2-4-5		MB-2121P			2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122P(F)			2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-1746P-10	20,30						
1-2-4-5		MB-2121P			2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-3124P(F)			2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing									



COMMANDER MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
1 (Cont.)	302 CID (5.0L) 302 Ford V8 Cyl			4.000in./101.6mm x 3.000in./76.2mm				1 (Cont.)
Cam Bearing Set	B-1	SH-510S	STD					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
2	351 CID (5.8L) 351 Ford Windsor V8 Cyl			4.000in./101.6mm x 3.500in./88.9mm				2
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-981P	STD,1,10,20,30,40					
1-2-4-5		MB-2557P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Thru 1976, Full Grooved Main Bearings								
Main Bearing Set	AL-5	MS-1432A-10	20,30					
1-2-4-5		MB-2754A		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558A(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Main Bearing Set	TM-77	MS-1432P	STD,1,10,20,30,40					
1-2-4-5		MB-2754P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Cam Bearing Set	B-1	SH-510S	STD					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	C90E, D60E							
C/S Forging	3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
3	460 CID (7.5L) 460 Ford V8 Cyl			4.360in./110.7mm x 3.850in./97.8mm				3
Rod Bearing(8)	TM-77	CB-818P	STD,1,10,20,30,40	2.4992/2.5000	0.0005/0.0031	0.0761	2.6522/2.6530	0.8660
Rod Bearing(8)	TM-77	CB-1802P-10	20,30	2.4992/2.5000	0.0005/0.0031	0.0771	2.6542/2.6550	0.8660
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-1039P	STD,1,10,20,30,40					
1-2-4-5		MB-2564P		2.9994/3.0002	0.0007/0.0033	0.0958	3.1922/3.1930	0.9500
3		MB-2565P(F)		2.9994/3.0002	0.0007/0.0033	0.0958	3.1922/3.1930	1.1200
Cam Bearing Set	AL-3	SH-1111S	STD,10					
1-2-3-4-5		SH-1111		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.6000
Cam Bearing Set	AL-3	SH-1766S	STD					
1-2-3-4-5		SH-1766		2.1238/2.1248	0.0011/0.0050	0.0694	2.2645/2.2655	0.6300
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.2645"/2.2655"								
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							



DEARBORN MARINE														
ENGINE DATA														
Engine			Bore & Stroke			Block	Engine			Bore & Stroke			Block	
6 CYL							8 CYL (Cont.)							
Ford 144 CID (2.4L)			3.500in./88.9mmX2.500in./63.5mm			1	289 Ford 289 CID (4.7L)			4.000in./101.6mmX2.870in./72.9mm			4	
Ford 170 CID (2.8L)			3.500in./88.9mmX2.938in./74.6mm			1	Ford 256 CID (4.2L)			3.625in./92.1mmX3.100in./78.7mm			3	
8 CYL							Ford 292 CID (4.8L)			3.750in./95.3mmX3.297in./83.8mm			3	
							Ford 272 CID (4.5L)			3.625in./92.1mmX3.297in./83.8mm			3	
							Ford 312 CID (5.1L)			3.800in./96.5mmX3.438in./87.3mm			5	
							Ford 312 CID (5.1L) Supercharged			3.800in./96.5mmX3.438in./87.3mm			5	
							Ford 390 CID (6.4L)			4.050in./102.9mmX3.781in./96mm			7	
215 Ford 302 CID (5.0L)			4.000in./101.6mmX3.000in./76.2mm			4	High Performance Ford 427 CID (7.0L)			4.233in./107.5mmX3.781in./96mm			8	
225 Ford 302 CID (5.0L)			4.000in./101.6mmX3.000in./76.2mm			4	OHV Ford 239 CID (3.9L)			3.500in./88.9mmX3.100in./78.7mm			2	
235 Ford Windsor 351 CID (5.8L)			4.000in./101.6mmX3.500in./88.9mm			6	Super High Output Ford 427 CID (7.0L)			4.233in./107.5mmX3.781in./96mm			8	
240 Ford Windsor 351 CID (5.8L)			4.000in./101.6mmX3.500in./88.9mm			6								
250 Ford Windsor 351 CID (5.8L)			4.000in./101.6mmX3.500in./88.9mm			6								
255 Ford Windsor 351 CID (5.8L)			4.000in./101.6mmX3.500in./88.9mm			6								
CONNECTING ROD FORGING NUMBERS														
Forging No.			Stroke	Block	Forging No.			Stroke	Block	Forging No.			Stroke	Block
21A-6200			3.000in./76.2mm	4	C2AE-B			3.781in./96mm	7	C30E			2.500in./63.5mm	1
91A-6200			3.000in./76.2mm	4	C2OE			3.000in./76.2mm	4	C30E			2.938in./74.6mm	1
B10			2.500in./63.5mm	1	C3AE-A			3.000in./76.2mm	4	C30E-A			3.000in./76.2mm	4
B10			2.938in./74.6mm	1	C3AE-B			3.781in./96mm	8	C90E			3.500in./88.9mm	6
C1AE-B			3.781in./96mm	7	C3AE-C			3.781in./96mm	8	CODE			2.500in./63.5mm	1
C1DE			2.500in./63.5mm	1	C3AE-D			3.000in./76.2mm	4	CODE			2.938in./74.6mm	1
C1DE			2.938in./74.6mm	1	C3AE-F			3.781in./96mm	8	D8BE			2.938in./74.6mm	1
C1TE-C			3.297in./83.8mm	3	C3AE-J			3.000in./76.2mm	4	D8BE-6205			2.500in./63.5mm	1
C2AE-A			3.100in./78.7mm	3	C5AE-B			3.781in./96mm	8	D8BE-6205			2.938in./74.6mm	1
C2AE-A			3.297in./83.8mm	3	C8DE			3.000in./76.2mm	4	D60E			3.500in./88.9mm	6
C2AE-B			3.781in./96mm	8	C8OE-A			3.000in./76.2mm	4	EBU			3.100in./78.7mm	3
CRANKSHAFT FORGING NUMBERS														
Forging No.			Stroke	Block	Forging No.			Stroke	Block	Forging No.			Stroke	Block
1F			2.500in./63.5mm	1	B3C7			3.297in./83.8mm	3	C3AE-C			3.781in./96mm	7
1F			2.938in./74.6mm	1	B4A-6303-B			3.297in./83.8mm	3	C3AE-E			3.781in./96mm	7
1G			2.500in./63.5mm	1	B4A-B			3.297in./83.8mm	3	C3AE-F			3.000in./76.2mm	4
1G			2.938in./74.6mm	1	B5A-6303-B			3.297in./83.8mm	3	C3AE-G			3.781in./96mm	8
1H			2.500in./63.5mm	1	B5Q-6303-A			3.297in./83.8mm	3	C30E-B			3.000in./76.2mm	4
1H			2.938in./74.6mm	1	B5S-6303-A			3.297in./83.8mm	3	C30Z			3.000in./76.2mm	4
1HA			2.500in./63.5mm	1	B616			3.297in./83.8mm	3	C4AE-B			3.781in./96mm	8
1HA			2.938in./74.6mm	1	C0E-A			3.000in./76.2mm	4	C4AE-C			3.781in./96mm	8
1J			3.000in./76.2mm	4	C1AE-A			3.781in./96mm	7	C4AE-E			3.781in./96mm	8
1M			3.000in./76.2mm	4	C1TE			3.297in./83.8mm	3	C4AE-H			3.781in./96mm	8
1MA			3.000in./76.2mm	4	C1TE-6303F1			3.297in./83.8mm	3	C4AZ-A			3.781in./96mm	8
2M			3.000in./76.2mm	4	C1TE-F1			3.297in./83.8mm	3	C4AZ-J			3.781in./96mm	8
2MA			3.000in./76.2mm	4	C1TE-F			3.297in./83.8mm	3	C4TZ-A			3.781in./96mm	8
2MAB			3.000in./76.2mm	4	C2AE-2			3.781in./96mm	7	C4TZ-B			3.781in./96mm	8
2MAC			3.000in./76.2mm	4	C2AE-A			3.297in./83.8mm	3	C5AE-C			3.781in./96mm	8
2MAD			3.000in./76.2mm	4	C2AE-B			3.781in./96mm	7	C5DE-A			2.500in./63.5mm	1
2MAE			3.000in./76.2mm	4	C2AE-D			3.781in./96mm	7	C5DE-A			2.938in./74.6mm	1
3C			3.500in./88.9mm	6	C2DE-A			2.500in./63.5mm	1	C8AE-B			3.781in./96mm	8
3M			3.500in./88.9mm	6	C2DE-A			2.938in./74.6mm	1	C9TE			3.297in./83.8mm	3
3MA			3.500in./88.9mm	6	C2OE-A			3.000in./76.2mm	4	C9TE-A			3.297in./83.8mm	3
7M			3.500in./88.9mm	6	C2OZ			3.000in./76.2mm	4	C9ZE-A			3.000in./76.2mm	4
7MA			3.500in./88.9mm	6	C3AE-B			3.781in./96mm	7	C20Z-A			3.000in./76.2mm	4
COUNTER DATA						SHOP DATA								
Bearing or Position		Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore		Max Length			
6 CYL														
1		144 CID (2.4L) Ford 6 Cyl (1960-1964)				3.500in./88.9mm x 2.500in./63.5mm				1				
		170 CID (2.8L) Ford 6 Cyl (1961-1973)				3.500in./88.9mm x 2.938in./74.6mm								
Rod Bearing(6)		TM-77	CB-583P	STD,1,10,20,30,40,G60		2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398		0.8100			
Main Bearing Set		TM-77	MS-518G	STD,10,20,30,40										
1-2-4			MB-2002G			2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020		1.0200			
3			MB-2003G(F)			2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020		1.2710			



DEARBORN MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
1 (Cont.)	144 CID (2.4L) Ford 6 Cyl (1960-1964)			3.500in./88.9mm x 2.500in./63.5mm				1
	170 CID (2.8L) Ford 6 Cyl (1961-1973)			3.500in./88.9mm x 2.938in./74.6mm				(Cont.)
Cam Bearing Set	B-1	SH-703S	STD					
1		SH-703		1.8095/1.8105	0.0010/0.0050	0.0833	1.9780/1.9790	0.7300
2		SH-412		1.8095/1.8105	0.0010/0.0050	0.0758	1.9630/1.9640	0.7300
3		SH-413		1.8095/1.8105	0.0010/0.0050	0.0683	1.9480/1.9490	0.7300
4		SH-414		1.8095/1.8105	0.0010/0.0050	0.0608	1.9330/1.9340	0.7300
Rod Forging	B10, C1DE, C30E, CODE, D8BE, D8BE-6205							
C/S Forging	1F, 1G, 1H, 1HA, C2DE-A, C30E-A, C30Z-A, C30Z-E, C5DE-A, CTR-CB							
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
8 CYL								
2	239 CID (3.9L) OHV Ford V8 Cyl (1954)			3.500in./88.9mm x 3.100in./78.7mm				2
Rod Bearing(8)	TM-77	CB-461P	STD,1,10,20,30,40,50,C60	2.1880/2.1888	0.0005/0.0020	0.0617	2.3120/2.3128	0.7460
Main Bearing Set	TM-77	MS-178P	STD,10,20,30,40					
1-2-4-5		MB-1575P		2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	0.9120
3		MB-1621P(F)		2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	1.1200
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Piston Pin	B	223-3451	STD			0.0360	0.8115/0.8125	1.3220
Bushing(8)								
NOTE: Requires Light Reaming								
C/S Forging	EBU-6303-A							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
3	256 CID (4.2L) Ford V8 Cyl (1954)			3.625in./92.1mm x 3.100in./78.7mm				3
	272 CID (4.5L) Ford V8 Cyl (1955-1957)			3.625in./92.1mm x 3.297in./83.8mm				
	292 CID (4.8L) Ford V8 Cyl (1955)			3.750in./95.3mm x 3.297in./83.8mm				
Rod Bearing(8)	TM-77	CB-461P	STD,1,10,20,30,40,50,C60	2.1880/2.1888	0.0005/0.0020	0.0617	2.3120/2.3128	0.7460
Main Bearing Set	TM-77	MS-178P	STD,10,20,30,40					
1-2-4-5		MB-1575P		2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	0.9120
3		MB-1621P(F)		2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	1.1200
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-559S	STD,10					
1		SH-285		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.8900
2-3-4-5		SH-559		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.6300
NOTE: Grooved Number 3 Camshaft Journal								
Piston Pin	B	223-3451	STD			0.0360	0.8115/0.8125	1.3220
Bushing(8)								
NOTE: Requires Light Reaming								
Rod Forging	EBU, ECC, ECE, EDC, C1TE-C, C2AE-A							
C/S Forging	EC, EBU, B3C7, B616, C1TE, C9TE, B4A-B, C1TE-F, C2AE-A, C9TE-A, C1TE-F1, B4A-6303-B, B5A-6303-B, B5Q-6303-A, B5S-6303-A, EBU-6303-A, ECG-6303-B, ECK-6303-B, C1TE-6303F1							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
4	289 CID (4.7L) 289 Ford V8 Cyl			4.000in./101.6mm x 2.870in./72.9mm				4
	302 CID (5.0L) 215,225 Ford V8 Cyl			4.000in./101.6mm x 3.000in./76.2mm				
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-590A-10	20,30					
1-2-4-5		MB-2121A		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122A(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-590P	STD,1,10,20,30,40					
1-2-4-5		MB-2121P		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330



DEARBORN MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
4 (Cont.)	289 CID (4.7L) 289 Ford V8 Cyl			4.000in./101.6mm x 2.870in./72.9mm				4 (Cont.)
	302 CID (5.0L) 215,225 Ford V8 Cyl			4.000in./101.6mm x 3.000in./76.2mm				
Main Bearing Set 1-2-4-5 3	TM-77	MS-1746P-10 MB-2121P MB-3124P(F)	20,30	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3 4 5	B-1	SH-510S SH-510 SH-511 SH-512 SH-513 SH-514	STD	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700
Rod Forging C/S Forging	C20E, C8DE, C30E-A, C3AE-A, C3AE-D, C3AE-J, C8OE-A, 21A-6200, 91A-6200 1J, 1M, 2M, 1MA, 2MA, 2MAB, 2MAC, 2MAD, 2MAE, C20Z, C30Z, GS-M, C0E-A, C20Z-A, C20E-A, C3AE-F, C30E-B, C80E-B, C9ZE-A							
Connecting Rod Main Bearing	19 To 24 Lbs.Ft. 60 To 70 Lbs.Ft.							
5	312 CID (5.1L) Ford Supercharged V8 Cyl (1957)			3.800in./96.5mm x 3.438in./87.3mm				5
Rod Bearing(8) Main Bearing Set 1-2-4-5 3	TM-77	CB-461P MS-195P-10 MB-1717P MB-1718P(F)	STD,1,10,20,30,40,50,C60 20	2.1880/2.1888 2.6235/2.6243 2.6235/2.6243	0.0005/0.0020 0.0005/0.0029 0.0005/0.0029	0.0617 0.0959 0.0959	2.3120/2.3128 2.8160/2.8168 2.8160/2.8168	0.7460 0.8720 1.1200
Cam Bearing Set 1 2-3-4-5	B-1	SH-559S SH-285 SH-559	STD,10	1.9255/1.9265 1.9255/1.9265	0.0010/0.0050 0.0010/0.0050	0.0650 0.0650	2.0575/2.0585 2.0575/2.0585	0.8900 0.6300
Piston Pin Bushing(8) NOTE: Requires Boring	B	223-3546	STD			0.0411	0.9730/0.9750	1.2500
Rod Forging C/S Forging	ECZ, ECZ-6205B ECE, ECG, ECK, ECZ							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.							
6	351 CID (5.8L) 235,240,250,255 Ford Windsor V8 Cyl			4.000in./101.6mm x 3.500in./88.9mm				6
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8) NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
Rod Bearing(8) NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
Main Bearing Set 1-2-4-5 3 NOTE: Thru 1976, Full Grooved Main Bearings	TM-77	MS-981P MB-2557P MB-2558P(F)	STD,1,10,20,30,40	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
Main Bearing Set 1-2-4-5 3 NOTE: From 1977, Partial Grooved Main Bearings	AL-5	MS-1432A-10 MB-2754A MB-2558A(F)	20,30	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
Main Bearing Set 1-2-4-5 3 NOTE: From 1977, Partial Grooved Main Bearings	TM-77	MS-1432P MB-2754P MB2558P(F)	STD,1,10,20,30,40	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
Cam Bearing Set 1 2 3 4 5	B-1	SH-510S SH-510 SH-511 SH-512 SH-513 SH-514	STD	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700
Rod Forging C/S Forging	C90E, D60E 3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.							



DEARBORN MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
7	390 CID (6.4L) Ford V8 Cyl (1961-1971)				4.050in./102.9mm x 3.781in./96mm			7
Rod Bearing(8) NOTE: 1961-1963	TM-77	CB-756P	STD,10,20	2.4380/2.4388	0.0024/0.0050	0.0750	2.5907/2.5915	0.7460
Rod Bearing(8) NOTE: 1964-1971	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
Rod Bearing(8) NOTE: 1964-1971, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
Main Bearing Set 1-2-4-5 3 NOTE: 1961-1963, Contains 3.614"/3.684" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings	TM-77	MS-445P MB-2441P MB-1825P(F)	STD,10,20	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0007/0.0033	0.0961 0.0958	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
Main Bearing Set 1-2-4-5 3 NOTE: 1964-1965, .060" Undersize Set Contains .019" Oversize Length Flange Bearing,Contains 3.764"/3.824" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings	TM-77	MS-685P MB-2441P MB-2235P(F)	STD,10,20,30,40,C60	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0009/0.0035	0.0961 0.0957	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
Main Bearing Set 1-2-4-5 3 NOTE: 1966-1971, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing,Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings	TM-77	MS-863P MB-2441P MB-2442P(F)	STD,1,10,20,30,40	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0005/0.0032	0.0961 0.0961	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
Cam Bearing Set 1 2 3 4 5 NOTE: 1961-1971	B-1	SH-781S SH-781 SH-377 SH-378 SH-379 SH-380	STD	2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0919 0.0844 0.0769 0.0694 0.0619	2.3095/2.3105 2.2945/2.2955 2.2795/2.2805 2.2645/2.2655 2.2495/2.2505	0.6300 0.6300 0.6300 0.6300 0.5700
Piston Pin Bushing(8) NOTE: 1961-1971, Requires Light Reaming	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
Piston Pin Bushing(8) NOTE: 1961-1963, Requires Light Reaming	C-1	223-3504	STD			0.0480	1.3040/1.3060	1.5400
Piston Pin Bushing(8) NOTE: 1961-1971, Requires Boring	B	223-3598	STD			0.0411	1.0360/1.0380	1.1900
Rod Forging C/S Forging	C1AE-B, C2AE-B C1AE-A, C2AE-2, C2AE-B, C2AE-D, C3AE-B, C3AE-C, C3AE-E							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.							
8	427 CID (7.0L) High Performance,Super High Output Ford V8 Cyl				4.233in./107.5mm x 3.781in./96mm			8
Rod Bearing(8) NOTE: Except Engines With C7OE-6200A Connecting Rod And C9AZ-6303D Crankshaft,Thru 1967	TM-77	CB-756P	STD,10,20	2.4380/2.4388	0.0024/0.0050	0.0750	2.5907/2.5915	0.7460
Rod Bearing(8) NOTE: Except Engines With Connecting Rod C7OE-2700A And Crankshaft C9AZ-6303D,From 1968	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
Rod Bearing(8) NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock,Except Engines With Connecting Rod C7OE-2700A And Crankshaft C9AZ-6303D,From 1968	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
Main Bearing Set 1-2-4-5 3 NOTE: Thru 1963, Contains 3.614"/3.684" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings	TM-77	MS-445P MB-2441P MB-1825P(F)	STD,10,20	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0007/0.0033	0.0961 0.0958	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180



DEARBORN MARINE (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
8 (Cont.)	427 CID (7.0L) High Performance,Super High Output Ford V8 Cyl				4.233in./107.5mm x 3.781in./96mm				8 (Cont.)
Main Bearing Set 1-2-4-5 3	TM-77	MS-685P MB-2441P MB-2235P(F)	STD,10,20,30,40,C60	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0009/0.0035	0.0961 0.0957	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180	
NOTE: From 1964,Thru 1965, .060" Undersize Set Contains .019" Oversize Length Flange Bearing,Contains 3.764"/3.824" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings									
Main Bearing Set 1-2-4-5 3	TM-77	MS-863P MB-2441P MB-2442P(F)	STD,1,10,20,30,40	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0005/0.0032	0.0961 0.0961	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180	
NOTE: From 1966, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing,Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings									
Cam Bearing Set 1 2 3 4 5	B-1	SH-643S SH-781 SH-643 SH-644 SH-645 SH-646	STD	2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0919 0.0844 0.0769 0.0694 0.0619	2.3095/2.3105 2.2945/2.2955 2.2795/2.2805 2.2645/2.2655 2.2495/2.2505	0.6300 0.6300 0.6300 0.6300 0.5700	
NOTE: From 1966,Wedge Head Engine									
Cam Bearing Set 1 2 3 4 5	B-1	SH-781S SH-781 SH-377 SH-378 SH-379 SH-380	STD	2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0919 0.0844 0.0769 0.0694 0.0619	2.3095/2.3105 2.2945/2.2955 2.2795/2.2805 2.2645/2.2655 2.2495/2.2505	0.6300 0.6300 0.6300 0.6300 0.5700	
NOTE: Thru 1965									
Piston Pin Bushing(8)	B	223-3501	STD				0.0365	1.0360/1.0380	1.2500
NOTE: Thru 1967, Requires Light Reaming									
Rod Forging C/S Forging	C2AE-B, C3AE-B, C3AE-C, C3AE-F, C5AE-B C3AE-G, C4AE-B, C4AE-C, C4AE-E, C4AE-H, C4AZ-A, C4AZ-J, C4TZ-A, C4TZ-B, C5AE-C, C8AE-B								
Connecting Rod Main Bearing	53 To 58 Lbs.Ft. 95 To 105 Lbs.Ft.								

FLAGSHIP MARINE									
ENGINE DATA									
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block		
283 Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm		1	327 Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm		3		
295 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm		2	340 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm		5		
305 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm		2	350 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm		2		
307 Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm		2	427 Chevrolet 427 CID (7.0L)	4.250in./108mmX3.766in./95.7mm		4		
315 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm		2	454 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm		5		

CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3185281	3.250in./82.6mm	2	3703527	3.250in./82.6mm	2	3815281	3.250in./82.6mm	2	3892671	3.484in./88.5mm	2
3185281	3.250in./82.6mm	3	3703527	3.250in./82.6mm	3	3815281	3.250in./82.6mm	3	3916396	3.484in./88.5mm	2
3703526	3.000in./76.2mm	1	3784000	3.000in./76.2mm	1	3856239	4.000in./101.6mm	5	3923282	3.484in./88.5mm	2
3703526	3.250in./82.6mm	2	3784000	3.250in./82.6mm	2	3856239	3.766in./95.7mm	4	3933174	4.000in./101.6mm	5
3703526	3.250in./82.6mm	3	3784000	3.250in./82.6mm	3	3856240	4.000in./101.6mm	5	3933174	3.766in./95.7mm	4
3703527	3.000in./76.2mm	1	3815281	3.000in./76.2mm	1	3856240	3.766in./95.7mm	4	3946841	3.484in./88.5mm	2

CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1130	3.250in./82.6mm	2	2680	3.250in./82.6mm	2	4577	3.250in./82.6mm	2	7416	4.000in./101.6mm	5
1130	3.250in./82.6mm	3	2680	3.250in./82.6mm	3	4577	3.250in./82.6mm	3	9115	3.766in./95.7mm	4
1178	3.000in./76.2mm	1	2690	3.484in./88.5mm	2	4672	3.250in./82.6mm	2	306275	3.484in./88.5mm	2
1178	3.250in./82.6mm	2	3279	3.000in./76.2mm	1	4672	3.250in./82.6mm	3	306276	3.484in./88.5mm	2
1178	3.250in./82.6mm	3	3279	3.250in./82.6mm	2	6223	3.766in./95.7mm	4	310514	3.484in./88.5mm	2
1182	3.484in./88.5mm	2	3279	3.250in./82.6mm	3	6764	3.000in./76.2mm	1	353039	4.000in./101.6mm	5
1182	3.250in./82.6mm	3	3521	4.000in./101.6mm	5	7115	3.766in./95.7mm	4	359730	4.000in./101.6mm	5



FLAGSHIP MARINE (Cont.)											
CRANKSHAFT FORGING NUMBERS (Cont.)											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
391101A	3.250in./82.6mm	2	3836266	3.000in./76.2mm	1	3911000	3.250in./82.6mm	3	3941174	3.250in./82.6mm	3
391101A	3.250in./82.6mm	3	3837266	3.000in./76.2mm	1	3911001	3.250in./82.6mm	2	3941180	3.766in./95.7mm	4
3727449	3.000in./76.2mm	1	3838266	3.000in./76.2mm	1	3911001	3.250in./82.6mm	3	3941184	3.484in./88.5mm	2
3727499	3.000in./76.2mm	1	3849847	3.000in./76.2mm	1	3911011	3.250in./82.6mm	2	3942411	3.766in./95.7mm	4
3729449	3.000in./76.2mm	1	3863144	3.766in./95.7mm	4	3911011	3.250in./82.6mm	3	3962523	4.000in./101.6mm	5
3732444	3.484in./88.5mm	2	3874874	3.766in./95.7mm	4	3912335	3.484in./88.5mm	2	3963523	4.000in./101.6mm	5
3734627	3.000in./76.2mm	1	3876764	3.000in./76.2mm	1	3914681	3.250in./82.6mm	2	3963524	4.000in./101.6mm	5
3735236	3.000in./76.2mm	1	3876768	3.000in./76.2mm	1	3914681	3.250in./82.6mm	3	3967463	4.000in./101.6mm	5
3782680	3.250in./82.6mm	3	3882842	3.766in./95.7mm	4	3914682	3.250in./82.6mm	2	3975945	4.000in./101.6mm	5
3782690	3.250in./82.6mm	3	3882847	3.766in./95.7mm	4	3914682	3.250in./82.6mm	3	4568749	3.484in./88.5mm	2
3804816	3.766in./95.7mm	4	3882848	3.766in./95.7mm	4	3930809	3.250in./82.6mm	2	5782680	3.250in./82.6mm	3
3815822	3.250in./82.6mm	3	3882849	3.766in./95.7mm	4	3930809	3.250in./82.6mm	3	N353039	4.000in./101.6mm	5
3832442	3.484in./88.5mm	2	3887114	3.766in./95.7mm	4	3932444	3.484in./88.5mm	2	N853039	4.000in./101.6mm	5
3835236TG	3.000in./76.2mm	1	3904815	3.766in./95.7mm	4	3941172	3.250in./82.6mm	2	N853638	4.000in./101.6mm	5
3836144	3.766in./95.7mm	4	3904816	3.766in./95.7mm	4	3941172	3.250in./82.6mm	3			
3836236	3.000in./76.2mm	1	3911000	3.250in./82.6mm	2	3941174	3.250in./82.6mm	2			
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL											
1	283 CID (4.6L) 283 Chevrolet V8 Cyl						3.875in./98.4mm x 3.000in./76.2mm				1
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60			1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420	
Main Bearing Set 1-2-3-4	TM-77	MS-429P	STD,1,10,20,30,40			2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070	
5		MB-3135P				2.2978/2.2988	0.0011/0.0041	0.0955	2.4906/2.4916	1.7180	
		MB-1769P(F)									
Cam Bearing Set 1	B-1	SH-287S	STD			1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500	
2		SH-290				1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500	
3-4		SH-288				1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500	
5		SH-287				1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.9500	
		SH-289									
NOTE: Thru 1963											
Cam Bearing Set 1	B-1	SH-290S	STD,10			1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500	
2-5		SH-290				1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500	
3-4		SH-288				1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500	
		SH-287									
NOTE: From 1964											
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S	STD			1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500	
		SH-1352									
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"											
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S	STD			1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500	
		SH-1401									
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"											
Rod Forging	3703526, 3703527, 3784000, 3815281										
C/S Forging	1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3835236TG										
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)										
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)										
Main Bearing	60 To 70 Lbs.Ft.										
2	305 CID (5.0L) 305 Chevrolet V8 Cyl						3.736in./95mm x 3.484in./88.5mm				2
	307 CID (5.0L) 307 Chevrolet V8 Cyl						3.875in./98.4mm x 3.250in./82.6mm				
	350 CID (5.7L) 295,315,350 Chevrolet V8 Cyl						4.000in./101.6mm x 3.484in./88.5mm				
Rod Bearing(8)	AL-5	CB-663A-10	20,30			2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420	
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60			2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420	
Rod Bearing(8)	AL-5	CB-1776A-10	20,30			2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock											
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40			2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock											
Main Bearing Set 1-2-3-4	AL-5	MS-909A-10	20,30			2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070	
5		MB-2508A				2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180	
		MB-2509A(F)									
Main Bearing Set 1-2-3-4	TM-77	MS-909P	STD,1,2,10,20,30,40,C60			2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070	
5		MB-2508P				2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180	
		MB-2509P(F)									
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing											



FLAGSHIP MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
2 (Cont.)	305 CID (5.0L) 305 Chevrolet V8 Cyl 307 CID (5.0L) 307 Chevrolet V8 Cyl 350 CID (5.7L) 295,315,350 Chevrolet V8 Cyl			3.736in./95mm x 3.484in./88.5mm 3.875in./98.4mm x 3.250in./82.6mm 4.000in./101.6mm x 3.484in./88.5mm				2 (Cont.)
Main Bearing Set 1-2-3-4 5	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
Cam Bearing Set 1 2-5 3-4	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3185281, 3703526, 3703527, 3784000, 3815281, 3892671, 3916396, 3923282, 3946841 1130, 1178, 1182, 2680, 2690, 3279, 4577, 4672, 306275, 306276, 310514, 3732444, 3832442, 3911000, 3911001, 3911011, 391101A, 3912335, 3914681, 3914682, 3930809, 3932444, 3941172, 3941174, 3941184, 4568749							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
3	327 CID (5.4L) 327 Chevrolet V8 Cyl			4.000in./101.6mm x 3.250in./82.6mm				3
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 2.000" Diameter Crankshaft Rod Journal	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Main Bearing Set 1-2-3-4 5	TM-77	MS-429P MB-3135P MB-1769P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2978/2.2988	0.0003/0.0033 0.0011/0.0041	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
NOTE: 2.298" Diameter Main Bearing Journals								
Main Bearing Set 1-2-3-4 5	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
NOTE: 2.448" Diameter Main Bearing Journals								
Main Bearing Set 1-2-3-4 5	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
NOTE: 2.448" Diameter Main Bearing Journals, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								



FLAGSHIP MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
3 (Cont.)	327 CID (5.4L) 327 Chevrolet V8 Cyl			4.000in./101.6mm x 3.250in./82.6mm				3 (Cont.)
Main Bearing Set 1-2-3-4 5	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: 2.448" Diameter Main Bearing Journals, Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: 2.448" Diameter Main Bearing Journals, Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: 2.448" Diameter Main Bearing Journals, Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3-4 5	B-1	SH-287S SH-290 SH-288 SH-287 SH-289	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644 0.0694	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500 0.9500
NOTE: Thru 1963								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: From 1964								
Cam Bearing Set 1 2-5 3-4	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: From 1964,Heavy Duty Engine								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3185281, 3703526, 3703527, 3784000, 3815281 1130, 1178, 1182, 2680, 3279, 4577, 4672, 3782680, 3782690, 3815822, 3911000, 3911001, 3911011, 391101A, 3914681, 3914682, 3930809, 3941172, 3941174, 5782680							
Connecting Rod Connecting Rod Main Bearing Main Bearing	35 Lbs.Ft. (11/32" Bolts) 45 Lbs.Ft. (3/8" Bolts) 60 To 70 Lbs.Ft. (2.298" Diameter Main Bearing Journals) 75 Lbs.Ft. (2.448" Diameter Main Bearing Journals)							
4	427 CID (7.0L) 427 Chevrolet V8 Cyl			4.250in./108mm x 3.766in./95.7mm				4
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4 5	AL-5	MS-829A-10 MB-2403A MB-2404A(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5	TM-77	MS-829P MB-2403P MB-2404P(F)	STD,1,10,20,30,40	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5	TM-77	MS-1745P-10 MB-2403P MB-3120P(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								



FLAGSHIP MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
4 (Cont.)	427 CID (7.0L) 427 Chevrolet V8 Cyl			4.250in./108mm x 3.766in./95.7mm				4 (Cont.)
Main Bearing Set 1-2-3-4 5	TM-77	MS-1748P-10 MB-3123P MB-2404P(F)	20	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.1087 0.0937	2.9570/2.9580 2.9370/2.9380	1.0440 1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set 1 2 3-4 5	B-1	SH-615S SH-615 SH-616 SH-617 SH-618	STD	1.9485/1.9495 1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847 0.0897	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205 2.1295/2.1305	0.8700 0.9900 0.9900 0.9900
NOTE: Thru 1966								
Cam Bearing Set 1 2-5 3-4	B-1	SH-616S SH-615 SH-616 SH-617	STD	1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205	0.8700 0.9900 0.9900
NOTE: From 1967								
Rod Forging C/S Forging	3856239, 3856240, 3933174 6223, 7115, 9115, 3804816, 3836144, 3863144, 3874874, 3882842, 3882847, 3882848, 3882849, 3887114, 3904815, 3904816, 3941180, 3942411							
Connecting Rod Main Bearing Main Bearing	45 To 55 Lbs.Ft. 110 To 120 Lbs.Ft. (High Performance Engine) 90 To 100 Lbs.Ft. (Except High Performance)							
5	454 CID (7.4L) 340,454 Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm				5
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4 5	AL-5	MS-829A-10 MB-2403A MB-2404A(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5	TM-77	MS-829P MB-2403P MB-2404P(F)	STD,1,10,20,30,40	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5	TM-77	MS-1745P-10 MB-2403P MB-3120P(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1748P-10 MB-3123P MB-2404P(F)	20	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.1087 0.0937	2.9570/2.9580 2.9370/2.9380	1.0440 1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set 1 2-5 3-4	B-1	SH-616S SH-615 SH-616 SH-617	STD	1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205	0.8700 0.9900 0.9900
Rod Forging C/S Forging	3856239, 3856240, 3933174 3521, 7416, 353039, 359730, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638							
Connecting Rod Main Bearing Main Bearing	45 To 55 Lbs.Ft. 110 To 120 Lbs.Ft. (High Performance Engine) 90 To 100 Lbs.Ft. (Except High Performance)							



FORD MARINE

ENGINE DATA

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
6 CYL			8 CYL (Cont.)		
Ford 300 CID (4.9L)	4.000in./101.6mmX3.980in./101.1mm	5	Ford 221 CID (3.6L)	3.500in./88.9mmX2.875in./73mm	6
Ford 144 CID (2.4L)	3.500in./88.9mmX2.500in./63.5mm	1	Ford 256 CID (4.2L)	3.625in./92.1mmX3.100in./78.7mm	7
Ford 170 CID (2.8L)	3.500in./88.9mmX2.938in./74.6mm	1	Ford 260 CID (4.3L)	3.800in./96.5mmX2.870in./72.9mm	6
Ford 250 CID (4.1L)	3.680in./93.5mmX3.906in./99.2mm	4	Ford 272 CID (4.5L)	3.625in./92.1mmX3.297in./83.8mm	7
OHV Ford 240 CID (4.0L)	4.000in./101.6mmX3.188in./80.98mm	3	Ford 292 CID (4.8L)	3.750in./95.3mmX3.297in./83.8mm	8
OHV Ford 200 CID (3.3L)	3.680in./93.5mmX3.125in./79.4mm	2	Ford 312 CID (5.1L)	3.800in./96.5mmX3.438in./87.3mm	9
8 CYL			Ford 312 CID (5.1L) Supercharged	3.800in./96.5mmX3.438in./87.3mm	9
5.8 Litre Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	Ford 352 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	12
223 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	Ford 390 CID (6.4L)	4.050in./102.9mmX3.781in./96mm	12
225TR11 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	Ford 534 CID (8.8L)	4.500in./114.3mmX4.200in./106.7mm	16
233 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	Boss Ford 429 CID (7.0L)	4.360in./110.7mmX3.590in./91.2mm	15
235 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	Cobra Jet Ford 429 CID (7.0L)	4.360in./110.7mmX3.590in./91.2mm	15
240 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	Cobra Jet Ford Cleveland 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	11
250 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	High Output Ford Cleveland 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	11
255 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	INTERCEPTOR Ford 352 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	13
260 Ford 289 CID (4.7L)	4.000in./101.6mmX2.870in./72.9mm	6	OHV Ford 239 CID (3.9L)	3.500in./88.9mmX3.100in./78.7mm	7
289 Ford 289 CID (4.7L)	4.000in./101.6mmX2.870in./72.9mm	6	OHV Ford 427 CID (7.0L)	4.233in./107.5mmX3.781in./96mm	14
302 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	6	Special Ford 429 CID (7.0L)	4.360in./110.7mmX3.590in./91.2mm	15
351 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	Super Cobra Jet Ford 429 CID (7.0L)	4.360in./110.7mmX3.590in./91.2mm	15
351/4 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	Super Express Ford 361 CID (5.9L)	4.050in./102.9mmX3.500in./88.9mm	13
351C Ford Cleveland 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	11	Thunder Jet Ford 429 CID (7.0L)	4.360in./110.7mmX3.590in./91.2mm	15
460 Ford 460 CID (7.5L)	4.360in./110.7mmX3.850in./97.8mm	15			
8240 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10			

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
B9TE	4.200in./106.7mm	16	C2AE-A	3.297in./83.8mm	8	C9DE-A	3.906in./99.2mm	4	DOAE-A	3.500in./88.9mm	11
B10	2.500in./63.5mm	1	C2AE-B	3.781in./96mm	12	C30E	2.500in./63.5mm	1	EBU	3.100in./78.7mm	7
B10	3.125in./79.4mm	2	C5AE-A	3.188in./80.98mm	3	C30E	3.125in./79.4mm	2	EBU	3.297in./83.8mm	7
B10	2.938in./74.6mm	1	C5TE	3.188in./80.98mm	3	C30E	2.938in./74.6mm	1	EBU	3.297in./83.8mm	8
C0AE	3.500in./88.9mm	12	C5TE-6303C	3.188in./80.98mm	3	C90E	3.500in./88.9mm	10	ECC	3.100in./78.7mm	7
C0AE	3.500in./88.9mm	13	C5TE-A	3.188in./80.98mm	3	CODE	2.500in./63.5mm	1	ECC	3.297in./83.8mm	7
C1AE-6205A	3.500in./88.9mm	12	C5TE-B	3.188in./80.98mm	3	CODE	3.125in./79.4mm	2	ECC	3.297in./83.8mm	8
C1AE-6205A	3.500in./88.9mm	13	C5TE-F	3.188in./80.98mm	3	CODE	2.938in./74.6mm	1	ECE	3.100in./78.7mm	7
C1AE-A	3.500in./88.9mm	12	C5TE-G	3.188in./80.98mm	3	D00E-A	3.590in./91.2mm	15	ECE	3.297in./83.8mm	7
C1AE-A	3.500in./88.9mm	13	C5TZ-A	3.188in./80.98mm	3	D6VE	3.590in./91.2mm	15	ECE	3.297in./83.8mm	8
C1AE-B	3.781in./96mm	12	C5TZ-B	3.188in./80.98mm	3	D8BE	3.125in./79.4mm	2	ECZ	3.438in./87.3mm	9
C1DE	2.500in./63.5mm	1	C7TE-A	3.500in./88.9mm	12	D8BE	2.938in./74.6mm	1	ECZ-6205B	3.438in./87.3mm	9
C1DE	3.125in./79.4mm	2	C7TE-A	3.500in./88.9mm	13	D8BE-6205	2.500in./63.5mm	1	EDC	3.100in./78.7mm	7
C1DE	2.938in./74.6mm	1	C8AE-A	3.188in./80.98mm	3	D8BE-6205	3.125in./79.4mm	2	EDC	3.297in./83.8mm	7
C1TE-C	3.297in./83.8mm	7	C8TE	3.188in./80.98mm	3	D8BE-6205	2.938in./74.6mm	1	EDC	3.297in./83.8mm	8
C1TE-C	3.297in./83.8mm	8	C8TE-A	3.188in./80.98mm	3	D8DE-AA	3.906in./99.2mm	4	EDC	3.500in./88.9mm	12
C2AE-A	3.100in./78.7mm	7	C8VE	3.590in./91.2mm	15	D9TE	3.590in./91.2mm	15	EDC	3.500in./88.9mm	13
C2AE-A	3.297in./83.8mm	7	C8VE-A	3.590in./91.2mm	15	D60E	3.500in./88.9mm	10	EDL	4.200in./106.7mm	16

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1F	2.500in./63.5mm	1	1NABC	3.188in./80.98mm	3	3C	3.500in./88.9mm	10	B5A-6303-B	3.297in./83.8mm	8
1F	3.125in./79.4mm	2	1V	3.590in./91.2mm	15	3M	3.500in./88.9mm	10	B5Q-6303-A	3.297in./83.8mm	8
1F	2.938in./74.6mm	1	1VA	3.590in./91.2mm	15	3MA	3.500in./88.9mm	10	B5S-6303-A	3.297in./83.8mm	8
1G	2.500in./63.5mm	1	1VAB	3.590in./91.2mm	15	4M	3.500in./88.9mm	11	B616	3.297in./83.8mm	8
1G	3.125in./79.4mm	2	1YAB	3.590in./91.2mm	15	4MA	3.500in./88.9mm	11	C0AE-B	3.500in./88.9mm	12
1G	2.938in./74.6mm	1	2H	3.906in./99.2mm	4	4MAB	3.500in./88.9mm	11	C0AE-B	3.500in./88.9mm	13
1H	2.500in./63.5mm	1	2H-A	3.906in./99.2mm	4	4U	3.590in./91.2mm	15	C1AE-A	3.781in./96mm	12
1H	3.125in./79.4mm	2	2HA	3.906in./99.2mm	4	4UA	3.590in./91.2mm	15	C1TE	3.297in./83.8mm	7
1H	2.938in./74.6mm	1	2HAB	3.906in./99.2mm	4	4UAB	3.590in./91.2mm	15	C1TE	3.297in./83.8mm	8
1HA	2.500in./63.5mm	1	2J	3.906in./99.2mm	4	4UB	3.590in./91.2mm	15	C1TE-6303-C	4.200in./106.7mm	16
1HA	3.125in./79.4mm	2	2N	3.906in./99.2mm	4	7M	3.500in./88.9mm	10	C1TE-6303C	4.200in./106.7mm	16
1HA	2.938in./74.6mm	1	2NA	3.906in./99.2mm	4	7MA	3.500in./88.9mm	10	C1TE-6303F1	3.297in./83.8mm	8
1L	3.188in./80.98mm	3	2NAB	3.906in./99.2mm	4	A	3.500in./88.9mm	12	C1TE-C	4.200in./106.7mm	16
1LA	3.188in./80.98mm	3	2NABC	3.906in./99.2mm	4	A	3.500in./88.9mm	13	C1TE-F1	3.297in./83.8mm	8
1LAB	3.188in./80.98mm	3	2T	3.500in./88.9mm	12	B3C7	3.297in./83.8mm	7	C1TE-F	3.297in./83.8mm	7
1N	3.188in./80.98mm	3	2T	3.500in./88.9mm	13	B4A-6303-B	3.297in./83.8mm	7	C1TE-F	3.297in./83.8mm	8
1NA	3.188in./80.98mm	3	2TA	3.500in./88.9mm	12	B4A-B	3.297in./83.8mm	7	C2AE-2	3.781in./96mm	12
1NAB	3.188in./80.98mm	3	2TA	3.500in./88.9mm	13	B5A-6303-B	3.297in./83.8mm	7	C2AE-A	3.297in./83.8mm	7



FORD MARINE (Cont.)											
CRANKSHAFT FORGING NUMBERS (Cont.)											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
C2AE-A	3.297in./83.8mm	8	C3OZ-B	2.870in./72.9mm	6	C8SE-A	3.590in./91.2mm	15	DOAE-A	3.500in./88.9mm	11
C2AE-B	3.781in./96mm	12	C3OZ-E	3.125in./79.4mm	2	C9AE-A	3.590in./91.2mm	15	EBU	3.100in./78.7mm	7
C2AE-D	3.781in./96mm	12	C4AE	3.500in./88.9mm	12	C9AE-B	3.590in./91.2mm	15	EBU-6303-A	3.100in./78.7mm	7
C2DE-A	2.500in./63.5mm	1	C4AE	3.500in./88.9mm	13	C9DE-A	3.906in./99.2mm	4	EC	3.297in./83.8mm	7
C2DE-A	3.125in./79.4mm	2	C5AE	3.500in./88.9mm	12	C9TE	3.297in./83.8mm	7	EC	3.297in./83.8mm	8
C2DE-A	2.938in./74.6mm	1	C5AE	3.500in./88.9mm	13	C9TE-A	3.297in./83.8mm	8	ECE	3.438in./87.3mm	9
C2OZ	2.875in./73mm	6	C5DE-A	2.500in./63.5mm	1	C30E-A	2.500in./63.5mm	1	ECG	3.438in./87.3mm	9
C2OZ	2.870in./72.9mm	6	C5DE-A	3.125in./79.4mm	2	C30E-A	3.125in./79.4mm	2	ECG-6303-B	3.297in./83.8mm	8
C2OZ-B	2.870in./72.9mm	6	C5DE-A	2.938in./74.6mm	1	C30E-A	2.938in./74.6mm	1	ECK	3.438in./87.3mm	9
C2TE-A	4.200in./106.7mm	16	C5TE	3.188in./80.98mm	3	C30Z-A	2.500in./63.5mm	1	ECK-6303-B	3.297in./83.8mm	8
C2TE-B	4.200in./106.7mm	16	C5TE-6303C	3.188in./80.98mm	3	C30Z-A	3.125in./79.4mm	2	ECZ	3.438in./87.3mm	9
C3AE	3.500in./88.9mm	12	C5TE-B	3.188in./80.98mm	3	C30Z-A	2.938in./74.6mm	1	EDD	3.500in./88.9mm	12
C3AE	3.500in./88.9mm	13	C5TE-C	3.188in./80.98mm	3	C30Z-E	2.500in./63.5mm	1	EDD	3.500in./88.9mm	13
C3AE-B	3.781in./96mm	12	C5TE-F	3.188in./80.98mm	3	C30Z-E	3.125in./79.4mm	2	EDN	4.200in./106.7mm	16
C3AE-C	3.781in./96mm	12	C5TE-G	3.188in./80.98mm	3	C30Z-E	2.938in./74.6mm	1	EDN-6303-A	4.200in./106.7mm	16
C3AE-E	3.781in./96mm	12	C5TZ-A	3.188in./80.98mm	3	C90E-A	3.500in./88.9mm	10	EDN-6303A	4.200in./106.7mm	16
C3AF-N	2.870in./72.9mm	6	C5TZ-B	3.188in./80.98mm	3	CTR-CB	2.500in./63.5mm	1	H	3.590in./91.2mm	15
C3OE-A	3.125in./79.4mm	2	C6AE-E	3.188in./80.98mm	3	CTR-CB	2.938in./74.6mm	1	ZYA	3.590in./91.2mm	15
C3OZ	2.870in./72.9mm	6	C6TE-6303G	3.188in./80.98mm	3	D9TE-AA	3.590in./91.2mm	15			
C3OZ-A	3.125in./79.4mm	2	C6TE-G	3.188in./80.98mm	3	D9TE-EA	3.590in./91.2mm	15			
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL											
1	144 CID (2.4L) Ford 6 Cyl (1960-1964)					3.500in./88.9mm x 2.500in./63.5mm					1
	170 CID (2.8L) Ford 6 Cyl (1961-1973)					3.500in./88.9mm x 2.938in./74.6mm					
Rod Bearing(6)	TM-77	CB-583P	STD,1,10,20,30,40,G60			2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100	
Main Bearing Set	TM-77	MS-518G	STD,10,20,30,40								
1-2-4		MB-2002G				2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.0200	
3		MB-2003G(F)				2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.2710	
Cam Bearing Set	B-1	SH-703S	STD								
1		SH-703				1.8095/1.8105	0.0010/0.0050	0.0833	1.9780/1.9790	0.7300	
2		SH-412				1.8095/1.8105	0.0010/0.0050	0.0758	1.9630/1.9640	0.7300	
3		SH-413				1.8095/1.8105	0.0010/0.0050	0.0683	1.9480/1.9490	0.7300	
4		SH-414				1.8095/1.8105	0.0010/0.0050	0.0608	1.9330/1.9340	0.7300	
Rod Forging	B10, C1DE, C30E, CODE, D8BE, D8BE-6205										
C/S Forging	1F, 1G, 1H, 1HA, C2DE-A, C30E-A, C30Z-A, C30Z-E, C5DE-A, CTR-CB										
Connecting Rod	19 To 24 Lbs.Ft.										
Main Bearing	60 To 70 Lbs.Ft.										
2	200 CID (3.3L) OHV Ford 6 Cyl (1964-1983)					3.680in./93.5mm x 3.125in./79.4mm					2
Rod Bearing(6)	TM-77	CB-583P	STD,1,10,20,30,40,G60			2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100	
Main Bearing Set	TM-77	MS-518G	STD,10,20,30,40								
1-2-4		MB-2002G				2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.0200	
3		MB-2003G(F)				2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.2710	
NOTE: Engines With 4 Main Bearings											
Main Bearing Set	TM-77	MS-771G	STD,10,20,30,40								
1-2-3-4-6-7		MB-2002G				2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.0200	
5		MB-2003G(F)				2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.2710	
NOTE: 1965-1975, Thru 5/1/75,Engines With 7 Main Bearings, Contains Full Grooved Bearings											
Main Bearing Set	TM-77	MS-1389AL	STD,10,20,30,40								
1-2-3-4-6-7		MB-2692AL				2.2482/2.2490	0.0007/0.0033	0.0760	2.4012/2.4020	1.0200	
5		MB-2693AL(F)				2.2482/2.2490	0.0007/0.0033	0.0760	2.4012/2.4020	1.2710	
NOTE: From 5/2/75,Engines With 7 Main Bearings, Contains Partial Grooved Main Bearings											
Cam Bearing Set	B-1	SH-703S	STD								
1		SH-703				1.8095/1.8105	0.0010/0.0050	0.0833	1.9780/1.9790	0.7300	
2		SH-412				1.8095/1.8105	0.0010/0.0050	0.0758	1.9630/1.9640	0.7300	
3		SH-413				1.8095/1.8105	0.0010/0.0050	0.0683	1.9480/1.9490	0.7300	
4		SH-414				1.8095/1.8105	0.0010/0.0050	0.0608	1.9330/1.9340	0.7300	
Rod Forging	B10, C1DE, C30E, CODE, D8BE, D8BE-6205										
C/S Forging	1F, 1G, 1H, 1HA, C2DE-A, C30E-A, C30Z-A, C30Z-E, C30E-A, C30Z-A, C30Z-E, C5DE-A										
Connecting Rod	19 To 24 Lbs.Ft.										
Main Bearing	60 To 70 Lbs.Ft.										



FORD MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
3	240 CID (4.0L) OHV Ford 6 Cyl				4.000in./101.6mm x 3.188in./80.98mm			3
Rod Bearing(6)	TM-77	CB-699P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0002/0.0028	0.0756	2.2750/2.2758	0.8000
Rod Bearing(6)	TM-77	CB-1799P-10	20,30,40	2.1228/2.1236	0.0002/0.0028	0.0766	2.2770/2.2778	0.8000
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-765P	STD,10,30					
1-2-3-4-6-7		MB-2553P		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	0.9700
5		MB-2296P(F)		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	1.1950
NOTE: Thru 1965,Engines With 3.368" Main Bearing Flange Outside Diameter								
Main Bearing Set	TM-77	MS-979P	STD,1,10,20,30,40,C60					
1-2-3-4-6-7		MB-2553P		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	0.9700
5		MB-2554P(F)		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	1.1950
NOTE: From 1966,Engines With 3.567" Main Bearing Flange Outside Diameter, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set	AL-3	SH-567S	STD,10					
1-2-3-4		SH-567		2.0170/2.0180	0.0010/0.0050	0.0625	2.1440/2.1450	0.8700
Rod Forging	C5TE, C8TE, C5AE-A, C5TE-A, C5TE-B, C5TE-F, C5TE-G, C5TZ-A, C5TZ-B, C8AE-A, C8TE-A, C5TE-6303C							
C/S Forging	1L, 1N, 1LA, 1NA, 1LAB, 1NAB, C5TE, 1NABC, C5TE-B, C5TE-C, C5TE-F, C5TE-G, C5TZ-A, C5TZ-B, C6AE-E, C6TE-G, C5TE-6303C, C6TE-6303G							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
4	250 CID (4.1L) Ford 6 Cyl (1969-1980)				3.680in./93.5mm x 3.906in./99.2mm			4
Rod Bearing(6)	TM-77	CB-583P	STD,1,10,20,30,40,G60	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Main Bearing Set	TM-77	MS-979P	STD,1,10,20,30,40,C60					
1-2-3-4-6-7		MB-2553P		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	0.9700
5		MB-2554P(F)		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	1.1950
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-703S	STD					
1		SH-703		1.8095/1.8105	0.0010/0.0050	0.0833	1.9780/1.9790	0.7300
2		SH-412		1.8095/1.8105	0.0010/0.0050	0.0758	1.9630/1.9640	0.7300
3		SH-413		1.8095/1.8105	0.0010/0.0050	0.0683	1.9480/1.9490	0.7300
4		SH-414		1.8095/1.8105	0.0010/0.0050	0.0608	1.9330/1.9340	0.7300
Rod Forging	C9DE-A, D8DE-AA							
C/S Forging	2H, 2J, 2N, 2HA, 2NA, 2H-A, 2HAB, 2NAB, 2NABC, C9DE-A							
Connecting Rod	21 To 26 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
5	300 CID (4.9L) Ford 6 Cyl				4.000in./101.6mm x 3.980in./101.1mm			5
Rod Bearing(6)	TM-77	CB-699P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0002/0.0028	0.0756	2.2750/2.2758	0.8000
Rod Bearing(6)	TM-77	CB-1799P-10	20,30,40	2.1228/2.1236	0.0002/0.0028	0.0766	2.2770/2.2778	0.8000
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-765P	STD,10,30					
1-2-3-4-6-7		MB-2553P		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	0.9700
5		MB-2296P(F)		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	1.1950
NOTE: Thru 1965,Engines With 3.368" Main Bearing Flange Outside Diameter								
Main Bearing Set	TM-77	MS-979P	STD,1,10,20,30,40,C60					
1-2-3-4-6-7		MB-2553P		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	0.9700
5		MB-2554P(F)		2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	1.1950
NOTE: From 1966,Engines With 3.567" Main Bearing Flange Outside Diameter, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set	AL-3	SH-567S	STD,10					
1-2-3-4		SH-567		2.0170/2.0180	0.0010/0.0050	0.0625	2.1440/2.1450	0.8700
NOTE: Thru 5/14/85								
Cam Bearing Set	AL-3	SH-1254S	STD					
1-4		SH-1254		2.0170/2.0180	0.0010/0.0050	0.0695	2.1580/2.1589	0.8700
2-3		SH-567		2.0170/2.0180	0.0010/0.0050	0.0625	2.1440/2.1450	0.8700
NOTE: From 5/15/85								
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							



FORD MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL								
6	221 CID (3.6L) Ford V8 Cyl			3.500in./88.9mm x 2.875in./73mm				6
	260 CID (4.3L) Ford V8 Cyl			3.800in./96.5mm x 2.870in./72.9mm				
	289 CID (4.7L) 260,289 Ford V8 Cyl			4.000in./101.6mm x 2.870in./72.9mm				
	302 CID (5.0L) 302 Ford V8 Cyl			4.000in./101.6mm x 3.000in./76.2mm				
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-590A-10	20,30					
1-2-4-5		MB-2121A		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122A(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-590P	STD,1,10,20,30,40					
1-2-4-5		MB-2121P		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-1746P-10	20,30					
1-2-4-5		MB-2121P		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-3124P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-510S	STD					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
C/S Forging C20Z, C30Z, C20Z-B, C3AF-N, C30Z-B								
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
7	239 CID (3.9L) OHV Ford V8 Cyl			3.500in./88.9mm x 3.100in./78.7mm				7
	256 CID (4.2L) Ford V8 Cyl			3.625in./92.1mm x 3.100in./78.7mm				
	272 CID (4.5L) Ford V8 Cyl			3.625in./92.1mm x 3.297in./83.8mm				
Rod Bearing(8)	TM-77	CB-461P	STD,1,10,20,30,40,50,C60	2.1880/2.1888	0.0005/0.0020	0.0617	2.3120/2.3128	0.7460
Main Bearing Set	TM-77	MS-178P	STD,10,20,30,40					
1-2-4-5		MB-1575P		2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	0.9120
3		MB-1621P(F)		2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	1.1200
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-559S	STD,10					
1		SH-285		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.8900
2-3-4-5		SH-559		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.6300
NOTE: Grooved Number 3 Camshaft Journal								
Piston Pin	B	223-3451	STD			0.0360	0.8115/0.8125	1.3220
Bushing(8)								
NOTE: Requires Light Reaming								
Rod Forging	EBU, ECC, ECE, EDC, C1TE-C, C2AE-A							
C/S Forging	EC, EBU, B3C7, C1TE, C9TE, B4A-B, C1TE-F, C2AE-A, B4A-6303-B, B5A-6303-B, EBU-6303-A							
Connecting Rod	45 To 50 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
8	292 CID (4.8L) Ford V8 Cyl (1955-1962)			3.750in./95.3mm x 3.297in./83.8mm				8
Rod Bearing(8)	TM-77	CB-461P	STD,1,10,20,30,40,50,C60	2.1880/2.1888	0.0005/0.0020	0.0617	2.3120/2.3128	0.7460
NOTE: 1955-1962								
Main Bearing Set	TM-77	MS-178P	STD,10,20,30,40					
1-2-4-5		MB-1575P		2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	0.9120
3		MB-1621P(F)		2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	1.1200
NOTE: 1955-1962, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-559S	STD,10					
1		SH-285		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.8900
2-3-4-5		SH-559		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.6300
NOTE: 1955-1962, Grooved Number 3 Camshaft Journal								



FORD MARINE (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)									
8 (Cont.)	292 CID (4.8L) Ford V8 Cyl (1955-1962)				3.750in./95.3mm x 3.297in./83.8mm				8 (Cont.)
Piston Pin Bushing(8)	C-1	223-3515	STD				0.0365	0.9730/0.9750	1.2000
NOTE: 1961-1962, Requires Light Reaming, 1.190" Length									
Piston Pin Bushing(8)	B	223-3546	STD				0.0411	0.9730/0.9750	1.2500
NOTE: 1955-1960, Requires Boring, 1.240" Length									
Rod Forging	EBU, ECC, ECE, EDC, C1TE-C, C2AE-A								
C/S Forging	EC, B616, C1TE, C1TE-F, C2AE-A, C9TE-A, C1TE-F1, B5A-6303-B, B5Q-6303-A, B5S-6303-A, ECG-6303-B, ECK-6303-B, C1TE-6303F1								
Connecting Rod	45 To 50 Lbs.Ft.								
Main Bearing	95 To 105 Lbs.Ft.								
9	312 CID (5.1L) Ford Supercharged V8 Cyl (1957)				3.800in./96.5mm x 3.438in./87.3mm				9
Rod Bearing(8)	TM-77	CB-461P	STD,1,10,20,30,40,50,C60		2.1880/2.1888	0.0005/0.0020	0.0617	2.3120/2.3128	0.7460
Main Bearing Set	TM-77	MS-195P-10	20						
1-2-4-5		MB-1717P			2.6235/2.6243	0.0005/0.0029	0.0959	2.8160/2.8168	0.8720
3		MB-1718P(F)			2.6235/2.6243	0.0005/0.0029	0.0959	2.8160/2.8168	1.1200
Cam Bearing Set	B-1	SH-559S	STD,10						
1		SH-285			1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.8900
2-3-4-5		SH-559			1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.6300
Piston Pin Bushing(8)	B	223-3546	STD				0.0411	0.9730/0.9750	1.2500
NOTE: Requires Boring									
Rod Forging	ECZ, ECZ-6205B								
C/S Forging	ECE, ECG, ECK, ECZ								
Connecting Rod	40 To 45 Lbs.Ft.								
Main Bearing	95 To 105 Lbs.Ft.								
10	351 CID (5.8L) 223,225TR11,233,235,240,250,255,351,351/4,5.8 Litre,8240 Ford Windsor V8 Cyl				4.000in./101.6mm x 3.500in./88.9mm				10
Rod Bearing(8)	AL-5	CB-831A-10	20,30		2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40		2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30		2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40		2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	TM-77	MS-981P	STD,1,10,20,30,40						
1-2-4-5		MB-2557P			2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558P(F)			2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Thru 1976, Full Grooved Main Bearings									
Main Bearing Set	AL-5	MS-1432A-10	20,30						
1-2-4-5		MB-2754A			2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558A(F)			2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings									
Main Bearing Set	TM-77	MS-1432P	STD,1,10,20,30,40						
1-2-4-5		MB-2754P			2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB2558P(F)			2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings									
Cam Bearing Set	B-1	SH-510S	STD						
1		SH-510			2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511			2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512			2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513			2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514			2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Connecting Rod	40 To 45 Lbs.Ft.								
Main Bearing	95 To 105 Lbs.Ft.								
11	351 CID (5.8L) 351C Ford Cleveland V8 Cyl (1970-1974)				4.000in./101.6mm x 3.500in./88.9mm				11
	351 CID (5.8L) Cobra Jet Ford Cleveland V8 Cyl (1973-1974)				4.000in./101.6mm x 3.500in./88.9mm				
	351 CID (5.8L) High Output Ford Cleveland V8 Cyl (1972)				4.000in./101.6mm x 3.500in./88.9mm				
Rod Bearing(8)	TM-77	CB-927P	STD,1,10,20,30,40		2.3103/2.3111	0.0005/0.0031	0.0625	2.4361/2.4369	0.7260



FORD MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
11 (Cont.)	351 CID (5.8L) 351C Ford Cleveland V8 Cyl (1970-1974)			4.000in./101.6mm x 3.500in./88.9mm				11 (Cont.)
	351 CID (5.8L) Cobra Jet Ford Cleveland V8 Cyl (1973-1974)			4.000in./101.6mm x 3.500in./88.9mm				
	351 CID (5.8L) High Output Ford Cleveland V8 Cyl (1972)			4.000in./101.6mm x 3.500in./88.9mm				
Main Bearing Set 1-2-4-5 3	TM-77	MS-1010P MB-2560P MB-2561P(F)	STD,10,20,30	2.7484/2.7492 2.7484/2.7492	0.0005/0.0030 0.0005/0.0030	0.0962 0.0962	2.9417/2.9425 2.9417/2.9425	0.8800 1.1180
Cam Bearing Set 1 2 3 4 5	B-1	SH-710S SH-710 SH-511 SH-512 SH-513 SH-514	STD	2.1240/2.1250 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0005/0.0045 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0619 0.0608 0.0608 0.0608 0.0608	2.2495/2.2505 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700
Rod Forging C/S Forging	DOAE-A 4M, 4MA, 4MAB, DOAE-A							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.							
12	352 CID (5.8L) Ford V8 Cyl (1958-1966)			4.000in./101.6mm x 3.500in./88.9mm				12
	390 CID (6.4L) Ford V8 Cyl (1961-1971)			4.050in./102.9mm x 3.781in./96mm				
Rod Bearing(8)	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
Rod Bearing(8)	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	TM-77	MS-445P MB-2441P MB-1825P(F)	STD,10,20	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0007/0.0033	0.0961 0.0958	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
NOTE: 390 CID (6.4L)(1961-1963), 352 CID (5.8L)(1958-1963), Contains 3.614"/3.684" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Main Bearing Set 1-2-4-5 3	TM-77	MS-685P MB-2441P MB-2235P(F)	STD,1,10,20,30,40,C60	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0009/0.0035	0.0961 0.0957	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
NOTE: 390 CID (6.4L)(1964-1965), 352 CID (5.8L)(1964-1965), .060" Undersize Set Contains .019" Oversize Length Flange Bearing,Contains 3.764"/3.824" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Main Bearing Set 1-2-4-5 3	TM-77	MS-863P MB-2441P MB-2442P(F)	STD,1,10,20,30,40	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0005/0.0032	0.0961 0.0961	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
NOTE: 390 CID (6.4L)(1966-1971), 352 CID (5.8L)(1966), .060" Undersize Set Contains .015" Oversize Length Flanged Bearing,Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Cam Bearing Set 1 2 3 4 5	B-1	SH-781S SH-781 SH-377 SH-378 SH-379 SH-380	STD	2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0919 0.0844 0.0769 0.0694 0.0619	2.3095/2.3105 2.2945/2.2955 2.2795/2.2805 2.2645/2.2655 2.2495/2.2505	0.6300 0.6300 0.6300 0.6300 0.5700
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: 390 CID (6.4L)(1961-1963), 352 CID (5.8L)(1958-1966), Except Special 4 Barrel Carburetor, Requires Light Reaming								
Rod Forging C/S Forging	EDC, C0AE, C1AE-A, C1AE-B, C2AE-B, C7TE-A, C1AE-6205A A, 2T, 2TA, EDD, C3AE, C4AE, C5AE, C0AE-B, C1AE-A, C2AE-2, C2AE-B, C2AE-D, C3AE-B, C3AE-C, C3AE-E							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.							
13	352 CID (5.8L) INTERCEPTOR Ford V8 Cyl (1960)			4.000in./101.6mm x 3.500in./88.9mm				13
	361 CID (5.9L) Super Express Ford V8 Cyl (1958-1959)			4.050in./102.9mm x 3.500in./88.9mm				
Rod Bearing(8)	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
Rod Bearing(8)	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	TM-77	MS-445P MB-2441P MB-1825P(F)	STD,10,20	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0007/0.0033	0.0961 0.0958	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
NOTE: Contains 3.614"/3.684" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								



FORD MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
13 (Cont.)	352 CID (5.8L) INTERCEPTOR Ford V8 Cyl (1960)			4.000in./101.6mm x 3.500in./88.9mm				13 (Cont.)
	361 CID (5.9L) Super Express Ford V8 Cyl (1958-1959)			4.050in./102.9mm x 3.500in./88.9mm				
Cam Bearing Set	B-1	SH-781S	STD					
1		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-377		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-378		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-379		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-380		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: Requires Light Reaming								
Rod Forging	EDC, C0AE, C1AE-A, C7TE-A, C1AE-6205A							
C/S Forging	A, 2T, 2TA, EDD, C3AE, C4AE, C5AE, C0AE-B							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
14	427 CID (7.0L) OHV Ford V8 Cyl			4.233in./107.5mm x 3.781in./96mm				14
Rod Bearing(8)	TM-77	CB-756P	STD,10,20	2.4380/2.4388	0.0024/0.0050	0.0750	2.5907/2.5915	0.7460
NOTE: Thru 1967,Except Engines With C7OE-6200A Connecting Rod And C9AZ-6303D Crankshaft								
Rod Bearing(8)	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
NOTE: From 1968,Except Engines With Connecting Rod C7OE-2700A And Crankshaft C9AZ-6303D								
Rod Bearing(8)	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: From 1968,Except Engines With Connecting Rod C7OE-2700A And Crankshaft C9AZ-6303D,Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-445P	STD,10,20					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-1825P(F)		2.7484/2.7492	0.0007/0.0033	0.0958	2.9412/2.9420	1.1180
NOTE: Thru 1963, Contains 3.614"/3.684" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Main Bearing Set	TM-77	MS-685P	STD,1,10,20,30,40,C60					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2235P(F)		2.7484/2.7492	0.0009/0.0035	0.0957	2.9412/2.9420	1.1180
NOTE: From 1964,Thru 1965, .060" Undersize Set Contains .019" Oversize Length Flange Bearing,Contains 3.764"/3.824" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Main Bearing Set	TM-77	MS-863P	STD,1,10,20,30,40					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2442P(F)		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	1.1180
NOTE: From 1966, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing,Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Cam Bearing Set	B-1	SH-643S	STD					
1		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-643		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-644		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-645		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-646		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
NOTE: From 1966,Wedge Head Engine								
Cam Bearing Set	B-1	SH-781S	STD					
1		SH-781		2.1238/2.1248	0.0010/0.0050	0.0919	2.3095/2.3105	0.6300
2		SH-377		2.1238/2.1248	0.0010/0.0050	0.0844	2.2945/2.2955	0.6300
3		SH-378		2.1238/2.1248	0.0010/0.0050	0.0769	2.2795/2.2805	0.6300
4		SH-379		2.1238/2.1248	0.0010/0.0050	0.0694	2.2645/2.2655	0.6300
5		SH-380		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.5700
NOTE: Thru 1965								
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: Thru 1963, Requires Light Reaming								
Connecting Rod	53 To 58 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							



FORD MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
15	429 CID (7.0L) Boss Ford V8 Cyl (1970)				4.360in./110.7mm x 3.590in./91.2mm			15
	429 CID (7.0L) Cobra Jet Ford V8 Cyl (1970-1973)				4.360in./110.7mm x 3.590in./91.2mm			
	429 CID (7.0L) Special Ford V8 Cyl (1969-1970)				4.360in./110.7mm x 3.590in./91.2mm			
	429 CID (7.0L) Super Cobra Jet Ford V8 Cyl (1971)				4.360in./110.7mm x 3.590in./91.2mm			
	429 CID (7.0L) Thunder Jet Ford V8 Cyl (1968-1973)				4.360in./110.7mm x 3.590in./91.2mm			
	460 CID (7.5L) 460 Ford V8 Cyl (1968-1978)				4.360in./110.7mm x 3.850in./97.8mm			
Rod Bearing(8) TM-77 CB-818P STD,1,10,20,30,40 NOTE: Except Engine Tag 820S				2.4992/2.5000	0.0005/0.0031	0.0761	2.6522/2.6530	0.8660
Rod Bearing(8) TM-77 CB-1802P-10 20,30 NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock,Except Engine Tag 820S				2.4992/2.5000	0.0005/0.0031	0.0771	2.6542/2.6550	0.8660
Main Bearing Set TM-77 MS-1039P STD,1,10,20,30,40 1-2-4-5 MB-2564P 3 MB-2565P(F)				2.9994/3.0002 2.9994/3.0002	0.0007/0.0033 0.0007/0.0033	0.0958 0.0958	3.1922/3.1930 3.1922/3.1930	0.9500 1.1200
Cam Bearing Set AL-3 SH-1111S STD,10 1-2-3-4-5 SH-1111				2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.6000
Cam Bearing Set AL-3 SH-1766S STD 1-2-3-4-5 SH-1766 NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.2645"/2.2655"				2.1238/2.1248	0.0011/0.0050	0.0694	2.2645/2.2655	0.6300
Rod Forging C8VE, D6VE, D9TE, C8VE-A, D00E-A C/S Forging H, 1V, 4U, 1VA, 4UA, 4UB, ZYA, 1VAB, 1YAB, 4UAB, C8SE-A, C9AE-A, C9AE-B, D9TE-AA, D9TE-EA								
Connecting Rod 40 To 45 Lbs.Ft. Main Bearing 95 To 105 Lbs.Ft.								
16	534 CID (8.8L) Ford V8 Cyl (1958-1981)				4.500in./114.3mm x 4.200in./106.7mm			16
Rod Bearing(8) TM-77 CB-615P STD,10,20,30,C40,C60 NOTE: 1960-1981, 2.710" Diameter Connecting Rod Journal				2.7092/2.7100	0.0013/0.0039	0.0962	2.9032/2.9040	0.8920
Main Bearing Set TM-77 MS-443P STD,10,20,30 1-2-4-5 MB-1820P 3 MB-1821P(F) NOTE: 1958-1981				3.1246/3.1254 3.1246/3.1254	0.0013/0.0039 0.0009/0.0035	0.0956 0.0958	3.3176/3.3184 3.3176/3.3184	1.1050 1.2730
Cam Bearing Set B-1 SH-369S STD 1 SH-369 2-3-4-5 SH-370 NOTE: 1958-1981				2.4740/2.4750 2.3700/2.3710	0.0010/0.0050 0.0010/0.0050	0.0630 0.0630	2.6020/2.6030 2.4980/2.4990	0.6800 0.6800
Piston Pin C-1 223-3504 STD Bushing(8) NOTE: 1958-1981, Requires Light Reaming						0.0480	1.3040/1.3060	1.5400
Rod Forging EDL, B9TE C/S Forging EDN, C1TE-C, C2TE-A, C2TE-B, EDN-6303A, C1TE-6303C, EDN-6303-A, C1TE-6303-C								
Connecting Rod 60 To 65 Lbs.Ft. Main Bearing 150 Lbs.Ft.								
GENERAL MOTORS MARINE								
ENGINE DATA								
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block			
4 CYL			8 CYL (Cont.)					
Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	1	Mark IV 465 Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	10			
			Mark IV Bravo Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	10			
			Mark IV Magnum Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	10			
260 Oldsmobile 350 CID (5.7L)	4.057in./103mmX3.385in./86mm	5	Mark V 465 Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	10			
280 Oldsmobile 350 CID (5.7L)	4.057in./103mmX3.385in./86mm	5	Mark V 500 Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	10			
283 Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	2	Mark V Bravo Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	10			
455 Oldsmobile 455 CID (7.5L)	4.125in./104.8mmX4.250in./108mm	8	Mark V MIE Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	10			
Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	3	Mark V Magnum Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	10			
Chevrolet 427 CID (7.0L)	4.250in./108mmX3.766in./95.7mm	7						
Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	4	Vortec 8100 L18 OHV Chevrolet 496 CID/8135CC (8.1L)	4.252in./108mmX4.370in./111mm	9			
Carbureted Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	3						
L80 Oldsmobile 403 CID (6.6L)	4.351in./110.5mmX3.385in./86mm	6						



GENERAL MOTORS MARINE (Cont.)

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
0997	3.385in./86mm	6	3185281	3.250in./82.6mm	3	3703527	3.250in./82.6mm	4	3856239	3.766in./95.7mm	7
380282	3.385in./86mm	6	3185281	3.250in./82.6mm	4	3784000	3.250in./82.6mm	3	3856240	3.766in./95.7mm	7
380283	3.385in./86mm	6	3703526	3.250in./82.6mm	3	3784000	3.000in./76.2mm	2	3892671	3.484in./88.5mm	3
380383	3.385in./86mm	6	3703526	3.000in./76.2mm	2	3784000	3.250in./82.6mm	4	3916396	3.484in./88.5mm	3
384759	4.250in./108mm	8	3703526	3.250in./82.6mm	4	3815281	3.250in./82.6mm	3	3923282	3.484in./88.5mm	3
398410	3.385in./86mm	6	3703527	3.250in./82.6mm	3	3815281	3.000in./76.2mm	2	3933174	3.766in./95.7mm	7
410997	3.385in./86mm	6	3703527	3.000in./76.2mm	2	3815281	3.250in./82.6mm	4	3946841	3.484in./88.5mm	3

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1130	3.250in./82.6mm	3	230905	3.385in./86mm	6	3727449	3.000in./76.2mm	2	3904815	3.766in./95.7mm	7
1130	3.250in./82.6mm	4	230907	4.250in./108mm	8	3727499	3.000in./76.2mm	2	3904816	3.766in./95.7mm	7
1178	3.250in./82.6mm	3	230908	4.250in./108mm	8	3729449	3.000in./76.2mm	2	3911000	3.250in./82.6mm	3
1178	3.000in./76.2mm	2	306275	3.484in./88.5mm	3	3732444	3.484in./88.5mm	3	3911000	3.250in./82.6mm	4
1178	3.250in./82.6mm	4	306276	3.484in./88.5mm	3	3734627	3.000in./76.2mm	2	3911001	3.250in./82.6mm	3
1182	3.484in./88.5mm	3	310514	3.484in./88.5mm	3	3735236	3.000in./76.2mm	2	3911001	3.250in./82.6mm	4
1182	3.250in./82.6mm	4	381269	3.385in./86mm	6	3782680	3.250in./82.6mm	4	3911011	3.250in./82.6mm	3
2680	3.250in./82.6mm	3	381919	3.385in./86mm	6	3782690	3.250in./82.6mm	4	3911011	3.250in./82.6mm	4
2680	3.250in./82.6mm	4	388766	3.385in./86mm	6	3804816	3.766in./95.7mm	7	3912335	3.484in./88.5mm	3
2690	3.484in./88.5mm	3	390275	3.385in./86mm	6	3815822	3.250in./82.6mm	4	3914681	3.250in./82.6mm	3
3279	3.250in./82.6mm	3	391101A	3.250in./82.6mm	3	3832442	3.484in./88.5mm	3	3914681	3.250in./82.6mm	4
3279	3.000in./76.2mm	2	391101A	3.250in./82.6mm	4	3835236TG	3.000in./76.2mm	2	3914682	3.250in./82.6mm	3
3279	3.250in./82.6mm	4	393654	3.385in./86mm	6	3836144	3.766in./95.7mm	7	3914682	3.250in./82.6mm	4
4577	3.250in./82.6mm	3	395654	3.385in./86mm	6	3836236	3.000in./76.2mm	2	3930809	3.250in./82.6mm	3
4577	3.250in./82.6mm	4	397303	4.250in./108mm	8	3836266	3.000in./76.2mm	2	3930809	3.250in./82.6mm	4
4672	3.250in./82.6mm	3	397363	4.250in./108mm	8	3837266	3.000in./76.2mm	2	3932444	3.484in./88.5mm	3
4672	3.250in./82.6mm	4	398261	3.385in./86mm	6	3838266	3.000in./76.2mm	2	3941172	3.250in./82.6mm	3
6223	3.766in./95.7mm	7	398621	3.385in./86mm	6	3849847	3.000in./76.2mm	2	3941172	3.250in./82.6mm	4
6764	3.000in./76.2mm	2	400934	4.250in./108mm	8	3874874	3.766in./95.7mm	7	3941174	3.250in./82.6mm	3
7115	3.766in./95.7mm	7	403707	4.250in./108mm	8	3876764	3.000in./76.2mm	2	3941174	3.250in./82.6mm	4
9115	3.766in./95.7mm	7	405954	4.250in./108mm	8	3876768	3.000in./76.2mm	2	3941180	3.766in./95.7mm	7
230276	3.385in./86mm	6	418882	3.385in./86mm	6	3882842	3.766in./95.7mm	7	3941184	3.484in./88.5mm	3
230331	4.250in./108mm	8	556607	3.385in./86mm	6	3882847	3.766in./95.7mm	7	3942411	3.766in./95.7mm	7
230376	3.385in./86mm	6	1235419	3.385in./86mm	6	3882848	3.766in./95.7mm	7	4568749	3.484in./88.5mm	3
230377	4.250in./108mm	8	1375802	3.385in./86mm	6	3882849	3.766in./95.7mm	7	5782680	3.250in./82.6mm	4
230378	4.250in./108mm	8	1398346	3.385in./86mm	6	3887114	3.766in./95.7mm	7			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	181 CID (3.0L) Chevrolet 4 Cyl			4.000in./101.6mm x 3.600in./91.4mm				1
Rod Bearing(4)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(4)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(4)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(4)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4	TM-77	MS-1733P	STD,1,10,20,30,40	2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
5		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
		MB-2588P(F)						
Cam Bearing Set 1-2-3	AL-3	SH-1030S	STD,10	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
		SH-400						
8 CYL								
2	283 CID (4.6L) 283 Chevrolet V8 Cyl			3.875in./98.4mm x 3.000in./76.2mm				2
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set 1-2-3-4	TM-77	MS-429P	STD,1,10,20,30,40	2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
5		MB-3135P		2.2978/2.2988	0.0011/0.0041	0.0955	2.4906/2.4916	1.7180
		MB-1769P(F)						



GENERAL MOTORS MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
2 (Cont.)	283 CID (4.6L) 283 Chevrolet V8 Cyl			3.875in./98.4mm x 3.000in./76.2mm				2 (Cont.)
Cam Bearing Set	B-1	SH-287S	STD					
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
5		SH-289		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.9500
NOTE: Thru 1963								
Cam Bearing Set	B-1	SH-290S	STD,10					
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: From 1964								
Cam Bearing Set	AL-3	SH-1352S	STD					
1-2-3-4-5		SH-1352		1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set	AL-3	SH-1401S	STD					
1-2-3-4-5		SH-1401		1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3703526, 3703527, 3784000, 3815281							
C/S Forging	1178, 3279, 6764, 3727449, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3835236TG							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft. (2.298" Diameter Main Bearing Journals)							
3	307 CID (5.0L) Chevrolet V8 Cyl			3.875in./98.4mm x 3.250in./82.6mm				3
	350 CID (5.7L) Carbureted Chevrolet V8 Cyl			4.000in./101.6mm x 3.484in./88.5mm				
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-909A-10	20,30					
1-2-3-4		MB-2508A		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set	TM-77	MS-909P	STD,1,2,10,20,30,40,C60					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1626P-10	20,30,40					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1683P-20						
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-3060P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1744P-10	20,30					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-3119P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-290S	STD,10					
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
Cam Bearing Set	AL-3	SH-1349S	STD					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Heavy Duty Engine								



GENERAL MOTORS MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
3 (Cont.)	307 CID (5.0L) Chevrolet V8 Cyl			3.875in./98.4mm x 3.250in./82.6mm				3 (Cont.)
	350 CID (5.7L) Carbureted Chevrolet V8 Cyl			4.000in./101.6mm x 3.484in./88.5mm				
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3185281, 3703526, 3703527, 3784000, 3815281, 3892671, 3916396, 3923282, 3946841 1130, 1178, 1182, 2680, 2690, 3279, 4577, 4672, 306275, 306276, 310514, 3732444, 3832442, 3911000, 3911001, 3911011, 391101A, 3912335, 3914681, 3914682, 3930809, 3932444, 3941172, 3941174, 3941184, 4568749							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
4	327 CID (5.4L) Chevrolet V8 Cyl			4.000in./101.6mm x 3.250in./82.6mm				4
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 2.000" Diameter Crankshaft Rod Journal	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal, Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Main Bearing Set 1-2-3-4 5 NOTE: 2.298" Diameter Main Bearing Journals	TM-77	MS-429P MB-3135P MB-1769P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2978/2.2988	0.0003/0.0033 0.0011/0.0041	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 2.448" Diameter Main Bearing Journals	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 2.448" Diameter Main Bearing Journals, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 2.448" Diameter Main Bearing Journals, Contains .020" Oversize Length Flanged Bearing	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
Main Bearing Set 1-2-3-4 5 NOTE: 2.448" Diameter Main Bearing Journals, Contains .040" Oversize Length Flanged Bearing	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
Main Bearing Set 1-2-3-4 5 NOTE: 2.448" Diameter Main Bearing Journals, Contains .010" Oversize Length Flanged Bearing	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
Cam Bearing Set 1 2 3-4 5 NOTE: Thru 1963	B-1	SH-287S SH-290 SH-288 SH-287 SH-289	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644 0.0694	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500 0.9500



GENERAL MOTORS MARINE (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
4 (Cont.)	327 CID (5.4L) Chevrolet V8 Cyl			4.000in./101.6mm x 3.250in./82.6mm					4 (Cont.)
Cam Bearing Set	B-1	SH-290S	STD,10						
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500	
2-5		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500	
3-4		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500	
NOTE: From 1964									
Cam Bearing Set	AL-3	SH-1349S	STD						
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500	
2-5		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500	
3-4		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500	
NOTE: From 1964,Heavy Duty Engine									
Cam Bearing Set	AL-3	SH-1352S	STD						
1-2-3-4-5		SH-1352		1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500	
NOTE: From 1964,Overize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"									
Cam Bearing Set	AL-3	SH-1401S	STD						
1-2-3-4-5		SH-1401		1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500	
NOTE: From 1964,Overize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"									
Rod Forging	3185281, 3703526, 3703527, 3784000, 3815281								
C/S Forging	1130, 1178, 1182, 2680, 3279, 4577, 4672, 3782680, 3782690, 3815822, 3911000, 3911001, 3911011, 391101A, 3914681, 3914682, 3930809, 3941172, 3941174, 5782680								
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)								
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)								
Main Bearing	60 To 70 Lbs.Ft. (2.298" Diameter Main Bearing Journals)								
Main Bearing	75 Lbs.Ft. (2.448" Diameter Main Bearing Journals)								
5	350 CID (5.7L) 260,280 Oldsmobile V8 Cyl (1968-1980)			4.057in./103mm x 3.385in./86mm					5
Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40	2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310	
Main Bearing Set	TM-77	MS-805P	STD,1,10,20,30						
1		MB-2365P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800	
2-4		MB-2251P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800	
3		MB-2252P(F)		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	1.1950	
5		MB-2253P		2.4985/2.4995	0.0014/0.0044	0.0932	2.6870/2.6880	1.6290	
Cam Bearing Set	AL-3	SH-1354S	STD						
1		SH-1354		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980	
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980	
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980	
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980	
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980	
NOTE: Thru 1976									
Cam Bearing Set	AL-3	SH-1355S	STD						
1		SH-1359		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980	
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980	
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980	
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980	
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980	
NOTE: From 1977									
Connecting Rod	42 Lbs.Ft.								
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)								
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)								
6	403 CID (6.6L) L80 Oldsmobile V8 Cyl (1977-1979)			4.351in./110.5mm x 3.385in./86mm					6
Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40	2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310	
Main Bearing Set	TM-77	MS-805P	STD,1,10,20,30						
1		MB-2365P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800	
2-4		MB-2251P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800	
3		MB-2252P(F)		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	1.1950	
5		MB-2253P		2.4985/2.4995	0.0014/0.0044	0.0932	2.6870/2.6880	1.6290	
Cam Bearing Set	AL-3	SH-1355S	STD						
1		SH-1359		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980	
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980	
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980	
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980	
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980	



GENERAL MOTORS MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
6 (Cont.)	403 CID (6.6L) L80 Oldsmobile V8 Cyl (1977-1979)				4.351in./110.5mm x 3.385in./86mm			6 (Cont.)
Rod Forging	0997, 380282, 380283, 380383, 398410, 410997							
C/S Forging	230276, 230376, 230905, 381269, 381919, 388766, 390275, 393654, 395654, 398261, 398621, 418882, 556607, 1235419, 1375802, 1398346							
Connecting Rod	42 Lbs.Ft.							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)							
7	427 CID (7.0L) Chevrolet V8 Cyl				4.250in./108mm x 3.766in./95.7mm			7
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4	AL-5	MS-829A-10	20,30	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2403A		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
		MB-2404A(F)						
Main Bearing Set 1-2-3-4	TM-77	MS-829P	STD,1,10,20,30,40	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2403P		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
		MB-2404P(F)						
Main Bearing Set 1-2-3-4	TM-77	MS-1745P-10	20,30	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2403P		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8210
		MB-3120P(F)						
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1748P-10	20	2.7482/2.7492	0.0007/0.0032	0.1087	2.9570/2.9580	1.0440
5		MB-3123P		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
		MB-2404P(F)						
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set 1	B-1	SH-615S	STD	1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2		SH-615		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-616		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
5		SH-617		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
		SH-618						
NOTE: Thru 1966								
Cam Bearing Set 1	B-1	SH-616S	STD	1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-615		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-616		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
		SH-617						
NOTE: From 1967								
Rod Forging	3856239, 3856240, 3933174							
C/S Forging	6223, 7115, 9115, 3804816, 3836144, 3874874, 3882842, 3882847, 3882848, 3882849, 3887114, 3904815, 3904816, 3941180, 3942411							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							
8	455 CID (7.5L) 455 Oldsmobile V8 Cyl (1968-1976)				4.125in./104.8mm x 4.250in./108mm			8
Rod Bearing(8)	TM-77	CB-542P	STD,1,10,20,30,40	2.4988/2.4998	0.0007/0.0032	0.0620	2.6245/2.6250	0.8310
Main Bearing Set 1	TM-77	MS-804P	STD,10,20,30	2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9800
2-4		MB-2362P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9790
3		MB-2163P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	1.1950
5		MB-2363P(F)		2.9993/3.0003	0.0016/0.0049	0.0932	3.1880/3.1890	1.6290
		MB-2364P						
Cam Bearing Set 1	AL-3	SH-1354S	STD	2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1354		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1355		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1356		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1357		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
		SH-1358						
Rod Forging	384759							
C/S Forging	230331, 230377, 230378, 230907, 230908, 397303, 397363, 400934, 403707, 405954							
Connecting Rod	32 To 42 Lbs.Ft.							
Main Bearing	90 To 120 Lbs.Ft.							
9	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet V8 Cyl (2001-2007)				4.252in./108mm x 4.370in./111mm			9
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920



GENERAL MOTORS MARINE (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
9 (Cont.)	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet V8 Cyl (2001-2007)				4.252in./108mm x 4.370in./111mm				9 (Cont.)
Main Bearing Set 1-2-3-4 5	AL-5	MS-2235AL MB-3774AL MB-3775AL(F)	STD,10,20	2.7482/2.7489 2.7482/2.7489	0.0010/0.0033 0.0005/0.0022	0.0937 0.0940	2.9370/2.9380 2.9373/2.9378	1.0470 1.8110	
Cam Bearing Set 1 2-5 3-4	B-1	SH-616S SH-615 SH-616 SH-617	STD	1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205	0.8700 0.9900 0.9900	
10	502 CID (8.2L) Mark IV 465 Chevrolet V8 Cyl (1990-1994)				4.470in./113.5mm x 4.000in./101.6mm				10
	502 CID (8.2L) Mark IV Bravo,Mark IV Magnum Chevrolet V8 Cyl (1990-1992)				4.470in./113.5mm x 4.000in./101.6mm				
	502 CID (8.2L) Mark V 465,Mark V 500,Mark V Bravo,Mark V Magnum Chevrolet V8 Cyl (1990-1995)				4.470in./113.5mm x 4.000in./101.6mm				
	502 CID (8.2L) Mark V MIE Chevrolet V8 Cyl (1992-1995)				4.470in./113.5mm x 4.000in./101.6mm				
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920	
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920	
Main Bearing Set 1-2-3-4 5	AL-5	MS-829A-10 MB-2403A MB-2404A(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110	
Main Bearing Set 1-2-3-4 5	TM-77	MS-829P MB-2403P MB-2404P(F)	STD,1,10,20,30,40	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110	
Main Bearing Set 1-2-3-4 5	TM-77	MS-1745P-10 MB-2403P MB-3120P(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8210	
NOTE: Contains .010" Oversize Length Flanged Bearing									
Main Bearing Set 1-2-3-4 5	TM-77	MS-1748P-10 MB-3123P MB-2404P(F)	20	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.1087 0.0937	2.9570/2.9580 2.9370/2.9380	1.0440 1.8110	
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter									
Cam Bearing Set 1 2-5 3-4	B-1	SH-616S SH-615 SH-616 SH-617	STD	1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205	0.8700 0.9900 0.9900	
GLASTROM MARINE									
ENGINE DATA									
Engine 302 Ford 302 CID (5.0L)	Bore & Stroke 4.000in./101.6mmX3.000in./76.2mm		Block 1	Engine 351 Ford Windsor 351 CID (5.8L)	Bore & Stroke 4.000in./101.6mmX3.500in./88.9mm		Block 2		
CONNECTING ROD FORGING NUMBERS									
Forging No. C90E	Stroke 3.500in./88.9mm	Block 2	Forging No. D60E	Stroke 3.500in./88.9mm	Block 2				
CRANKSHAFT FORGING NUMBERS									
Forging No. 3C 3M	Stroke 3.500in./88.9mm 3.500in./88.9mm	Block 2 2	Forging No. 3MA 7M	Stroke 3.500in./88.9mm 3.500in./88.9mm	Block 2 2	Forging No. 7MA C90E-A	Stroke 3.500in./88.9mm 3.500in./88.9mm	Block 2 2	
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL									
1	302 CID (5.0L) 302 Ford V8 Cyl				4.000in./101.6mm x 3.000in./76.2mm				1
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260	
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260	
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									



GLASTROM MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
1 (Cont.)	302 CID (5.0L) 302 Ford V8 Cyl			4.000in./101.6mm x 3.000in./76.2mm				1 (Cont.)
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	AL-5	MS-590A-10	20,30	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2121A MB-2122A(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set 1-2-4-5	TM-77	MS-590P	STD,1,10,20,30,40	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2121P MB-2122P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set 1-2-4-5	TM-77	MS-1746P-10	20,30	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2121P MB-3124P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1	B-1	SH-510S	STD	2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-510		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-511		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-512		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-513		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Connecting Rod 19 To 24 Lbs.Ft.								
Main Bearing 60 To 70 Lbs.Ft.								
2	351 CID (5.8L) 351 Ford Windsor V8 Cyl			4.000in./101.6mm x 3.500in./88.9mm				2
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	TM-77	MS-981P	STD,1,10,20,30,40	2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2557P MB-2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Thru 1976, Full Grooved Main Bearings								
Main Bearing Set 1-2-4-5	AL-5	MS-1432A-10	20,30	2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2754A MB-2558A(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Main Bearing Set 1-2-4-5	TM-77	MS-1432P	STD,1,10,20,30,40	2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2754P MB2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Cam Bearing Set 1	B-1	SH-510S	STD	2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-510		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-511		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-512		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-513		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	C90E, D60E							
C/S Forging	3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							



GRAY MARINE													
ENGINE DATA													
Engine			Bore & Stroke			Block	Engine			Bore & Stroke			Block
4 CYL							6 CYL (Cont.)						
4-75 Continental 162 CID (2.7L)			3.438in./87.33mmX4.375in./111.1mm			2	Express Six Continental 226 CID (3.7L)			3.313in./84.1mmX4.375in./111.1mm			3
4-85 Continental 162 CID (2.7L)			3.438in./87.33mmX4.375in./111.1mm			2	Fireball Six 140 Continental 244 CID (4.0L)			3.438in./87.33mmX4.375in./111.1mm			4
Express 4 Continental 69 CID (1.1L)			2.500in./63.5mmX3.500in./88.9mm			1	Fireball Six 150 Continental 244 CID (4.0L)			3.438in./87.33mmX4.375in./111.1mm			4
Express 4 Continental 140 CID (2.3L)			3.188in./80.98mmX4.375in./111.1mm			2	Fireball Six 160 Continental 244 CID (4.0L)			3.438in./87.33mmX4.375in./111.1mm			4
Four 2 Continental 140 CID (2.3L)			3.188in./80.98mmX4.375in./111.1mm			2	Lugger Six Continental 226 CID (3.7L)			3.313in./84.1mmX4.375in./111.1mm			3
Four 40 Continental 140 CID (2.3L)			3.188in./80.98mmX4.375in./111.1mm			2	Model 150 Continental 330 CID (5.4L)			4.000in./101.6mmX4.375in./111.1mm			6
Four 140 Continental 140 CID (2.3L)			3.188in./80.98mmX4.375in./111.1mm			2	Phantom Six 125 Continental 244 CID (4.0L)			3.438in./87.33mmX4.375in./111.1mm			4
Four-45 Continental 91 CID (1.5L)			2.875in./73mmX3.500in./88.9mm			1	Six 77 Continental 226 CID (3.7L)			3.313in./84.1mmX4.375in./111.1mm			3
Four-80 Continental 162 CID (2.7L)			3.438in./87.33mmX4.375in./111.1mm			2	Six 91 Continental 226 CID (3.7L)			3.313in./84.1mmX4.375in./111.1mm			3
Four-112 Continental 112 CID (1.8L)			3.188in./80.98mmX3.500in./88.9mm			1	Six 100 Continental 226 CID (3.7L)			3.313in./84.1mmX4.375in./111.1mm			3
Four-162 Continental 162 CID (2.7L)			3.438in./87.33mmX4.375in./111.1mm			2	Six 110 Continental 226 CID (3.7L)			3.313in./84.1mmX4.375in./111.1mm			3
Light 4 Continental 69 CID (1.1L)			2.500in./63.5mmX3.500in./88.9mm			1	Six 226 Continental 226 CID (3.7L)			3.313in./84.1mmX4.375in./111.1mm			3
Lugger Four 112 Continental 140 CID (2.3L)			3.188in./80.98mmX4.375in./111.1mm			2	Six 244 Continental 244 CID (4.0L)			3.438in./87.33mmX4.375in./111.1mm			4
Model 70 Continental 162 CID (2.7L)						2	8 CYL						
Phantom Four 62 Continental 140 CID (2.3L)			3.188in./80.98mmX4.375in./111.1mm			2	American Motors 390 CID (6.4L)			4.165in./105.8mmX3.574in./90.8mm			8
Phantom Four 620 Continental 140 CID (2.3L)			3.188in./80.98mmX4.375in./111.1mm			2	Buick 455 CID (7.5L)			4.313in./109.6mmX3.900in./99mm			9
Sea Scout-91 Continental 91 CID (1.5L)			2.875in./73mmX3.500in./88.9mm			1	American Motors 360 CID (5.9L)			4.080in./103.6mmX3.438in./87.3mm			7
6 CYL							American Motors 304 CID (5.0L)			3.750in./95.3mmX3.438in./87.3mm			7
American Motors 258 CID (4.2L)			3.750in./95.3mmX3.906in./99.2mm			5							
CONNECTING ROD FORGING NUMBERS													
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block		
707	3.438in./87.3mm	7	1385363	3.900in./99mm	9	3196750	3.438in./87.3mm	7	Y400D-400	3.500in./88.9mm	1		
1373496	3.900in./99mm	9	3182749	3.438in./87.3mm	7	3197047	3.438in./87.3mm	7					
CRANKSHAFT FORGING NUMBERS													
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block		
1379242	3.900in./99mm	9	3213754	3.438in./87.3mm	7	Y400C-225	3.500in./88.9mm	1	Y400C-508	3.500in./88.9mm	1		
3159292	3.438in./87.3mm	7	3214724	3.438in./87.3mm	7	Y400C-334	3.500in./88.9mm	1	Y400C-511D	3.500in./88.9mm	1		
3178451C	3.438in./87.3mm	7	4487237	3.438in./87.3mm	7	Y400C-335	3.500in./88.9mm	1					
3195292	3.438in./87.3mm	7	RD51261	3.438in./87.3mm	7	Y400C-338	3.500in./88.9mm	1					
COUNTER DATA						SHOP DATA							
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length			
4 CYL													
1	69 CID (1.1L) Express 4,Light 4 Continental 4 Cyl					2.500in./63.5mm x 3.500in./88.9mm					1		
	91 CID (1.5L) Four-45,Sea Scout-91 Continental 4 Cyl					2.875in./73mm x 3.500in./88.9mm							
	112 CID (1.8L) Four-112 Continental 4 Cyl					3.188in./80.98mm x 3.500in./88.9mm							
Rod Bearing(2)				TM-112	CB-278P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050		
NOTE: Positions 1 And 3													
Rod Bearing(2)				TM-112	CB-279P	STD,10,20,30	1.4990/1.5000	0.0007/0.0032	0.0619	1.6240/1.6245	1.0050		
NOTE: Positions 2 And 4													
Thrust Washer Set					TW-143S	STD	1.7812		2.6250	0.0950			
					MB-1653W								
NOTE: Contains 2 Pieces, Position Number 1													
Cam Bearing Set				AL-3	SH-191S	STD	1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480		
1					SH-191		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350		
2					SH-56		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660		
3					SH-57								
Piston Pin Bushing(4)				B	223-3503	STD			0.0320	0.7622/0.7632	1.0630		
NOTE: Requires Light Reaming, .765" Outside Diameter													
Connecting Rod		20 To 25 Lbs.Ft.											
Main Bearing		35 To 40 Lbs.Ft.											



GRAY MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
2	140 CID (2.3L) Express 4,Four 140,Four 2,Four 40,Lugger Four 112,Phantom Four 62,Phantom Four 620 Continental 4 Cyl 162 CID (2.7L) 4-75,4-85,Four-162,Four-80 Continental 4 Cyl 162 CID (2.7L) Model 70 Continental 4 Cyl			3.188in./80.98mm x 4.375in./111.1mm 3.438in./87.33mm x 4.375in./111.1mm 3.438in./87.33mm x 3.563in./90.5mm				2
Rod Bearing(2)	TM-112	CB-78P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 2 And 4								
Rod Bearing(2)		CB-79P	STD,10,20,30,40,C60	1.9365/1.9375	0.0007/0.0032	0.0619	2.0615/2.0620	1.1300
NOTE: Positions 1 And 3								
Main Bearing Set	TM-77	MS-176P-10	20					
1		MB-1403P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.1300
2		MB-1406P		2.2490/2.2500	0.0005/0.0027	0.0932	2.4365/2.4372	1.6300
3		MB-1405P		2.2490/2.2500	0.0001/0.0028	0.0932	2.4365/2.4372	1.6300
NOTE: Contains 2 Piece Thrust Washer Set, Use In Position Number 1,Contains Straight Shell Bearings								
Thrust Washer Set		TW-424S	STD					
		MB-1403W		2.2812			3.0625	0.0960
NOTE: Contains 1 Piece, Position Number 1, Use With Part Number MS-176P-10								
Cam Bearing Set	AL-3	SH-56S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
3		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(4)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(4)	B	223-3605	STD			0.0425	0.9130/0.9140	1.1250
NOTE: Requires Boring, 1.066" Outside Diameter								
6 CYL								
3	226 CID (3.7L) Express Six,Lugger Six,Six 100,Six 110,Six 226,Six 77,Six 91 Continental 6 Cyl			3.313in./84.1mm x 4.375in./111.1mm				3
Rod Bearing(6)		CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing(3)		CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								
4	244 CID (4.0L) Fireball Six 140,Fireball Six 150,Fireball Six 160,Phantom Six 125,Six 244 Continental 6 Cyl			3.438in./87.33mm x 4.375in./111.1mm				4
Rod Bearing(6)		CB-465P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In All Positions For Connecting Rod Forging Number Ending In 402,Use In Positions 1,3, And 5 Except Connecting Rod Forging Number Ending In 402								
Rod Bearing		CB-466P	STD,10,20,30,C40,C60	2.0619/2.0627	0.0005/0.0028	0.0619	2.1865/2.1870	1.1300
NOTE: Use In Positions 2, 4 And 6 Except Connecting Rod Forging Number Ending In 402								
Cam Bearing Set	AL-3	SH-190S	STD					
1		SH-1211		1.8715/1.8725	0.0020/0.0050	0.0628	1.9995/2.0000	0.8850
2		SH-191		1.8085/1.8095	0.0020/0.0050	0.0630	1.9370/1.9380	0.9480
3		SH-56		1.7457/1.7465	0.0024/0.0057	0.0628	1.8745/1.8750	1.6350
4		SH-57		1.2465/1.2475	0.0010/0.0050	0.0628	1.3745/1.3750	1.1660
Piston Pin Bushing(6)	B	223-3349	STD			0.0325	0.9130/0.9140	1.1250
NOTE: Requires Light Reaming,Thin Wall, .919" Outside Diameter								
Piston Pin Bushing(6)	C-1	223-3429	STD			0.2230	1.0625/1.0635	1.1250
NOTE: Requires Light Reaming, 1.066" Outside Diameter								



GRAY MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
5	258 CID (4.2L) American Motors 6 Cyl (1971-1980)			3.750in./95.3mm x 3.906in./99.2mm				5
Rod Bearing(6)	TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set	TM-77	MS-704P	STD,10,20,30,40					
1-2-4-5-6-7		MB-2263P		2.4996/2.5001	0.0006/0.0031	0.0953	2.6910/2.6920	0.9860
3		MB-2264P(F)		2.4996/2.5001	0.0006/0.0031	0.0953	2.6910/2.6920	1.2700
Cam Bearing Set	B-1	SH-1980S	STD					
1		SH-1980		2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6950
2		SH-550		2.0195/2.0205	0.0010/0.0050	0.0620	2.1455/2.1465	0.7050
3		SH-551		2.0095/2.0105	0.0010/0.0050	0.0620	2.1355/2.1365	0.7050
4		SH-552		1.9995/2.0005	0.0010/0.0050	0.0620	2.1255/2.1265	0.7050
Connecting Rod	30 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
6	330 CID (5.4L) Model 150 Continental 6 Cyl			4.000in./101.6mm x 4.375in./111.1mm				6
Rod Bearing(6)		CB-510P	STD,10,30	2.2480/2.2490	0.0013/0.0038	0.0621	2.3740/2.3745	1.3850
Connecting Rod	20 To 25 Lbs.Ft.							
8 CYL								
7	304 CID (5.0L) American Motors V8 Cyl (1970-1979)			3.750in./95.3mm x 3.438in./87.3mm				7
	360 CID (5.9L) American Motors V8 Cyl (1970-1978)			4.080in./103.6mm x 3.438in./87.3mm				
Rod Bearing	TM-77	CB-960P	STD,1,2,10,20,30,40	2.0948/2.0955	0.0012/0.0034	0.0559	2.2080/2.2085	0.8370
Main Bearing Set	TM-77	MS-1041P	STD,10,20,30					
1-2-4-5		MB-2579P		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	0.9280
3		MB-2578P(F)		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	1.2700
Cam Bearing Set	B-1	SH-671S	STD					
1		SH-671		2.1195/2.1205	0.0010/0.0050	0.0620	2.2455/2.2465	0.9350
2		SH-672		2.0895/2.0905	0.0010/0.0050	0.0620	2.2155/2.2165	0.6400
3		SH-673		2.0595/2.0605	0.0010/0.0050	0.0620	2.1855/2.1865	0.6400
4		SH-674		2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6400
5		SH-675		1.9995/2.0005	0.0010/0.0050	0.0620	2.1255/2.1265	0.6400
Rod Forging	707, 3182749, 3196750, 3197047							
C/S Forging	3159292, 3195292, 3213754, 3214724, 4487237, RD51261, 3178451C							
Connecting Rod	30 Lbs.Ft. (360 CID (5.9L))							
Connecting Rod	30 To 35 Lbs.Ft. (304 CID (5.0L))							
Main Bearing	95 To 105 Lbs.Ft.							
8	390 CID (6.4L) American Motors V8 Cyl (1968-1970)			4.165in./105.8mm x 3.574in./90.8mm				8
Rod Bearing	TM-77	CB-819P	STD,10,20,30	2.2478/2.2485	0.0019/0.0041	0.0623	2.3745/2.3750	0.8050
Main Bearing Set	TM-77	MS-1041P	STD,10,20,30					
1-2-4-5		MB-2579P		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	0.9280
3		MB-2578P(F)		2.7474/2.7489	0.0006/0.0038	0.0959	2.9410/2.9417	1.2700
Cam Bearing Set	B-1	SH-671S	STD					
1		SH-671		2.1195/2.1205	0.0010/0.0050	0.0620	2.2455/2.2465	0.9350
2		SH-672		2.0895/2.0905	0.0010/0.0050	0.0620	2.2155/2.2165	0.6400
3		SH-673		2.0595/2.0605	0.0010/0.0050	0.0620	2.1855/2.1865	0.6400
4		SH-674		2.0295/2.0305	0.0010/0.0050	0.0620	2.1555/2.1565	0.6400
5		SH-675		1.9995/2.0005	0.0010/0.0050	0.0620	2.1255/2.1265	0.6400
9	455 CID (7.5L) Buick V8 Cyl (1970-1976)			4.313in./109.6mm x 3.900in./99mm				9
Rod Bearing	TM-77	CB-762P	STD,1,10,20,30,40	2.2490/2.2500	0.0007/0.0032	0.0619	2.3740/2.3745	0.8260
Main Bearing Set	TM-77	MS-908P	STD,10,20					
1-2-4		MB-2505P		3.2495/3.2500	0.0011/0.0036	0.0936	3.4380/3.4390	0.8070
3		MB-2506P(F)		3.2495/3.2500	0.0011/0.0036	0.0936	3.4380/3.4390	1.0580
5		MB-2507P		3.2495/3.2500	0.0011/0.0036	0.0936	3.4380/3.4390	1.1480
Cam Bearing Set	AL-3	SH-1361S	STD,10					
1		SH-1360		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.7600
2-3-4-5		SH-1361		1.7850/1.7860	0.0005/0.0055	0.0643	1.9155/1.9175	0.6300
Rod Forging	1373496, 1385363							
C/S Forging	1379242							
Connecting Rod	45 Lbs.Ft.							
Main Bearing	110 Lbs.Ft.							



HARDIN MARINE											
ENGINE DATA											
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block				
4 CYL				8 CYL (Cont.)							
140 Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm		1	280 Oldsmobile 350 CID (5.7L)	4.057in./103mmX3.385in./86mm		4				
6 CYL				333 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm		5				
262 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm		2	400 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm		5				
8 CYL				405 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm		5				
225 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm		3	425 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm		5				
260 Oldsmobile 350 CID (5.7L)	4.057in./103mmX3.385in./86mm		4	460 Ford 460 CID (7.5L)	4.360in./110.7mmX3.850in./97.8mm		6				
				L80 Oldsmobile 403 CID (6.6L)	4.351in./110.5mmX3.385in./86mm		4				
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
0997	3.385in./86mm	4	398410	3.385in./86mm	4	3892671	3.484in./88.5mm	3	3946841	3.484in./88.5mm	3
380282	3.385in./86mm	4	410997	3.385in./86mm	4	3916396	3.484in./88.5mm	3			
380283	3.385in./86mm	4	3856239	4.000in./101.6mm	5	3923282	3.484in./88.5mm	3			
380383	3.385in./86mm	4	3856240	4.000in./101.6mm	5	3933174	4.000in./101.6mm	5			
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1182	3.484in./88.5mm	3	353039	4.000in./101.6mm	5	556607	3.385in./86mm	4	3963524	4.000in./101.6mm	5
2690	3.484in./88.5mm	3	359730	4.000in./101.6mm	5	1235419	3.385in./86mm	4	3967463	4.000in./101.6mm	5
3521	4.000in./101.6mm	5	381269	3.385in./86mm	4	1375802	3.385in./86mm	4	3975945	4.000in./101.6mm	5
7416	4.000in./101.6mm	5	381919	3.385in./86mm	4	1398346	3.385in./86mm	4	4568749	3.484in./88.5mm	3
14096	3.600in./91.4mm	1	388766	3.385in./86mm	4	3732444	3.484in./88.5mm	3	N3937	3.600in./91.4mm	1
230276	3.385in./86mm	4	390275	3.385in./86mm	4	3832442	3.484in./88.5mm	3	N140966	3.600in./91.4mm	1
230376	3.385in./86mm	4	393654	3.385in./86mm	4	3912335	3.484in./88.5mm	3	N353039	4.000in./101.6mm	5
230905	3.385in./86mm	4	395654	3.385in./86mm	4	3932444	3.484in./88.5mm	3	N393775	3.600in./91.4mm	1
306275	3.484in./88.5mm	3	398261	3.385in./86mm	4	3941184	3.484in./88.5mm	3	N853039	4.000in./101.6mm	5
306276	3.484in./88.5mm	3	398621	3.385in./86mm	4	3962523	4.000in./101.6mm	5	N853638	4.000in./101.6mm	5
310514	3.484in./88.5mm	3	418882	3.385in./86mm	4	3963523	4.000in./101.6mm	5	N3941352	3.600in./91.4mm	1
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore		Max Length
4 CYL											
1	181 CID (3.0L) 140 Chevrolet 4 Cyl					4.000in./101.6mm x 3.600in./91.4mm					1
Rod Bearing(4)	AL-5	CB-663A-10	20,30			2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252		0.8420
Rod Bearing(4)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60			2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252		0.8420
Rod Bearing(4)	AL-5	CB-1776A-10	20,30			2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272		0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock											
Rod Bearing(4)	TM-77	CB-1776P-10	20,30,40			2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272		0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock											
Main Bearing Set 1-2-3-4	TM-77	MS-1733P	STD,1,10,20,30,40			2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916		0.8070
5		MB-3135P				2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916		1.0090
		MB-2588P(F)									
Cam Bearing Set 1-2-3	AL-3	SH-1030S	STD,10			1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010		0.8700
		SH-400									
C/S Forging	14096, N3937, N140966, N393775, N3941352										
Connecting Rod	33 Lbs.Ft. (11/32" Bolts)										
Connecting Rod	40 Lbs.Ft. (3/8" Bolts)										
Main Bearing	65 Lbs.Ft.										
6 CYL											
2	262 CID (4.3L) 262 Chevrolet V6 Cyl					4.000in./101.6mm x 3.484in./88.5mm					2
Rod Bearing(6)	AL-5	CB-1358A-10	20,30			2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757		0.7530
Rod Bearing(6)	TM-77	CB-1358P	STD,1,10,20,30,40			2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757		0.7530
Rod Bearing(6)	AL-5	CB-1794A-10	20,30			2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777		0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock											
Rod Bearing(6)	TM-77	CB-1794P-10	20,30,40			2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777		0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock											
Main Bearing Set 1-2-3	AL-5	MS-1454A-10	20,30			2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416		0.8070
4		MB-2508A				2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416		1.7180
		MB-2509A(F)									



HARDINMARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
2 (Cont.)	262 CID (4.3L) 262 Chevrolet V6 Cyl			4.000in./101.6mm x 3.484in./88.5mm				2 (Cont.)
Main Bearing Set 1-2-3 4	TM-77	MS-1454P MB-2508P MB-2509P(F)	STD,1,10,20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3 4	TM-77	MS-1628P-10 MB-2508P MB-2981P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-1684P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-2215P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-4 3	AL-3	SH-1350S SH-1349 SH-1350 SH-1351	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: Except Engines Stamped With Identification Number Located On Front Of Block Starting With "T"								
Cam Bearing Set 1-4 2 3	AL-3	SH-1351S SH-1349 SH-1351 SH-1350	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0644 0.0694	2.0190/2.0210 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500
NOTE: Engines Stamped With Identification Number On Front Of Block Starting With "T"								
Connecting Rod Main Bearing	45 Lbs.Ft. 70 Lbs.Ft.							
8 CYL								
3	305 CID (5.0L) 225 Chevrolet V8 Cyl			3.736in./95mm x 3.484in./88.5mm				3
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4 5	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500



HARDIN MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
3 (Cont.)	305 CID (5.0L) 225 Chevrolet V8 Cyl				3.736in./95mm x 3.484in./88.5mm			3 (Cont.)
Cam Bearing Set	AL-3	SH-1349S	STD					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set	AL-3	SH-1352S	STD					
1-2-3-4-5		SH-1352		1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set	AL-3	SH-1401S	STD					
1-2-3-4-5		SH-1401		1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3892671, 3916396, 3923282, 3946841							
C/S Forging	1182, 2690, 306275, 306276, 310514, 3732444, 3832442, 3912335, 3932444, 3941184, 4568749							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
4	350 CID (5.7L) 260,280 Oldsmobile V8 Cyl				4.057in./103mm x 3.385in./86mm			4
	403 CID (6.6L) L80 Oldsmobile V8 Cyl				4.351in./110.5mm x 3.385in./86mm			
Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40	2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310
Main Bearing Set	TM-77	MS-805P	STD,1,10,20,30					
1		MB-2365P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
2-4		MB-2251P		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
3		MB-2252P(F)		2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	1.1950
5		MB-2253P		2.4985/2.4995	0.0014/0.0044	0.0932	2.6870/2.6880	1.6290
Cam Bearing Set	AL-3	SH-1355S	STD					
1		SH-1359		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
Rod Forging	0997, 380282, 380283, 380383, 398410, 410997							
C/S Forging	230276, 230376, 230905, 381269, 381919, 388766, 390275, 393654, 395654, 398261, 398621, 418882, 556607, 1235419, 1375802, 1398346							
Connecting Rod	42 Lbs.Ft.							
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)							
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)							
5	454 CID (7.4L) 333,400,405,425 Chevrolet V8 Cyl				4.250in./108mm x 4.000in./101.6mm			5
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set	AL-5	MS-829A-10	20,30					
1-2-3-4		MB-2403A		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404A(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set	TM-77	MS-829P	STD,1,10,20,30,40					
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set	TM-77	MS-1745P-10	20,30					
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-3120P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1748P-10	20					
1-2-3-4		MB-3123P		2.7482/2.7492	0.0007/0.0032	0.1087	2.9570/2.9580	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set	B-1	SH-616S	STD					
1		SH-615		1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
Rod Forging	3856239, 3856240, 3933174							
C/S Forging	3521, 7416, 353039, 359730, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638							



HARDIN MARINE (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
5 (Cont.)	454 CID (7.4L) 333,400,405,425 Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm					5 (Cont.)
Connecting Rod		45 To 55 Lbs.Ft.							
Main Bearing		110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing		90 To 100 Lbs.Ft. (Except High Performance)							
6	460 CID (7.5L) 460 Ford V8 Cyl			4.360in./110.7mm x 3.850in./97.8mm					6
Rod Bearing(8)	TM-77	CB-818P	STD,1,10,20,30,40	2.4992/2.5000	0.0005/0.0031	0.0761	2.6522/2.6530	0.8660	
Rod Bearing(8)	TM-77	CB-1802P-10	20,30	2.4992/2.5000	0.0005/0.0031	0.0771	2.6542/2.6550	0.8660	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set 1-2-4-5	TM-77	MS-1039P	STD,1,10,20,30,40	2.9994/3.0002	0.0007/0.0033	0.0958	3.1922/3.1930	0.9500	
3		MB-2564P		2.9994/3.0002	0.0007/0.0033	0.0958	3.1922/3.1930	1.1200	
		MB-2565P(F)							
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1111S	STD,10	2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.6000	
		SH-1111							
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1766S	STD	2.1238/2.1248	0.0011/0.0050	0.0694	2.2645/2.2655	0.6300	
		SH-1766							
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.2645"/2.2655"									
Connecting Rod		40 To 45 Lbs.Ft.							
Main Bearing		95 To 105 Lbs.Ft.							

HOLMAN-MOODY MARINE									
ENGINE DATA									
Engine		Bore & Stroke		Block	Engine		Bore & Stroke		Block
302 Ford 302 CID (5.0L)		4.000in./101.6mmX3.000in./76.2mm		1	460 Ford 460 CID (7.5L)		4.360in./110.7mmX3.850in./97.8mm		3
351 Ford Windsor 351 CID (5.8L)		4.000in./101.6mmX3.500in./88.9mm		2					
CONNECTING ROD FORGING NUMBERS									
Forging No.	Stroke	Block	Forging No.	Stroke	Block				
C90E	3.500in./88.9mm	2	D60E	3.500in./88.9mm	2				
CRANKSHAFT FORGING NUMBERS									
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	
3C	3.500in./88.9mm	2	3MA	3.500in./88.9mm	2	7MA	3.500in./88.9mm	2	
3M	3.500in./88.9mm	2	7M	3.500in./88.9mm	2	C90E-A	3.500in./88.9mm	2	
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL									
1	302 CID (5.0L) 302 Ford V8 Cyl			4.000in./101.6mm x 3.000in./76.2mm					1
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260	
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260	
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set 1-2-4-5	AL-5	MS-590A-10	20,30	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900	
3		MB-2121A		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330	
		MB-2122A(F)							
Main Bearing Set 1-2-4-5	TM-77	MS-590P	STD,1,10,20,30,40	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900	
3		MB-2121P		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330	
		MB-2122P(F)							
Main Bearing Set 1-2-4-5	TM-77	MS-1746P-10	20,30	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900	
3		MB-2121P		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1430	
		MB-3124P(F)							
NOTE: Contains .010" Oversize Length Flanged Bearing									



HOLMAN-MOODY MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
1 (Cont.)	302 CID (5.0L) 302 Ford V8 Cyl			4.000in./101.6mm x 3.000in./76.2mm				1 (Cont.)
Cam Bearing Set	B-1	SH-510S	STD					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
2	351 CID (5.8L) 351 Ford Windsor V8 Cyl			4.000in./101.6mm x 3.500in./88.9mm				2
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-981P	STD,1,10,20,30,40					
1-2-4-5		MB-2557P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Thru 1976, Full Grooved Main Bearings								
Main Bearing Set	AL-5	MS-1432A-10	20,30					
1-2-4-5		MB-2754A		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558A(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Main Bearing Set	TM-77	MS-1432P	STD,1,10,20,30,40					
1-2-4-5		MB-2754P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Cam Bearing Set	B-1	SH-510S	STD					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	C90E, D60E							
C/S Forging	3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
3	460 CID (7.5L) 460 Ford V8 Cyl (1968-1978)			4.360in./110.7mm x 3.850in./97.8mm				3
Rod Bearing(8)	TM-77	CB-818P	STD,1,10,20,30,40	2.4992/2.5000	0.0005/0.0031	0.0761	2.6522/2.6530	0.8660
Rod Bearing(8)	TM-77	CB-1802P-10	20,30	2.4992/2.5000	0.0005/0.0031	0.0771	2.6542/2.6550	0.8660
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-1039P	STD,1,10,20,30,40					
1-2-4-5		MB-2564P		2.9994/3.0002	0.0007/0.0033	0.0958	3.1922/3.1930	0.9500
3		MB-2565P(F)		2.9994/3.0002	0.0007/0.0033	0.0958	3.1922/3.1930	1.1200
Cam Bearing Set	AL-3	SH-1111S	STD,10					
1-2-3-4-5		SH-1111		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.6000
Cam Bearing Set	AL-3	SH-1766S	STD					
1-2-3-4-5		SH-1766		2.1238/2.1248	0.0011/0.0050	0.0694	2.2645/2.2655	0.6300
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.2645"/2.2655"								
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							



INDMAR MARINE											
ENGINE DATA											
Engine	Bore & Stroke			Block	Engine	Bore & Stroke			Block		
250 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm			2	350-2 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm			1		
275 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm			1	350-4 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm			1		
290 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm			1	400 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm			3		
300 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm			1	454 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm			3		
350 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm			3							
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block			
3856239	4.000in./101.6mm	3	3916396	3.484in./88.5mm	1	3946841	3.484in./88.5mm	1			
3856240	4.000in./101.6mm	3	3923282	3.484in./88.5mm	1	C90E	3.500in./88.9mm	2			
3892671	3.484in./88.5mm	1	3933174	4.000in./101.6mm	3	D60E	3.500in./88.9mm	2			
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3C	3.500in./88.9mm	2	7416	4.000in./101.6mm	3	3912335	3.484in./88.5mm	1	4568749	3.484in./88.5mm	1
3M	3.500in./88.9mm	2	306275	3.484in./88.5mm	1	3932444	3.484in./88.5mm	1	C90E-A	3.500in./88.9mm	2
3MA	3.500in./88.9mm	2	306276	3.484in./88.5mm	1	3941184	3.484in./88.5mm	1	N353039	4.000in./101.6mm	3
7M	3.500in./88.9mm	2	310514	3.484in./88.5mm	1	3962523	4.000in./101.6mm	3	N853039	4.000in./101.6mm	3
7MA	3.500in./88.9mm	2	353039	4.000in./101.6mm	3	3963523	4.000in./101.6mm	3	N853638	4.000in./101.6mm	3
1182	3.484in./88.5mm	1	359730	4.000in./101.6mm	3	3963524	4.000in./101.6mm	3			
2690	3.484in./88.5mm	1	3732444	3.484in./88.5mm	1	3967463	4.000in./101.6mm	3			
3521	4.000in./101.6mm	3	3832442	3.484in./88.5mm	1	3975945	4.000in./101.6mm	3			
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL											
1	350 CID (5.7L) 275,290,300,350-2,350-4 Chevrolet V8 Cyl					4.000in./101.6mm x 3.484in./88.5mm				1	
Rod Bearing(8)	AL-5	CB-663A-10	20,30			2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420	
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60			2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420	
Rod Bearing(8)	AL-5	CB-1776A-10	20,30			2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock											
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40			2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock											
Main Bearing Set	AL-5	MS-909A-10	20,30								
1-2-3-4		MB-2508A				2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070	
5		MB-2509A(F)				2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180	
Main Bearing Set	TM-77	MS-909P	STD,1,2,10,20,30,40,C60								
1-2-3-4		MB-2508P				2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070	
5		MB-2509P(F)				2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180	
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing											
Main Bearing Set	TM-77	MS-1626P-10	20,30,40								
1-2-3-4		MB-2508P				2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070	
5		MB-2981P(F)				2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380	
NOTE: Contains .020" Oversize Length Flanged Bearing											
Main Bearing Set	TM-77	MS-1683P-20									
1-2-3-4		MB-2508P				2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070	
5		MB-3060P(F)				2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580	
NOTE: Contains .040" Oversize Length Flanged Bearing											
Main Bearing Set	TM-77	MS-1744P-10	20,30								
1-2-3-4		MB-2508P				2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070	
5		MB-3119P(F)				2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280	
NOTE: Contains .010" Oversize Length Flanged Bearing											
Cam Bearing Set	B-1	SH-290S	STD,10								
1		SH-290				1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500	
2-5		SH-288				1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500	
3-4		SH-287				1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500	
Cam Bearing Set	AL-3	SH-1349S	STD								
1		SH-1349				1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500	
2-5		SH-1350				1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500	
3-4		SH-1351				1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500	
NOTE: Heavy Duty Engine											



INDMAR MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
1 (Cont.)	350 CID (5.7L) 275,290,300,350-2,350-4 Chevrolet V8 Cyl				4.000in./101.6mm x 3.484in./88.5mm			1 (Cont.)
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3892671, 3916396, 3923282, 3946841 1182, 2690, 306275, 306276, 310514, 3732444, 3832442, 3912335, 3932444, 3941184, 4568749							
Connecting Rod Connecting Rod Main Bearing	35 Lbs.Ft. (11/32" Bolts) 45 Lbs.Ft. (3/8" Bolts) 75 Lbs.Ft.							
2	351 CID (5.8L) 250 Ford Windsor V8 Cyl				4.000in./101.6mm x 3.500in./88.9mm			2
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	TM-77	MS-981P MB-2557P MB-2558P(F)	STD,1,10,20,30,40	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: Thru 1976, Full Grooved Main Bearings								
Main Bearing Set 1-2-4-5 3	AL-5	MS-1432A-10 MB-2754A MB-2558A(F)	20,30	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Main Bearing Set 1-2-4-5 3	TM-77	MS-1432P MB-2754P MB2558P(F)	STD,1,10,20,30,40	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Cam Bearing Set 1 2 3 4 5	B-1	SH-510S SH-510 SH-511 SH-512 SH-513 SH-514	STD	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700
Rod Forging C/S Forging	C90E, D60E 3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.							
3	454 CID (7.4L) 350,400,454 Chevrolet V8 Cyl				4.250in./108mm x 4.000in./101.6mm			3
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4 5	AL-5	MS-829A-10 MB-2403A MB-2404A(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5	TM-77	MS-829P MB-2403P MB-2404P(F)	STD,1,10,20,30,40	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5	TM-77	MS-1745P-10 MB-2403P MB-3120P(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1748P-10 MB-3123P MB-2404P(F)	20	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.1087 0.0937	2.9570/2.9580 2.9370/2.9380	1.0440 1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings, Flange Bearing Is Not Oversize On The Outside Diameter								



INDMAR MARINE (Cont.)											
COUNTER DATA					SHOP DATA						
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length		
8 CYL (Cont.)											
3 (Cont.)	454 CID (7.4L) 350,400,454 Chevrolet V8 Cyl				4.250in./108mm x 4.000in./101.6mm				3 (Cont.)		
Cam Bearing Set 1	B-1	SH-616S	STD		1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700		
2-5		SH-615			1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900		
3-4		SH-616			1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900		
Rod Forging	3856239, 3856240, 3933174										
C/S Forging	3521, 7416, 353039, 359730, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638										
Connecting Rod	45 To 55 Lbs.Ft.										
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)										
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)										
INTERCEPTOR MARINE											
ENGINE DATA											
Engine	Years	Bore & Stroke		Block	Engine	Years	Bore & Stroke		Block		
6 CYL					8 CYL						
144 CID (2.4L) Ford	1960-1964	3.500in./88.9mmX2.500in./63.5mm		1	221 CID (3.6L) Ford	1962-1963	3.500in./88.9mmX2.875in./73mm		3		
170 CID (2.8L) Ford	1961-1972	3.500in./88.9mmX2.938in./74.6mm		1	256 CID (4.2L) Ford	1954	3.625in./92.1mmX3.100in./78.7mm		4		
200 CID (3.3L) OHV Ford	1964-1983	3.680in./93.5mmX3.125in./79.4mm		2	260 CID (4.3L) Ford	1962-1965	3.800in./96.5mmX2.870in./72.9mm		3		
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
B10	2.500in./63.5mm	1	C2AE-A	3.100in./78.7mm	4	CODE	2.938in./74.6mm	1	EBU	3.100in./78.7mm	4
B10	3.125in./79.4mm	2	C30E	2.500in./63.5mm	1	D8BE	3.125in./79.4mm	2	ECC	3.100in./78.7mm	4
B10	2.938in./74.6mm	1	C30E	3.125in./79.4mm	2	D8BE	2.938in./74.6mm	1	ECE	3.100in./78.7mm	4
C1DE	2.500in./63.5mm	1	C30E	2.938in./74.6mm	1	D8BE-6205	2.500in./63.5mm	1	EDC	3.100in./78.7mm	4
C1DE	3.125in./79.4mm	2	CODE	2.500in./63.5mm	1	D8BE-6205	3.125in./79.4mm	2			
C1DE	2.938in./74.6mm	1	CODE	3.125in./79.4mm	2	D8BE-6205	2.938in./74.6mm	1			
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1F	2.500in./63.5mm	1	1HA	3.125in./79.4mm	2	C3OZ	2.870in./72.9mm	3	C3OZ-A	2.500in./63.5mm	1
1F	3.125in./79.4mm	2	1HA	2.938in./74.6mm	1	C3OZ-A	3.125in./79.4mm	2	C3OZ-A	3.125in./79.4mm	2
1F	2.938in./74.6mm	1	C2DE-A	2.500in./63.5mm	1	C3OZ-B	2.870in./72.9mm	3	C3OZ-A	2.938in./74.6mm	1
1G	2.500in./63.5mm	1	C2DE-A	3.125in./79.4mm	2	C3OZ-E	3.125in./79.4mm	2	C3OZ-E	2.500in./63.5mm	1
1G	3.125in./79.4mm	2	C2DE-A	2.938in./74.6mm	1	C5DE-A	2.500in./63.5mm	1	C3OZ-E	3.125in./79.4mm	2
1G	2.938in./74.6mm	1	C2OZ	2.875in./73mm	3	C5DE-A	3.125in./79.4mm	2	C3OZ-E	2.938in./74.6mm	1
1H	2.500in./63.5mm	1	C2OZ	2.870in./72.9mm	3	C5DE-A	2.938in./74.6mm	1	CTR-CB	2.500in./63.5mm	1
1H	3.125in./79.4mm	2	C2OZ-B	2.870in./72.9mm	3	C30E-A	2.500in./63.5mm	1	CTR-CB	2.938in./74.6mm	1
1H	2.938in./74.6mm	1	C3AF-N	2.870in./72.9mm	3	C30E-A	3.125in./79.4mm	2	EBU	3.100in./78.7mm	4
1HA	2.500in./63.5mm	1	C30E-A	3.125in./79.4mm	2	C30E-A	2.938in./74.6mm	1	EBU-6303-A	3.100in./78.7mm	4
COUNTER DATA					SHOP DATA						
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length		
6 CYL											
1	144 CID (2.4L) Ford 6 Cyl (1960-1964)				3.500in./88.9mm x 2.500in./63.5mm				1		
	170 CID (2.8L) Ford 6 Cyl (1961-1972)				3.500in./88.9mm x 2.938in./74.6mm						
Rod Bearing(6)	TM-77	CB-583P	STD,1,10,20,30,40,G60		2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100		
Main Bearing Set 1-2-4	TM-77	MS-518G	STD,10,20,30,40		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.0200		
3		MB-2002G			2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.2710		
		MB-2003G(F)									
Cam Bearing Set 1	B-1	SH-703S	STD		1.8095/1.8105	0.0010/0.0050	0.0833	1.9780/1.9790	0.7300		
2		SH-703			1.8095/1.8105	0.0010/0.0050	0.0758	1.9630/1.9640	0.7300		
3		SH-412			1.8095/1.8105	0.0010/0.0050	0.0683	1.9480/1.9490	0.7300		
4		SH-413			1.8095/1.8105	0.0010/0.0050	0.0608	1.9330/1.9340	0.7300		
		SH-414			1.8095/1.8105	0.0010/0.0050	0.0608	1.9330/1.9340	0.7300		
Rod Forging	B10, C1DE, C30E, CODE, D8BE, D8BE-6205										
C/S Forging	1F, 1G, 1H, 1HA, C2DE-A, C30E-A, C3OZ-A, C3OZ-E, C5DE-A, CTR-CB										
Connecting Rod	19 To 24 Lbs.Ft.										
Main Bearing	60 To 70 Lbs.Ft.										



INTERCEPTOR MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
2	200 CID (3.3L) OHV Ford 6 Cyl (1964-1983)			3.680in./93.5mm x 3.125in./79.4mm				2
Rod Bearing(6)	TM-77	CB-583P	STD,1,10,20,30,40,G60	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Main Bearing Set	TM-77	MS-518G	STD,10,20,30,40					
1-2-4		MB-2002G		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.0200
3		MB-2003G(F)		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.2710
NOTE: Engines With 4 Main Bearings								
Main Bearing Set	TM-77	MS-771G	STD,10,20,30,40					
1-2-3-4-6-7		MB-2002G		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.0200
5		MB-2003G(F)		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.2710
NOTE: 1965-1975, Thru 5/1/75,Engines With 7 Main Bearings, Contains Full Grooved Bearings								
Main Bearing Set	TM-77	MS-1389AL	STD,10,20,30,40					
1-2-3-4-6-7		MB-2692AL		2.2482/2.2490	0.0007/0.0033	0.0760	2.4012/2.4020	1.0200
5		MB-2693AL(F)		2.2482/2.2490	0.0007/0.0033	0.0760	2.4012/2.4020	1.2710
NOTE: From 5/2/75,Engines With 7 Main Bearings, Contains Partial Grooved Main Bearings								
Cam Bearing Set	B-1	SH-703S	STD					
1		SH-703		1.8095/1.8105	0.0010/0.0050	0.0833	1.9780/1.9790	0.7300
2		SH-412		1.8095/1.8105	0.0010/0.0050	0.0758	1.9630/1.9640	0.7300
3		SH-413		1.8095/1.8105	0.0010/0.0050	0.0683	1.9480/1.9490	0.7300
4		SH-414		1.8095/1.8105	0.0010/0.0050	0.0608	1.9330/1.9340	0.7300
Rod Forging	B10, C1DE, C30E, CODE, D8BE, D8BE-6205							
C/S Forging	1F, 1G, 1H, 1HA, C2DE-A, C30E-A, C30Z-A, C30Z-E, C30E-A, C30Z-A, C30Z-E, C5DE-A							
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
8 CYL								
3	221 CID (3.6L) Ford V8 Cyl (1962-1963)			3.500in./88.9mm x 2.875in./73mm				3
	260 CID (4.3L) Ford V8 Cyl (1962-1965)			3.800in./96.5mm x 2.870in./72.9mm				
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-590A-10	20,30					
1-2-4-5		MB-2121A		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122A(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-590P	STD,1,10,20,30,40					
1-2-4-5		MB-2121P		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2122P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
Main Bearing Set	TM-77	MS-1746P-10	20,30					
1-2-4-5		MB-2121P		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-3124P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-510S	STD					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
C/S Forging	C20Z, C30Z, C20Z-B, C3AF-N, C30Z-B							
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
4	256 CID (4.2L) Ford V8 Cyl (1954)			3.625in./92.1mm x 3.100in./78.7mm				4
Rod Bearing(8)	TM-77	CB-461P	STD,1,10,20,30,40,50,C60	2.1880/2.1888	0.0005/0.0020	0.0617	2.3120/2.3128	0.7460
Main Bearing Set	TM-77	MS-178P	STD,10,20,30,40					
1-2-4-5		MB-1575P		2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	0.9120
3		MB-1621P(F)		2.4980/2.4988	0.0005/0.0031	0.0962	2.6912/2.6920	1.1200
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								



INTERCEPTOR MARINE (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)									
4 (Cont.)	256 CID (4.2L) Ford V8 Cyl (1954)				3.625in./92.1mm x 3.100in./78.7mm				4 (Cont.)
Cam Bearing Set 1	B-1	SH-559S	STD,10		1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.8900
2-3-4-5		SH-285			1.9255/1.9265	0.0010/0.0050	0.0650	2.0575/2.0585	0.6300
NOTE: Grooved Number 3 Camshaft Journal									
Piston Pin Bushing(8)	B	223-3451	STD				0.0360	0.8115/0.8125	1.3220
NOTE: Requires Light Reaming									
Rod Forging	EBU, ECC, ECE, EDC, C2AE-A								
C/S Forging	EBU, EBU-6303-A								
Connecting Rod	45 To 50 Lbs.Ft.								
Main Bearing	95 To 105 Lbs.Ft.								
JACUZZI MARINE									
ENGINE DATA									
Engine	Bore & Stroke			Block	Engine	Bore & Stroke			Block
455 Oldsmobile 455 CID (7.5L)	4.125in./104.8mmX4.250in./108mm			1	460 Ford 460 CID (7.5L)	4.360in./110.7mmX3.850in./97.8mm			2
CONNECTING ROD FORGING NUMBERS									
Forging No.	Stroke	Block							
384759	4.250in./108mm	1							
CRANKSHAFT FORGING NUMBERS									
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.
230331	4.250in./108mm	1	230907	4.250in./108mm	1	397363	4.250in./108mm	1	405954
230377	4.250in./108mm	1	230908	4.250in./108mm	1	400934	4.250in./108mm	1	
230378	4.250in./108mm	1	397303	4.250in./108mm	1	403707	4.250in./108mm	1	
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL									
1	455 CID (7.5L) 455 Oldsmobile V8 Cyl (1968-1976)				4.125in./104.8mm x 4.250in./108mm				1
Rod Bearing(8)	TM-77	CB-542P	STD,1,10,20,30,40		2.4988/2.4998	0.0007/0.0032	0.0620	2.6245/2.6250	0.8310
Main Bearing Set 1	TM-77	MS-804P	STD,10,20,30						
2-4		MB-2362P			2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9800
3		MB-2163P			2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	0.9790
5		MB-2363P(F)			2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890	1.1950
		MB-2364P			2.9993/3.0003	0.0016/0.0049	0.0932	3.1880/3.1890	1.6290
Cam Bearing Set 1	AL-3	SH-1354S	STD		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1354			2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1355			1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357			1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358			1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
Rod Forging	384759								
C/S Forging	230331, 230377, 230378, 230907, 230908, 397303, 397363, 400934, 403707, 405954								
Connecting Rod	32 To 42 Lbs.Ft.								
Main Bearing	90 To 120 Lbs.Ft.								
2	460 CID (7.5L) 460 Ford V8 Cyl (1968-1978)				4.360in./110.7mm x 3.850in./97.8mm				2
Rod Bearing(8)	TM-77	CB-818P	STD,1,10,20,30,40		2.4992/2.5000	0.0005/0.0031	0.0761	2.6522/2.6530	0.8660
Rod Bearing(8)	TM-77	CB-1802P-10	20,30		2.4992/2.5000	0.0005/0.0031	0.0771	2.6542/2.6550	0.8660
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set 1-2-4-5	TM-77	MS-1039P	STD,1,10,20,30,40						
3		MB-2564P			2.9994/3.0002	0.0007/0.0033	0.0958	3.1922/3.1930	0.9500
		MB-2565P(F)			2.9994/3.0002	0.0007/0.0033	0.0958	3.1922/3.1930	1.1200
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1111S	STD,10		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.6000



JACUZZI MARINE (Cont.)											
COUNTER DATA					SHOP DATA						
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length		
8 CYL (Cont.)											
2 (Cont.)	460 CID (7.5L) 460 Ford V8 Cyl (1968-1978)				4.360in./110.7mm x 3.850in./97.8mm				2 (Cont.)		
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1766S SH-1766	STD		2.1238/2.1248	0.0011/0.0050	0.0694	2.2645/2.2655	0.6300		
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.2645"/2.2655"											
Connecting Rod	40 To 45 Lbs.Ft.										
Main Bearing	95 To 105 Lbs.Ft.										
MARINE POWER											
ENGINE DATA											
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block				
4 CYL				8 CYL (Cont.)							
181FL Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm		1	307K Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm		2				
				350G Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm		2				
				350K Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm		2				
305K Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm		2	454 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm		3				
307G Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm		2								
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3185281	3.250in./82.6mm	2	3784000	3.250in./82.6mm	2	3856240	4.000in./101.6mm	3	3923282	3.484in./88.5mm	2
3703526	3.250in./82.6mm	2	3815281	3.250in./82.6mm	2	3892671	3.484in./88.5mm	2	3933174	4.000in./101.6mm	3
3703527	3.250in./82.6mm	2	3856239	4.000in./101.6mm	3	3916396	3.484in./88.5mm	2	3946841	3.484in./88.5mm	2
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1130	3.250in./82.6mm	2	306275	3.484in./88.5mm	2	3911011	3.250in./82.6mm	2	3963523	4.000in./101.6mm	3
1178	3.250in./82.6mm	2	306276	3.484in./88.5mm	2	3912335	3.484in./88.5mm	2	3963524	4.000in./101.6mm	3
1182	3.484in./88.5mm	2	310514	3.484in./88.5mm	2	3914681	3.250in./82.6mm	2	3967463	4.000in./101.6mm	3
2680	3.250in./82.6mm	2	353039	4.000in./101.6mm	3	3914682	3.250in./82.6mm	2	3975945	4.000in./101.6mm	3
2690	3.484in./88.5mm	2	359730	4.000in./101.6mm	3	3930809	3.250in./82.6mm	2	4568749	3.484in./88.5mm	2
3279	3.250in./82.6mm	2	391101A	3.250in./82.6mm	2	3932444	3.484in./88.5mm	2	N140966	3.600in./91.4mm	1
3521	4.000in./101.6mm	3	3732444	3.484in./88.5mm	2	3941172	3.250in./82.6mm	2	N353039	4.000in./101.6mm	3
4577	3.250in./82.6mm	2	3832442	3.484in./88.5mm	2	3941174	3.250in./82.6mm	2	N853039	4.000in./101.6mm	3
4672	3.250in./82.6mm	2	3911000	3.250in./82.6mm	2	3941184	3.484in./88.5mm	2	N853638	4.000in./101.6mm	3
7416	4.000in./101.6mm	3	3911001	3.250in./82.6mm	2	3962523	4.000in./101.6mm	3	N3941352	3.600in./91.4mm	1
COUNTER DATA					SHOP DATA						
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length		
4 CYL											
1	181 CID (3.0L) 181FL Chevrolet 4 Cyl				4.000in./101.6mm x 3.600in./91.4mm				1		
Rod Bearing(4)	AL-5	CB-663A-10	20,30		2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420		
Rod Bearing(4)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60		2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420		
Rod Bearing(4)	AL-5	CB-1776A-10	20,30		2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420		
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock											
Rod Bearing(4)	TM-77	CB-1776P-10	20,30,40		2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420		
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock											
Main Bearing Set 1-2-3-4	TM-77	MS-1733P	STD,1,10,20,30,40		2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070		
5		MB-3135P MB-2588P(F)			2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090		
Cam Bearing Set 1-2-3	AL-3	SH-1030S SH-400	STD,10		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700		
C/S Forging	N140966, N3941352										
8 CYL											
2	305 CID (5.0L) 305K Chevrolet V8 Cyl 307 CID (5.0L) 307G,307K Chevrolet V8 Cyl 350 CID (5.7L) 350G,350K Chevrolet V8 Cyl				3.736in./95mm x 3.484in./88.5mm 3.875in./98.4mm x 3.250in./82.6mm 4.000in./101.6mm x 3.484in./88.5mm				2		
Rod Bearing(8)	AL-5	CB-663A-10	20,30		2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420		



MARINE POWER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
2 (Cont.)	305 CID (5.0L) 305K Chevrolet V8 Cyl 307 CID (5.0L) 307G,307K Chevrolet V8 Cyl 350 CID (5.7L) 350G,350K Chevrolet V8 Cyl			3.736in./95mm x 3.484in./88.5mm 3.875in./98.4mm x 3.250in./82.6mm 4.000in./101.6mm x 3.484in./88.5mm				2 (Cont.)
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4 5	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
Cam Bearing Set 1 2-5 3-4	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3185281, 3703526, 3703527, 3784000, 3815281, 3892671, 3916396, 3923282, 3946841 1130, 1178, 1182, 2680, 2690, 3279, 4577, 4672, 306275, 306276, 310514, 3732444, 3832442, 3911000, 3911001, 3911011, 391101A, 3912335, 3914681, 3914682, 3930809, 3932444, 3941172, 3941174, 3941184, 4568749							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
3	454 CID (7.4L) 454 Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm				3
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4 5	AL-5	MS-829A-10 MB-2403A MB-2404A(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5	TM-77	MS-829P MB-2403P MB-2404P(F)	STD,1,10,20,30,40	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5	TM-77	MS-1745P-10 MB-2403P MB-3120P(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								



MARINE POWER (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
3 (Cont.)	454 CID (7.4L) 454 Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm				3 (Cont.)
Main Bearing Set 1-2-3-4	TM-77	MS-1748P-10 MB-3123P	20	2.7482/2.7492	0.0007/0.0032	0.1087	2.9570/2.9580	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set 1	B-1	SH-616S SH-615	STD	1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
Rod Forging	3856239, 3856240, 3933174							
C/S Forging	3521, 7416, 353039, 359730, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							
MERCURY MARINE								
ENGINE DATA								
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block			
4 CYL			8 CYL (Cont.)					
2.5L Chevrolet 153 CID (2.5L)	3.875in./98.4mmX3.250in./82.6mm	1	233 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	13			
3.0L Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	2	250 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11			
3.0LX Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	2	255 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11			
110 Chevrolet 153 CID (2.5L)	3.875in./98.4mmX3.250in./82.6mm	1	255 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	13			
470 Ford 224 CID (3.7L)	4.360in./110.7mmX	3	260 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11			
470R Ford 224 CID (3.7L)	4.360in./110.7mmX	3	270 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11			
MC120 Chevrolet 153 CID (2.5L)	3.875in./98.4mmX3.250in./82.6mm	1	280 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11			
MC140 Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	2	300MR/TR Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11			
MC155 Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	2	330RS Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16			
MCM120 Chevrolet 153 CID (2.5L)	3.875in./98.4mmX3.250in./82.6mm	1	330TR Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16			
6 CYL			350 Magnum Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11			
4.3L Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	7	370 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16			
150 Chevrolet 230 CID (3.8L)	3.875in./98.4mmX3.250in./82.6mm	5	390 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16			
170 Chevrolet 292 CID (4.8L)	3.875in./98.4mmX4.125in./104.8mm	8	888 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	10			
185MR Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	7	898 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	11			
185R Chevrolet 229 CID (3.8L)	3.736in./95mmX3.484in./88.5mm	4	898R Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	11			
200 Chevrolet 292 CID (4.8L)	3.875in./98.4mmX4.125in./104.8mm	8	D7.3L D-Tronic Navistar 444 CID (7.3L)	4.110in./104.4mmX4.180in./106.2mm	15			
MC160 Chevrolet 250 CID (4.1L)	3.875in./98.4mmX3.531in./89.7mm	6	Diesel Turbocharged					
MC200 Chevrolet 292 CID (4.8L)	3.875in./98.4mmX4.125in./104.8mm	8	M350 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11			
MCM160 Chevrolet 250 CID (4.1L)	3.875in./98.4mmX3.531in./89.7mm	6	MC225 Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	12			
MCM165 Chevrolet 250 CID (4.1L)	3.875in./98.4mmX3.531in./89.7mm	6	MC250 Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	12			
MCM175 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	7	MC320 Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	12			
MCM185 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	7	MC325 Chevrolet 427 CID (7.0L)	4.250in./108mmX3.766in./95.7mm	14			
MCM205 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	7	MC425 Chevrolet 427 CID (7.0L)	4.250in./108mmX3.766in./95.7mm	14			
MIE200 Chevrolet 292 CID (4.8L)	3.875in./98.4mmX4.125in./104.8mm	8	MCM188 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	10			
8 CYL			MCM215E Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	10			
5.0L Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	11	MCM215H Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	10			
5.7L Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11	MCM270 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11			
5.7SKI Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11	MCM325 Chevrolet 427 CID (7.0L)	4.250in./108mmX3.766in./95.7mm	14			
7.4L Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16	MCM330 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16			
190 Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	9	MCM420 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16			
198 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	11	MCM-TR Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	10			
200MR Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	11	MIE215 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	10			
223 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	13	MIE215E Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	10			
225 Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	12	MIE250 Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm	12			
225S Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	10	MIE270 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	11			
225TR11 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	13	MIE325 Chevrolet 427 CID (7.0L)	4.250in./108mmX3.766in./95.7mm	14			
228TR Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	11	MIE340 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16			
230 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	11	Mark IV 465 Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	16			
			Mark IV Bravo Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16			
			Mark IV Bravo Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	16			



MERCURY MARINE (Cont.)

ENGINE DATA (Cont.)

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
8 CYL (Cont.)			8 CYL (Cont.)		
Mark IV Magnum Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	16	Mark V MIE Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	16
Mark IV Magnum Bravo Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16	Mark V Magnum Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	16
Mark V 465 Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	16	Mark V Magnum Bravo Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16
Mark V 500 Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	16	Vortec 8100 L18 OHV Chevrolet 496 CID/8135CC (8.1L)	4.252in./108mmX4.370in./111mm	17
Mark V Bravo Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	16			
Mark V Bravo Chevrolet 502 CID (8.2L)	4.470in./113.5mmX4.000in./101.6mm	16			

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3185281	3.250in./82.6mm	12	3788435	3.531in./89.7mm	6	3856239	3.766in./95.7mm	14	3946841	3.484in./88.5mm	11
3703526	3.000in./76.2mm	9	3788437	3.250in./82.6mm	5	3856240	4.000in./101.6mm	16	3977110	3.250in./82.6mm	5
3703526	3.250in./82.6mm	12	3788437	3.531in./89.7mm	6	3856240	3.766in./95.7mm	14	3977110	3.531in./89.7mm	6
3703527	3.000in./76.2mm	9	3815281	3.000in./76.2mm	9	3892671	3.484in./88.5mm	11	9793328	3.250in./82.6mm	5
3703527	3.250in./82.6mm	12	3815281	3.250in./82.6mm	12	3916396	3.484in./88.5mm	11	9793328	3.531in./89.7mm	6
3784000	3.000in./76.2mm	9	3837419	3.250in./82.6mm	5	3923282	3.484in./88.5mm	11	C90E	3.500in./88.9mm	13
3784000	3.250in./82.6mm	12	3837419	3.531in./89.7mm	6	3933174	4.000in./101.6mm	16	D60E	3.500in./88.9mm	13
3788435	3.250in./82.6mm	5	3856239	4.000in./101.6mm	16	3933174	3.766in./95.7mm	14			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3C	3.500in./88.9mm	13	306275	3.484in./88.5mm	11	3837266	3.000in./76.2mm	9	3930809	3.250in./82.6mm	12
3M	3.500in./88.9mm	13	306276	3.484in./88.5mm	11	3838266	3.000in./76.2mm	9	3932444	3.484in./88.5mm	11
3MA	3.500in./88.9mm	13	310514	3.484in./88.5mm	11	3849847	3.000in./76.2mm	9	3941172	3.250in./82.6mm	12
7M	3.500in./88.9mm	13	353039	4.000in./101.6mm	16	3855914	3.531in./89.7mm	6	3941174	3.250in./82.6mm	12
7MA	3.500in./88.9mm	13	359730	4.000in./101.6mm	16	3863144	3.766in./95.7mm	14	3941180	3.766in./95.7mm	14
1074		3	391101A	3.250in./82.6mm	12	3864465	3.250in./82.6mm	5	3941184	3.484in./88.5mm	11
1130	3.250in./82.6mm	12	460407	3.531in./89.7mm	6	3874874	3.766in./95.7mm	14	3942411	3.766in./95.7mm	14
1133		3	480407	3.531in./89.7mm	6	3876764	3.000in./76.2mm	9	3962523	4.000in./101.6mm	16
1178	3.000in./76.2mm	9	3727449	3.000in./76.2mm	9	3876768	3.000in./76.2mm	9	3963523	4.000in./101.6mm	16
1178	3.250in./82.6mm	12	3727499	3.000in./76.2mm	9	3876802	3.531in./89.7mm	6	3963524	4.000in./101.6mm	16
1182	3.484in./88.5mm	11	3732444	3.484in./88.5mm	11	3876804	3.531in./89.7mm	6	3967463	4.000in./101.6mm	16
1182	3.250in./82.6mm	12	3734627	3.000in./76.2mm	9	3876840	3.531in./89.7mm	6	3975945	4.000in./101.6mm	16
2593		3	3735236	3.000in./76.2mm	9	3882842	3.766in./95.7mm	14	4568749	3.484in./88.5mm	11
2680	3.250in./82.6mm	12	3782680	3.250in./82.6mm	12	3882847	3.766in./95.7mm	14	5743013	3.250in./82.6mm	5
2690	3.484in./88.5mm	11	3782690	3.250in./82.6mm	12	3882848	3.766in./95.7mm	14	5782680	3.250in./82.6mm	12
3279	3.000in./76.2mm	9	3788423	3.250in./82.6mm	5	3882849	3.766in./95.7mm	14	9782279	3.250in./82.6mm	5
3279	3.250in./82.6mm	12	3788424	3.250in./82.6mm	5	3887114	3.766in./95.7mm	14	9790154	3.531in./89.7mm	6
3521	4.000in./101.6mm	16	3788428	3.250in./82.6mm	5	3899424	3.250in./82.6mm	5	C90E-A	3.500in./88.9mm	13
4577	3.250in./82.6mm	12	3804816	3.766in./95.7mm	14	3904815	3.766in./95.7mm	14	N140966	3.600in./91.4mm	2
4672	3.250in./82.6mm	12	3815822	3.250in./82.6mm	12	3904816	3.766in./95.7mm	14	N353039	4.000in./101.6mm	16
6223	3.766in./95.7mm	14	3820618	3.250in./82.6mm	5	3911000	3.250in./82.6mm	12	N853039	4.000in./101.6mm	16
6764	3.000in./76.2mm	9	3832442	3.484in./88.5mm	11	3911001	3.250in./82.6mm	12	N853638	4.000in./101.6mm	16
7115	3.766in./95.7mm	14	3835236TG	3.000in./76.2mm	9	3911011	3.250in./82.6mm	12	N3941352	3.600in./91.4mm	2
7416	4.000in./101.6mm	16	3836144	3.766in./95.7mm	14	3912335	3.484in./88.5mm	11			
8424	3.250in./82.6mm	5	3836236	3.000in./76.2mm	9	3914681	3.250in./82.6mm	12			
9115	3.766in./95.7mm	14	3836266	3.000in./76.2mm	9	3914682	3.250in./82.6mm	12			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	153 CID (2.5L) 110,2.5L,MC120,MCM120 Chevrolet 4 Cyl			3.875in./98.4mm x 3.250in./82.6mm				1
Rod Bearing(4)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set 1-2-3-4	TM-77	MS-1733P	STD,1,10,20,30,40	2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
5		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
		MB-2588P(F)						
Cam Bearing Set 1-2	AL-3	SH-400S	STD	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
		SH-399						
Connecting Rod	30 To 35 Lbs.Ft.							
Main Bearing	45 To 55 Lbs.Ft.							



MERCURY MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
2	181 CID (3.0L) 3.0L,3.0LX,MC140,MC155 Chevrolet 4 Cyl			4.000in./101.6mm x 3.600in./91.4mm				2
Rod Bearing(4)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(4)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(4)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(4)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4	TM-77	MS-1733P	STD,1,10,20,30,40					
		MB-3135P		2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
5		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Cam Bearing Set 1-2-3	AL-3	SH-1030S	STD,10					
		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
C/S Forging N140966, N3941352								
3	224 CID (3.7L) 470,470R Ford 4 Cyl			4.360in./110.7mm x				3
Rod Bearing(4)	TM-77	CB-1434P	STD,10,20,30	2.4987/2.4997	0.0003/0.0031	0.0765	2.6522/2.6530	0.7410
NOTE: Replaces Original Equipment Number 68704(Lower) And 68705(Upper)								
Main Bearing Set 1-2-4-5	TM-112	MS-1741P	STD,10,20					
		MB-3117P		2.7472/2.7482	0.0003/0.0031	0.0966	2.9417/2.9425	0.8800
3		MB-3118P(F)		2.7472/2.7482	0.0003/0.0031	0.0966	2.9417/2.9425	1.1180
NOTE: Replaces Original Equipment Numbers 74313 (4) And 74314								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1111S	STD,10					
		SH-1111		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.6000
NOTE: Replaces Original Equipment Number C-23-67484								
C/S Forging 1074, 1133, 2593								
Connecting Rod	40 Lbs.Ft.							
Main Bearing	55 Lbs.Ft.							
6 CYL								
4	229 CID (3.8L) 185R Chevrolet V6 Cyl			3.736in./95mm x 3.484in./88.5mm				4
Rod Bearing(6)	TM-77	CB-1227P	STD,1,10,20,30,40	2.0990/2.1000	0.0003/0.0033	0.0622	2.2247/2.2257	0.7130
Main Bearing Set 1-2-3	AL-5	MS-1454A-10	20,30					
		MB-2508A		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set 1-2-3	TM-77	MS-1454P	STD,1,10,20,30,40					
		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set 1-2-3	TM-77	MS-1628P-10	20,30					
		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3	TM-77	MS-1684P-20						
		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-3060P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3	TM-77	MS-2215P-10	20,30					
		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-3119P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1	AL-3	SH-1350S	STD,10					
		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-4		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
Connecting Rod 45 Lbs.Ft.								
Main Bearing	70 Lbs.Ft.							
5	230 CID (3.8L) 150 Chevrolet 6 Cyl			3.875in./98.4mm x 3.250in./82.6mm				5
Rod Bearing(6)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set 1-2-3-4-5-6	TM-77	MS-617P	STD,1,10,20,30,40					
		MB-3135P		2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
7		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090



MERCURY MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
5 (Cont.)	230 CID (3.8L) 150 Chevrolet 6 Cyl			3.875in./98.4mm x 3.250in./82.6mm				5 (Cont.)
Cam Bearing Set	AL-3	SH-399S	STD,10					
1-4		SH-399		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
2-3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
Rod Forging	3788435, 3788437, 3837419, 3977110, 9793328							
C/S Forging	8424, 3788423, 3788424, 3788428, 3820618, 3864465, 3899424, 5743013, 9782279							
Connecting Rod	35 To 45 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
6	250 CID (4.1L) MC160,MCM160,MCM165 Chevrolet 6 Cyl			3.875in./98.4mm x 3.531in./89.7mm				6
Rod Bearing(6)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-617P	STD,1,10,20,30,40					
1-2-3-4-5-6		MB-3135P		2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
7		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Cam Bearing Set	AL-3	SH-399S	STD,10					
1-4		SH-399		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
2-3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
NOTE: Thru 1970								
Cam Bearing Set	AL-3	SH-718S	STD,10					
1-2-3-4		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
NOTE: From 1971								
Rod Forging	3788435, 3788437, 3837419, 3977110, 9793328							
C/S Forging	460407, 480407, 3855914, 3876802, 3876804, 3876840, 9790154							
Connecting Rod	35 To 45 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
7	262 CID (4.3L) 185MR,4.3L,MCM175,MCM185,MCM205 Chevrolet V6 Cyl			4.000in./101.6mm x 3.484in./88.5mm				7
Rod Bearing(6)	AL-5	CB-1358A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	TM-77	CB-1358P	STD,1,10,20,30,40	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	AL-5	CB-1794A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1794P-10	20,30,40	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-1454A-10	20,30					
1-2-3		MB-2508A		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set	TM-77	MS-1454P	STD,1,10,20,30,40					
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set	TM-77	MS-1628P-10	20,30					
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1684P-20						
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-3060P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-2215P-10	20,30					
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-3119P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	AL-3	SH-1350S	STD,10					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-4		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Except Engines Stamped With Identification Number Located On Front Of Block Starting With "T"								
Cam Bearing Set	AL-3	SH-1351S	STD					
1-4		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
3		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
NOTE: Engines Stamped With Identification Number On Front Of Block Starting With "T"								



MERCURY MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
7 (Cont.)	262 CID (4.3L) 185MR,4.3L,MCM175,MCM185,MCM205 Chevrolet V6 Cyl				4.000in./101.6mm x 3.484in./88.5mm			7 (Cont.)
Connecting Rod		45 Lbs.Ft.						
Main Bearing		70 Lbs.Ft.						
8	292 CID (4.8L) 170,200,MC200,MIE200 Chevrolet 6 Cyl				3.875in./98.4mm x 4.125in./104.8mm			8
Rod Bearing(6)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(6)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(6)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4-5-6	TM-77	MS-617P	STD,1,10,20,30,40	2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
7		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
		MB-2588P(F)						
Cam Bearing Set 1-4	AL-3	SH-399S	STD,10	1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
2-3		SH-399		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
		SH-400						
NOTE: Thru 1970								
Cam Bearing Set 1-2-3-4	AL-3	SH-718S	STD,10	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
		SH-400						
NOTE: From 1971								
Connecting Rod		30 To 35 Lbs.Ft.						
Main Bearing		60 To 70 Lbs.Ft.						
8 CYL								
9	283 CID (4.6L) 190 Chevrolet V8 Cyl				3.875in./98.4mm x 3.000in./76.2mm			9
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set 1-2-3-4	TM-77	MS-429P	STD,1,10,20,30,40	2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
5		MB-3135P		2.2978/2.2988	0.0011/0.0041	0.0955	2.4906/2.4916	1.7180
		MB-1769P(F)						
Cam Bearing Set 1	B-1	SH-287S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2		SH-290		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-288		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
5		SH-287		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
		SH-289						
NOTE: Thru 1963								
Cam Bearing Set 1	B-1	SH-290S	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-290		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-288		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
		SH-287						
NOTE: From 1964								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
		SH-1352						
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
		SH-1401						
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging 3703526, 3703527, 3784000, 3815281								
C/S Forging 1178, 3279, 6764, 3727449, 3727499, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3835236TG								
Connecting Rod		35 Lbs.Ft. (11/32" Bolts)						
Connecting Rod		45 Lbs.Ft. (3/8" Bolts)						
Main Bearing		60 To 70 Lbs.Ft.						
10	302 CID (5.0L) 225S,888,MCM-TR,MCM188,MCM215E,MCM215H,MIE215, MIE215E Ford V8 Cyl				4.000in./101.6mm x 3.000in./76.2mm			10
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								



MERCURY MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
10 (Cont.)	302 CID (5.0L) 225S,888,MCM-TR,MCM188,MCM215E,MCM215H,MIE215, MIE215E Ford V8 Cyl				4.000in./101.6mm x 3.000in./76.2mm			10 (Cont.)
Main Bearing Set 1-2-4-5 3	AL-5	MS-590A-10 MB-2121A MB-2122A(F)	20,30	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
Main Bearing Set 1-2-4-5 3	TM-77	MS-590P MB-2121P MB-2122P(F)	STD,1,10,20,30,40	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
Main Bearing Set 1-2-4-5 3	TM-77	MS-1746P-10 MB-2121P MB-3124P(F)	20,30	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3 4 5	B-1	SH-510S SH-510 SH-511 SH-512 SH-513 SH-514	STD	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700
Connecting Rod Main Bearing	19 To 24 Lbs.Ft. 60 To 70 Lbs.Ft.							
11	305 CID (5.0L) 198,200MR,228TR,230,5.0L,898,898R Chevrolet V8 Cyl 350 CID (5.7L) 250,255,260,270,280,300MR/TR,350 Magnum,5.7L,5.7SKI, M350,MCM270,MIE270 Chevrolet V8 Cyl				3.736in./95mm x 3.484in./88.5mm 4.000in./101.6mm x 3.484in./88.5mm			11
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4 5	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
Cam Bearing Set 1 2-5 3-4	AL-3	SH-1349S SH-1349 SH-1350 SH-1351	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								



MERCURY MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
11 (Cont.)	305 CID (5.0L) 198,200MR,228TR,230,5.0L,898,898R Chevrolet V8 Cyl 350 CID (5.7L) 250,255,260,270,280,300MR/TR,350 Magnum,5.7L,5.7SKI, M350,MCM270,MIE270 Chevrolet V8 Cyl				3.736in./95mm x 3.484in./88.5mm 4.000in./101.6mm x 3.484in./88.5mm			11 (Cont.)
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3892671, 3916396, 3923282, 3946841 1182, 2690, 306275, 306276, 310514, 3732444, 3832442, 3912335, 3932444, 3941184, 4568749							
Connecting Rod Connecting Rod Main Bearing	35 Lbs.Ft. (11/32" Bolts) 45 Lbs.Ft. (3/8" Bolts) 75 Lbs.Ft.							
12	327 CID (5.4L) 225,MC225,MC250,MC320,MIE250 Chevrolet V8 Cyl				4.000in./101.6mm x 3.250in./82.6mm			12
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8) NOTE: 2.000" Diameter Crankshaft Rod Journal	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Rod Bearing(8) NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
Main Bearing Set 1-2-3-4 5 NOTE: 2.298" Diameter Main Bearing Journals	TM-77	MS-429P MB-3135P MB-1769P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2978/2.2988	0.0003/0.0033 0.0011/0.0041	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 2.448" Diameter Main Bearing Journals	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 2.448" Diameter Main Bearing Journals, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3-4 5 NOTE: 2.448" Diameter Main Bearing Journals, Contains .020" Oversize Length Flanged Bearing	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
Main Bearing Set 1-2-3-4 5 NOTE: 2.448" Diameter Main Bearing Journals, Contains .040" Oversize Length Flanged Bearing	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
Main Bearing Set 1-2-3-4 5 NOTE: 2.448" Diameter Main Bearing Journals, Contains .010" Oversize Length Flanged Bearing	TM-77	MS-1744P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
Cam Bearing Set 1 2 3-4 5 NOTE: Thru 1963	B-1	SH-287S SH-290 SH-288 SH-287 SH-289	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644 0.0694	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500 0.9500
Cam Bearing Set 1 2-5 3-4 NOTE: From 1964	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500



MERCURY MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
12 (Cont.)	327 CID (5.4L) 225,MC225,MC250,MC320,MIE250 Chevrolet V8 Cyl				4.000in./101.6mm x 3.250in./82.6mm			12 (Cont.)
Cam Bearing Set	AL-3	SH-1349S	STD					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: From 1964,Heavy Duty Engine								
Cam Bearing Set	AL-3	SH-1352S	STD					
1-2-3-4-5		SH-1352		1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: From 1964,Overize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set	AL-3	SH-1401S	STD					
1-2-3-4-5		SH-1401		1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: From 1964,Overize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3185281, 3703526, 3703527, 3784000, 3815281							
C/S Forging	1130, 1178, 1182, 2680, 3279, 4577, 4672, 3782680, 3782690, 3815822, 3911000, 3911001, 3911011, 391101A, 3914681, 3914682, 3930809, 3941172, 3941174, 5782680							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft. (2.298" Diameter Main Bearing Journals)							
Main Bearing	75 Lbs.Ft. (2.448" Diameter Main Bearing Journals)							
13	351 CID (5.8L) 223,225TR11,233,255 Ford Windsor V8 Cyl				4.000in./101.6mm x 3.500in./88.9mm			13
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-981P	STD,1,10,20,30,40					
1-2-4-5		MB-2557P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Thru 1976, Full Grooved Main Bearings								
Main Bearing Set	AL-5	MS-1432A-10	20,30					
1-2-4-5		MB-2754A		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558A(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Main Bearing Set	TM-77	MS-1432P	STD,1,10,20,30,40					
1-2-4-5		MB-2754P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Cam Bearing Set	B-1	SH-510S	STD					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
14	427 CID (7.0L) MC325,MC425,MCM325,MIE325 Chevrolet V8 Cyl				4.250in./108mm x 3.766in./95.7mm			14
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set	AL-5	MS-829A-10	20,30					
1-2-3-4		MB-2403A		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404A(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set	TM-77	MS-829P	STD,1,10,20,30,40					
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set	TM-77	MS-1745P-10	20,30					
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-3120P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								



MERCURY MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
14 (Cont.)	427 CID (7.0L) MC325,MC425,MCM325,MIE325 Chevrolet V8 Cyl			4.250in./108mm x 3.766in./95.7mm				14 (Cont.)
Main Bearing Set 1-2-3-4	TM-77	MS-1748P-10 MB-3123P MB-2404P(F)	20	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.1087 0.0937	2.9570/2.9580 2.9370/2.9380	1.0440 1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set 1	B-1	SH-615S SH-615	STD	1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
5		SH-618		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
NOTE: Thru 1966								
Cam Bearing Set 1	B-1	SH-616S SH-615	STD	1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
NOTE: From 1967								
Rod Forging	3856239, 3856240, 3933174							
C/S Forging	6223, 7115, 9115, 3804816, 3836144, 3863144, 3874874, 3882842, 3882847, 3882848, 3882849, 3887114, 3904815, 3904816, 3941180, 3942411							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							
15	444 CID (7.3L) D7.3L D-Tronic Navistar Turbocharged Diesel V8 Cyl			4.110in./104.4mm x 4.180in./106.2mm				15
Rod Bearing(6)	TM-112	CB-1633P	STD,10,20,30,40	2.4980/2.4990	0.0016/0.0046	0.0952	2.6905/2.6915	0.9640
Main Bearing Set 1-2-3-4	TM-112	MS-2034P MB-3497P MB-3498P(F)	STD,10,20,30	3.1228/3.1236 3.1228/3.1236	0.0018/0.0046 0.0018/0.0046	0.0949 0.0949	3.3152/3.3162 3.3152/3.3162	0.9330 1.2380
Cam Bearing Set 1	AL-3	SH-1092S SH-1092	STD	2.0990/2.1000	0.0009/0.0054	0.0638	2.2305/2.2320	0.7900
2-3-4-5		SH-1093		2.0990/2.1000	0.0009/0.0054	0.0638	2.2305/2.2320	0.6550
Piston Pin Bushing(8)	C-1	223-3652	STD			0.0760	1.4320/1.4330	1.1520
NOTE: Requires Light Reaming								
16	454 CID (7.4L) 330RS,330TR,370,390,7.4L,MCM330,MCM420,MIE340 Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm				16
	454 CID (7.4L) Mark IV Bravo,Mark IV Magnum Bravo Chevrolet V8 Cyl (1988-1992)			4.250in./108mm x 4.000in./101.6mm				
	454 CID (7.4L) Mark V Bravo,Mark V Magnum Bravo Chevrolet V8 Cyl (1992-1994)			4.250in./108mm x 4.000in./101.6mm				
	502 CID (8.2L) Mark IV 465 Chevrolet V8 Cyl (1990-1994)			4.470in./113.5mm x 4.000in./101.6mm				
	502 CID (8.2L) Mark IV Bravo,Mark IV Magnum Chevrolet V8 Cyl (1990-1992)			4.470in./113.5mm x 4.000in./101.6mm				
	502 CID (8.2L) Mark V 465,Mark V 500,Mark V Bravo,Mark V Magnum Chevrolet V8 Cyl (1990-1995)			4.470in./113.5mm x 4.000in./101.6mm				
	502 CID (8.2L) Mark V MIE Chevrolet V8 Cyl (1992-1995)			4.470in./113.5mm x 4.000in./101.6mm				
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4	AL-5	MS-829A-10 MB-2403A MB-2404A(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4	TM-77	MS-829P MB-2403P MB-2404P(F)	STD,1,10,20,30,40	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4	TM-77	MS-1745P-10 MB-2403P MB-3120P(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								



MERCURY MARINE (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
16 (Cont.)	454 CID (7.4L) 330RS,330TR,370,390,7.4L,MCM330,MCM420,MIE340 Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm					16 (Cont.)
	454 CID (7.4L) Mark IV Bravo,Mark IV Magnum Bravo Chevrolet V8 Cyl (1988-1992)			4.250in./108mm x 4.000in./101.6mm					
	454 CID (7.4L) Mark V Bravo,Mark V Magnum Bravo Chevrolet V8 Cyl (1992-1994)			4.250in./108mm x 4.000in./101.6mm					
	502 CID (8.2L) Mark IV 465 Chevrolet V8 Cyl (1990-1994)			4.470in./113.5mm x 4.000in./101.6mm					
	502 CID (8.2L) Mark IV Bravo,Mark IV Magnum Chevrolet V8 Cyl (1990-1992)			4.470in./113.5mm x 4.000in./101.6mm					
	502 CID (8.2L) Mark V 465,Mark V 500,Mark V Bravo,Mark V Magnum Chevrolet V8 Cyl (1990-1995)			4.470in./113.5mm x 4.000in./101.6mm					
	502 CID (8.2L) Mark V MIE Chevrolet V8 Cyl (1992-1995)			4.470in./113.5mm x 4.000in./101.6mm					
Main Bearing Set TM-77 MS-1748P-10 20 1-2-3-4 MB-3123P 5 MB-2404P(F) NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter				2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.1087 0.0937	2.9570/2.9580 2.9370/2.9380	1.0440 1.8110	
Cam Bearing Set B-1 SH-616S STD 1 SH-615 2-5 SH-616 3-4 SH-617				1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205	0.8700 0.9900 0.9900	
Rod Forging 3856239, 3856240, 3933174 C/S Forging 3521, 7416, 353039, 359730, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638									
Connecting Rod 45 To 55 Lbs.Ft. Main Bearing 110 To 120 Lbs.Ft. (High Performance Engine) Main Bearing 90 To 100 Lbs.Ft. (Except High Performance)									
17	496 CID/8135CC (8.1L) Vortec 8100 L18 OHV Chevrolet V8 Cyl (2001-2003)			4.252in./108mm x 4.370in./111mm				17	
Rod Bearing(8) AL-5 CB-743A-10 20,30				2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920	
Rod Bearing(8) TM-77 CB-743P STD,1,2,10,20,30,40,50,C60				2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920	
Main Bearing Set AL-5 MS-2235AL STD,10,20 1-2-3-4 MB-3774AL 5 MB-3775AL(F)				2.7482/2.7489 2.7482/2.7489	0.0010/0.0033 0.0005/0.0022	0.0937 0.0940	2.9370/2.9380 2.9373/2.9378	1.0470 1.8110	
Cam Bearing Set B-1 SH-616S STD 1 SH-615 2-5 SH-616 3-4 SH-617				1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205	0.8700 0.9900 0.9900	
NISSAN MARINE									
ENGINE DATA									
Engine		Bore & Stroke		Block					
		6 CYL							
SD33T Nissan 3246CC (3.2L) Diesel Turbocharged		3.268in./83mmX3.937in./100mm		1					
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL									
1	3246CC (3.2L) SD33T Nissan Turbocharged Diesel 6 Cyl			3.268in./83mm x 3.937in./100mm				1	
Rod Bearing(6) TM-1 CB-988P STD,.25mm,.50mm,.75mm				2.0832/2.0837	0.0014/0.0034	0.0590	2.2042/2.2047	1.0230	
Main Bearing Set TM-1 MS-1332P STD 1-2-3-4 MB-642P NOTE: Requires Thrust Washer Set, Not Included				2.7916/2.7921	0.0014/0.0034	0.0790	2.9520/2.9528	1.2650	
Cam Bearing Set B-1 SH-952S STD 1 SH-772 2-3 SH-765 4 SH-774 NOTE: Thru 4/79				1.7887/1.7892 1.7282/1.7287 1.6228/1.6233	0.0010/0.0040 0.0015/0.0046 0.0009/0.0040	0.0624 0.0624 0.0624	1.9150/1.9160 1.8550/1.8560 1.7490/1.7500	0.5610 0.8760 0.9550	



NISSAN MARINE (Cont.)											
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL (Cont.)											
1 (Cont.)	3246CC (3.2L) SD33T Nissan Turbocharged Diesel 6 Cyl					3.268in./83mm x 3.937in./100mm					1 (Cont.)
Connecting Rod		37 Lbs.Ft.									
Main Bearing		123 To 127 Lbs.Ft.									
OSCO MARINE											
ENGINE DATA											
Engine		Bore & Stroke		Block		Engine		Bore & Stroke		Block	
300 Ford 300 CID (4.9L)		4.000in./101.6mmX3.980in./101.1mm		1		8 CYL (Cont.)					
Ford 300 CID (4.9L)		4.000in./101.6mmX3.980in./101.1mm		1							
215 Ford 302 CID (5.0L)		4.000in./101.6mmX3.000in./76.2mm		2		240 Ford Windsor 351 CID (5.8L)		4.000in./101.6mmX3.500in./88.9mm		3	
225 Ford 302 CID (5.0L)		4.000in./101.6mmX3.000in./76.2mm		2		250 Ford Windsor 351 CID (5.8L)		4.000in./101.6mmX3.500in./88.9mm		3	
235 Ford Windsor 351 CID (5.8L)		4.000in./101.6mmX3.500in./88.9mm		3		255 Ford Windsor 351 CID (5.8L)		4.000in./101.6mmX3.500in./88.9mm		3	
						455 Oldsmobile 455 CID (7.5L)		4.125in./104.8mmX4.250in./108mm		4	
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
21A-6200	3.000in./76.2mm	2	C2OE	3.000in./76.2mm	2	C3AE-J	3.000in./76.2mm	2	C3OE-A	3.000in./76.2mm	2
91A-6200	3.000in./76.2mm	2	C3AE-A	3.000in./76.2mm	2	C8DE	3.000in./76.2mm	2	C9OE	3.500in./88.9mm	3
384759	4.250in./108mm	4	C3AE-D	3.000in./76.2mm	2	C8OE-A	3.000in./76.2mm	2	D6OE	3.500in./88.9mm	3
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1J	3.000in./76.2mm	2	3C	3.500in./88.9mm	3	230908	4.250in./108mm	4	C3AE-F	3.000in./76.2mm	2
1M	3.000in./76.2mm	2	3M	3.500in./88.9mm	3	397303	4.250in./108mm	4	C3OE-B	3.000in./76.2mm	2
1MA	3.000in./76.2mm	2	3MA	3.500in./88.9mm	3	397363	4.250in./108mm	4	C3OZ	3.000in./76.2mm	2
2M	3.000in./76.2mm	2	7M	3.500in./88.9mm	3	400934	4.250in./108mm	4	C9ZE-A	3.000in./76.2mm	2
2MA	3.000in./76.2mm	2	7MA	3.500in./88.9mm	3	403707	4.250in./108mm	4	C2OZ-A	3.000in./76.2mm	2
2MAB	3.000in./76.2mm	2	230331	4.250in./108mm	4	405954	4.250in./108mm	4	C8OE-B	3.000in./76.2mm	2
2MAC	3.000in./76.2mm	2	230377	4.250in./108mm	4	C0E-A	3.000in./76.2mm	2	C9OE-A	3.500in./88.9mm	3
2MAD	3.000in./76.2mm	2	230378	4.250in./108mm	4	C2OE-A	3.000in./76.2mm	2	GS-M	3.000in./76.2mm	2
2MAE	3.000in./76.2mm	2	230907	4.250in./108mm	4	C2OZ	3.000in./76.2mm	2			
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes			Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
6 CYL											
1	300 CID (4.9L) ,300 Ford 6 Cyl					4.000in./101.6mm x 3.980in./101.1mm					1
Rod Bearing(6)	TM-77	CB-699P	STD,1,2,10,20,30,40,C60			2.1228/2.1236	0.0002/0.0028	0.0756	2.2750/2.2758	0.8000	
Rod Bearing(6)	TM-77	CB-1799P-10	20,30,40			2.1228/2.1236	0.0002/0.0028	0.0766	2.2770/2.2778	0.8000	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock											
Main Bearing Set	TM-77	MS-765P	STD,10,30			2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	0.9700	
1-2-3-4-6-7		MB-2553P									
5		MB-2296P(F)				2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	1.1950	
NOTE: Engines With 3.368" Main Bearing Flange Outside Diameter											
Main Bearing Set	TM-77	MS-979P	STD,1,10,20,30,40,C60			2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	0.9700	
1-2-3-4-6-7		MB-2553P									
5		MB-2554P(F)				2.3982/2.3990	0.0005/0.0031	0.0955	2.5902/2.5910	1.1950	
NOTE: Engines With 3.567" Main Bearing Flange Outside Diameter, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing											
Cam Bearing Set	AL-3	SH-567S	STD,10			2.0170/2.0180	0.0010/0.0050	0.0625	2.1440/2.1450	0.8700	
1-2-3-4		SH-567									
NOTE: Thru 5/14/85											
Cam Bearing Set	AL-3	SH-1254S	STD			2.0170/2.0180	0.0010/0.0050	0.0695	2.1580/2.1589	0.8700	
1-4		SH-1254									
2-3		SH-567				2.0170/2.0180	0.0010/0.0050	0.0625	2.1440/2.1450	0.8700	
NOTE: From 5/15/85											
Connecting Rod		40 To 45 Lbs.Ft.									
Main Bearing		60 To 70 Lbs.Ft.									



OSCO MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL								
2	302 CID (5.0L) 215,225 Ford V8 Cyl			4.000in./101.6mm x 3.000in./76.2mm				2
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	AL-5	MS-590A-10 MB-2121A MB-2122A(F)	20,30	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
Main Bearing Set 1-2-4-5 3	TM-77	MS-590P MB-2121P MB-2122P(F)	STD,1,10,20,30,40	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
Main Bearing Set 1-2-4-5 3	TM-77	MS-1746P-10 MB-2121P MB-3124P(F)	20,30	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3 4 5	B-1	SH-510S SH-510 SH-511 SH-512 SH-513 SH-514	STD	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700
Rod Forging C/S Forging	C20E, C8DE, C30E-A, C3AE-A, C3AE-D, C3AE-J, C80E-A, 21A-6200, 91A-6200 1J, 1M, 2M, 1MA, 2MA, 2MAB, 2MAC, 2MAD, 2MAE, C20Z, C30Z, GS-M, C0E-A, C20Z-A, C20E-A, C3AE-F, C30E-B, C80E-B, C9ZE-A							
Connecting Rod Main Bearing	19 To 24 Lbs.Ft. 60 To 70 Lbs.Ft.							
3	351 CID (5.8L) 235,240,250,255 Ford Windsor V8 Cyl			4.000in./101.6mm x 3.500in./88.9mm				3
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	TM-77	MS-981P MB-2557P MB-2558P(F)	STD,1,10,20,30,40	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: Thru 1976, Full Grooved Main Bearings								
Main Bearing Set 1-2-4-5 3	AL-5	MS-1432A-10 MB-2754A MB-2558A(F)	20,30	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Main Bearing Set 1-2-4-5 3	TM-77	MS-1432P MB-2754P MB2558P(F)	STD,1,10,20,30,40	2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Cam Bearing Set 1 2 3 4 5	B-1	SH-510S SH-510 SH-511 SH-512 SH-513 SH-514	STD	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700
Rod Forging C/S Forging	C90E, D60E 3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.							
4	455 CID (7.5L) 455 Oldsmobile V8 Cyl (1968-1976)			4.125in./104.8mm x 4.250in./108mm				4
Rod Bearing(8)	TM-77	CB-542P	STD,1,10,20,30,40	2.4988/2.4998	0.0007/0.0032	0.0620	2.6245/2.6250	0.8310



COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length

4 (Cont.)	455 CID (7.5L) 455 Oldsmobile V8 Cyl (1968-1976)	4.125in./104.8mm x 4.250in./108mm	4 (Cont.)

Rod Forging	384759
C/S Forging	230331, 230377, 230378, 230907, 230908, 397303, 397363, 400934, 403707, 405954
Connecting Rod	32 To 42 Lbs.Ft.
Main Bearing	90 To 120 Lbs.Ft.

ENGINE DATA	

Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block
4 CYL			8 CYL (Cont.)		
3.0 Litre Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	1	170 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	8
130 Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	1	175 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	8
140 Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	1	185 Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm	6
181 Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm	1	185 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	9
6 CYL			190 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	8
3.8 Litre Chevrolet 229 CID (3.8L)	3.736in./95mmX3.484in./88.5mm	3	200 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	9
4.3 Litre Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	5	210 Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	9
165 Chevrolet 250 CID (4.1L)	3.875in./98.4mmX3.531in./89.7mm	4	215 Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	9
205 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	5	225 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	9
262 King Cobra Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	5	225 Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	9
Cobra 175 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm	5	230 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	9
HU14D Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	2	235 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10
HU15S Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	2	240 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10
HU16 Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	2	245 Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	9
HUE14D Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	2	250 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	9
HUE15S Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	2	250 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10
HUE16C Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm	2	260 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	9
8 CYL			270 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	9
5.0 Litre Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	9	302 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	8
5.0 Litre H.O. Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm	9	350 King Cobra Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	9
5.7 Litre Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm	9	454 Magnum Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	11
5.8 Litre Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10	Buick 300 CID (4.9L)	3.750in./95.3mmX3.400in./86.4mm	7
148 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	8	MCM330 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm	11
155 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	8	SDX235 Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	9
			SDX245 Chevrolet 307 CID (5.0L)	3.875in./98.4mmX3.250in./82.6mm	9

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
201	3.400in./86.4mm	2	3185281	3.250in./82.6mm	9	3815281	3.000in./76.2mm	6	3946841	3.484in./88.5mm	9
220	3.400in./86.4mm	2	3703526	3.000in./76.2mm	6	3815281	3.250in./82.6mm	9	3977110	3.531in./89.7mm	4
673	3.400in./86.4mm	2	3703526	3.250in./82.6mm	9	3837419	3.531in./89.7mm	4	9793328	3.531in./89.7mm	4
763	3.400in./86.4mm	2	3703527	3.000in./76.2mm	6	3856239	4.000in./101.6mm	11	25509405	3.400in./86.4mm	2
779	3.400in./86.4mm	2	3703527	3.250in./82.6mm	9	3856240	4.000in./101.6mm	11	C90E	3.500in./88.9mm	10
1357201	3.400in./86.4mm	2	3784000	3.000in./76.2mm	6	3892671	3.484in./88.5mm	9	D60E	3.500in./88.9mm	10
1357333	3.400in./86.4mm	2	3784000	3.250in./82.6mm	9	3916396	3.484in./88.5mm	9			
1377248	3.400in./86.4mm	2	3788435	3.531in./89.7mm	4	3923282	3.484in./88.5mm	9			
1377248	3.400in./86.4mm	7	3788437	3.531in./89.7mm	4	3933174	4.000in./101.6mm	11			



OUTBOARD MARINE CORP. (Cont.)

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
3C	3.500in./88.9mm	10	353039	4.000in./101.6mm	11	3734627	3.000in./76.2mm	6	3941184	3.484in./88.5mm	9
3M	3.500in./88.9mm	10	359730	4.000in./101.6mm	11	3735236	3.000in./76.2mm	6	3962523	4.000in./101.6mm	11
3MA	3.500in./88.9mm	10	378354	3.400in./86.4mm	2	3832442	3.484in./88.5mm	9	3963523	4.000in./101.6mm	11
7M	3.500in./88.9mm	10	391101A	3.250in./82.6mm	9	3835236TG	3.000in./76.2mm	6	3963524	4.000in./101.6mm	11
7MA	3.500in./88.9mm	10	460407	3.531in./89.7mm	4	3836236	3.000in./76.2mm	6	3967463	4.000in./101.6mm	11
1130	3.250in./82.6mm	9	480407	3.531in./89.7mm	4	3836266	3.000in./76.2mm	6	3975945	4.000in./101.6mm	11
1178	3.000in./76.2mm	6	1254083	3.400in./86.4mm	2	3837266	3.000in./76.2mm	6	4568749	3.484in./88.5mm	9
1178	3.250in./82.6mm	9	1255645	3.400in./86.4mm	2	3838266	3.000in./76.2mm	6	9790154	3.531in./89.7mm	4
1182	3.484in./88.5mm	9	1255646	3.400in./86.4mm	2	3849847	3.000in./76.2mm	6	25505554	3.400in./86.4mm	2
2680	3.250in./82.6mm	9	1255674	3.400in./86.4mm	2	3855914	3.531in./89.7mm	4	25506397	3.400in./86.4mm	2
2690	3.484in./88.5mm	9	1255846	3.400in./86.4mm	2	3876764	3.000in./76.2mm	6	25506818	3.400in./86.4mm	2
3279	3.000in./76.2mm	6	1255862	3.400in./86.4mm	2	3876768	3.000in./76.2mm	6	25509404	3.400in./86.4mm	2
3279	3.250in./82.6mm	9	1257125	3.400in./86.4mm	2	3876802	3.531in./89.7mm	4	25514290	3.400in./86.4mm	2
3521	4.000in./101.6mm	11	1260877	3.400in./86.4mm	2	3876804	3.531in./89.7mm	4	25520329	3.400in./86.4mm	2
4577	3.250in./82.6mm	9	1261438	3.400in./86.4mm	2	3876840	3.531in./89.7mm	4	C90E-A	3.500in./88.9mm	10
4672	3.250in./82.6mm	9	1261787	3.400in./86.4mm	2	3911000	3.250in./82.6mm	9	N3937	3.600in./91.4mm	1
6764	3.000in./76.2mm	6	1357898	3.400in./86.4mm	2	3911001	3.250in./82.6mm	9	N140966	3.600in./91.4mm	1
7416	4.000in./101.6mm	11	1357899	3.400in./86.4mm	7	3911011	3.250in./82.6mm	9	N353039	4.000in./101.6mm	11
14096	3.600in./91.4mm	1	1378350	3.400in./86.4mm	7	3912335	3.484in./88.5mm	9	N393775	3.600in./91.4mm	1
230277	3.400in./86.4mm	2	1378351	3.400in./86.4mm	2	3914681	3.250in./82.6mm	9	N853039	4.000in./101.6mm	11
230278	3.400in./86.4mm	2	1378354	3.400in./86.4mm	2	3914682	3.250in./82.6mm	9	N853638	4.000in./101.6mm	11
230378	3.400in./86.4mm	2	3727449	3.000in./76.2mm	6	3930809	3.250in./82.6mm	9	N3941352	3.600in./91.4mm	1
306275	3.484in./88.5mm	9	3727499	3.000in./76.2mm	6	3932444	3.484in./88.5mm	9			
306276	3.484in./88.5mm	9	3729449	3.000in./76.2mm	6	3941172	3.250in./82.6mm	9			
310514	3.484in./88.5mm	9	3732444	3.484in./88.5mm	9	3941174	3.250in./82.6mm	9			

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	181 CID (3.0L) 130,140,181,3.0 Litre Chevrolet 4 Cyl			4.000in./101.6mm x 3.600in./91.4mm				1
Rod Bearing(4)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(4)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(4)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(4)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-1733P	STD,1,10,20,30,40					
1-2-3-4		MB-3135P		2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
5		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Cam Bearing Set	AL-3	SH-1030S	STD,10					
1-2-3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
6 CYL								
2	225 CID (3.7L) HU14D,HU15S,HU16,HUE14D,HUE15S,HUE16C Buick V6 Cyl			3.750in./95.3mm x 3.400in./86.4mm				2
Rod Bearing(6)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set	TM-77	MS-960P	STD,1,10,20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-2434P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0580
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
Main Bearing Set	TM-77	MS-1688P-10	20					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3063P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0780
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1747P-10	20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3125P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0680
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-506S	STD					
1		SH-506		1.7550/1.7560	0.0010/0.0060	0.0643	1.8855/1.8875	0.7600
2		SH-363		1.7250/1.7260	0.0010/0.0060	0.0643	1.8555/1.8575	0.7600
3		SH-364		1.6950/1.6960	0.0010/0.0060	0.0643	1.8255/1.8275	0.7600
4		SH-365		1.6650/1.6660	0.0010/0.0060	0.0643	1.7955/1.7975	0.7600



OUTBOARD MARINE CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
2 (Cont.)	225 CID (3.7L) HU14D,HU15S,HU16,HUE14D,HUE15S,HUE16C Buick V6 Cyl				3.750in./95.3mm x 3.400in./86.4mm			2 (Cont.)
Rod Forging	201, 220, 673, 763, 779, 1357201, 1357333, 1377248, 25509405							
C/S Forging	230277, 230278, 230378, 378354, 1254083, 1255645, 1255646, 1255674, 1255846, 1255862, 1257125, 1260877, 1261438, 1261787, 1357898, 1378351, 1378354, 25505554, 25506397, 25506818, 25509404, 25514290, 25520329							
Connecting Rod	30 To 40 Lbs.Ft.							
Main Bearing	65 To 70 Lbs.Ft. (Thru 1964)							
Main Bearing	95 To 120 Lbs.Ft. (From 1965)							
3	229 CID (3.8L) 3.8 Litre Chevrolet V6 Cyl				3.736in./95mm x 3.484in./88.5mm			3
Rod Bearing(6)	TM-77	CB-1227P	STD,1,10,20,30,40	2.0990/2.1000	0.0003/0.0033	0.0622	2.2247/2.2257	0.7130
Main Bearing Set	AL-5	MS-1454A-10	20,30					
1-2-3		MB-2508A		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set	TM-77	MS-1454P	STD,1,10,20,30,40					
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set	TM-77	MS-1628P-10	20,30					
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1684P-20						
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-3060P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-2215P-10	20,30					
1-2-3		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-3119P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	AL-3	SH-1350S	STD,10					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-4		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
Connecting Rod	45 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							
4	250 CID (4.1L) 165 Chevrolet 6 Cyl				3.875in./98.4mm x 3.531in./89.7mm			4
Rod Bearing(6)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-617P	STD,1,10,20,30,40					
1-2-3-4-5-6		MB-3135P		2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
7		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Cam Bearing Set	AL-3	SH-399S	STD,10					
1-4		SH-399		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
2-3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
NOTE: Thru 1970								
Cam Bearing Set	AL-3	SH-718S	STD,10					
1-2-3-4		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
NOTE: From 1971								
Rod Forging	3788435, 3788437, 3837419, 3977110, 9793328							
C/S Forging	460407, 480407, 3855914, 3876802, 3876804, 3876840, 9790154							
Connecting Rod	35 To 45 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
5	262 CID (4.3L) 205,262 King Cobra,4.3 Litre,Cobra 175 Chevrolet V6 Cyl				4.000in./101.6mm x 3.484in./88.5mm			5
Rod Bearing(6)	AL-5	CB-1358A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	TM-77	CB-1358P	STD,1,10,20,30,40	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	AL-5	CB-1794A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1794P-10	20,30,40	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-1454A-10	20,30					
1-2-3		MB-2508A		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180



OUTBOARD MARINE CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
5 (Cont.)	262 CID (4.3L) 205,262 King Cobra,4.3 Litre,Cobra 175 Chevrolet V6 Cyl			4.000in./101.6mm x 3.484in./88.5mm				5 (Cont.)
Main Bearing Set 1-2-3 4	TM-77	MS-1454P MB-2508P MB-2509P(F)	STD,1,10,20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3 4	TM-77	MS-1628P-10 MB-2508P MB-2981P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-1684P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-2215P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955 0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-4 3	AL-3	SH-1350S SH-1349 SH-1350 SH-1351	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: Except Engines Stamped With Identification Number Located On Front Of Block Starting With "T"								
Cam Bearing Set 1-4 2 3	AL-3	SH-1351S SH-1349 SH-1351 SH-1350	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0644 0.0694	2.0190/2.0210 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500
NOTE: Engines Stamped With Identification Number On Front Of Block Starting With "T"								
Connecting Rod 45 Lbs.Ft. Main Bearing 70 Lbs.Ft.								
8 CYL								
6	283 CID (4.6L) 185 Chevrolet V8 Cyl			3.875in./98.4mm x 3.000in./76.2mm				6
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set 1-2-3-4 5	TM-77	MS-429P MB-3135P MB-1769P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2978/2.2988	0.0003/0.0033 0.0011/0.0041	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
Cam Bearing Set 1 2 3-4 5	B-1	SH-287S SH-290 SH-288 SH-287 SH-289	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644 0.0694	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500 0.9500
NOTE: Thru 1963								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: From 1964								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: From 1964,Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: From 1964,Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3703526, 3703527, 3784000, 3815281							
C/S Forging	1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3835236TG							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft. (2.298" Diameter Main Bearing Journals)							
7	300 CID (4.9L) Buick V8 Cyl (1964-1967)			3.750in./95.3mm x 3.400in./86.4mm				7
Rod Bearing(8)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420



OUTBOARD MARINE CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
7 (Cont.)	300 CID (4.9L) Buick V8 Cyl (1964-1967)				3.750in./95.3mm x 3.400in./86.4mm			7 (Cont.)
Main Bearing Set 1-2-4	TM-77	MS-961P	STD,10,20,30	2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0580
5		MB-2434P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
		MB-2491P						
Main Bearing Set 1-2-4	TM-77	MS-1689P-20	30	2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0780
5		MB-3063P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
		MB-2491P						
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-4	TM-77	MS-1691P-20	30	2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0980
5		MB-3064P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
		MB-2491P						
NOTE: Contains .040" Oversize Length Flanged Bearing								
Rod Forging	1377248							
C/S Forging	1357899, 1378350							
Connecting Rod	30 To 40 Lbs.Ft.							
Main Bearing	50 To 55 Lbs.Ft. (Except Rear Bearing Cap)(1964)							
Main Bearing	65 To 70 Lbs.Ft. (Rear Bearing Cap)(1964)							
Main Bearing	95 To 120 Lbs.Ft. (1965-1967)							
8	302 CID (5.0L) 148,155,170,175,190,302 Ford V8 Cyl				4.000in./101.6mm x 3.000in./76.2mm			8
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	AL-5	MS-590A-10	20,30	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2121A		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
		MB-2122A(F)						
Main Bearing Set 1-2-4-5	TM-77	MS-590P	STD,1,10,20,30,40	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2121P		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330
		MB-2122P(F)						
Main Bearing Set 1-2-4-5	TM-77	MS-1746P-10	20,30	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2121P		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1430
		MB-3124P(F)						
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1	B-1	SH-510S	STD	2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-510		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-511		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-512		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-513		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
		SH-514						
Connecting Rod	19 To 24 Lbs.Ft. (1965-1967)							
Main Bearing	60 To 70 Lbs.Ft.							
9	305 CID (5.0L) 185,200,225,230,5.0 Litre H.O. Chevrolet V8 Cyl				3.736in./95mm x 3.484in./88.5mm			9
	307 CID (5.0L) 210,215,225,245,SDX235,SDX245 Chevrolet V8 Cyl				3.875in./98.4mm x 3.250in./82.6mm			
	350 CID (5.7L) 250,260,270,350 King Cobra,5.7 Litre Chevrolet V8 Cyl				4.000in./101.6mm x 3.484in./88.5mm			
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4	AL-5	MS-909A-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508A		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
		MB-2509A(F)						



OUTBOARD MARINE CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
9 (Cont.)	305 CID (5.0L) 185,200,225,230,5.0 Litre,5.0 Litre H.O. Chevrolet V8 Cyl			3.736in./95mm x 3.484in./88.5mm				9 (Cont.)
	307 CID (5.0L) 210,215,225,245,SDX235,SDX245 Chevrolet V8 Cyl			3.875in./98.4mm x 3.250in./82.6mm				
	350 CID (5.7L) 250,260,270,350 King Cobra,5.7 Litre Chevrolet V8 Cyl			4.000in./101.6mm x 3.484in./88.5mm				
Main Bearing Set	TM-77	MS-909P	STD,1,2,10,20,30,40,C60					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1626P-10	20,30,40					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1683P-20						
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-3060P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1744P-10	20,30					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-3119P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-290S	STD,10					
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
Cam Bearing Set	AL-3	SH-1349S	STD					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set	AL-3	SH-1352S	STD					
1-2-3-4-5		SH-1352		1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set	AL-3	SH-1401S	STD					
1-2-3-4-5		SH-1401		1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3185281, 3703526, 3703527, 3784000, 3815281, 3892671, 3916396, 3923282, 3946841							
C/S Forging	1130, 1178, 1182, 2680, 2690, 3279, 4577, 4672, 306275, 306276, 310514, 3732444, 3832442, 3911000, 3911001, 3911011, 391101A, 3912335, 3914681, 3914682, 3930809, 3932444, 3941172, 3941174, 3941184, 4568749							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
10	351 CID (5.8L) 235,240,250,5.8 Litre Ford Windsor V8 Cyl			4.000in./101.6mm x 3.500in./88.9mm				10
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-981P	STD,1,10,20,30,40					
1-2-4-5		MB-2557P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Thru 1976, Full Grooved Main Bearings								
Main Bearing Set	AL-5	MS-1432A-10	20,30					
1-2-4-5		MB-2754A		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558A(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Main Bearing Set	TM-77	MS-1432P	STD,1,10,20,30,40					
1-2-4-5		MB-2754P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								



OUTBOARD MARINE CORP. (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
10 (Cont.)	351 CID (5.8L) 235,240,250,5.8 Litre Ford Windsor V8 Cyl			4.000in./101.6mm x 3.500in./88.9mm				10 (Cont.)
Cam Bearing Set	B-1	SH-510S	STD					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	C90E, D60E							
C/S Forging	3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
11	454 CID (7.4L) 454 Magnum,MCM330 Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm				11
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set	AL-5	MS-829A-10	20,30					
1-2-3-4		MB-2403A		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404A(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set	TM-77	MS-829P	STD,1,10,20,30,40					
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
Main Bearing Set	TM-77	MS-1745P-10	20,30					
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-3120P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1748P-10	20					
1-2-3-4		MB-3123P		2.7482/2.7492	0.0007/0.0032	0.1087	2.9570/2.9580	1.0440
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set	B-1	SH-616S	STD					
1		SH-615		1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700
2-5		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900
Rod Forging	3856239, 3856240, 3933174							
C/S Forging	3521, 7416, 353039, 359730, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							
PALMER MARINE								
ENGINE DATA								
Engine	Bore & Stroke	Block	Engine	Bore & Stroke	Block			
4 CYL			8 CYL (Cont.)					
4-196 International 196 CID (3.2L)	4.125in./104.8mmX3.656in./92.9mm	2	225 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	8			
C60 International 60 CID (1.0L)	2.625in./66.7mmX2.750in./69.9mm	1	351 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm	10			
			Aluminum Block & Heads Buick 215 CID (3.5L)	3.500in./88.9mmX2.800in./71.1mm	7			
6 CYL								
BD240 International 240 CID (3.9L)	3.563in./90.5mmX4.016in./102mm	4	MV404 International 404 CID (6.6L)	4.125in./104.8mmX3.750in./95.3mm	12			
BD264 International 264 CID (4.3L)	3.688in./93.7mmX4.125in./104.8mm	4	V304 International 304 CID (5.0L)	3.875in./98.4mmX3.219in./81.8mm	9			
BD308 International 308 CID (5.0L)	3.813in./96.9mmX4.500in./114.3mm	5	V345 International 345 CID (5.6L)	3.875in./98.4mmX3.656in./92.9mm	9			
GO339 Hercules 339 CID (5.6L)	4.000in./101.6mmX4.500in./114.3mm	6	V392 International 392 CID (6.4L)	4.125in./104.8mmX3.656in./92.9mm	9			
QXD Hercules 230 CID (3.8L)	3.438in./87.33mmX4.125in./104.8mm	3	V401 International 401 CID (6.6L)	4.125in./104.8mmX3.750in./95.3mm	11			
SD240 International 240 CID (3.9L)	3.563in./90.5mmX4.016in./102mm	4	V461 International 461 CID (7.6L)	4.125in./104.8mmX4.313in./109.6mm	11			
8 CYL			V549 International 549 CID (9.0L)	4.500in./114.3mmX4.313in./109.6mm	11			
			VS401 International 401 CID (6.6L)	4.125in./104.8mmX3.750in./95.3mm	11			
215 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm	8						



PALMER MARINE (Cont.)

CONNECTING ROD FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
21A-6200	3.000in./76.2mm	8	70009R2	4.125in./104.8mm	4	216114R1	3.656in./92.9mm	9	C3AE-D	3.000in./76.2mm	8
91A-6200	3.000in./76.2mm	8	116390H	4.500in./114.3mm	5	251246R1	2.750in./69.9mm	1	C3AE-J	3.000in./76.2mm	8
205	2.800in./71.1mm	7	133512R3	4.313in./109.6mm	11	251246R3	2.750in./69.9mm	1	C8DE	3.000in./76.2mm	8
62930R1	4.500in./114.3mm	5	133512R3	3.750in./95.3mm	11	309253C1	3.656in./92.9mm	9	C8OE-A	3.000in./76.2mm	8
62930R4	4.500in./114.3mm	5	133521R3	4.313in./109.6mm	11	527457R11	2.750in./69.9mm	1	C30E-A	3.000in./76.2mm	8
62930R5	4.500in./114.3mm	5	133521R3	3.750in./95.3mm	11	1193339	2.800in./71.1mm	7	C90E	3.500in./88.9mm	10
70009R1	4.016in./102mm	4	133524R3	4.313in./109.6mm	11	B7B	2.800in./71.1mm	7	D60E	3.500in./88.9mm	10
70009R1	4.125in./104.8mm	4	133524R3	3.750in./95.3mm	11	C2OE	3.000in./76.2mm	8			
70009R2	4.016in./102mm	4	215264R1	2.750in./69.9mm	1	C3AE-A	3.000in./76.2mm	8			

CRANKSHAFT FORGING NUMBERS

Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1J	3.000in./76.2mm	8	46829B	4.125in./104.8mm	3	141779R1	4.125in./104.8mm	4	317268G1	3.656in./92.9mm	2
1M	3.000in./76.2mm	8	46829E	4.125in./104.8mm	3	141780R1	4.125in./104.8mm	4	351264R1	2.750in./69.9mm	1
1MA	3.000in./76.2mm	8	46831E	4.125in./104.8mm	3	151045R1	3.219in./81.8mm	9	357247R1	2.750in./69.9mm	1
2M	3.000in./76.2mm	8	47830D	4.125in./104.8mm	3	151046R1	3.219in./81.8mm	9	391930	3.219in./81.8mm	9
2MA	3.000in./76.2mm	8	70118R1	4.016in./102mm	4	151046R2	3.219in./81.8mm	9	817268R1	3.656in./92.9mm	2
2MAB	3.000in./76.2mm	8	82856	4.313in./109.6mm	11	151327R1	3.656in./92.9mm	9	852856	4.313in./109.6mm	11
2MAC	3.000in./76.2mm	8	116447H	4.500in./114.3mm	5	151327R2	3.656in./92.9mm	9	1193645	2.800in./71.1mm	7
2MAD	3.000in./76.2mm	8	118530H	3.750in./95.3mm	11	151328R2	3.656in./92.9mm	9	4505959	4.500in./114.3mm	6
2MAE	3.000in./76.2mm	8	118530R1	4.313in./109.6mm	11	166088R1	4.125in./104.8mm	4	C0E-A	3.000in./76.2mm	8
3C	3.500in./88.9mm	10	123441R3	4.313in./109.6mm	11	242880R91	3.750in./95.3mm	11	C2OE-A	3.000in./76.2mm	8
3M	3.500in./88.9mm	10	125932R1	4.500in./114.3mm	5	242881R91	3.750in./95.3mm	11	C2OZ	3.000in./76.2mm	8
3MA	3.500in./88.9mm	10	129532R1	4.500in./114.3mm	5	242882R91	4.313in./109.6mm	11	C3AE-F	3.000in./76.2mm	8
5X-403	4.500in./114.3mm	6	131440R3	3.750in./95.3mm	11	250026F	4.500in./114.3mm	6	C3OE-B	3.000in./76.2mm	8
7M	3.500in./88.9mm	10	133440R1	3.750in./95.3mm	11	251264R1	2.750in./69.9mm	1	C3OZ	3.000in./76.2mm	8
7MA	3.500in./88.9mm	10	133440R3	3.750in./95.3mm	11	256025E	4.500in./114.3mm	6	C9ZE-A	3.000in./76.2mm	8
41026	4.125in./104.8mm	3	133441R1	4.313in./109.6mm	11	261025E	4.500in./114.3mm	6	C20Z-A	3.000in./76.2mm	8
41026B	4.125in./104.8mm	3	133441R3	4.313in./109.6mm	11	285026E	4.500in./114.3mm	6	C8OE-B	3.000in./76.2mm	8
46827E	4.125in./104.8mm	3	133894R1	4.313in./109.6mm	11	285360E	4.500in./114.3mm	6	C90E-A	3.500in./88.9mm	10
46828B	4.125in./104.8mm	3	133894R3	4.313in./109.6mm	11	289878C91	3.750in./95.3mm	11	CF446-766C-1	3.750in./95.3mm	12
46828E	4.125in./104.8mm	3	133894R4	4.313in./109.6mm	11	296733C91	4.313in./109.6mm	11	GS-M	3.000in./76.2mm	8

COUNTER DATA

SHOP DATA

Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL								
1	60 CID (1.0L) C60 International 4 Cyl			2.625in./66.7mm x 2.750in./69.9mm				1
Rod Bearing(4)	TM-77	CB-310P	STD,2,10,20,30	1.4980/1.4990	0.0014/0.0035	0.0623	1.6245/1.6250	0.7610
NOTE: Connecting Rod Forging Number 251246R3								
Rod Bearing(4)	TM-112	CB-998P	STD,10,20,30	1.4980/1.4990	0.0014/0.0039	0.0623	1.6245/1.6250	0.6610
NOTE: Connecting Rod Forging Number 527457R11								
Main Bearing Set	TM-77	MS-306P	STD,10					
1-3		MB-1211P		1.6230/1.6240	0.0007/0.0033	0.0758	1.7760/1.7770	1.0620
2		MB-1212P(F)		1.6230/1.6240	0.0007/0.0033	0.0758	1.7760/1.7770	1.1825
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing								
Piston Pin Bushing(4)	C-1	223-3466	STD			0.0410	0.7550/0.7580	0.8850
NOTE: Requires Boring								
Rod Forging	215264R1, 251246R1, 251246R3, 527457R11							
C/S Forging	251264R1, 351264R1, 357247R1							
Connecting Rod	16 To 20 Lbs.Ft.							
Main Bearing	55 To 60 Lbs.Ft.							
2	196 CID (3.2L) 4-196 International 4 Cyl (1966-1980)			4.125in./104.8mm x 3.656in./92.9mm				2
Rod Bearing(4)	TM-112	CB-633P	STD,10,20	2.3730/2.3740	0.0016/0.0041	0.0622	2.4995/2.5000	0.9080
Main Bearing Set	TM-112	MS-516P	STD,10,20,30,40					
1-2-4-5		MB-1997P		2.7484/2.7494	0.0009/0.0039	0.0955	2.9410/2.9420	0.7260
3		MB-1998P(F)		2.7484/2.7494	0.0013/0.0043	0.0953	2.9410/2.9420	1.0550
Cam Bearing Set	B-1	SH-426S	STD					
1		SH-426		2.0990/2.1000	0.0010/0.0050	0.0648	2.2305/2.2320	0.7200
2		SH-427		2.0890/2.0900	0.0010/0.0050	0.0648	2.2205/2.2220	0.6550
3		SH-428		2.0790/2.0800	0.0010/0.0050	0.0648	2.2105/2.2120	0.6550
4		SH-429		2.0690/2.0700	0.0010/0.0050	0.0648	2.2005/2.2020	0.6550
5		SH-430		2.0590/2.0600	0.0010/0.0050	0.0648	2.1905/2.1920	0.7600
C/S Forging	317268G1, 817268R1							



PALMER MARINE (Cont.)									
COUNTER DATA				SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
4 CYL (Cont.)									
2 (Cont.)	196 CID (3.2L) 4-196 International 4 Cyl (1966-1980)				4.125in./104.8mm x 3.656in./92.9mm				2 (Cont.)
Connecting Rod	45 To 55 Lbs.Ft.								
Main Bearing	75 To 85 Lbs.Ft.								
6 CYL									
3	230 CID (3.8L) QXD Hercules 6 Cyl				3.438in./87.33mm x 4.125in./104.8mm				3
Rod Bearing(6)	TM-112	CB-341P	STD,10,20	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.0280	
Cam Bearing Set	B-1	SH-322S	STD						
1-4		SH-322		1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	1.0340	
2-3		SH-323		1.7490/1.7500	0.0020/0.0050	0.0617	1.8750/1.8755	0.5650	
C/S Forging	41026, 41026B, 46827E, 46828B, 46828E, 46829B, 46829E, 46831E, 47830D								
Connecting Rod	53 To 56 Lbs.Ft.								
Main Bearing	60 To 70 Lbs.Ft.								
4	240 CID (3.9L) BD240 International 6 Cyl (1962)				3.563in./90.5mm x 4.016in./102mm				4
	240 CID (3.9L) SD240 International 6 Cyl (1950-1969)				3.563in./90.5mm x 4.016in./102mm				
	264 CID (4.3L) BD264 International 6 Cyl (1955-1969)				3.688in./93.7mm x 4.125in./104.8mm				
Rod Bearing(6)	TM-112	CB-475P	STD,10,20,30,40	2.3730/2.3740	0.0014/0.0039	0.0623	2.4995/2.5000	1.1000	
Cam Bearing Set	B-1	SH-220S	STD						
1		SH-493		2.1090/2.1100	0.0005/0.0050	0.0648	2.2400/2.2415	1.1350	
2		SH-220		2.0890/2.0900	0.0005/0.0050	0.0648	2.2200/2.2215	1.0720	
3		SH-455		2.0690/2.0700	0.0005/0.0050	0.0648	2.2000/2.2015	1.0720	
4		SH-224		1.4995/1.5005	0.0005/0.0050	0.0648	1.6305/1.6320	1.3220	
Piston Pin Bushing(6)	B	223-3469	STD			0.0330	0.9305/0.9315	1.2650	
NOTE: Thru 1963, Requires Light Reaming									
Rod Forging	70009R1, 70009R2								
C/S Forging	70118R1, 141779R1, 141780R1, 166088R1								
Connecting Rod	45 To 55 Lbs.Ft.								
Main Bearing	75 To 85 Lbs.Ft.								
5	308 CID (5.0L) BD308 International 6 Cyl (1955-1969)				3.813in./96.9mm x 4.500in./114.3mm				5
Rod Bearing(6)	TM-112	CB-452P	STD,10,20	2.1220/2.1230	0.0012/0.0037	0.0564	2.2365/2.2370	1.1980	
Rod Forging	116390H, 62930R1, 62930R4, 62930R5								
C/S Forging	116447H, 125932R1, 129532R1								
Connecting Rod	75 To 85 Lbs.Ft.								
Main Bearing	100 To 110 Lbs.Ft.								
6	339 CID (5.6L) GO339 Hercules 6 Cyl				4.000in./101.6mm x 4.500in./114.3mm				6
Rod Bearing(6)	TM-112	CB-340P	STD,10,20,30,40	1.9870/1.9880	0.0010/0.0035	0.0730	2.1345/2.1350	1.1640	
NOTE: Engines with 2.00" Crankpins and 2.500" Main Journals, Contains 2 Shims									
Rod Bearing(6)	TM-112	CB-704P	STD,10,20,30	2.3730/2.3740	0.0013/0.0043	0.0756	2.5260/2.5270	1.1640	
NOTE: Engines with 2.375" Crankpins and 2.875" Main Journals									
Main Bearing Set	TM-112	MS-650P	STD,10						
1-2-3-5-6-7		MB-2185P		2.8734/2.8744	0.0012/0.0037	0.0956	3.0665/3.0670	1.0360	
4		MB-2092P(F)		2.8734/2.8744	0.0018/0.0043	0.0953	3.0665/3.0670	2.1190	
NOTE: Engines with 2.875" Main Journals, Upper And Lower Bearing Halves Have Locating Lug In The Same Position									
Cam Bearing Set	B-1	SH-562S	STD						
1-4		SH-561		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	1.0720	
2-3		SH-198		2.0530/2.0540	0.0005/0.0040	0.0660	2.1870/2.1880	0.8230	
C/S Forging	5X-403, 250026F, 256025E, 261025E, 285026E, 285360E, 4505959								
Connecting Rod	56 Lbs.Ft.								
Main Bearing	70 To 80 Lbs.Ft.								
8 CYL									
7	215 CID (3.5L) Aluminum Block & Heads Buick V8 Cyl (1961-1963)				3.500in./88.9mm x 2.800in./71.1mm				7
Rod Bearing(8)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420	
Main Bearing Set	TM-77	MS-558P	STD,10						
1-2-4-5		MB-3135P		2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070	
3		MB-2075P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0580	
Rod Forging	205, B7B, 1193339								
C/S Forging	1193645								



PALMER MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
7 (Cont.)	215 CID (3.5L) Aluminum Block & Heads Buick V8 Cyl (1961-1963)				3.500in./88.9mm x 2.800in./71.1mm			7 (Cont.)
Connecting Rod	30 To 45 Lbs.Ft.							
Main Bearing	50 To 55 Lbs.Ft. (Except Rear Bearing Cap)							
Main Bearing	65 To 70 Lbs.Ft. (Rear Bearing Cap)							
8	302 CID (5.0L) 215,225 Ford V8 Cyl				4.000in./101.6mm x 3.000in./76.2mm			8
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	AL-5	MS-590A-10	20,30	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2121A MB-2122A(F)						
Main Bearing Set 1-2-4-5	TM-77	MS-590P	STD,1,10,20,30,40	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2121P MB-2122P(F)						
Main Bearing Set 1-2-4-5	TM-77	MS-1746P-10	20,30	2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900
3		MB-2121P MB-3124P(F)						
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1	B-1	SH-510S	STD	2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-510		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-511		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-512		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-513		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	C2OE, C8DE, C30E-A, C3AE-A, C3AE-D, C3AE-J, C8OE-A, 21A-6200, 91A-6200							
C/S Forging	1J, 1M, 2M, 1MA, 2MA, 2MAB, 2MAC, 2MAD, 2MAE, C2OZ, C3OZ, GS-M, C0E-A, C20Z-A, C2OE-A, C3AE-F, C3OE-B, C8OE-B, C9ZE-A							
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
9	304 CID (5.0L) V304 International V8 Cyl (1959-1980)				3.875in./98.4mm x 3.219in./81.8mm			9
	345 CID (5.6L) V345 International V8 Cyl (1959-1982)				3.875in./98.4mm x 3.656in./92.9mm			
	392 CID (6.4L) V392 International V8 Cyl (1968-1982)				4.125in./104.8mm x 3.656in./92.9mm			
Rod Bearing(8)	TM-112	CB-581P	STD,1,2,10,20,30,40,C60	2.3730/2.3740	0.0016/0.0041	0.0622	2.4995/2.5000	0.9780
Main Bearing Set 1-2-4-5	TM-112	MS-516P	STD,10,20,30,40	2.7484/2.7494	0.0009/0.0039	0.0955	2.9410/2.9420	0.7260
3		MB-1997P MB-1998P(F)						
Cam Bearing Set 1	B-1	SH-426S	STD	2.0990/2.1000	0.0010/0.0050	0.0648	2.2305/2.2320	0.7200
2		SH-426		2.0890/2.0900	0.0010/0.0050	0.0648	2.2205/2.2220	0.6550
3		SH-427		2.0790/2.0800	0.0010/0.0050	0.0648	2.2105/2.2120	0.6550
4		SH-428		2.0690/2.0700	0.0010/0.0050	0.0648	2.2005/2.2020	0.6550
5		SH-429		2.0590/2.0600	0.0010/0.0050	0.0648	2.1905/2.1920	0.7600
Rod Forging	216114R1, 309253C1							
C/S Forging	391930, 151045R1, 151046R1, 151046R2, 151327R1, 151327R2, 151328R2							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	75 To 85 Lbs.Ft.							
10	351 CID (5.8L) 351 Ford Windsor V8 Cyl				4.000in./101.6mm x 3.500in./88.9mm			10
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	TM-77	MS-981P	STD,1,10,20,30,40	2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2557P MB-2558P(F)						
NOTE: Thru 1976, Full Grooved Main Bearings								



PALMER MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
10 (Cont.)	351 CID (5.8L) 351 Ford Windsor V8 Cyl				4.000in./101.6mm x 3.500in./88.9mm			10 (Cont.)
Main Bearing Set 1-2-4-5	AL-5	MS-1432A-10	20,30	2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2754A		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Main Bearing Set 1-2-4-5	TM-77	MS-1432P	STD,1,10,20,30,40	2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2754P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Cam Bearing Set 1	B-1	SH-510S	STD	2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-510		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-511		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-512		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-513		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	C90E, D60E							
C/S Forging	3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.							
11	401 CID (6.6L) V401 International V8 Cyl (1956-1975)				4.125in./104.8mm x 3.750in./95.3mm			11
	401 CID (6.6L) VS401 International V8 Cyl (1965-1975)				4.125in./104.8mm x 3.750in./95.3mm			
	461 CID (7.6L) V461 International V8 Cyl (1956-1964)				4.125in./104.8mm x 4.313in./109.6mm			
	549 CID (9.0L) V549 International V8 Cyl (1956-1972)				4.500in./114.3mm x 4.313in./109.6mm			
Rod Bearing(8)	TM-112	CB-473P	STD,10,20,30	2.6230/2.6240	0.0016/0.0041	0.0752	2.7755/2.7760	1.1650
Main Bearing Set 1-2-4-5	TM-112	MS-828P	STD	3.1240/3.1250	0.0011/0.0041	0.0951	3.3160/3.3170	0.8500
3		MB-2401P		3.1240/3.1250	0.0011/0.0041	0.0951	3.3160/3.3170	1.1940
NOTE: From Engine Serial Number 64556								
Cam Bearing Set 1	B-1	SH-681S	STD	2.3460/2.3470	0.0020/0.0065	0.0625	2.4740/2.4755	1.1970
2		SH-681		2.3160/2.3170	0.0005/0.0050	0.0628	2.4430/2.4445	1.0100
3		SH-351		2.2900/2.2910	0.0005/0.0050	0.0615	2.4145/2.4160	1.0100
4		SH-352		2.2460/2.2470	0.0020/0.0065	0.0625	2.3740/2.3755	1.0100
Piston Pin Bushing(8)	B	223-3502	STD			0.0610	1.4060/1.4075	1.3960
NOTE: Requires Boring								
Rod Forging	133512R3, 133521R3, 133524R3							
C/S Forging	82856, 852856, 118530H, 118530R1, 123441R3, 131440R3, 133440R1, 133440R3, 133441R1, 133441R3, 133894R1, 133894R3, 133894R4, 242880R91, 242881R91, 242882R91, 289878C91, 296733C91							
Connecting Rod Main Bearing	60 To 70 Lbs.Ft. 100 To 110 Lbs.Ft.							
12	404 CID (6.6L) MV404 International V8 Cyl (1975-1982)				4.125in./104.8mm x 3.750in./95.3mm			12
Rod Bearing(8)	TM-112	CB-1230P	STD,10,20,30,40	2.4980/2.4990	0.0016/0.0041	0.0622	2.6245/2.6250	0.9780
Main Bearing Set 1-2-4-5	TM-112	MS-1460P	STD,10,20,30	3.1228/3.1236	0.0031/0.0047	0.0953	3.3152/3.3160	0.8050
3		MB-2763P		3.1228/3.1236	0.0031/0.0047	0.0953	3.3152/3.3160	1.1300
NOTE: From 1977, Partial Grooved Main Bearings								
Cam Bearing Set 1	B-1	SH-1092S	STD	2.0990/2.1000	0.0009/0.0054	0.0638	2.2305/2.2320	0.7900
2-3-4-5		SH-1092		2.0990/2.1000	0.0009/0.0054	0.0638	2.2305/2.2320	0.6550
Piston Pin Bushing(8)	C-1	223-3584	STD			0.1244	1.1450/1.1460	0.9950
NOTE: Replaces Original Equipment Number 4467474C1 and 446474C1, Requires Boring								
C/S Forging	CF446-766C-1							
Connecting Rod Main Bearing	38 To 44 Lbs.Ft. 90 To 100 Lbs.Ft.							



PANTHER JET MARINE									
ENGINE DATA									
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block		
350 Oldsmobile 350 CID (5.7L)	4.057in./103mmX3.385in./86mm		1	460 Ford 460 CID (7.5L)	4.360in./110.7mmX3.850in./97.8mm		4		
400 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm		3	500 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm		3		
405 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm		3	L80 Oldsmobile 403 CID (6.6L)	4.351in./110.5mmX3.385in./86mm		2		
454 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm		3						
CONNECTING ROD FORGING NUMBERS									
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	
0997	3.385in./86mm	2	380383	3.385in./86mm	2	3856239	4.000in./101.6mm	3	
380282	3.385in./86mm	2	398410	3.385in./86mm	2	3856240	4.000in./101.6mm	3	
380283	3.385in./86mm	2	410997	3.385in./86mm	2	3933174	4.000in./101.6mm	3	
CRANKSHAFT FORGING NUMBERS									
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.
3521	4.000in./101.6mm	3	381269	3.385in./86mm	2	398621	3.385in./86mm	2	3963523
7416	4.000in./101.6mm	3	381919	3.385in./86mm	2	418882	3.385in./86mm	2	3963524
230276	3.385in./86mm	2	388766	3.385in./86mm	2	556607	3.385in./86mm	2	3967463
230376	3.385in./86mm	2	390275	3.385in./86mm	2	1235419	3.385in./86mm	2	3975945
230905	3.385in./86mm	2	393654	3.385in./86mm	2	1375802	3.385in./86mm	2	N353039
353039	4.000in./101.6mm	3	395654	3.385in./86mm	2	1398346	3.385in./86mm	2	N853039
359730	4.000in./101.6mm	3	398261	3.385in./86mm	2	3962523	4.000in./101.6mm	3	N853638
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
					8 CYL				
1	350 CID (5.7L) 350 Oldsmobile V8 Cyl (1968-1980)				4.057in./103mm x 3.385in./86mm				1
Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40		2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310
Main Bearing Set	TM-77	MS-805P	STD,1,10,20,30						
1		MB-2365P			2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
2-4		MB-2251P			2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
3		MB-2252P(F)			2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	1.1950
5		MB-2253P			2.4985/2.4995	0.0014/0.0044	0.0932	2.6870/2.6880	1.6290
Cam Bearing Set	AL-3	SH-1354S	STD						
1		SH-1354			2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355			2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356			1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357			1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358			1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
NOTE: 1968-1976									
Cam Bearing Set	AL-3	SH-1355S	STD						
1		SH-1359			2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355			2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356			1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357			1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358			1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
NOTE: 1977-1980									
Connecting Rod	42 Lbs.Ft.								
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)								
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)								
2	403 CID (6.6L) L80 Oldsmobile V8 Cyl				4.351in./110.5mm x 3.385in./86mm				2
Rod Bearing(8)	TM-77	CB-684P	STD,1,10,20,30,40		2.1238/2.1248	0.0014/0.0039	0.0619	2.2495/2.2500	0.8310
Main Bearing Set	TM-77	MS-805P	STD,1,10,20,30						
1		MB-2365P			2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
2-4		MB-2251P			2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	0.9800
3		MB-2252P(F)			2.4985/2.4995	0.0006/0.0036	0.0936	2.6870/2.6880	1.1950
5		MB-2253P			2.4985/2.4995	0.0014/0.0044	0.0932	2.6870/2.6880	1.6290
Cam Bearing Set	AL-3	SH-1355S	STD						
1		SH-1359			2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695	0.6980
2		SH-1355			2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495	0.6980
3		SH-1356			1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295	0.6980
4		SH-1357			1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095	0.6980
5		SH-1358			1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895	0.6980
Rod Forging	0997, 380282, 380283, 380383, 398410, 410997								
C/S Forging	230276, 230376, 230905, 381269, 381919, 388766, 390275, 393654, 395654, 398261, 398621, 418882, 556607, 1235419, 1375802, 1398346								



PANTHER JET MARINE (Cont.)									
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL (Cont.)									
2 (Cont.)	403 CID (6.6L) L80 Oldsmobile V8 Cyl				4.351in./110.5mm x 3.385in./86mm				2 (Cont.)
Connecting Rod	42 Lbs.Ft.								
Main Bearing	120 Lbs.Ft. (Rear Bearing Cap)								
Main Bearing	80 Lbs.Ft. (Except Rear Bearing Cap)								
3	454 CID (7.4L) 400,405,454,500 Chevrolet V8 Cyl				4.250in./108mm x 4.000in./101.6mm				3
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920	
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920	
Main Bearing Set	AL-5	MS-829A-10	20,30						
1-2-3-4		MB-2403A		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440	
5		MB-2404A(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110	
Main Bearing Set	TM-77	MS-829P	STD,1,10,20,30,40						
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440	
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110	
Main Bearing Set	TM-77	MS-1745P-10	20,30						
1-2-3-4		MB-2403P		2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440	
5		MB-3120P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8210	
NOTE: Contains .010" Oversize Length Flanged Bearing									
Main Bearing Set	TM-77	MS-1748P-10	20						
1-2-3-4		MB-3123P		2.7482/2.7492	0.0007/0.0032	0.1087	2.9570/2.9580	1.0440	
5		MB-2404P(F)		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110	
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings, Flange Bearing Is Not Oversize On The Outside Diameter									
Cam Bearing Set	B-1	SH-616S	STD						
1		SH-615		1.9485/1.9495	0.0006/0.0046	0.0947	2.1395/2.1405	0.8700	
2-5		SH-616		1.9485/1.9495	0.0006/0.0046	0.0897	2.1295/2.1305	0.9900	
3-4		SH-617		1.9485/1.9495	0.0006/0.0046	0.0847	2.1195/2.1205	0.9900	
Rod Forging	3856239, 3856240, 3933174								
C/S Forging	3521, 7416, 353039, 359730, 3962523, 3963524, 3967463, 3975945, N353039, N853039, N853638								
Connecting Rod	45 To 55 Lbs.Ft.								
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)								
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)								
4	460 CID (7.5L) 460 Ford V8 Cyl				4.360in./110.7mm x 3.850in./97.8mm				4
Rod Bearing(8)	TM-77	CB-818P	STD,1,10,20,30,40	2.4992/2.5000	0.0005/0.0031	0.0761	2.6522/2.6530	0.8660	
Rod Bearing(8)	TM-77	CB-1802P-10	20,30	2.4992/2.5000	0.0005/0.0031	0.0771	2.6542/2.6550	0.8660	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set	TM-77	MS-1039P	STD,1,10,20,30,40						
1-2-4-5		MB-2564P		2.9994/3.0002	0.0007/0.0033	0.0958	3.1922/3.1930	0.9500	
3		MB-2565P(F)		2.9994/3.0002	0.0007/0.0033	0.0958	3.1922/3.1930	1.1200	
Cam Bearing Set	AL-3	SH-1111S	STD,10						
1-2-3-4-5		SH-1111		2.1238/2.1248	0.0010/0.0050	0.0619	2.2495/2.2505	0.6000	
Cam Bearing Set	AL-3	SH-1766S	STD						
1-2-3-4-5		SH-1766		2.1238/2.1248	0.0011/0.0050	0.0694	2.2645/2.2655	0.6300	
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.2645"/2.2655"									
Connecting Rod	40 To 45 Lbs.Ft.								
Main Bearing	95 To 105 Lbs.Ft.								



PLEASURECRAFT									
ENGINE DATA									
Engine	Years	Block	Engine	Years	Block				
302 CID (5.0L) 200 Ford		1	350 CID (5.7L) 280 Chevrolet		2				
302 CID (5.0L) 220 Ford		1	350 CID (5.7L) 300 Chevrolet		2				
302 CID (5.0L) 302 Ford		1	351 CID (5.8L) 240 Ford Windsor		3				
302 CID (5.0L) 302/2 Ford		1	351 CID (5.8L) 250 Ford Windsor		3				
302 CID (5.0L) 302/2A Ford		1	351 CID (5.8L) 255 Ford Windsor		3				
302 CID (5.0L) 302/2B Ford		1	351 CID (5.8L) 351/4 Ford Windsor		3				
302 CID (5.0L) 302/4 Ford		1	351 CID (5.8L) 8240 Ford Windsor		3				
302 CID (5.0L) 8200 Ford		1	454 CID (7.4L) 330 Chevrolet		4				
305 CID (5.0L) 230 Chevrolet		2	454 CID (7.4L) 350 Chevrolet		4				
350 CID (5.7L) 270 Chevrolet		2							
COUNTER DATA					SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	
8 CYL									
1	302 CID (5.0L) 200,220,302,302/2,302/2A,302/2B,302/4,8200 Ford V8 Cyl				4.000in./101.6mm x 3.000in./76.2mm				1
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260	
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260	
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set 1-2-4-5 3	AL-5	MS-590A-10 MB-2121A MB-2122A(F)	20,30	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330	
Main Bearing Set 1-2-4-5 3	TM-77	MS-590P MB-2121P MB-2122P(F)	STD,1,10,20,30,40	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330	
Main Bearing Set 1-2-4-5 3	TM-77	MS-1746P-10 MB-2121P MB-3124P(F)	20,30	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1430	
NOTE: Contains .010" Oversize Length Flanged Bearing									
Cam Bearing Set 1 2 3 4 5	B-1	SH-510S SH-510 SH-511 SH-512 SH-513 SH-514	STD	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700	
Connecting Rod	19 To 24 Lbs.Ft.								
Main Bearing	60 To 70 Lbs.Ft.								
2	305 CID (5.0L) 230 Chevrolet V8 Cyl 350 CID (5.7L) 270,280,300 Chevrolet V8 Cyl				3.736in./95mm x 3.484in./88.5mm 4.000in./101.6mm x 3.484in./88.5mm				2
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420	
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420	
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420	
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock									
Main Bearing Set 1-2-3-4 5	AL-5	MS-909A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180	
Main Bearing Set 1-2-3-4 5	TM-77	MS-909P MB-2508P MB-2509P(F)	STD,1,2,10,20,30,40,C60	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180	
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing									
Main Bearing Set 1-2-3-4 5	TM-77	MS-1626P-10 MB-2508P MB-2981P(F)	20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380	
NOTE: Contains .020" Oversize Length Flanged Bearing									
Main Bearing Set 1-2-3-4 5	TM-77	MS-1683P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580	
NOTE: Contains .040" Oversize Length Flanged Bearing									



PLEASURECRAFT (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
2 (Cont.)	305 CID (5.0L) 230 Chevrolet V8 Cyl			3.736in./95mm x 3.484in./88.5mm				2 (Cont.)
	350 CID (5.7L) 270,280,300 Chevrolet V8 Cyl			4.000in./101.6mm x 3.484in./88.5mm				
Main Bearing Set 1-2-3-4	TM-77	MS-1744P-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1	B-1	SH-290S	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-290		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-288		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
		SH-287						
Cam Bearing Set 1	AL-3	SH-1349S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
		SH-1351						
NOTE: Heavy Duty Engine								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
		SH-1352						
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
		SH-1401						
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3892671, 3916396, 3923282, 3946841							
C/S Forging	1182, 2690, 306275, 306276, 310514, 3732444, 3832442, 3912335, 3932444, 3941184, 4568749							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
3	351 CID (5.8L) 240,250,255,351/4,8240 Ford Windsor V8 Cyl			4.000in./101.6mm x 3.500in./88.9mm				3
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5	TM-77	MS-981P	STD,1,10,20,30,40	2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2557P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
		MB-2558P(F)						
NOTE: Thru 1976, Full Grooved Main Bearings								
Main Bearing Set 1-2-4-5	AL-5	MS-1432A-10	20,30	2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2754A		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
		MB-2558A(F)						
NOTE: From 1977, Partial Grooved Main Bearings								
Main Bearing Set 1-2-4-5	TM-77	MS-1432P	STD,1,10,20,30,40	2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2754P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
		MB2558P(F)						
NOTE: From 1977, Partial Grooved Main Bearings								
Cam Bearing Set 1	B-1	SH-510S	STD	2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-510		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-511		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-512		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-513		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
		SH-514						
Rod Forging	C90E, D60E							
C/S Forging	3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
4	454 CID (7.4L) 330,350 Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm				4
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4	AL-5	MS-829A-10	20,30	2.7482/2.7492	0.0007/0.0032	0.0934	2.9370/2.9380	1.0440
5		MB-2403A		2.7480/2.7490	0.0009/0.0039	0.0937	2.9370/2.9380	1.8110
		MB-2404A(F)						



PLEASURECRAFT (Cont.)											
COUNTER DATA				SHOP DATA							
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length			
8 CYL (Cont.)											
4 (Cont.)	454 CID (7.4L) 330,350 Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm					4 (Cont.)		
Main Bearing Set 1-2-3-4 5	TM-77	MS-829P MB-2403P MB-2404P(F)	STD,1,10,20,30,40	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110			
Main Bearing Set 1-2-3-4 5	TM-77	MS-1745P-10 MB-2403P MB-3120P(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8210			
NOTE: Contains .010" Oversize Length Flanged Bearing											
Main Bearing Set 1-2-3-4 5	TM-77	MS-1748P-10 MB-3123P MB-2404P(F)	20	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.1087 0.0937	2.9570/2.9580 2.9370/2.9380	1.0440 1.8110			
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter											
Cam Bearing Set 1 2-5 3-4	B-1	SH-616S SH-615 SH-616 SH-617	STD	1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205	0.8700 0.9900 0.9900			
Rod Forging C/S Forging	3856239, 3856240, 3933174 3521, 7416, 353039, 359730, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638										
Connecting Rod Main Bearing Main Bearing	45 To 55 Lbs.Ft. 110 To 120 Lbs.Ft. (High Performance Engine) 90 To 100 Lbs.Ft. (Except High Performance)										
SEAMASTER											
ENGINE DATA											
Engine Ford 534 CID (8.8L)	Bore & Stroke 4.500in./114.3mmX4.200in./106.7mm		Block 1								
CONNECTING ROD FORGING NUMBERS											
Forging No. B9TE	Stroke 4.200in./106.7mm	Block 1	Forging No. EDL	Stroke 4.200in./106.7mm	Block 1						
CRANKSHAFT FORGING NUMBERS											
Forging No. C1TE-6303-C C1TE-6303C	Stroke 4.200in./106.7mm 4.200in./106.7mm	Block 1 1	Forging No. C1TE-C C2TE-A	Stroke 4.200in./106.7mm 4.200in./106.7mm	Block 1 1	Forging No. C2TE-B EDN	Stroke 4.200in./106.7mm 4.200in./106.7mm	Block 1 1	Forging No. EDN-6303-A EDN-6303A	Stroke 4.200in./106.7mm 4.200in./106.7mm	Block 1 1
COUNTER DATA				SHOP DATA							
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length			
8 CYL											
1	534 CID (8.8L) Ford V8 Cyl			4.500in./114.3mm x 4.200in./106.7mm					1		
Rod Bearing(8) NOTE: From 1960,2.710" Diameter Connecting Rod Journal	TM-77	CB-615P	STD,10,20,30,C40,C60	2.7092/2.7100	0.0013/0.0039	0.0962	2.9032/2.9040	0.8920			
Main Bearing Set 1-2-4-5 3	TM-77	MS-443P MB-1820P MB-1821P(F)	STD,10,20,30	3.1246/3.1254 3.1246/3.1254	0.0013/0.0039 0.0009/0.0035	0.0956 0.0958	3.3176/3.3184 3.3176/3.3184	1.1050 1.2730			
Cam Bearing Set 1 2-3-4-5	B-1	SH-369S SH-369 SH-370	STD	2.4740/2.4750 2.3700/2.3710	0.0010/0.0050 0.0010/0.0050	0.0630 0.0630	2.6020/2.6030 2.4980/2.4990	0.6800 0.6800			
Piston Pin Bushing(8) NOTE: Requires Light Reaming	C-1	223-3504	STD			0.0480	1.3040/1.3060	1.5400			
Rod Forging C/S Forging	EDL, B9TE EDN, C1TE-C, C2TE-A, C2TE-B, EDN-6303A, C1TE-6303C, EDN-6303-A, C1TE-6303-C										
Connecting Rod Main Bearing	60 To 65 Lbs.Ft. 150 Lbs.Ft.										



STOKES MARINE														
ENGINE DATA														
Engine			Bore & Stroke			Block	Engine			Bore & Stroke			Block	
6 CYL						8 CYL								
225 Buick 225 CID (3.7L)			3.750in./95.3mmX3.400in./86.4mm			1	318 Chrysler 318 CID (5.2L)			3.910in./99.3mmX3.313in./84.2mm			4	
250 Chevrolet 250 CID (4.1L)			3.875in./98.4mmX3.531in./89.7mm			2	455 Oldsmobile 455 CID (7.5L)			4.125in./104.8mmX4.250in./108mm			5	
T6-354.3 Perkins 354 CID (5.8L) Diesel			3.877in./98.5mmX5.000in./127mm			3								
Turbocharged														
CONNECTING ROD FORGING NUMBERS														
Forging No.			Stroke	Block	Forging No.			Stroke	Block	Forging No.			Stroke	Block
201			3.400in./86.4mm	1	8436			3.531in./89.7mm	2	410997			3.531in./89.7mm	2
220			3.400in./86.4mm	1	380282			3.531in./89.7mm	2	1357201			3.400in./86.4mm	1
673			3.400in./86.4mm	1	380283			3.531in./89.7mm	2	1357333			3.400in./86.4mm	1
763			3.400in./86.4mm	1	380383			3.531in./89.7mm	2	1377248			3.400in./86.4mm	1
779			3.400in./86.4mm	1	384759			4.250in./108mm	5	3788435			3.531in./89.7mm	2
0997			3.531in./89.7mm	2	398410			3.531in./89.7mm	2	3788437			3.531in./89.7mm	2
CRANKSHAFT FORGING NUMBERS														
Forging No.			Stroke	Block	Forging No.			Stroke	Block	Forging No.			Stroke	Block
230276			3.531in./89.7mm	2	388766			3.531in./89.7mm	2	556607			3.531in./89.7mm	2
230277			3.400in./86.4mm	1	390275			3.531in./89.7mm	2	1235419			3.531in./89.7mm	2
230278			3.400in./86.4mm	1	393654			3.531in./89.7mm	2	1254083			3.400in./86.4mm	1
230331			4.250in./108mm	5	395654			3.531in./89.7mm	2	1255645			3.400in./86.4mm	1
230376			3.531in./89.7mm	2	397303			4.250in./108mm	5	1255646			3.400in./86.4mm	1
230377			4.250in./108mm	5	397363			4.250in./108mm	5	1255674			3.400in./86.4mm	1
230378			3.400in./86.4mm	1	398261			3.531in./89.7mm	2	1255846			3.400in./86.4mm	1
230378			4.250in./108mm	5	398621			3.531in./89.7mm	2	1255862			3.400in./86.4mm	1
230905			3.531in./89.7mm	2	400934			4.250in./108mm	5	1257125			3.400in./86.4mm	1
230907			4.250in./108mm	5	403707			4.250in./108mm	5	1260877			3.400in./86.4mm	1
230908			4.250in./108mm	5	405954			4.250in./108mm	5	1261438			3.400in./86.4mm	1
378354			3.400in./86.4mm	1	418882			3.531in./89.7mm	2	1261787			3.400in./86.4mm	1
381269			3.531in./89.7mm	2	460407			3.531in./89.7mm	2	1357898			3.400in./86.4mm	1
381919			3.531in./89.7mm	2	480407			3.531in./89.7mm	2	1375802			3.531in./89.7mm	2
COUNTER DATA						SHOP DATA								
Bearing or Position		Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter		Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore		Max Length		
6 CYL														
1	225 CID (3.7L) 225 Buick V6 Cyl										3.750in./95.3mm x 3.400in./86.4mm	1		
Rod Bearing(6)		TM-77	CB-610P	STD,1,10,20,30,40,G60		1.9995/2.0005		0.0007/0.0032	0.0620	2.1247/2.1252		0.7420		
Main Bearing Set		TM-77	MS-960P	STD,1,10,20,30										
1-3			MB-2433P			2.4990/2.5000		0.0005/0.0034	0.0935	2.6870/2.6880		0.8690		
2			MB-2434P(F)			2.4990/2.5000		0.0005/0.0034	0.0935	2.6870/2.6880		1.0580		
4			MB-2491P			2.4990/2.5000		0.0005/0.0034	0.0935	2.6870/2.6880		0.8690		
Main Bearing Set		TM-77	MS-1688P-10	20										
1-3			MB-2433P			2.4990/2.5000		0.0005/0.0034	0.0935	2.6870/2.6880		0.8690		
2			MB-3063P(F)			2.4990/2.5000		0.0005/0.0034	0.0935	2.6870/2.6880		1.0780		
4			MB-2491P			2.4990/2.5000		0.0005/0.0034	0.0935	2.6870/2.6880		0.8690		
NOTE: Contains .020" Oversize Length Flanged Bearing														
Main Bearing Set		TM-77	MS-1747P-10	20,30										
1-3			MB-2433P			2.4990/2.5000		0.0005/0.0034	0.0935	2.6870/2.6880		0.8690		
2			MB-3125P(F)			2.4990/2.5000		0.0005/0.0034	0.0935	2.6870/2.6880		1.0680		
4			MB-2491P			2.4990/2.5000		0.0005/0.0034	0.0935	2.6870/2.6880		0.8690		
NOTE: Contains .010" Oversize Length Flanged Bearing														
Cam Bearing Set		B-1	SH-506S	STD										
1			SH-506			1.7550/1.7560		0.0010/0.0060	0.0643	1.8855/1.8875		0.7600		
2			SH-363			1.7250/1.7260		0.0010/0.0060	0.0643	1.8555/1.8575		0.7600		
3			SH-364			1.6950/1.6960		0.0010/0.0060	0.0643	1.8255/1.8275		0.7600		
4			SH-365			1.6650/1.6660		0.0010/0.0060	0.0643	1.7955/1.7975		0.7600		
Rod Forging		201, 220, 673, 763, 779, 1357201, 1357333, 1377248, 25509405												
C/S Forging		230277, 230278, 230378, 378354, 1254083, 1255645, 1255646, 1255674, 1255846, 1255862, 1257125, 1260877, 1261438, 1261787, 1357898, 1378351, 1378354, 25505554, 25506397, 25506818, 25509404, 25514290, 25520329												
Connecting Rod		30 To 40 Lbs.Ft.												
Main Bearing		65 To 70 Lbs.Ft. (Thru 1964)												
Main Bearing		95 To 120 Lbs.Ft. (From 1965)												



STOKES MARINE (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
2	250 CID (4.1L) 250 Chevrolet 6 Cyl			3.875in./98.4mm x 3.531in./89.7mm				2
Rod Bearing(6)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-617P	STD,1,10,20,30,40	2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
1-2-3-4-5-6		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
7		MB-2588P(F)						
Cam Bearing Set	AL-3	SH-399S	STD,10	1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
1-4		SH-399		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
2-3		SH-400						
NOTE: Thru 1970								
Cam Bearing Set	AL-3	SH-718S	STD,10	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
1-2-3-4		SH-400						
NOTE: From 1971								
Rod Forging	0997, 8436, 380282, 380283, 380383, 398410, 410997, 3788435, 3788437, 3837419, 3977110							
C/S Forging	230276, 230376, 230905, 381269, 381919, 388766, 390275, 393654, 395654, 398261, 398621, 418882, 460407, 480407, 556607, 1235419, 1375802, 1398346, 3855914, 3876802, 3876804, 3876840, 9790154							
Connecting Rod	35 To 45 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
3	354 CID (5.8L) T6-354.3 Perkins Turbocharged Diesel 6 Cyl			3.877in./98.5mm x 5.000in./127mm				3
Rod Bearing(6)	AL-3	CB-1209AL	STD,10,20,30	2.4990/2.4995	0.0020/0.0040	0.0725	2.6460/2.6465	1.2550
Main Bearing Set	AL-3	MS-1548AL	STD,10	2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.2400
1-2-3-5-6-7		MB-2789AL		2.9985/2.9990	0.0027/0.0052	0.0823	3.1660/3.1670	1.4400
4		MB-2790AL						
NOTE: Requires Thrust Washer Set, Not Included, Use With Part Number TW-316S								
Thrust Washer Set		TW-316S	STD	3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(L)		3.4200/3.4300			4.0880/4.0980	0.0900
		MB-2636W(U)						
NOTE: From Engine Serial Number 8504190, Contains 4 Pieces, Position Number 4								
8 CYL								
4	318 CID (5.2L) 318 Chrysler V8 Cyl			3.910in./99.3mm x 3.313in./84.2mm				4
Rod Bearing(8)	TM-77	CB-481P	STD,1,2,10,20,30,40,G50,G60	2.1240/2.1250	0.0007/0.0032	0.0624	2.2500/2.2505	0.8480
Rod Bearing(8)	TM-77	CB-1779P-10	20,30,40	2.1240/2.1250	0.0007/0.0032	0.0634	2.2520/2.2525	0.8480
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-540P	STD,10,20,30,40	2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
1-2-4		MB-2035P		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.1520
3		MB-2036P(F)		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.3270
5		MB-2559P						
NOTE: Thru 1973								
Main Bearing Set	TM-77	MS-1344P	STD,10,20,30	2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	0.8770
1-2-4		MB-2283P		2.4995/2.5005	0.0004/0.0025	0.0958	2.6925/2.6930	1.1520
3		MB-2620P(F)		2.4995/2.5005	0.0005/0.0026	0.0959	2.6925/2.6930	1.3270
5		MB-2559P						
NOTE: From 1974								
Cam Bearing Set	B-1	SH-875S	STD	1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
1		SH-875		1.9820/1.9830	0.0005/0.0045	0.0650	2.1135/2.1145	0.7700
2		SH-326		1.9670/1.9680	0.0005/0.0045	0.0650	2.0985/2.0995	0.7570
3		SH-327		1.9510/1.9520	0.0005/0.0045	0.0650	2.0825/2.0835	0.7700
4		SH-328		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
5		SH-329						
NOTE: Thru 1978								
Cam Bearing Set	B-1	SH-1112S	STD	1.9980/1.9990	0.0015/0.0055	0.0645	2.1295/2.1305	0.9000
1		SH-875		1.9820/1.9830	0.0015/0.0055	0.0645	2.1135/2.1145	0.6300
2		SH-1112		1.9670/1.9680	0.0015/0.0055	0.0645	2.0985/2.0995	0.6300
3		SH-1113		1.9510/1.9520	0.0015/0.0055	0.0645	2.0825/2.0835	0.6300
4		SH-1114		1.5605/1.5615	0.0005/0.0045	0.0650	1.6920/1.6930	0.9500
5		SH-329						
NOTE: From 1979								
Piston Pin	B	223-3484	STD			0.0320	1.0370/1.0390	1.1400
Bushing(8)								
NOTE: Early, Requires Light Reaming								



STOKES MARINE (Cont.)											
COUNTER DATA				SHOP DATA							
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length			
8 CYL (Cont.)											
4 (Cont.)	318 CID (5.2L) 318 Chrysler V8 Cyl			3.910in./99.3mm x 3.313in./84.2mm					4 (Cont.)		
Piston Pin Bushing(8)	B	223-3607	STD	0.0430			1.0370/1.0390		1.1400		
NOTE: Requires Boring											
Connecting Rod	45 To 50 Lbs.Ft.										
Main Bearing	85 Lbs.Ft.										
5	455 CID (7.5L) 455 Oldsmobile V8 Cyl			4.125in./104.8mm x 4.250in./108mm					5		
Rod Bearing(8)	TM-77	CB-542P	STD,1,10,20,30,40	2.4988/2.4998	0.0007/0.0032	0.0620	2.6245/2.6250		0.8310		
Main Bearing Set	TM-77	MS-804P	STD,10,20,30								
1		MB-2362P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890		0.9800		
2-4		MB-2163P		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890		0.9790		
3		MB-2363P(F)		2.9993/3.0003	0.0008/0.0038	0.0936	3.1880/3.1890		1.1950		
5		MB-2364P		2.9993/3.0003	0.0016/0.0049	0.0932	3.1880/3.1890		1.6290		
Cam Bearing Set	AL-3	SH-1354S	STD								
1		SH-1354		2.0357/2.0365	0.0020/0.0060	0.0648	2.1680/2.1695		0.6980		
2		SH-1355		2.0157/2.0165	0.0020/0.0060	0.0648	2.1480/2.1495		0.6980		
3		SH-1356		1.9957/1.9965	0.0020/0.0060	0.0648	2.1280/2.1295		0.6980		
4		SH-1357		1.9757/1.9765	0.0020/0.0060	0.0648	2.1080/2.1095		0.6980		
5		SH-1358		1.9557/1.9565	0.0020/0.0060	0.0648	2.0880/2.0895		0.6980		
Rod Forging	384759										
C/S Forging	230331, 230377, 230378, 230907, 230908, 397303, 397363, 400934, 403707, 405954										
Connecting Rod	32 To 42 Lbs.Ft.										
Main Bearing	90 To 120 Lbs.Ft.										
THERMO ELECTRON											
ENGINE DATA											
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block				
4 CYL				8 CYL (Cont.)							
110 Chevrolet 153 CID (2.5L)	3.875in./98.4mmX3.250in./82.6mm		1	188 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm		8				
120 Chevrolet 153 CID (2.5L)	3.875in./98.4mmX3.250in./82.6mm		1	190 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm		9				
6 CYL				200 Chevrolet 307 CID (5.0L)							
150 Chevrolet 230 CID (3.8L)	3.875in./98.4mmX3.250in./82.6mm		4	210 Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm		9				
262 Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm		5	215 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm		8				
292 Chevrolet 292 CID (4.8L)	3.875in./98.4mmX4.125in./104.8mm		6	220 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm		9				
Ford 144 CID (2.4L)	3.500in./88.9mmX2.500in./63.5mm		2	225 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm		8				
Ford 170 CID (2.8L)	3.500in./88.9mmX2.938in./74.6mm		2	230 Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm		9				
HU14D Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm		3	233 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm		11				
HU15S Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm		3	250 Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm		9				
HU16 Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm		3	255 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm		11				
HUE14D Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm		3	270 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm		9				
HUE15S Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm		3	320 Chevrolet 327 CID (5.4L)	4.000in./101.6mmX3.250in./82.6mm		9				
HUE16C Buick 225 CID (3.7L)	3.750in./95.3mmX3.400in./86.4mm		3	350 Chevrolet 454 CID (7.4L)	4.250in./108mmX4.000in./101.6mm		14				
8 CYL				Chevrolet 348 CID (5.7L)		4.125in./104.8mmX3.250in./82.6mm		10			
185 Chevrolet 283 CID (4.6L)	3.875in./98.4mmX3.000in./76.2mm		7	Chevrolet 409 CID (6.7L)		4.313in./109.6mmX3.500in./88.9mm		10			
				Ford 390 CID (6.4L)		4.050in./102.9mmX3.781in./96mm		12			
				CH320 Chevrolet 427 CID (7.0L)		4.250in./108mmX3.766in./95.7mm		13			
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
21A-6200	3.000in./76.2mm	8	3703526	3.000in./76.2mm	7	3795624	3.500in./88.9mm	10	3916396	3.484in./88.5mm	9
91A-6200	3.000in./76.2mm	8	3703526	3.250in./82.6mm	9	3815281	3.000in./76.2mm	7	3923282	3.484in./88.5mm	9
201	3.400in./86.4mm	3	3703527	3.000in./76.2mm	7	3815281	3.250in./82.6mm	9	3933174	4.000in./101.6mm	14
220	3.400in./86.4mm	3	3703527	3.250in./82.6mm	9	3837419	3.250in./82.6mm	4	3933174	3.766in./95.7mm	13
673	3.400in./86.4mm	3	3732717	3.250in./82.6mm	10	3837686	3.250in./82.6mm	10	3946841	3.484in./88.5mm	9
763	3.400in./86.4mm	3	3732717	3.500in./88.9mm	10	3837686	3.500in./88.9mm	10	3977110	3.250in./82.6mm	4
779	3.400in./86.4mm	3	3784000	3.000in./76.2mm	7	3856239	4.000in./101.6mm	14	9793328	3.250in./82.6mm	4
1357201	3.400in./86.4mm	3	3784000	3.250in./82.6mm	9	3856239	3.766in./95.7mm	13	25509405	3.400in./86.4mm	3
1357333	3.400in./86.4mm	3	3788435	3.250in./82.6mm	4	3856240	4.000in./101.6mm	14	B10	2.500in./63.5mm	2
1377248	3.400in./86.4mm	3	3788437	3.250in./82.6mm	4	3856240	3.766in./95.7mm	13	B10	2.938in./74.6mm	2
3185281	3.250in./82.6mm	9	3795624	3.250in./82.6mm	10	3892671	3.484in./88.5mm	9	C1AE-B	3.781in./96mm	12



THERMO ELECTRON (Cont.)											
CONNECTING ROD FORGING NUMBERS (Cont.)											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
C1DE	2.500in./63.5mm	2	C3AE-D	3.000in./76.2mm	8	C30E	2.938in./74.6mm	2	D8BE	2.938in./74.6mm	2
C1DE	2.938in./74.6mm	2	C3AE-J	3.000in./76.2mm	8	C30E-A	3.000in./76.2mm	8	D8BE-6205	2.500in./63.5mm	2
C2AE-B	3.781in./96mm	12	C8DE	3.000in./76.2mm	8	C90E	3.500in./88.9mm	11	D8BE-6205	2.938in./74.6mm	2
C2OE	3.000in./76.2mm	8	C8OE-A	3.000in./76.2mm	8	CODE	2.500in./63.5mm	2	D60E	3.500in./88.9mm	11
C3AE-A	3.000in./76.2mm	8	C30E	2.500in./63.5mm	2	CODE	2.938in./74.6mm	2			
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
0-191561	3.500in./88.9mm	10	230378	3.400in./86.4mm	3	3824554	3.500in./88.9mm	10	5743013	3.250in./82.6mm	4
1F	2.500in./63.5mm	2	306275	3.484in./88.5mm	9	3829027	3.500in./88.9mm	10	5782680	3.250in./82.6mm	9
1F	2.938in./74.6mm	2	306276	3.484in./88.5mm	9	3832442	3.484in./88.5mm	9	9782279	3.250in./82.6mm	4
1G	2.500in./63.5mm	2	310514	3.484in./88.5mm	9	3835236TG	3.000in./76.2mm	7	25505554	3.400in./86.4mm	3
1G	2.938in./74.6mm	2	353039	4.000in./101.6mm	14	3836144	3.766in./95.7mm	13	25506397	3.400in./86.4mm	3
1H	2.500in./63.5mm	2	359730	4.000in./101.6mm	14	3836236	3.000in./76.2mm	7	25506818	3.400in./86.4mm	3
1H	2.938in./74.6mm	2	378354	3.400in./86.4mm	3	3836266	3.000in./76.2mm	7	25509404	3.400in./86.4mm	3
1HA	2.500in./63.5mm	2	391101A	3.250in./82.6mm	9	3837266	3.000in./76.2mm	7	25514290	3.400in./86.4mm	3
1HA	2.938in./74.6mm	2	1254083	3.400in./86.4mm	3	3837466	3.500in./88.9mm	10	25520329	3.400in./86.4mm	3
1J	3.000in./76.2mm	8	1255645	3.400in./86.4mm	3	3838266	3.000in./76.2mm	7	C0E-A	3.000in./76.2mm	8
1M	3.000in./76.2mm	8	1255646	3.400in./86.4mm	3	3838396	3.500in./88.9mm	10	C1AE-A	3.781in./96mm	12
1MA	3.000in./76.2mm	8	1255674	3.400in./86.4mm	3	3849847	3.000in./76.2mm	7	C2AE-2	3.781in./96mm	12
2M	3.000in./76.2mm	8	1255846	3.400in./86.4mm	3	3863144	3.766in./95.7mm	13	C2AE-B	3.781in./96mm	12
2MA	3.000in./76.2mm	8	1255862	3.400in./86.4mm	3	3864465	3.250in./82.6mm	4	C2AE-D	3.781in./96mm	12
2MAB	3.000in./76.2mm	8	1257125	3.400in./86.4mm	3	3874874	3.766in./95.7mm	13	C2DE-A	2.500in./63.5mm	2
2MAC	3.000in./76.2mm	8	1260877	3.400in./86.4mm	3	3876764	3.000in./76.2mm	7	C2DE-A	2.938in./74.6mm	2
2MAD	3.000in./76.2mm	8	1261438	3.400in./86.4mm	3	3876768	3.000in./76.2mm	7	C2OE-A	3.000in./76.2mm	8
2MAE	3.000in./76.2mm	8	1261787	3.400in./86.4mm	3	3882842	3.766in./95.7mm	13	C2OZ	3.000in./76.2mm	8
3C	3.500in./88.9mm	11	1357898	3.400in./86.4mm	3	3882847	3.766in./95.7mm	13	C3AE-B	3.781in./96mm	12
3M	3.500in./88.9mm	11	1378351	3.400in./86.4mm	3	3882848	3.766in./95.7mm	13	C3AE-C	3.781in./96mm	12
3MA	3.500in./88.9mm	11	1378354	3.400in./86.4mm	3	3882849	3.766in./95.7mm	13	C3AE-E	3.781in./96mm	12
7M	3.500in./88.9mm	11	3727449	3.000in./76.2mm	7	3887114	3.766in./95.7mm	13	C3AE-F	3.000in./76.2mm	8
7MA	3.500in./88.9mm	11	3727499	3.000in./76.2mm	7	3899424	3.250in./82.6mm	4	C3OE-B	3.000in./76.2mm	8
0819	3.500in./88.9mm	10	3729449	3.000in./76.2mm	7	3904815	3.766in./95.7mm	13	C3OZ	3.000in./76.2mm	8
1130	3.250in./82.6mm	9	3732444	3.484in./88.5mm	9	3904816	3.766in./95.7mm	13	C5DE-A	2.500in./63.5mm	2
1178	3.000in./76.2mm	7	3732692	3.250in./82.6mm	10	3911000	3.250in./82.6mm	9	C5DE-A	2.938in./74.6mm	2
1178	3.250in./82.6mm	9	3733223	3.250in./82.6mm	10	3911001	3.250in./82.6mm	9	C9ZE-A	3.000in./76.2mm	8
1182	3.484in./88.5mm	9	3733226	3.250in./82.6mm	10	3911011	3.250in./82.6mm	9	C2OZ-A	3.000in./76.2mm	8
1182	3.250in./82.6mm	9	3734627	3.000in./76.2mm	7	3912335	3.484in./88.5mm	9	C30E-A	2.500in./63.5mm	2
2680	3.250in./82.6mm	9	3735236	3.000in./76.2mm	7	3914681	3.250in./82.6mm	9	C30E-A	2.938in./74.6mm	2
2690	3.484in./88.5mm	9	3741640	3.250in./82.6mm	10	3914682	3.250in./82.6mm	9	C3OZ-A	2.500in./63.5mm	2
3279	3.000in./76.2mm	7	3741642	3.250in./82.6mm	10	3930809	3.250in./82.6mm	9	C3OZ-A	2.938in./74.6mm	2
3279	3.250in./82.6mm	9	3782680	3.250in./82.6mm	9	3932444	3.484in./88.5mm	9	C3OZ-E	2.500in./63.5mm	2
3521	4.000in./101.6mm	14	3782690	3.250in./82.6mm	9	3941172	3.250in./82.6mm	9	C3OZ-E	2.938in./74.6mm	2
4577	3.250in./82.6mm	9	3788072	3.500in./88.9mm	10	3941174	3.250in./82.6mm	9	C8OE-B	3.000in./76.2mm	8
4672	3.250in./82.6mm	9	3788423	3.250in./82.6mm	4	3941180	3.766in./95.7mm	13	C90E-A	3.500in./88.9mm	11
6223	3.766in./95.7mm	13	3788424	3.250in./82.6mm	4	3941184	3.484in./88.5mm	9	CTR-CB	2.500in./63.5mm	2
6764	3.000in./76.2mm	7	3788428	3.250in./82.6mm	4	3942411	3.766in./95.7mm	13	CTR-CB	2.938in./74.6mm	2
7115	3.766in./95.7mm	13	3795589	3.500in./88.9mm	10	3962523	4.000in./101.6mm	14	GS-M	3.000in./76.2mm	8
7416	4.000in./101.6mm	14	3804816	3.766in./95.7mm	13	3963523	4.000in./101.6mm	14	N353039	4.000in./101.6mm	14
8424	3.250in./82.6mm	4	3815822	3.250in./82.6mm	9	3963524	4.000in./101.6mm	14	N853039	4.000in./101.6mm	14
9115	3.766in./95.7mm	13	3820618	3.250in./82.6mm	4	3967463	4.000in./101.6mm	14	N853638	4.000in./101.6mm	14
230277	3.400in./86.4mm	3	3824544	3.250in./82.6mm	10	3975945	4.000in./101.6mm	14	O-191561	3.500in./88.9mm	10
230278	3.400in./86.4mm	3	3824553	3.250in./82.6mm	10	4568749	3.484in./88.5mm	9			
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length	4 CYL		
1	153 CID (2.5L) 110,120 Chevrolet 4 Cyl			3.875in./98.4mm x 3.250in./82.6mm			1				
Rod Bearing(4)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420			
Main Bearing Set 1-2-3-4	TM-77	MS-1733P	STD,1,10,20,30,40	2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070			
5		MB-3135P		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090			
		MB-2588P(F)									
Cam Bearing Set 1-2	AL-3	SH-400S	STD	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700			
3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700			
		SH-399									



THERMO ELECTRON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
4 CYL (Cont.)								
1 (Cont.)	153 CID (2.5L) 110,120 Chevrolet 4 Cyl			3.875in./98.4mm x 3.250in./82.6mm				1 (Cont.)
Connecting Rod	30 To 35 Lbs.Ft.							
Main Bearing	45 To 55 Lbs.Ft.							
6 CYL								
2	144 CID (2.4L) Ford 6 Cyl (1960-1964)			3.500in./88.9mm x 2.500in./63.5mm				2
	170 CID (2.8L) Ford 6 Cyl (1961-1973)			3.500in./88.9mm x 2.938in./74.6mm				
Rod Bearing(6)	TM-77	CB-583P	STD,1,10,20,30,40,G60	2.1232/2.1240	0.0002/0.0028	0.0574	2.2390/2.2398	0.8100
Main Bearing Set	TM-77	MS-518G	STD,10,20,30,40					
1-2-4		MB-2002G		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.0200
3		MB-2003G(F)		2.2482/2.2490	0.0007/0.0033	0.0759	2.4012/2.4020	1.2710
Cam Bearing Set	B-1	SH-703S	STD					
1		SH-703		1.8095/1.8105	0.0010/0.0050	0.0833	1.9780/1.9790	0.7300
2		SH-412		1.8095/1.8105	0.0010/0.0050	0.0758	1.9630/1.9640	0.7300
3		SH-413		1.8095/1.8105	0.0010/0.0050	0.0683	1.9480/1.9490	0.7300
4		SH-414		1.8095/1.8105	0.0010/0.0050	0.0608	1.9330/1.9340	0.7300
Rod Forging	B10, C1DE, C30E, CODE, D8BE, D8BE-6205							
C/S Forging	1F, 1G, 1H, 1HA, C2DE-A, C30E-A, C30Z-A, C30Z-E, C5DE-A, CTR-CB							
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
3	225 CID (3.7L) HU14D,HU15S,HU16,HUE14D,HUE15S,HUE16C Buick V6 Cyl			3.750in./95.3mm x 3.400in./86.4mm				3
Rod Bearing(6)	TM-77	CB-610P	STD,1,10,20,30,40,G60	1.9995/2.0005	0.0007/0.0032	0.0620	2.1247/2.1252	0.7420
Main Bearing Set	TM-77	MS-960P	STD,1,10,20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-2434P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0580
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
Main Bearing Set	TM-77	MS-1688P-10	20					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3063P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0780
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1747P-10	20,30					
1-3		MB-2433P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
2		MB-3125P(F)		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	1.0680
4		MB-2491P		2.4990/2.5000	0.0005/0.0034	0.0935	2.6870/2.6880	0.8690
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-506S	STD					
1		SH-506		1.7550/1.7560	0.0010/0.0060	0.0643	1.8855/1.8875	0.7600
2		SH-363		1.7250/1.7260	0.0010/0.0060	0.0643	1.8555/1.8575	0.7600
3		SH-364		1.6950/1.6960	0.0010/0.0060	0.0643	1.8255/1.8275	0.7600
4		SH-365		1.6650/1.6660	0.0010/0.0060	0.0643	1.7955/1.7975	0.7600
Rod Forging	201, 220, 673, 763, 779, 1357201, 1357333, 1377248, 25509405							
C/S Forging	230277, 230278, 230378, 378354, 1254083, 1255645, 1255646, 1255674, 1255846, 1255862, 1257125, 1260877, 1261438, 1261787, 1357898, 1378351, 1378354, 25505554, 25506397, 25506818, 25509404, 25514290, 25520329							
Connecting Rod	30 To 40 Lbs.Ft.							
Main Bearing	65 To 70 Lbs.Ft. (Thru 1964)							
Main Bearing	95 To 120 Lbs.Ft. (From 1965)							
4	230 CID (3.8L) 150 Chevrolet 6 Cyl			3.875in./98.4mm x 3.250in./82.6mm				4
Rod Bearing(6)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
Main Bearing Set	TM-77	MS-617P	STD,1,10,20,30,40					
1-2-3-4-5-6		MB-3135P		2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
7		MB-2588P(F)		2.2983/2.2993	0.0006/0.0036	0.0955	2.4906/2.4916	1.0090
Cam Bearing Set	AL-3	SH-399S	STD,10					
1-4		SH-399		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
2-3		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
Rod Forging	3788435, 3788437, 3837419, 3977110, 9793328							
C/S Forging	8424, 3788423, 3788424, 3788428, 3820618, 3864465, 3899424, 5743013, 9782279							
Connecting Rod	35 To 45 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							



THERMO ELECTRON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL (Cont.)								
5	262 CID (4.3L) 262 Chevrolet V6 Cyl			4.000in./101.6mm x 3.484in./88.5mm				5
Rod Bearing(6)	AL-5	CB-1358A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	TM-77	CB-1358P	STD,1,10,20,30,40	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	AL-5	CB-1794A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1794P-10	20,30,40	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3 4	AL-5	MS-1454A-10 MB-2508A MB-2509A(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3 4	TM-77	MS-1454P MB-2508P MB-2509P(F)	STD,1,10,20,30,40	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7180
Main Bearing Set 1-2-3 4	TM-77	MS-1628P-10 MB-2508P MB-2981P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-1684P-20 MB-2508P MB-3060P(F)		2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3 4	TM-77	MS-2215P-10 MB-2508P MB-3119P(F)	20,30	2.4483/2.4493 2.4478/2.4488	0.0006/0.0036 0.0011/0.0041	0.0955	2.6406/2.6416 2.6406/2.6416	0.8070 1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2-4 3	AL-3	SH-1350S SH-1349 SH-1350 SH-1351	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: Except Engines Stamped With Identification Number Located On Front Of Block Starting With "T"								
Cam Bearing Set 1-4 2 3	AL-3	SH-1351S SH-1349 SH-1351 SH-1350	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0644 0.0694	2.0190/2.0210 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500
NOTE: Engines Stamped With Identification Number On Front Of Block Starting With "T"								
Connecting Rod Main Bearing	45 Lbs.Ft. 70 Lbs.Ft.							
6	292 CID (4.8L) 292 Chevrolet 6 Cyl			3.875in./98.4mm x 4.125in./104.8mm				6
Rod Bearing(6)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(6)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(6)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4-5-6 7	TM-77	MS-617P MB-3135P MB-2588P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2983/2.2993	0.0003/0.0033 0.0006/0.0036	0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.0090
Cam Bearing Set 1-4 2-3	AL-3	SH-399S SH-399 SH-400	STD,10	1.8682/1.8692 1.8682/1.8692	0.0005/0.0050 0.0005/0.0050	0.0697 0.0647	2.0090/2.0110 1.9990/2.0010	0.8700 0.8700
NOTE: Thru 1970								
Cam Bearing Set 1-2-3-4	AL-3	SH-718S SH-400	STD,10	1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
NOTE: From 1971								
Connecting Rod Main Bearing	30 To 35 Lbs.Ft. 60 To 70 Lbs.Ft.							
8 CYL								
7	283 CID (4.6L) 185 Chevrolet V8 Cyl			3.875in./98.4mm x 3.000in./76.2mm				7
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420



THERMO ELECTRON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
7 (Cont.)	283 CID (4.6L) 185 Chevrolet V8 Cyl				3.875in./98.4mm x 3.000in./76.2mm			7 (Cont.)
Main Bearing Set 1-2-3-4 5	TM-77	MS-429P MB-3135P MB-1769P(F)	STD,1,10,20,30,40	2.2983/2.2993 2.2978/2.2988	0.0003/0.0033 0.0011/0.0041	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.7180
Cam Bearing Set 1 2 3-4 5	B-1	SH-287S SH-290 SH-288 SH-287 SH-289	STD	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644 0.0694	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010 2.0090/2.0110	0.7500 0.7500 0.7500 0.9500
NOTE: Thru 1963								
Cam Bearing Set 1 2-5 3-4	B-1	SH-290S SH-290 SH-288 SH-287	STD,10	1.8682/1.8692 1.8682/1.8692 1.8682/1.8692	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0744 0.0694 0.0644	2.0190/2.0210 2.0090/2.0110 1.9990/2.0010	0.7500 0.7500 0.7500
NOTE: From 1964								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1352S SH-1352	STD	1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set 1-2-3-4-5	AL-3	SH-1401S SH-1401	STD	1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: From 1964, Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging C/S Forging	3703526, 3703527, 3784000, 3815281 1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3835236TG							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	60 To 70 Lbs.Ft.							
8	302 CID (5.0L) 188,215,225 Ford V8 Cyl				4.000in./101.6mm x 3.000in./76.2mm			8
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-4-5 3	AL-5	MS-590A-10 MB-2121A MB-2122A(F)	20,30	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
Main Bearing Set 1-2-4-5 3	TM-77	MS-590P MB-2121P MB-2122P(F)	STD,1,10,20,30,40	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1330
Main Bearing Set 1-2-4-5 3	TM-77	MS-1746P-10 MB-2121P MB-3124P(F)	20,30	2.2482/2.2490 2.2482/2.2490	0.0001/0.0026 0.0005/0.0029	0.0960 0.0960	2.4412/2.4420 2.4412/2.4420	0.8900 1.1430
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1 2 3 4 5	B-1	SH-510S SH-510 SH-511 SH-512 SH-513 SH-514	STD	2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700
Connecting Rod	19 To 24 Lbs.Ft.							
Main Bearing	60 To 70 Lbs.Ft.							
9	305 CID (5.0L) 190,220 Chevrolet V8 Cyl 307 CID (5.0L) 200 Chevrolet V8 Cyl 327 CID (5.4L) 210,230,250,320 Chevrolet V8 Cyl 350 CID (5.7L) 270 Chevrolet V8 Cyl				3.736in./95mm x 3.484in./88.5mm 3.875in./98.4mm x 3.250in./82.6mm 4.000in./101.6mm x 3.250in./82.6mm 4.000in./101.6mm x 3.484in./88.5mm			9
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal								
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal								



THERMO ELECTRON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
9 (Cont.)	305 CID (5.0L) 190,220 Chevrolet V8 Cyl			3.736in./95mm x 3.484in./88.5mm				9 (Cont.)
	307 CID (5.0L) 200 Chevrolet V8 Cyl			3.875in./98.4mm x 3.250in./82.6mm				
	327 CID (5.4L) 210,230,250,320 Chevrolet V8 Cyl			4.000in./101.6mm x 3.250in./82.6mm				
	350 CID (5.7L) 270 Chevrolet V8 Cyl			4.000in./101.6mm x 3.484in./88.5mm				
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-909A-10	20,30					
1-2-3-4		MB-2508A		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: 2.448" Diameter Main Bearing Journals								
Main Bearing Set	TM-77	MS-909P	STD,1,2,10,20,30,40,C60					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: 2.448" Diameter Main Bearing Journals, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1626P-10	20,30,40					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: 2.448" Diameter Main Bearing Journals, Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1683P-20						
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-3060P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
NOTE: 2.448" Diameter Main Bearing Journals, Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1744P-10	20,30					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-3119P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
NOTE: 2.448" Diameter Main Bearing Journals, Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-290S	STD,10					
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: From 1964								
Cam Bearing Set	AL-3	SH-1349S	STD					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: From 1964,Heavy Duty Engine								
Cam Bearing Set	AL-3	SH-1352S	STD					
1-2-3-4-5		SH-1352		1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: From 1964,Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set	AL-3	SH-1401S	STD					
1-2-3-4-5		SH-1401		1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: From 1964,Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3185281, 3703526, 3703527, 3784000, 3815281, 3892671, 3916396, 3923282, 3946841							
C/S Forging	1130, 1178, 1182, 2680, 2690, 3279, 4577, 4672, 306275, 306276, 310514, 3732444, 3782680, 3782690, 3815822, 3832442, 3911000, 3911001, 3911011, 391101A, 3912335, 3914681, 3914682, 3930809, 3932444, 3941172, 3941174, 3941184, 4568749, 5782680							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
10	348 CID (5.7L) Chevrolet V8 Cyl			4.125in./104.8mm x 3.250in./82.6mm				10
	409 CID (6.7L) Chevrolet V8 Cyl			4.313in./109.6mm x 3.500in./88.9mm				
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set	TM-77	MS-458P-10						
1-2-3-4		MB-1840P		2.4980/2.4990	0.0007/0.0037	0.0938	2.6870/2.6880	1.0470
5		MB-1841P(F)		2.4980/2.4990	0.0021/0.0051	0.0931	2.6870/2.6880	1.8110



THERMO ELECTRON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
10 (Cont.)	348 CID (5.7L) Chevrolet V8 Cyl			4.125in./104.8mm x 3.250in./82.6mm				10 (Cont.)
	409 CID (6.7L) Chevrolet V8 Cyl			4.313in./109.6mm x 3.500in./88.9mm				
Cam Bearing Set	AL-3	SH-398S	STD					
1		SH-398		1.8682/1.8692	0.0005/0.0050	0.0747	2.0190/2.0210	0.8700
2		SH-399		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.8700
3-4		SH-400		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700
5		SH-401		1.8682/1.8692	0.0005/0.0050	0.0697	2.0090/2.0110	0.9500
Rod Forging	3732717, 3795624, 3837686							
C/S Forging	0819, 3732692, 3733223, 3733226, 3741640, 3741642, 3788072, 3795589, 3824544, 3824553, 3824554, 3829027, 3837466, 3838396, 0-191561, 0-191561							
Connecting Rod	35 To 45 Lbs.Ft.							
Main Bearing	90 To 100 Lbs.Ft.							
11	351 CID (5.8L) 233,255 Ford Windsor V8 Cyl			4.000in./101.6mm x 3.500in./88.9mm				11
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-981P	STD,1,10,20,30,40					
1-2-4-5		MB-2557P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Thru 1976, Full Grooved Main Bearings								
Main Bearing Set	AL-5	MS-1432A-10	20,30					
1-2-4-5		MB-2754A		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558A(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Main Bearing Set	TM-77	MS-1432P	STD,1,10,20,30,40					
1-2-4-5		MB-2754P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: From 1977, Partial Grooved Main Bearings								
Cam Bearing Set	B-1	SH-510S	STD					
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700
Rod Forging	C90E, D60E							
C/S Forging	3C, 3M, 7M, 3MA, 7MA, C90E-A							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
12	390 CID (6.4L) Ford V8 Cyl (1961-1971)			4.050in./102.9mm x 3.781in./96mm				12
Rod Bearing(8)	TM-77	CB-756P	STD,10,20	2.4380/2.4388	0.0024/0.0050	0.0750	2.5907/2.5915	0.7460
NOTE: 1961-1963								
Rod Bearing(8)	TM-77	CB-760P	STD,1,2,10,20,30,40,C50,C60	2.4380/2.4388	0.0001/0.0025	0.0760	2.5907/2.5915	0.7340
NOTE: 1964-1971								
Rod Bearing(8)	TM-77	CB-1801P-10	20,30,40	2.4380/2.4388	0.0001/0.0025	0.0770	2.5927/2.5935	0.7340
NOTE: 1964-1971, Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-445P	STD,10,20					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-1825P(F)		2.7484/2.7492	0.0007/0.0033	0.0958	2.9412/2.9420	1.1180
NOTE: 1961-1963, Contains 3.614"/3.684" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Main Bearing Set	TM-77	MS-685P	STD,10,20,30,40,C60					
1-2-4-5		MB-2441P		2.7484/2.7492	0.0005/0.0032	0.0961	2.9412/2.9420	0.9120
3		MB-2235P(F)		2.7484/2.7492	0.0009/0.0035	0.0957	2.9412/2.9420	1.1180
NOTE: 1964-1965, .060" Undersize Set Contains .019" Oversize Length Flange Bearing,Contains 3.764"/3.824" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								



THERMO ELECTRON (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
12 (Cont.)	390 CID (6.4L) Ford V8 Cyl (1961-1971)			4.050in./102.9mm x 3.781in./96mm				12 (Cont.)
Main Bearing Set 1-2-4-5 3	TM-77	MS-863P MB-2441P MB-2442P(F)	STD,1,10,20,30,40	2.7484/2.7492 2.7484/2.7492	0.0005/0.0032 0.0005/0.0032	0.0961 0.0961	2.9412/2.9420 2.9412/2.9420	0.9120 1.1180
NOTE: 1966-1971, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing,Contains 3.888"/3.948" Flange Diameter Flanged Bearing,Contains Full Grooved Bearings								
Cam Bearing Set 1 2 3 4 5	B-1	SH-781S SH-781 SH-377 SH-378 SH-379 SH-380	STD	2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248 2.1238/2.1248	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0919 0.0844 0.0769 0.0694 0.0619	2.3095/2.3105 2.2945/2.2955 2.2795/2.2805 2.2645/2.2655 2.2495/2.2505	0.6300 0.6300 0.6300 0.6300 0.5700
NOTE: 1961-1971								
Piston Pin Bushing(8)	B	223-3501	STD			0.0365	1.0360/1.0380	1.2500
NOTE: 1961-1971, Requires Light Reaming								
Rod Forging C/S Forging	C1AE-B, C2AE-B C1AE-A, C2AE-2, C2AE-B, C2AE-D, C3AE-B, C3AE-C, C3AE-E							
Connecting Rod	40 To 45 Lbs.Ft.							
Main Bearing	95 To 105 Lbs.Ft.							
13	427 CID (7.0L) CH320 Chevrolet V8 Cyl			4.250in./108mm x 3.766in./95.7mm				13
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4 5	AL-5	MS-829A-10 MB-2403A MB-2404A(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5	TM-77	MS-829P MB-2403P MB-2404P(F)	STD,1,10,20,30,40	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110
Main Bearing Set 1-2-3-4 5	TM-77	MS-1745P-10 MB-2403P MB-3120P(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8210
NOTE: Contains .010" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4 5	TM-77	MS-1748P-10 MB-3123P MB-2404P(F)	20	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.1087 0.0937	2.9570/2.9580 2.9370/2.9380	1.0440 1.8110
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter								
Cam Bearing Set 1 2 3-4 5	B-1	SH-615S SH-615 SH-616 SH-617 SH-618	STD	1.9485/1.9495 1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847 0.0897	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205 2.1295/2.1305	0.8700 0.9900 0.9900 0.9900
NOTE: Thru 1966								
Cam Bearing Set 1 2-5 3-4	B-1	SH-616S SH-615 SH-616 SH-617	STD	1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205	0.8700 0.9900 0.9900
NOTE: From 1967								
Rod Forging C/S Forging	3856239, 3856240, 3933174 6223, 7115, 9115, 3804816, 3836144, 3863144, 3874874, 3882842, 3882847, 3882848, 3882849, 3887114, 3904815, 3904816, 3941180, 3942411							
Connecting Rod	45 To 55 Lbs.Ft.							
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)							
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)							
14	454 CID (7.4L) 350 Chevrolet V8 Cyl			4.250in./108mm x 4.000in./101.6mm				14
Rod Bearing(8)	AL-5	CB-743A-10	20,30	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Rod Bearing(8)	TM-77	CB-743P	STD,1,2,10,20,30,40,50,C60	2.1990/2.2000	0.0012/0.0037	0.0620	2.3247/2.3252	0.8920
Main Bearing Set 1-2-3-4 5	AL-5	MS-829A-10 MB-2403A MB-2404A(F)	20,30	2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110



THERMO ELECTRON (Cont.)											
COUNTER DATA					SHOP DATA						
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length		
8 CYL (Cont.)											
14 (Cont.)	454 CID (7.4L) 350 Chevrolet V8 Cyl				4.250in./108mm x 4.000in./101.6mm				14 (Cont.)		
Main Bearing Set 1-2-3-4 5	TM-77	MS-829P MB-2403P MB-2404P(F)	STD,1,10,20,30,40		2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8110		
Main Bearing Set 1-2-3-4 5	TM-77	MS-1745P-10 MB-2403P MB-3120P(F)	20,30		2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.0934 0.0937	2.9370/2.9380 2.9370/2.9380	1.0440 1.8210		
NOTE: Contains .010" Oversize Length Flanged Bearing											
Main Bearing Set 1-2-3-4 5	TM-77	MS-1748P-10 MB-3123P MB-2404P(F)	20		2.7482/2.7492 2.7480/2.7490	0.0007/0.0032 0.0009/0.0039	0.1087 0.0937	2.9570/2.9580 2.9370/2.9380	1.0440 1.8110		
NOTE: Contains .020" Oversize Outside Diameter Straight Shell Bearings,Flange Bearing Is Not Oversize On The Outside Diameter											
Cam Bearing Set 1 2-5 3-4	B-1	SH-616S SH-615 SH-616 SH-617	STD		1.9485/1.9495 1.9485/1.9495 1.9485/1.9495	0.0006/0.0046 0.0006/0.0046 0.0006/0.0046	0.0947 0.0897 0.0847	2.1395/2.1405 2.1295/2.1305 2.1195/2.1205	0.8700 0.9900 0.9900		
Rod Forging C/S Forging	3856239, 3856240, 3933174 3521, 7416, 353039, 359730, 3962523, 3963523, 3963524, 3967463, 3975945, N353039, N853039, N853638										
Connecting Rod	45 To 55 Lbs.Ft.										
Main Bearing	110 To 120 Lbs.Ft. (High Performance Engine)										
Main Bearing	90 To 100 Lbs.Ft. (Except High Performance)										
VOLVO PENTA											
ENGINE DATA											
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block				
4 CYL				8 CYL (Cont.)							
B20B Volvo 121 CID/1990CC (2.0L)	3.500in./88.9mmX3.150in./80mm		1	250 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm		5				
B20E Volvo 121 CID/1990CC (2.0L)	3.500in./88.9mmX3.150in./80mm		1	260 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm		5				
B20F Volvo 121 CID/1990CC (2.0L)	3.500in./88.9mmX3.150in./80mm		2	270 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm		5				
8 CYL				271 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm		5				
200 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm		5	290 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm		5				
211 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm		5	302FLV Chevrolet 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm		4				
215 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm		3	311 Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm		5				
220 Ford 302 CID (5.0L)	4.000in./101.6mmX3.000in./76.2mm		3	AQ225C Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm		5				
225 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm		5	AQ260A Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm		5				
231 Chevrolet 305 CID (5.0L)	3.736in./95mmX3.484in./88.5mm		5	AQ290A Chevrolet 350 CID (5.7L)	4.000in./101.6mmX3.484in./88.5mm		5				
240 Ford Windsor 351 CID (5.8L)	4.000in./101.6mmX3.500in./88.9mm		6								
CONNECTING ROD FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
21A-6200	3.000in./76.2mm	3	3815281	3.000in./76.2mm	4	C2OE	3.000in./76.2mm	3	C8OE-A	3.000in./76.2mm	3
91A-6200	3.000in./76.2mm	3	3892671	3.484in./88.5mm	5	C3AE-A	3.000in./76.2mm	3	C30E-A	3.000in./76.2mm	3
3703526	3.000in./76.2mm	4	3916396	3.484in./88.5mm	5	C3AE-D	3.000in./76.2mm	3	C90E	3.500in./88.9mm	6
3703527	3.000in./76.2mm	4	3923282	3.484in./88.5mm	5	C3AE-J	3.000in./76.2mm	3	D60E	3.500in./88.9mm	6
3784000	3.000in./76.2mm	4	3946841	3.484in./88.5mm	5	C8DE	3.000in./76.2mm	3			
CRANKSHAFT FORGING NUMBERS											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
1J	3.000in./76.2mm	3	3MA	3.500in./88.9mm	6	3727449	3.000in./76.2mm	4	3838266	3.000in./76.2mm	4
1M	3.000in./76.2mm	3	7M	3.500in./88.9mm	6	3727499	3.000in./76.2mm	4	3849847	3.000in./76.2mm	4
1MA	3.000in./76.2mm	3	7MA	3.500in./88.9mm	6	3729449	3.000in./76.2mm	4	3876764	3.000in./76.2mm	4
2M	3.000in./76.2mm	3	1178	3.000in./76.2mm	4	3732444	3.484in./88.5mm	5	3876768	3.000in./76.2mm	4
2MA	3.000in./76.2mm	3	1182	3.484in./88.5mm	5	3734627	3.000in./76.2mm	4	3912335	3.484in./88.5mm	5
2MAB	3.000in./76.2mm	3	2690	3.484in./88.5mm	5	3735236	3.000in./76.2mm	4	3923278	3.000in./76.2mm	4
2MAC	3.000in./76.2mm	3	3279	3.000in./76.2mm	4	3832442	3.484in./88.5mm	5	3932444	3.484in./88.5mm	5
2MAD	3.000in./76.2mm	3	6764	3.000in./76.2mm	4	3835236TG	3.000in./76.2mm	4	3941176	3.000in./76.2mm	4
2MAE	3.000in./76.2mm	3	306275	3.484in./88.5mm	5	3836236	3.000in./76.2mm	4	3941184	3.484in./88.5mm	5
3C	3.500in./88.9mm	6	306276	3.484in./88.5mm	5	3836266	3.000in./76.2mm	4	4568749	3.484in./88.5mm	5
3M	3.500in./88.9mm	6	310514	3.484in./88.5mm	5	3837266	3.000in./76.2mm	4	C0E-A	3.000in./76.2mm	3



VOLVO PENTA (Cont.)											
CRANKSHAFT FORGING NUMBERS (Cont.)											
Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block	Forging No.	Stroke	Block
C2OE-A	3.000in./76.2mm	3	C3OE-B	3.000in./76.2mm	3	C20Z-A	3.000in./76.2mm	3	C	3.150in./80mm	1
C2OZ	3.000in./76.2mm	3	C3OZ	3.000in./76.2mm	3	C8OE-B	3.000in./76.2mm	3	C	3.150in./80mm	2
C3AE-F	3.000in./76.2mm	3	C9ZE-A	3.000in./76.2mm	3	C9OE-A	3.500in./88.9mm	6	GS-M	3.000in./76.2mm	3
COUNTER DATA						SHOP DATA					
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length			
4 CYL											
1	121 CID/1990CC (2.0L) B20B Volvo 4 Cyl (1969-1971)					3.500in./88.9mm x 3.150in./80mm					1
	121 CID/1990CC (2.0L) B20E Volvo 4 Cyl (1971)					3.500in./88.9mm x 3.150in./80mm					
Rod Bearing(4)	TM-77	CB-734P	STD,10	2.1299/2.1303	0.0017/0.0036	0.0725	2.2765/2.2770	1.0620			
Main Bearing Set	TM-77	MS-813P	STD,10								
1-2-3-4		MB-2373P		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.1000			
5		MB-2374P(F)		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.5320			
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing											
C/S Forging C											
Connecting Rod	38 To 42 Lbs.Ft.										
Main Bearing	87 To 94 Lbs.Ft.										
2	121 CID/1990CC (2.0L) B20F Volvo 4 Cyl (1971-1975)					3.500in./88.9mm x 3.150in./80mm					2
Rod Bearing(4)	TM-77	CB-734P	STD,10	2.1299/2.1303	0.0017/0.0036	0.0725	2.2765/2.2770	1.0620			
NOTE: 1971-1972											
Rod Bearing(4)		CB-1137P	STD,10,20,30	2.1255/2.1260	0.0015/0.0033	0.0783	2.2835/2.2840	0.9450			
NOTE: 1973-1975											
Main Bearing Set	TM-77	MS-813P	STD,10								
1-2-3-4		MB-2373P		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.1000			
5		MB-2374P(F)		2.4977/2.4982	0.0009/0.0034	0.0784	2.6560/2.6570	1.5320			
NOTE: .010" Undersize Set Contains .004" Oversize Length Flanged Bearing											
C/S Forging C											
Connecting Rod	38 To 42 Lbs.Ft.										
Main Bearing	87 To 94 Lbs.Ft.										
8 CYL											
3	302 CID (5.0L) 215,220 Ford V8 Cyl					4.000in./101.6mm x 3.000in./76.2mm					3
Rod Bearing(8)	AL-5	CB-634A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260			
Rod Bearing(8)	TM-77	CB-634P	STD,1,2,10,20,30,40,C60	2.1228/2.1236	0.0003/0.0029	0.0576	2.2390/2.2398	0.7260			
Rod Bearing(8)	AL-5	CB-1778A-10	20,30	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260			
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock											
Rod Bearing(8)	TM-77	CB-1778P-10	20,30,40	2.1228/2.1236	0.0003/0.0029	0.0586	2.2410/2.2418	0.7260			
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock											
Main Bearing Set	AL-5	MS-590A-10	20,30								
1-2-4-5		MB-2121A		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900			
3		MB-2122A(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330			
Main Bearing Set	TM-77	MS-590P	STD,1,10,20,30,40								
1-2-4-5		MB-2121P		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900			
3		MB-2122P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1330			
Main Bearing Set	TM-77	MS-1746P-10	20,30								
1-2-4-5		MB-2121P		2.2482/2.2490	0.0001/0.0026	0.0960	2.4412/2.4420	0.8900			
3		MB-3124P(F)		2.2482/2.2490	0.0005/0.0029	0.0960	2.4412/2.4420	1.1430			
NOTE: Contains .010" Oversize Length Flanged Bearing											
Cam Bearing Set	B-1	SH-510S	STD								
1		SH-510		2.0805/2.0815	0.0010/0.0050	0.0608	2.2041/2.2051	0.6700			
2		SH-511		2.0655/2.0665	0.0010/0.0050	0.0608	2.1890/2.1900	0.6700			
3		SH-512		2.0505/2.0515	0.0010/0.0050	0.0608	2.1740/2.1750	0.6700			
4		SH-513		2.0355/2.0365	0.0010/0.0050	0.0608	2.1590/2.1600	0.6700			
5		SH-514		2.0205/2.0215	0.0010/0.0050	0.0608	2.1440/2.1450	0.6700			
Rod Forging	C2OE, C8DE, C30E-A, C3AE-A, C3AE-D, C3AE-J, C8OE-A, 21A-6200, 91A-6200										
C/S Forging	1J, 1M, 2M, 1MA, 2MA, 2MAB, 2MAC, 2MAD, 2MAE, C2OZ, C3OZ, GS-M, C0E-A, C20Z-A, C2OE-A, C3AE-F, C3OE-B, C8OE-B, C9ZE-A										
Connecting Rod	19 To 24 Lbs.Ft.										
Main Bearing	60 To 70 Lbs.Ft.										
4	302 CID (5.0L) 302FLV Chevrolet V8 Cyl					4.000in./101.6mm x 3.000in./76.2mm					4
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420			
NOTE: 2.100" Diameter Crankshaft Rod Journal											



VOLVO PENTA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
4 (Cont.)	302 CID (5.0L) 302FLV Chevrolet V8 Cyl			4.000in./101.6mm x 3.000in./76.2mm				4 (Cont.)
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal								
Rod Bearing(8)	TM-77	CB-745P	STD,1,2,10,20,30,40,C60	1.9990/2.0000	0.0010/0.0035	0.0621	2.1247/2.1252	0.8420
NOTE: 2.000" Diameter Crankshaft Rod Journal								
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: 2.100" Diameter Crankshaft Rod Journal,Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-429P	STD,1,10,20,30,40					
1-2-3-4		MB-3135P		2.2983/2.2993	0.0003/0.0033	0.0955	2.4906/2.4916	0.8070
5		MB-1769P(F)		2.2978/2.2988	0.0011/0.0041	0.0955	2.4906/2.4916	1.7180
NOTE: 2.298" Diameter Main Bearing Journals								
Main Bearing Set	AL-5	MS-909A-10	20,30					
1-2-3-4		MB-2508A		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: 2.448" Diameter Main Bearing Journals								
Main Bearing Set	TM-77	MS-909P	STD,1,2,10,20,30,40,C60					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: 2.448" Diameter Main Bearing Journals, .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1626P-10	20,30,40					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: 2.448" Diameter Main Bearing Journals, Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1683P-20						
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-3060P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
NOTE: 2.448" Diameter Main Bearing Journals, Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1744P-10	20,30					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-3119P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
NOTE: 2.448" Diameter Main Bearing Journals, Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-290S	STD,10					
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
Cam Bearing Set	AL-3	SH-1349S	STD					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set	AL-3	SH-1352S	STD					
1-2-3-4-5		SH-1352		1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set	AL-3	SH-1401S	STD					
1-2-3-4-5		SH-1401		1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3703526, 3703527, 3784000, 3815281							
C/S Forging	1178, 3279, 6764, 3727449, 3727499, 3729449, 3734627, 3735236, 3836236, 3836266, 3837266, 3838266, 3849847, 3876764, 3876768, 3923278, 3941176, 3835236TG							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft. (2.448" Diameter Main Bearing Journals)							
Main Bearing	80 Lbs.Ft. (2.298" Diameter Main Bearing Journals)							



VOLVO PENTA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
5	305 CID (5.0L) 200,211,225,231,AQ200C,AQ225C Chevrolet V8 Cyl				3.736in./95mm x 3.484in./88.5mm			5
	350 CID (5.7L) 250,260,270,271,290,311,AQ260A,AQ290A Chevrolet V8 Cyl				4.000in./101.6mm x 3.484in./88.5mm			
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	AL-5	MS-909A-10	20,30					
1-2-3-4		MB-2508A		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2509A(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
Main Bearing Set	TM-77	MS-909P	STD,1,2,10,20,30,40,C60					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2509P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1626P-10	20,30,40					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2981P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1683P-20						
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-3060P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1744P-10	20,30					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-3119P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-290S	STD,10					
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
Cam Bearing Set	AL-3	SH-1349S	STD					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set	AL-3	SH-1352S	STD					
1-2-3-4-5		SH-1352		1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set	AL-3	SH-1401S	STD					
1-2-3-4-5		SH-1401		1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3892671, 3916396, 3923282, 3946841							
C/S Forging	1182, 2690, 306275, 306276, 310514, 3732444, 3832442, 3912335, 3932444, 3941184, 4568749							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							
6	351 CID (5.8L) 240 Ford Windsor V8 Cyl				4.000in./101.6mm x 3.500in./88.9mm			6
Rod Bearing(8)	AL-5	CB-831A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	TM-77	CB-831P	STD,1,10,20,30,40	2.3103/2.3111	0.0005/0.0031	0.0577	2.4265/2.4273	0.7260
Rod Bearing(8)	AL-5	CB-1803A-10	20,30	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1803P-10	20,30,40	2.3103/2.3111	0.0005/0.0031	0.0587	2.4285/2.4293	0.7260
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set	TM-77	MS-981P	STD,1,10,20,30,40					
1-2-4-5		MB-2557P		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	0.8400
3		MB-2558P(F)		2.9994/3.0002	0.0005/0.0029	0.0960	3.1922/3.1930	1.1330
NOTE: Thru 1976, Full Grooved Main Bearings								



VOLVO PENTA (Cont.)											
COUNTER DATA					SHOP DATA						
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length		
8 CYL (Cont.)											
6 (Cont.)	351 CID (5.8L) 240 Ford Windsor V8 Cyl				4.000in./101.6mm x 3.500in./88.9mm				6 (Cont.)		
Main Bearing Set 1-2-4-5 3	AL-5	MS-1432A-10 MB-2754A MB-2558A(F)	20,30		2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330		
NOTE: From 1977, Partial Grooved Main Bearings											
Main Bearing Set 1-2-4-5 3	TM-77	MS-1432P MB-2754P MB2558P(F)	STD,1,10,20,30,40		2.9994/3.0002 2.9994/3.0002	0.0005/0.0029 0.0005/0.0029	0.0960 0.0960	3.1922/3.1930 3.1922/3.1930	0.8400 1.1330		
NOTE: From 1977, Partial Grooved Main Bearings											
Cam Bearing Set 1 2 3 4 5	B-1	SH-510S SH-510 SH-511 SH-512 SH-513 SH-514	STD		2.0805/2.0815 2.0655/2.0665 2.0505/2.0515 2.0355/2.0365 2.0205/2.0215	0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050 0.0010/0.0050	0.0608 0.0608 0.0608 0.0608 0.0608	2.2041/2.2051 2.1890/2.1900 2.1740/2.1750 2.1590/2.1600 2.1440/2.1450	0.6700 0.6700 0.6700 0.6700 0.6700		
Rod Forging C/S Forging	C90E, D60E 3C, 3M, 7M, 3MA, 7MA, C90E-A										
Connecting Rod Main Bearing	40 To 45 Lbs.Ft. 95 To 105 Lbs.Ft.										
YAMAHA											
ENGINE DATA											
Engine	Bore & Stroke		Block	Engine	Bore & Stroke		Block				
	4 CYL				8 CYL						
3.0 Litre Chevrolet 181 CID (3.0L)	4.000in./101.6mmX3.600in./91.4mm		1	5.0 Litre Chevrolet 305 CID (5.0L) 5.7 Litre Chevrolet 350 CID (5.7L)	3.736in./95mmX3.484in./88.5mm 4.000in./101.6mmX3.484in./88.5mm		3 3				
	6 CYL										
4.3 Litre Chevrolet 262 CID (4.3L)	4.000in./101.6mmX3.484in./88.5mm		2								
CONNECTING ROD FORGING NUMBERS											
Forging No. 3892671	Stroke 3.484in./88.5mm	Block 3	Forging No. 3916396	Stroke 3.484in./88.5mm	Block 3	Forging No. 3923282	Stroke 3.484in./88.5mm	Block 3	Forging No. 3946841	Stroke 3.484in./88.5mm	Block 3
CRANKSHAFT FORGING NUMBERS											
Forging No. 1182 2690 306275 306276	Stroke 3.484in./88.5mm 3.484in./88.5mm 3.484in./88.5mm 3.484in./88.5mm	Block 3 3 3 3	Forging No. 310514 3732444 3832442 3912335	Stroke 3.484in./88.5mm 3.484in./88.5mm 3.484in./88.5mm 3.484in./88.5mm	Block 3 3 3 3	Forging No. 3932444 3941184 4568749 N140966	Stroke 3.484in./88.5mm 3.484in./88.5mm 3.484in./88.5mm 3.600in./91.4mm	Block 3 3 3 1	Forging No. N3941352	Stroke 3.600in./91.4mm	Block 1
COUNTER DATA					SHOP DATA						
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes		Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length		
4 CYL											
1	181 CID (3.0L) 3.0 Litre Chevrolet 4 Cyl				4.000in./101.6mm x 3.600in./91.4mm				1		
Rod Bearing(4)	AL-5	CB-663A-10	20,30		2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420		
Rod Bearing(4)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60		2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420		
Rod Bearing(4)	AL-5	CB-1776A-10	20,30		2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420		
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock											
Rod Bearing(4)	TM-77	CB-1776P-10	20,30,40		2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420		
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock											
Main Bearing Set 1-2-3-4 5	TM-77	MS-1733P MB-3135P MB-2588P(F)	STD,1,10,20,30,40		2.2983/2.2993 2.2983/2.2993	0.0003/0.0033 0.0006/0.0036	0.0955 0.0955	2.4906/2.4916 2.4906/2.4916	0.8070 1.0090		
Cam Bearing Set 1-2-3	AL-3	SH-1030S SH-400	STD,10		1.8682/1.8692	0.0005/0.0050	0.0647	1.9990/2.0010	0.8700		
C/S Forging	N140966, N3941352										



YAMAHA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
6 CYL								
2	262 CID (4.3L) 4.3 Litre Chevrolet V6 Cyl			4.000in./101.6mm x 3.484in./88.5mm				2
Rod Bearing(6)	AL-5	CB-1358A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	TM-77	CB-1358P	STD,1,10,20,30,40	2.2492/2.2498	0.0005/0.0031	0.0622	2.3747/2.3757	0.7530
Rod Bearing(6)	AL-5	CB-1794A-10	20,30	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(6)	TM-77	CB-1794P-10	20,30,40	2.2492/2.2498	0.0005/0.0031	0.0632	2.3767/2.3777	0.7530
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3	AL-5	MS-1454A-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508A		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
		MB-2509A(F)						
Main Bearing Set 1-2-3	TM-77	MS-1454P	STD,1,10,20,30,40	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
		MB-2509P(F)						
Main Bearing Set 1-2-3	TM-77	MS-1628P-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
		MB-2981P(F)						
NOTE: Contains .020" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3	TM-77	MS-1684P-20		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
		MB-3060P(F)						
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3	TM-77	MS-2215P-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
4		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
		MB-3119P(F)						
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set 1	AL-3	SH-1350S	STD,10	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-4		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
		SH-1351						
NOTE: Except Engines Stamped With Identification Number Located On Front Of Block Starting With "T"								
Cam Bearing Set 1-4	AL-3	SH-1351S	STD	1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
3		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
		SH-1350						
NOTE: Engines Stamped With Identification Number On Front Of Block Starting With "T"								
Connecting Rod	45 Lbs.Ft.							
Main Bearing	70 Lbs.Ft.							
8 CYL								
3	305 CID (5.0L) 5.0 Litre Chevrolet V8 Cyl			3.736in./95mm x 3.484in./88.5mm				3
	350 CID (5.7L) 5.7 Litre Chevrolet V8 Cyl			4.000in./101.6mm x 3.484in./88.5mm				
Rod Bearing(8)	AL-5	CB-663A-10	20,30	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	TM-77	CB-663P	STD,1,2,10,20,30,40,C60	2.0990/2.1000	0.0012/0.0037	0.0620	2.2247/2.2252	0.8420
Rod Bearing(8)	AL-5	CB-1776A-10	20,30	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Rod Bearing(8)	TM-77	CB-1776P-10	20,30,40	2.0990/2.1000	0.0007/0.0032	0.0630	2.2267/2.2272	0.8420
NOTE: Connecting Rods With Housing Bore Resized .002" Larger Than Stock								
Main Bearing Set 1-2-3-4	AL-5	MS-909A-10	20,30	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508A		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
		MB-2509A(F)						
Main Bearing Set 1-2-3-4	TM-77	MS-909P	STD,1,2,10,20,30,40,C60	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7180
		MB-2509P(F)						
NOTE: .060" Undersize Set Contains .015" Oversize Length Flanged Bearing								
Main Bearing Set 1-2-3-4	TM-77	MS-1626P-10	20,30,40	2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-2508P		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7380
		MB-2981P(F)						
NOTE: Contains .020" Oversize Length Flanged Bearing								



YAMAHA (Cont.)								
COUNTER DATA				SHOP DATA				
Bearing or Position	Bearing Material	Clevite Part No.	Available Undersizes	Std. Shaft Diameter	Vert. Oil Clearance	Max. Wall	Brg. O.D. or Housing Bore	Max Length
8 CYL (Cont.)								
3 (Cont.)	305 CID (5.0L) 5.0 Litre Chevrolet V8 Cyl				3.736in./95mm x 3.484in./88.5mm			3 (Cont.)
	350 CID (5.7L) 5.7 Litre Chevrolet V8 Cyl				4.000in./101.6mm x 3.484in./88.5mm			
Main Bearing Set	TM-77	MS-1683P-20						
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-3060P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7580
NOTE: Contains .040" Oversize Length Flanged Bearing								
Main Bearing Set	TM-77	MS-1744P-10	20,30					
1-2-3-4		MB-2508P		2.4483/2.4493	0.0006/0.0036	0.0955	2.6406/2.6416	0.8070
5		MB-3119P(F)		2.4478/2.4488	0.0011/0.0041	0.0955	2.6406/2.6416	1.7280
NOTE: Contains .010" Oversize Length Flanged Bearing								
Cam Bearing Set	B-1	SH-290S	STD,10					
1		SH-290		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-288		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-287		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
Cam Bearing Set	AL-3	SH-1349S	STD					
1		SH-1349		1.8682/1.8692	0.0010/0.0050	0.0744	2.0190/2.0210	0.7500
2-5		SH-1350		1.8682/1.8692	0.0010/0.0050	0.0694	2.0090/2.0110	0.7500
3-4		SH-1351		1.8682/1.8692	0.0010/0.0050	0.0644	1.9990/2.0010	0.7500
NOTE: Heavy Duty Engine								
Cam Bearing Set	AL-3	SH-1352S	STD					
1-2-3-4-5		SH-1352		1.8682/1.8692	0.0010/0.0050	0.0794	2.0290/2.0310	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0290"/2.0310"								
Cam Bearing Set	AL-3	SH-1401S	STD					
1-2-3-4-5		SH-1401		1.8682/1.8692	0.0010/0.0050	0.0844	2.0390/2.0410	0.7500
NOTE: Oversize Align Bored Blocks With Housing Bore Size 2.0390"/2.0410"								
Rod Forging	3892671, 3916396, 3923282, 3946841							
C/S Forging	1182, 2690, 306275, 306276, 310514, 3732444, 3832442, 3912335, 3932444, 3941184, 4568749							
Connecting Rod	35 Lbs.Ft. (11/32" Bolts)							
Connecting Rod	45 Lbs.Ft. (3/8" Bolts)							
Main Bearing	75 Lbs.Ft.							



NUMERICAL LISTING OF CLEVITE CONNECTING ROD BEARINGS

Part No.	Undersizes	Part No.	Undersizes	Part No.	Undersizes
CB-15P	STD,1,10,20,30,40,C60 Ford: 239(1949-1951), 255(1949-1953); FordInd: 239(1949-1953); FordTrk: 239(1949-1953); MilStd: 239	CB-340P	STD,10,20,30,40 Alc: 339; Clark: 320, 339; Coshtt: 198; Herc: 130, 149, 164, 169, 173, 188, 198, 214, 226, 228, 232, 245, 260, 263, 282, 298, 320, 339, 130 Diesel, 149 Diesel, 169 Diesel, 173 Diesel, 198 Diesel, 226 Diesel, 260 Diesel, 298 Diesel, 339 Dies	CB-458P	STD,10,2,20,30,40 Alc: 153, 182, 230, 262, 273, 153 Diesel, 175 Diesel, 230 Diesel, 262 Diesel, 273 Diesel; Buda: 153, 182, 230, 262, 273, 38 Diesel, 153 Diesel, 175 Diesel, 230 Diesel, 262 Diesel, 273 Diesel; Coshtt: 230
CB-60G	STD,10,20,30,40,50,60 Chry: 218(1934-1950), 230(1946-1952); ChryInd: 218(1942-1954), 230(1942-60); ChryMar: 218, 230; Clark: 218(191942-1954); Coshtt: 218(1942-1954); DodTrk: 201(1941-41), 218(191939-1943), 230(1942-47); MasFer: 218(1942-54), 230(1942-60); MilStd: 230	CB-341P	STD,10,20 Alc: 237; ChrisCft: 230, 237; Clark: 237; Deere: 230; Herc: 191, 205, 222, 230, 237; Oliver: 205; PalMar: 230	CB-459P	STD Cont: 243 Diesel, 260 Diesel, 277 Diesel; MasFer: 260 Diesel, 277 Diesel
CB-78P	STD,10,20,30,40,C60 Case: 124, 140; Clark: 162, 209; Cont: 124, 140, 162, 170, 184, 186, 199, 202, 206, 209, 214, 218; Coshtt: 140; GrayMar: 140, 162; MasFer: 124, 140, 162; Oliver: 140, 162, 202, 209	CB-345P	STD,10,20,30 Cont: 50, 56, 62; MasFer: 62	CB-461P	STD,1,10,2,20,30,40,50 DearbMar: 239(1954-54), 256(1954-54), 272(1955-57), 292(1955-55), 312(1956-1957); Ford: 239(1954-54), 256(1954-54), 272(1955-57), 292(1955-1961), 312(1956-56); FordInd: 239(1954-55), 256(1954-55), 272(1956-58), 292(1958-1964); FordMar: 239(1957-57), 256(1956-58), 272(1959-6
CB-79P	STD,10,20,30,40,C60 Case: 106, 124, 126, 140, 148; Clark: 162, 209; Cont: 124, 140, 162, 170, 184, 186, 199, 202, 206, 209, 214, 218; Coshtt: 140; GrayMar: 140, 162; MasFer: 124, 140, 162; Oliver: 140, 162, 202, 209	CB-361P	STD,10 Pack: 289(1958-1958); Stud: 224(1955-56), 232(1951-54), 259(1955-64), 289(1956-1964), 304(1964-64); StudTrk: 224(1955-56), 259(1955-64), 289(1957-1964)	CB-462P	STD,10,20 Ford: 317(1952-54), 341(1955-55), 368(1956-1957); FordInd: 279(1952-55), 317(1952-55), 332(1956-1963); FordTrk: 279(1953-1955), 302(1956-1963), 317(1953-1955), 332(1956-1963)
CB-90P	STD,1,10,20,30,40,C60 Chry: 218(1938-1954), 237(1942-1950), 251(1942-48), 265(1951-54); ChryInd: 237, 251, 265; ChryMar: 251, 265; Coshtt: 237, 251; DodTrk: 242(1938-1941), 251(1942-1963), 265(1953-60); MasFer: 237, 251, 265; MilStd: 265; MinMol: 251, 265; Oliver: 251, 265	CB-362P	STD,10,2,20,30,40,C60 Cont: 120, 129, 134, 145; MasFer: 120, 129, 134, 145	CB-465P	STD,10,20,30 Clark: 226; Cont: 135, 162, 163, 198, 209, 226, 227, 242, 244, 245; Coshtt: 226; GrayMar: 226, 244; Jeep: 226(1947-1963); KaisFraz: 226(1947-1951); MasFer: 226, 227, 244; MinMol: 226, 244; Oliver: 226, 244
CB-179P	STD,10,2,20,30 Alc: 116, 125	CB-363P	STD,10,C60 Mack: 672, 707, 605 Diesel, 672 Diesel	CB-466P	STD,10,20,30,C40,C60 Clark: 226; Cont: 135, 162, 163, 198, 209, 226, 227, 242, 244, 245; Coshtt: 226; GrayMar: 226, 244; Jeep: 226(1947-1963); KaisFraz: 226(1947-1951); MasFer: 226, 227, 244; MinMol: 226, 244; Oliver: 226, 244
CB-200P	STD,1,10,2,20,30,40,C60 FerTrac: 120(1939-1947); FordInd: 120(1941-1942); FordTrac: 120; FordTrk: 120(1941-1942)	CB-386P	STD,10,2,20,30 IntInd: 113, 123; IntTrac: 113, 123	CB-468P	STD,20 Deere: 309(1941-53), 321(1941-1953)
CB-206P	STD,10,2,20,30 IntInd: 248; IntTrac: 248	CB-400AL	STD,10,20,30,50 Cat: 350 Diesel, 525 Diesel	CB-469P	STD Deere: 175, 190
CB-207P	STD,10,2,20 IntInd: 152; IntTrac: 152; MilStd: 152	CB-405P	STD,10,20,30 Cont: 227, 243, 260, 277; MasFer: 260, 277	CB-470P	STD,10,20,30 Cumm: 267 Diesel, 309 Diesel, 401 Diesel, 464 Diesel
CB-236P	STD,10,20,30,40,50,C60 Jeep: 134(1939-1953); KaisFraz: 134(1951-1953); MilStd: 134	CB-416P	STD,1,10,2,20,30,40,50 GMC: 235(1953-1957); GMC Trk.: 235(1953-1962), 261(1954-1962)	CB-472P	STD,10,20,30 GMC: 331(1955-55), 365(1956-58), 390(1959-60), 429(1964-1967)
CB-266P	STD,10,20,30,40,C60 IntInd: 372, 406, 450, 451, 501; NavInt: 318(1944-47), 361(1944-49), 372(1949-63), 401(1944-49), 406(1949-1974), 450(1944-68), 451(1949-68), 501(1953-68)	CB-420P	STD,10,20 IntInd: 164, 169, 175; IntTrac: 164, 169, 175	CB-473P	STD,10,20,30 IntInd: 401, 461, 549; NavInt: (1956-69), 401(1956-1972), 461(1956-64), 478(1965-68), 549(1956-71); PalMar: 401(1956-1975), 461(1956-1964), 549(1956-1972)
CB-268P	STD,10,20,30 IntInd: 248 Diesel, 264 Diesel, 281 Diesel; IntTrac: 248 Diesel, 264 Diesel, 281 Diesel	CB-422P	STD,10,2,20,30 IntInd: 248, 264, 281; IntTrac: 248, 264, 281	CB-475P	STD,10,20,30,40 IntInd: 220, 240, 264; NavInt: 220(1950-68), 240(1949-62), 241(1963-70), 264(1955-60), 265(1955-1970); PalMar: 240(1950-69), 264(1955-1969)
CB-278P	STD,10,20,30 Clark: 69, 91, 112; Cont: 69, 91, 112; GrayMar: 69, 91, 112; MasFer: 91; Oliver: 112	CB-426P	STD,10 GMC: 264(1954-55), 322(1953-1956)	CB-481H	STD,1,10 Chry: 273(1964-1969), 318(1957-2002), 340(1968-1973), 360(1971-2002), 488(1992-2003)
CB-279P	STD,10,20,30 Clark: 69, 91, 112; Cont: 69, 91, 112; GrayMar: 69, 91, 112; MasFer: 91; Oliver: 112	CB-427P	STD,10,20,30,40 GMC Trk.: 228(1939-42), 236(1942-46), 248(1939-53), 270(1939-55), 302(1952-1959); MilStd: 302	CB-481HK	STD,1,10 Chry: 273(1964-69), 318(1957-2002), 340(1968-73), 360(1971-02), 488(1992-2003)
CB-286P	STD,10 MilStd: 170; Stud: 169(1941-1954), 170(1941-1964), 186(1955-56); StudTrk: 170(1941-1942), 186(1955-58)	CB-436B	STD,10,20,30 Deere: 113, 100.5	CB-481HN	STD,1,10,11,9 Chry: 273(1964-1969), 318(1957-2002), 340(1968-1973), 360(1971-2002), 488(1994-2002)
CB-291P	STD Wauk: 468, 525, 554	CB-446P	STD,10,20 Coshtt: 194, 194 Diesel; Oliver: 121, 129, 144, 155, 194, 216, 232, 129 Diesel, 144 Diesel, 155 Diesel, 194 Diesel, 216 Diesel; Wauk: 121, 125, 129, 144, 155, 194, 216, 232, 129 Diesel, 144 Diesel, 155 Diesel, 194 Diesel, 216 Diesel, 232 Di	CB-481HNK	STD,1,10 Chry: 273(1964-69), 318(1957-02), 340(1968-73), 360(1971-02), 488(1994-2002)
CB-292P	STD,20 MilStd: 779, 817; Wauk: 501, 638, 779, 817	CB-448P	STD,10 MinMol: 283, 340, 403, 605, 605 Diesel		
CB-296P	STD,10,20,30,40 Cumm: 743, 448 Diesel, 464 Diesel, 495 Diesel, 672 Diesel, 743 Diesel	CB-450P	STD,10 Oliver: 265, 302, 265 Diesel, 302 Diesel; Wauk: 265, 302, 320, 265 Diesel, 302 Diesel		
CB-310P	STD,10,2,20,30 IntInd: 60; IntTrac: 60; PalMar: 60	CB-451P	STD,10,20,30,40 Oliver: 129, 144, 155, 194, 216, 231, 232, 265, 302, 129 Diesel, 144 Diesel, 155 Diesel, 194 Diesel, 216 Diesel, 231 Diesel, 265 Diesel; Wauk: 125, 129, 144, 155, 194, 216, 232, 265, 302, 320, 129 Diesel, 144 Diesel, 155 Diesel, 194 Diesel		
		CB-452P	STD,10,20 IntInd: 269; NavInt: 250(1941-47), 269(1942-49), 282(1953-59), 308(1955-1971); PalMar: 308(1955-1969)		



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Part No.	Undersizes	Part No.	Undersizes	Part No.	Undersizes
CB-481HX	STD Chry: 273(1964-69), 318(1957-02), 340(1968-73), 360(1971-02), 488(1992-2003)	CB-527HNDK	STD Chry: 350(1958-58), 361(1958-77), 383(1959-71), 400(1972-80), 413(1959-77), 426(1964-65), 440(1966-1980)	CB-556P	STD,10,20 IntInd: 135; IntTrac: 135; MilStd: 54, 92, 108, 133; Wisc: 92, 108
CB-481HXK	STD Chry: 273(1964-69), 318(1957-02), 340(1968-73), 360(1971-02), 488(1992-2003)	CB-527HXD	STD Chry: 350(1958-1958), 361(1958-1977), 383(1959-1971), 400(1972-1980), 413(1959-1977), 426(1963-1971), 440(1966-1980)	CB-560AL	STD,10,20,30,40 Alc: 152 Diesel; FordTrac: 152; ForsnTrac: 144 Diesel(1964-74), 152 Diesel(1964-1964); Jeep: 192 Diesel(1968-1968); MasFer: 152, 135 Diesel, 144 Diesel, 152 Diesel, 192 Diesel, 203 Diesel, 288 Diesel, 305 Diesel; MinMol: 152 Diesel; Perk: 152, 13
CB-481HXN	STD Chry: 273(1964-69), 318(1957-02), 340(1968-73), 360(1971-02), 488(1992-2003)	CB-527HXDK	STD Chry: 350(1958-58), 361(1958-77), 383(1959-71), 400(1972-80), 413(1959-77), 426(1963-71), 440(1966-1980)	CB-579P	STD,10,20 MilStd: 124, 139, 149, 153, 187, 199, 209, 223, 226, 230, 251, 339; Wisc: 149, 154, 177
CB-481HXNK	STD Chry: 273(1964-69), 318(1967-67), 340(1968-73), 360(1971-02), 488(1992-2003)	CB-527HXND	STD Chry: 350(1958-58), 361(1958-77), 383(1959-71), 400(1972-80), 413(1959-77), 426(1963-71), 440(1966-1980)	CB-581P	STD,1,10,2,20,30,40 IntInd: 345; NavInt: 266(1959-71), 304(1959-75), 345(1959-1971), 392(1968-78); PalMar: 304(1959-80), 345(1959-1980), 392(1968-82)
CB-481P	STD,1,10,2,20,30,40 Chry: 273(1964-66), 277(1956-56), 301(1956-57), 303(1956-56), 318(1957-89), 326(1959-59), 340(1968-71), 360(1971-1979), 488(1994-02); ChryInd: 318; ChryMar: 273, 318, 340, 360; DodTrk: 273(1964-68), 313(1958-65), 318(1959-1977), 360(1971-87), 488(1994-03); Jeep: 318(199	CB-527HXNDK	STD Chry: 350(1958-58), 361(1958-1977), 383(1959-71), 400(1972-80), 413(1959-77), 426(1963-71), 440(1966-80)	CB-583P	STD,1,10,20,30,40 DearbMar: 144(1960-64), 170(1961-1973); Ford: 140(1984-85), 144(1960-63), 170(1961-64), 200(1963-1967), 250(1969-73); FordInd: 144(1960-1964), 200(1965-83); FordMar: 144(1960-64), 170(1961-1973), 200(1964-83), 250(1969-79); FordTrk: 144(1960-64), 170(1961-1965), 200(1965-
CB-482P	STD,10 Chry: 315(1956-56), 325(1957-1957)	CB-527P	STD,1,10,20,30,40 Chry: 350(1958-58), 361(1958-1959), 383(1959-59), 400(1972-75), 413(1959-60), 426(1963-66), 440(1966-76); ChryInd: 361, 383, 400, 413, 440; ChryMar: 361, 383, 400, 413, 426, 440; DodTrk: 361(1960-69), 383(1967-71), 400(1972-74), 413(1960-76), 440(1973-1978); MilSt	CB-584P	STD,1,10,20 GMC: 140(1960-61), 145(1961-62), 164(1964-1966); GMC Trk.: 145(1961-1963); MilStd: 145
CB-488P	STD,10,20 Austin: 848(1959-78), 948(1958-62), 970(1963-65), 997(1961-64), 998(1961-1965), 1070(1963-65), 1098(1962-70), 1275(1963-70); MG: 948(1961-62), 1098(1963-1966), 1275(1968-69); Morris: 948(1957-62), 1098(1962-1971)	CB-533P	STD,10,20,30 IntInd: 135; IntTrac: 135, 146, 153, 157; MilStd: 124, 145, 162, 218, 230, 237, 244	CB-586P	STD,10,20,30,40,C60 GMC Trk.: 305(1960-1969), 351(1960-65), 379(1973-74), 401(1960-68), 432(1973-74), 478(1964-68), 637(1966-71), 702(1960-61), 351 Diesel(1964-67), 478 Diesel(1964-70), 637 Diesel(1966-68); Oliver: 478(1962-1974)
CB-489AL	STD,10,20,30 FordInd: 220 Diesel(1962-66), 330 Diesel(1962-1966); FordTrk: 220 Diesel(1952-66), 330 Diesel(1960-1966); ForsnTrac: 330 Diesel(1960-1966)	CB-535P	STD,1,10,2,20,30,40 Ford: 215(1952-53), 223(1954-1960); FordInd: 134(1953-76), 172(1955-78), 192(1972-81), 215(1952-53), 223(1954-60), 144 Diesel(1958-65), 172 Diesel(1958-78), 192 Diesel(1972-1981); FordTrac: 134(1953-65), 172(1955-65), 192(1971-81), 223(1955-66), 144 Diesel(1958-65), 172	CB-590P	STD,10,20,30 IntInd: 817 Diesel; IntTrac: 817 Diesel
CB-503B	STD,10,20,30,40,60 GMC: 216(1937-52), 235(1950-1953); GMC Trk.: 216(1937-49), 235(1950-1953)	CB-542HN	STD,1,10,20 GMC: 400(1965-1969), 425(1965-67), 455(1968-76), 472(1968-74), 500(1970-76)	CB-591P	STD,10,20 MasFer: 504, 504 Diesel; MinMol: 336, 425, 283 Diesel, 336 Diesel, 425 Diesel, 451 Diesel; WhiFarm: 504 Diesel
CB-504B	STD,10,20,30 Bendix: 10	CB-542HXXN	STD GMC: 400(1965-1969), 425(1965-67), 455(1968-76), 472(1968-74), 500(1970-76)	CB-592P	STD,20,30 MinMol: 283, 403, 425, 425 Diesel
CB-505B	STD,10,20 Bendix: 13, 17, 20	CB-542P	STD,1,10,20,30,40 BarrMar: 455(1968-1976); Berk: 455(1968-1976); GMC: 368(1980-81), 371(1959-60), 394(1959-64), 400(1965-67), 425(1965-67), 455(1968-1970), 472(1968-74), 500(1970-76); GMC Trk.: 370(1959-59), 455(1973-1976); JacMar: 455(1968-1976); OldsMar: 455(1968-1976); OscoMar: 455(19	CB-594P	STD,10,20 MinMol: 206(1956-59), 220(1956-59), 206 Diesel(1956-59), 236 Diesel(1956-59)
CB-507P	STD,10,20 AMC: 250(1958-61), 287(1963-1965), 327(1957-63); Jeep: 327(1965-1970)	CB-546P	STD,20 Wauk: 426, 451, 426 Diesel	CB-596P	STD,10 Cont: 201, 208, 223, 242, 243, 208 Diesel, 242 Diesel; MasFer: 201, 208, 223, 242, 208 Diesel
CB-510P	STD,10,30 Cont: 253, 271, 290, 330, 338, 363, 427; GrayMar: 330; MasFer: 290, 330	CB-550P	STD,1,10,2,20,30 IntInd: 175, 221, 263, 282, 301, 166 Diesel, 236 Diesel, 282 Diesel, 301 Diesel; IntTrac: 175, 200, 221, 263, 282, 291, 301, 166 Diesel, 188 Diesel, 236 Diesel, 282 Diesel, 301 Diesel; NavInt: 301 Diesel(1960-1975)	CB-597P	STD Wauk: 5788
CB-521P	STD,10 Ford: 383(1958-58), 410(1958-58), 430(1958-1958), 462(1966-68)	CB-551P	STD Wauk: 1905, 1905 Diesel	CB-599P	STD,10,20,30 Mack: 707, 672 Diesel, 707 Diesel
CB-524P	STD,10,20,30 Cont: 50, 56, 62; MasFer: 62	CB-555P	STD,10,2,20,30,40 Clark: 568 Diesel; DetD: 426 Diesel(1979-88), 552 Diesel(1979-86), 568 Diesel(1980-88), 736 Diesel(1980-88), 852 Diesel(1980-88), 1104 Diesel(1980-88), 1136 Diesel(1980-88), 1472 Diesel(1980-88); GMC Trk.: 552 Diesel(1980-1981); Kenw: 552 Diesel(1982-1986);	CB-603P	STD,10,20,30,40 Ford: 98(1971-1973), 997(1960-67), 1098(1968-80), 1100(1971-73), 1198(1961-68), 1298(1968-73), 1340(1961-62), 1498(1963-67), 1599(1967-72); FordInd: 67(1973-82), 98(1973-1982); FordTrk: 997(1959-67), 1198(1961-1968)
CB-527HDK	STD Chry: 350(1958-58), 361(1958-77), 383(1959-71), 400(1972-80), 413(1959-77), 426(1963-1971), 440(1966-80)			CB-606G	STD,1,10,20,30,40,60 Chry: 170(1960-62), 198(1970-74), 225(1960-1973); ChryInd: 225(1961-1976); ChryMar: 170, 198, 225; DodTrk: 170(1963-69), 198(1970-71), 225(1961-1971); MasFer: 170, 225
CB-527HND	STD,1,10,11,9 Chry: 350(1958-58), 361(1958-77), 383(1959-71), 400(1972-80), 413(1959-77), 426(1963-71), 440(1966-1980)			CB-609P	STD Wauk: 1013, 1196



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Part No.	Undersizes	Part No.	Undersizes	Part No.	Undersizes
CB-610P	STD,1,10,20,30,40 AMC: 151(1980-1983); ChrisCft: 225; GMC: 151(1977-1983), 198(1962-63), 215(1961-61), 225(1964-65), 231(1975-75), 265(1980-81), 300(1964-65), 301(1977-79), 340(1966-67), 350(1968-75); GMC Trk.: 151(1985-1991); Jeep: 151(1980-83), 225(1966-71), 350(1968-1971); LRover: 352	CB-634HXNK	STD Ford: 221(1962-63), 255(1980-82), 260(1962-1965), 289(1963-68), 302(1968-01)	CB-663HNDK	STD,1,10 GMC: 262(1975-76), 267(1979-82), 294(1999-2007), 302(1968-69), 305(1976-98), 307(1968-73), 325(1999-07), 327(1968-69), 346(1997-04), 350(1992-98), 365(1999-07), 400(1970-80)
CB-615P	STD,10,20,30,C40,C60 FordInd: 401(1960-76), 477(1960-81), 534(1960-1981); FordMar: 534(1960-1981); FordTrk: 401(1960-69), 475(1973-79), 477(1960-81), 534(1960-1981); MilStd: 534; Seamstr: 534	CB-634P	STD,1,10,2,20,30,40 CommMar: 302; DearbMar: 289, 302; Ford: 221(1962-63), 255(1980-82), 260(1962-64), 289(1964-1967), 302(1968-74); FordInd: 302(1968-1993); FordMar: 221, 260, 289, 302; FordTrk: 255(1981-82), 260(1964-64), 289(1965-68), 302(1968-1995); GlasMar: 302; HolMdyMar: 30	CB-663HNK	STD,1,10 GMC: 262(1975-76), 267(1979-82), 294(1999-04), 302(1968-69), 305(1976-98), 307(1968-73), 325(1999-04), 327(1968-69), 346(1997-04), 350(1992-1998), 365(1999-05), 400(1970-80)
CB-616P	STD,10,20,30 Cont: 176; MasFer: 176	CB-634V	STD,1,10 Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)	CB-663HX	STD GMC: 262(1975-76), 267(1979-82), 294(1999-2007), 302(1968-69), 305(1976-98), 307(1968-73), 325(1999-07), 327(1968-69), 346(1997-04), 350(1967-98), 365(1999-07), 400(1970-80)
CB-618P	STD,10,20,30 Cont: 193, 206; MasFer: 193	CB-637P	STD,10,20,30 Deere: 115, 135, 145, 164, 165, 180, 202, 217, 219, 248, 145 Diesel, 155 Diesel, 165 Diesel, 202 Diesel, 248 Diesel	CB-663HDX	STD GMC: 262(1975-76), 267(1979-82), 294(1999-2007), 302(1968-69), 305(1976-98), 307(1968-73), 325(1999-07), 327(1968-69), 346(1997-04), 350(1967-98), 365(1999-07), 400(1970-80)
CB-619AL	STD,10,20,30,50 Cat: 425, 525, 638, 350 Diesel, 425 Diesel, 525 Diesel, 638 Diesel	CB-643P	STD,10 Deere: 303	CB-663HXDK	STD GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)
CB-621P	STD Cumm: 1485 Diesel, 1710 Diesel	CB-644P	STD,10,20 Deere: 362, 378 Diesel	CB-663HXK	STD GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)
CB-622P	STD,10,20,30 IntInd: 350 Diesel, 370 Diesel, 502 Diesel, 525 Diesel, 554 Diesel; IntTrac: 335 Diesel, 350 Diesel, 554 Diesel	CB-647P	STD,10,20,30 IntTrac: 144 Diesel, 154 Diesel	CB-663HXN	STD GMC: 262(1975-76), 267(1979-82), 294(1999-04), 302(1968-69), 305(1976-98), 307(1968-73), 325(1999-04), 327(1968-69), 346(1997-04), 350(1992-1998), 365(1999-05), 400(1970-80)
CB-625P	STD,10,20,30,40 Cumm: 855, 743 Diesel, 855 Diesel	CB-652AL	STD,10,20,30 MasFer: 107 Diesel; Perk: 99 Diesel, 107 Diesel, 108 Diesel	CB-663HXND	STD GMC: 262(1975-76), 267(1979-82), 294(1999-04), 302(1968-69), 305(1976-98), 307(1968-73), 325(1999-04), 327(1968-69), 346(1997-04), 350(1992-1998), 365(1999-05), 400(1970-80)
CB-632P	STD IntInd: 461 Diesel, 691 Diesel; IntTrac: 461 Diesel, 691 Diesel	CB-655P	STD,10,2,20,30 Case: 148, 159, 164, 188, 201, 188 Diesel; Case IH: 188, 188 Diesel	CB-663HXNK	STD GMC: 262(1975-76), 267(1979-82), 294(1999-04), 302(1968-69), 305(1976-98), 307(1968-73), 325(1999-04), 327(1968-69), 346(1997-04), 350(1992-1998), 365(1999-05), 400(1970-80)
CB-633P	STD,10,20 NavInt: 152(1961-1963), 196(1966-71); PalMar: 196(1966-1980)	CB-656B	STD,10,20,30 Bendix: 10	CB-663P	STD,1,10,2,20,30,40 Avanti: 305(1981-1988), 327(1968-68), 350(1970-80), 400(1973-76); Checker: 267(1980-82), 305(1978-81), 307(1968-68), 327(1968-69), 350(1969-1979); ChrisCft: 181, 302, 305, 307, 327, 350; FlagMar: 305, 307, 327, 350; GMC: 262(1975-76), 265(1994-94), 267(1979-81)
CB-634H	STD,1,10 Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)	CB-659P	STD,10 Reo: 331, 362, 400; White: 331, 362, 400		
CB-634HD	STD,10 Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)	CB-663H	STD,1,10,11,19,20,21,9 GMC: 262(1975-76), 267(1979-82), 294(1999-2007), 302(1968-69), 305(1976-98), 307(1968-73), 325(1999-07), 327(1968-69), 346(1997-04), 350(1967-98), 365(1999-07), 400(1970-80)		
CB-634HK	STD,1,10 Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)	CB-663HD	STD,1,10 GMC: 262(1975-76), 267(1979-82), 294(1999-2007), 302(1968-69), 305(1976-98), 307(1968-73), 325(1999-07), 327(1968-69), 346(1997-04), 350(1967-98), 365(1999-07), 400(1970-80)		
CB-634HN	STD,1,10,11,9 Ford: 221(1962-1963), 255(1980-82), 260(1962-65), 289(1963-68), 302(1968-01)	CB-663HDK	STD,1,10 GMC: 262(1975-76), 267(1979-82), 294(1999-2007), 302(1968-69), 305(1976-98), 307(1968-73), 325(1999-07), 327(1968-69), 346(1997-04), 350(1967-98), 365(1999-07), 400(1970-80)		
CB-634HND	STD,10 Ford: 221(1962-63), 255(1980-82), 260(1962-1965), 289(1963-68), 302(1968-01)	CB-663HK	STD,1,10 GMC: 262(1975-76), 267(1979-82), 294(1999-2007), 302(1968-69), 305(1976-98), 307(1968-73), 325(1999-07), 327(1968-69), 346(1997-04), 350(1967-98), 365(1999-07), 400(1970-80)		
CB-634HNK	STD,1,10 Ford: 221(1962-63), 255(1980-82), 260(1962-1965), 289(1963-68), 302(1968-01)	CB-663HN	STD,1,10,11,19,20,21,30,9 GMC: 262(1975-76), 267(1979-82), 294(1999-2007), 302(1968-69), 305(1976-98), 307(1968-73), 325(1999-07), 327(1968-69), 346(1997-04), 350(1992-98), 365(1999-07), 400(1970-80)		
CB-634HX	STD Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)				
CB-634HXX	STD Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)				
CB-634HXN	STD Ford: 221(1962-63), 255(1980-82), 260(1962-1965), 289(1963-68), 302(1968-01)				



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Part No.	Undersizes	Part No.	Undersizes	Part No.	Undersizes
CB-663VN	STD,1,10,20 GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)	CB-699P	STD,1,10,2,20,30,40 Ford: 240(1965-1968); FordInd: 240(1965-74), 300(1965-1993); FordMar: 240, 300; FordTrk: 240(1965-67), 300(1965-1967); OscoMar: 300	CB-743HNK	STD,1,10 GMC: 348(1958-61), 366(1966-98), 396(1965-70), 402(1970-1972), 409(1961-65), 427(1966-98), 454(1970-00), 502(1961-65)
CB-663VXN	STD GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)	CB-700P	STD,10,20,30,40 Alc: 344 Diesel, 516 Diesel; Buda: 344 Diesel, 516 Diesel	CB-743HX	STD GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1961-1965)
CB-663VXX	STD GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)	CB-701P	STD,10,20 MinMol: 800, 605 Diesel, 800 Diesel	CB-743HDX	STD GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1961-1965)
CB-666P	STD,10,20 Onan: 50	CB-703P	STD,10,20,30,40 Oliver: 265, 283, 302, 265 Diesel, 283 Diesel, 302 Diesel, 310 Diesel; Wauk: 265, 283, 302, 310, 320, 265 Diesel, 283 Diesel, 302 Diesel, 310 Diesel	CB-743HXDK	STD GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1965-1970)
CB-667AL	STD,10,20,30 DodTrk: 354 Diesel(1966-1970); MasFer: 212 Diesel, 236 Diesel, 248 Diesel, 354 Diesel; MinMol: 354 Diesel; Oliver: 354 Diesel; Perk: 236, 212 Diesel, 236 Diesel, 248 Diesel, 354 Diesel, 372 Diesel; WhiFarm: 354 Diesel	CB-704P	STD,10,20,30 Alc: 339; Coshtt: 198; Herc: 130, 149, 169, 173, 198, 226, 260, 298, 339, 130 Diesel, 149 Diesel, 169 Diesel, 173 Diesel, 198 Diesel, 226 Diesel, 260 Diesel, 298 Diesel, 339 Diesel; Oliver: 198; PalMar: 339	CB-743HXX	STD GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1965-1970)
CB-668P	STD,10,20,30,40,C60 Ford: 223(1961-1961); FordInd: 223(1961-64), 262(1961-1964); FordTrk: 223(1961-1964), 262(1961-62)	CB-722AL	STD,.25mm Ren: 956(1963-66), 1108(1964-69), 1289(1969-1972)	CB-743HXN	STD GMC: 348(1958-61), 366(1966-98), 396(1965-70), 402(1970-72), 409(1961-1965), 427(1966-98), 454(1970-00), 502(1970-72)
CB-669P	STD,10,2,20,30 Deere: 201, 227, 301, 341, 362, 254 Diesel, 270 Diesel, 381 Diesel, 404 Diesel, 466 Diesel	CB-723P	STD,10,20,30,40 Ford: 159(1972-73), 171(1974-1979), 244(1905-05), 1498(1963-66), 1699(1963-67), 2551(1970-76), 2900(1988-90); FordTrk: 171(1983-86), 177(1986-92), 244(1990-2000); MazTrk: 4016(1991-2002); Saab: 1498(1967-1970)	CB-743HXND	STD GMC: 348(1958-61), 366(1966-98), 396(1965-1970), 402(1970-72), 409(1961-65), 427(1966-98), 454(1970-00), 502(1970-72)
CB-673B	STD,10,20,30 Bendix: 13, 17, 20	CB-727P	STD Tri: 1147(1961-67), 1296(1967-1969)	CB-743HXNDK	STD GMC: 348(1958-61), 366(1966-98), 396(1965-70), 402(1970-1972), 409(1961-65), 427(1966-98), 454(1970-00), 502(1970-72)
CB-674P	STD,10,20,30 DetD: 318 Diesel, 424 Diesel; MilStd: 318 Diesel	CB-734P	STD,10 ChryMar: 109, 122; Vol: 109(1961-1968), 121(1969-72), 182(1969-72); VolPen: 121(1969-1972)	CB-743HXNK	STD GMC: 348(1958-61), 366(1966-98), 396(1965-70), 402(1970-72), 409(1961-1965), 427(1966-98), 454(1970-00), 502(1970-72)
CB-675H	STD,10 IntTrac: 466 Diesel	CB-741AL	STD,1,10,11,19,20,21,9 Peug: 2112 Diesel(1974-76), 2304 Diesel(1977-1980)	CB-743P	STD,1,10,2,20,30,40,50 ChrisCft: 454; FlagMar: 427, 454; GMC: 348(1958-61), 396(1965-68), 402(1970-72), 409(1961-61), 427(1966-69), 454(1970-1976); GMC Trk.: 348(1958-65), 366(1966-98), 396(1966-69), 402(1970-72), 409(1962-65), 427(1968-90), 454(1970-1995), 496(1901-05); GMCMar: 427(1990-95)
CB-675HK	STD IntTrac: 466 Diesel	CB-743H	STD,1,10,11,19,20,21,9 GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1961-1965)	CB-743V	STD,1,10,20 GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1966-1998)
CB-675P	STD,10,20,30,40 IntInd: 312 Diesel, 360 Diesel, 361 Diesel, 407 Diesel, 414 Diesel, 466 Diesel; IntTrac: 407, 312 Diesel, 360 Diesel, 361 Diesel, 407 Diesel, 414 Diesel, 436 Diesel, 466 Diesel; NavInt: 466 Diesel(1975-1977)	CB-743HD	STD,1,10,11,9 GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1961-1965)	CB-743VND	STD,1,10,20 GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1961-1965)
CB-676P	STD,10,20,30 Ford: 289(1963-1964), 302(1969-71); FordTrk: 289(1965-1965)	CB-743HDK	STD,1,10 GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1965-1970)	CB-743VNDX	STD GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1961-1965)
CB-684P	STD,1,10,20,30,40 BarrMar: 403(1977-1979); Berk: 350(1968-1980); Checker: 350 Diesel(1980-1982); GMC: 260(1975-1975), 307(1980-87), 330(1964-67), 350(1968-73), 403(1977-78), 260 Diesel(1979-79), 350 Diesel(1978-85); GMC Trk.: 350 Diesel(1978-1978); HardMar: 350, 403; OldsMar: 350	CB-743HK	STD,1,10 GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1966-1998)	CB-743VX	STD GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1966-1998)
CB-685P	STD,10,20,30 IntInd: 429 Diesel, 573 Diesel; IntTrac: 429 Diesel, 573 Diesel, 798 Diesel; NavInt: 573 Diesel(1968-71), 798 Diesel(1975-1979)	CB-743HN	STD,1,10,11,19,20,21,30,9 GMC: 348(1958-61), 366(1966-98), 396(1965-70), 402(1970-72), 409(1961-1965), 427(1966-98), 454(1970-00), 502(1970-72)	CB-745H	STD,1,10,20,30 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)
CB-686P	STD,10,20,30 Case: 251, 284, 301, 377, 251 Diesel, 267 Diesel, 301 Diesel, 336 Diesel, 377 Diesel, 401 Diesel, 451 Diesel	CB-743HND	STD,1,10,11,9 GMC: 348(1958-61), 366(1966-98), 396(1965-70), 402(1970-72), 409(1961-1965), 427(1966-98), 454(1970-00), 502(1970-72)		
CB-694AL	STD,25,50 Cat: 893, 595 Diesel, 893 Diesel	CB-743HNDK	STD,1,10 GMC: 348(1958-61), 366(1966-98), 396(1965-70), 402(1970-72), 409(1961-1965), 427(1966-98), 454(1970-00), 502(1970-72)		



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Part No.	Undersizes	Part No.	Undersizes	Part No.	Undersizes
CB-745HD	STD,10 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)	CB-758HN	STD,1,10 GMC: 326(1963-67), 350(1968-77), 389(1959-66), 400(1967-79), 421(1963-66), 428(1967-69), 455(1970-1976)	CB-819P	STD,10,20,30 AMC: 390(1968-69), 401(1971-1975); GrayMar: 390(1968-1970); Jeep: 401(1974-1977); NavInt: 400(1973-1975)
CB-745HDK	STD,10 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)	CB-758HXXN	STD GMC: 326(1963-67), 350(1968-1977), 389(1959-66), 400(1967-79), 421(1963-66), 428(1967-69), 455(1970-76)	CB-823P	STD GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)
CB-745HK	STD,1,10 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)	CB-758P	STD,1,10,20,30,40 GMC: 195(1961-63), 287(1955-55), 303(1950-53), 317(1956-56), 324(1954-56), 326(1963-67), 347(1957-57), 350(1968-70), 370(1958-58), 389(1959-59), 400(1967-76), 421(1963-63), 428(1967-67), 455(1970-1976); GMC Trk.: 287(1955-55), 317(1956-56), 324(1955-1955), 336(1958-59), 347(195	CB-824P	STD,10 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)
CB-745HN	STD,1,10,20,30 GMC: 265(1955-57), 283(1957-1967), 302(1967-67), 327(1962-67)	CB-759AL	STD,10,20,30 Deere: 303, 329, 152 Diesel, 164 Diesel, 179 Diesel, 202 Diesel, 219 Diesel, 239 Diesel, 303 Diesel, 329 Diesel, 359 Diesel; FMC: 239 Diesel	CB-825P	STD GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)
CB-745HND	STD,10 GMC: 265(1955-57), 283(1957-1967), 302(1967-67), 327(1962-67)	CB-760P	STD,1,10,2,20,30,40 ChrisCft: 427; DearbMar: 390(1964-66), 427(1964-71); Ford: 332(1958-59), 352(1958-62), 361(1958-58), 390(1961-63), 410(1966-67), 427(1968-68), 428(1966-1968); FordInd: 330(1964-78), 360(1964-78), 361(1964-78), 390(1964-76), 391(1964-78), 428(1964-78); FordMar: 352(1958-60	CB-826P	STD,1,10 GMC: 262(1975-1976), 267(1979-1982), 294(1999-2004), 302(1968-1969), 305(1976-1998), 307(1968-1973), 325(1999-2004), 327(1968-1969), 346(1997-2004), 350(1967-1998), 365(1999-2004), 400(1970-1980)
CB-745HNDK	STD,10 GMC: 265(1955-57), 283(1957-1967), 302(1967-67), 327(1962-67)	CB-762P	STD,1,10,20,30,40 GMC: 364(1957-60), 400(1967-69), 401(1959-1963), 425(1963-64), 430(1967-69), 455(1970-76); GrayMar: 455(1970-1976)	CB-829M	STD,10 GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1966-1998)
CB-745HNK	STD,1,10 GMC: 265(1955-57), 283(1957-1967), 302(1967-67), 327(1962-67)	CB-778AL	STD,10,25,50 Cat: 1473, 1473 Diesel	CB-831HN	STD,1,10,11,9 Ford: 351(1977-1998)
CB-745HX	STD GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)	CB-780P	STD,25mm,50mm,75mm,1.00mm VW: 1192(1961-65), 1285(1966-66), 1493(1967-69), 1584(1966-1979); VWTrk: 1192(1954-60), 1493(1965-67), 1584(1968-1979)	CB-831HNK	STD,1,10 Ford: 351(1977-1998)
CB-745HXX	STD GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)	CB-781AL	STD,10,20,30 Aic: 138, 139, 149, 160	CB-831HXN	STD Ford: 351(1977-1998)
CB-745HXN	STD GMC: 265(1955-57), 283(1957-1967), 302(1967-67), 327(1962-67)	CB-792P	STD,10,20,30 Austin: 1798(1966-1978); MG: 1798(1965-1974)	CB-831HXNK	STD Ford: 351(1977-1998)
CB-745HXNK	STD GMC: 265(1955-57), 283(1957-1967), 302(1967-67), 327(1962-67)	CB-807P	STD,10,20,30,40 NavInt: 461 Diesel(1966-68), 549 Diesel(1966-1977)	CB-831P	STD,1,10,20,30,40 CommMar: 351; DearbMar: 351; Ford: 351(1969-1976); FordInd: 351(1969-1993); FordMar: 351; FordTrk: 351(1969-1998); GlasMar: 351; HolMdyMar: 351; IndMar: 351; MercMar: 351; OMC: 351; OskoMar: 351; PalMar: 351; PleasCft: 351; ThermElec: 351; VolPen
CB-745P	STD,1,10,2,20,30,40 Avanti: 327(1965-1967); Checker: 230(1964-68), 250(1969-79), 283(1965-67), 327(1965-1967); ChrisCft: 283, 302; FlagMar: 283, 327; GMC: 112(1982-82), 121(1983-87), 122(1975-76), 134(1990-96), 140(1971-77), 153(1962-70), 194(1962-65), 215(1964-65), 230(1964-70), 250(196	CB-809P	STD,25mm,50mm BMW: 1573(1964-71), 1766(1980-84), 1773(1963-67), 1990(1966-76), 2494(1969-71), 2788(1969-1971), 2985(1975-77), 3210(1978-84), 3430(1985-87)	CB-927H	STD,10 Ford: 351(1970-1982), 400(1971-1982)
CB-745VN	STD,1 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)	CB-811G	STD,25mm,50mm,75mm,1.00mm NisTrk: 3956(1960-1980)	CB-927HN	STD,10 Ford: 351(1971-82), 400(1971-1982)
CB-745VXXN	STD GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)	CB-817AL	STD,10,25,50,75 Cat: 1246, 831 Diesel, 1246 Diesel	CB-927HNK	STD,10 Ford: 351(1971-1982), 400(1971-82)
CB-751P	STD,10 MasFer: 301 Diesel, 318 Diesel; Perk: 270 Diesel, 301 Diesel, 318 Diesel	CB-818H	STD,10 Ford: 370(1979-1991), 429(1968-1998), 460(1968-1998)	CB-927P	STD,1,10,20,30,40 Ford: 351(1970-76), 400(1971-1976); FordMar: 351(1970-1972); FordTrk: 351(1970-79), 400(1972-1982)
CB-754P	STD Cum: 588 Diesel, 785 Diesel	CB-818HN	STD,10,11,9 Ford: 370(1979-91), 429(1968-98), 460(1968-1998)	CB-927V	STD,10 Ford: 351(1970-1982), 400(1971-1982)
CB-756P	STD,10,20 ChrisCft: 427; DearbMar: 390(1961-63), 427(1961-61); Ford: 390(1961-63), 406(1962-63), 427(1963-1967); FordMar: 427; ThermElec: 390(1961-1963)	CB-818P	STD,1,10,20,30,40 CommMar: 460; Ford: 429(1968-1973), 460(1968-76); FordInd: 370(1979-91), 429(1979-93), 460(1973-1993); FordMar: 429(1968-1968), 460(1968-78); FordTrk: 370(1979-83), 429(1970-73), 460(1973-1976); HardMar: 460; HolMdyMar: 460(1968-1978); JacMar: 460(1968-1978); PanJ	CB-931AL	STD Austin: 1275(1967-1970); MG: 1275(1967-1974)
CB-757AL	STD,10,20,30,40 FordInd: 401 Diesel; FordTrac: 158(1965-68), 175(1965-68), 192(1965-69), 201(1975-80), 233(1965-68), 256(1965-68), 158 Diesel(1965-68), 175 Diesel(1965-68), 183 Diesel(1975-80), 192 Diesel(1965-68), 201 Diesel(1965-68), 233 Diesel(1965-68), 256 Diesel(1965-68), 401			CB-943P	STD,25mm,50mm,75mm Ford: 122(1971-1974), 1593(1970-82), 1993(1970-76)
CB-758H	STD,10 GMC: 326(1963-1967), 350(1968-1977), 389(1959-1966), 400(1967-1979)			CB-948P	STD Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)



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Part No.	Undersizes	Part No.	Undersizes	Part No.	Undersizes
CB-949P	STD,10 Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001)	CB-979M	STD,10,20 Alc: 108; Case: 108; Cosht: 108; MasFer: 108; Oliver: 108; Wisc: 54, 108	CB-1069P(19U)	SupDie: 3575 Diesel, 4767 Diesel, 4948 Diesel, 6597 Diesel
CB-952P	STD,10,20 Ford: 330(1964-1978), 352(1964-1967), 359(1974-1975), 360(1968-1976), 361(1964-1978), 389(1975-1978), 390(1964-1976), 391(1964-1978), 410(1966-1967), 427(1968-1968), 428(1966-1978)	CB-980P	STD,.25mm,.50mm,.75mm Nis: 1171(1971-1973), 1237(1980-82), 1288(1973-74), 1397(1975-82), 1488(1979-82); NisInd: 988(1965-1971)	CB-1073P	STD,10,20 Cumm: 903 Diesel; FordTrac: 903 Diesel; MasFer: 903 Diesel
CB-954P	STD,10,20 Cont: 478, 427 Diesel, 465 Diesel, 478 Diesel; Herc: 478 Diesel; MilStd: 427 Diesel, 478 Diesel	CB-981P	STD,.25mm,.50mm,.75mm Nis: 1982(1968-1970); NisInd: 1982(1967-1992)	CB-1093P	STD,.25mm,.50mm GMC Trk.: 137 Diesel(1984-1985), 2238 Diesel(1981-82); IsuInd: 119 Diesel(1981-84), 144 Diesel(1969-85), 1991 Diesel(1969-85); IsuTrk: 2238 Diesel(1981-1987); ThermKing: 1991 Diesel(1969-79), 2207 Diesel(1969-79)
CB-955P	STD GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1970-2000)	CB-982P	STD,10,20,30 MG: 1493(1975-1980); Tri: 1296(1970-72), 1493(1973-76), 1998(1966-70), 2498(1968-1968)	CB-1095P	STD,.25mm,.50mm,.75mm GMC Trk.: 3856 Diesel(1987-1991); IsuTrk: 2775 Diesel(1973-90), 3268 Diesel(1979-84), 3595 Diesel(1973-90), 3856 Diesel(1985-99), 5393 Diesel(1972-1990), 5785 Diesel(1977-90), 6130 Diesel(1980-90)
CB-956P	STD,1,10 GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1970-1972)	CB-983M	STD,10 Case: 108; Cosht: 108; MasFer: 54, 108; Oliver: 108; Wisc: 46, 54, 92, 108	CB-1107G	STD Maz: 988(1967-83), 1169(1971-1972), 1272(1976-77); MazTrk: 1169(1968-74), 1272(1976-1977)
CB-960P	STD,1,10,2,20,30,40 AMC: 150(1983-86), 199(1965-67), 232(1964-74), 258(1971-71), 290(1966-1969), 304(1970-70), 343(1967-69), 360(1970-71); DodTrk: 150(1996-1996); Eagle: 150(1988-1988); GrayMar: 258(1971-1980), 304(1970-79), 360(1970-78); Jeep: 150(1983-95), 232(1965-73), 242(1987-1998), 258	CB-984P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm Ford: 140(1974-1983); FordInd: 140(1977-1993); FordTrk: 121(1983-88), 140(1977-1982), 153(1998-01); MazTrk: 140(1994-96), 153(1998-1999)	CB-1110P	STD,.25mm,.50mm,.75mm,1.00mm FordTrk: 110(1972-78), 122(1979-1982); Maz: 1796(1972-73), 1970(1979-1982); MazTrk: 1796(1977-78), 1970(1979-1979)
CB-961P	STD Ford: 351(1970-1982), 400(1971-1982)	CB-985P	STD,10,20,30 MilStd: 142	CB-1120AL	STD,.25mm,.50mm,.75mm,1.00mm Chry: 98(1971-1980), 107(1989-92), 122(1984-91), 144(1992-92); DodTrk: 122(1984-1985), 144(1990-92); Eagle: 98(1989-90), 122(1989-1991), 144(1992-92); Hyun: 1439(1984-1987), 1595(1992-95), 1597(1985-88), 1997(1985-89), 2351(1989-91); HyunTrk: 1439(1984-1987), 1597(1985-90)
CB-962P	STD,10,20 Ford: 351(1970-1982), 400(1971-1982)	CB-987P	STD,10 Mack: 866 Diesel	CB-1120P	Chry: 98(1971-80), 107(1989-92), 122(1984-1991), 144(1992-92); DodTrk: 122(1983-1985), 144(1990-91); Eagle: 98(1989-90), 122(1989-1991), 144(1992-92); Hyun: 1439(1984-87), 1595(1992-1995), 1597(1985-88), 1997(1985-89), 2351(1989-91); HyunTrk: 1439(1984-87), 1597(1985-1990)
CB-964AL	STD,10,25,50 Cat: 1246, 831 Diesel, 1246 Diesel	CB-988P	STD,.25mm,.50mm,.75mm NavInt: 198 Diesel(1976-1979); NisInd: 2164 Diesel(1963-1982), 3246 Diesel(1966-90); NisMar: 3246 Diesel; NisTrk: 2164 Diesel(1981-1982), 2488 Diesel(1983-83)	CB-1122P	STD,.25mm,.50mm NisInd: 1138(1966-1978)
CB-965P	STD,10,20 Cumm: 1710 Diesel	CB-992P	STD,.25mm,.50mm,.75mm,1.00mm ToyInd: 1994(1967-1986); ToyTrk: 1994(1967-1982)	CB-1137P	STD,10,20,30 ChryMar: 122; Vol: 121(1973-75), 130(1976-1982), 141(1983-83), 182(1973-75); VolPen: 121(1973-1975)
CB-966P	STD,.25mm,.50mm,.75mm,1.00mm Nis: 1595(1968-73), 1770(1973-74), 1952(1974-77), 2187(1982-83), 2393(1970-73), 2565(1974-1974), 2753(1975-81), 2793 Diesel(1981-81); NisTrk: 1595(1972-73), 1770(1974-74), 1952(1975-80), 2187(1981-82), 2389(1983-1989)	CB-994P	STD,10,20,30 Alc: 555 Diesel; Cumm: 555 Diesel; FordTrac: 555 Diesel	CB-1138AL	STD Fiat: 1756(1975-78), 1995(1979-1980); Pininfarina: 1995(1983-1987)
CB-967P	STD,.25mm,.50mm,.75mm,1.00mm Nis: 1189(1961-66), 1299(1965-1969); NisTrk: 1299(1968-1969)	CB-995M	STD,10,20 Wisc: 157	CB-1168AL	STD,30mm Peug: 2304 Diesel(1981-1983), 2498 Diesel(1985-87)
CB-969G	STD,.25mm Toy: 1077(1968-69), 1166(1969-69), 1290(1981-1983)	CB-998P	STD,10,20,30 IntInd: 60; IntTrac: 60; PalMar: 60	CB-1173AL	STD,.25mm,.50mm Opel: 1698(1965-72), 1897(1965-74), 2490(1972-77), 2784(1972-1981)
CB-970AL	STD,10,25,50 Cat: 1964, 2946, 3928, 1964 Diesel, 2946 Diesel, 3928 Diesel	CB-1005AL	STD Ren: 1289(1976-79), 1397(1980-1986)	CB-1175AL	STD,.25mm,.50mm,.75mm GMC: 110(1982-1986)
CB-972P	STD,10,20,30,40 Cat: 522 Diesel, 573 Diesel, 636 Diesel; FordTrk: 522 Diesel(1968-1969), 573 Diesel(1968-75), 636 Diesel(1970-76); MasFer: 573 Diesel, 636 Diesel	CB-1009AL	STD Fiat: 1592(1973-74), 1756(1974-1974)	CB-1180P	STD,10 DetD: 1788 Diesel, 2384 Diesel
CB-973P(19L)	Wauk: 2894, 3520, 7042, 9388, 2894 Diesel, 5788 Diesel	CB-1017P	STD,.25mm,.50mm,.75mm Audi: 1471(1973-74), 1588(1975-1980), 1715(1981-84), 2144(1978-83); Chry: 105(1978-1980); DodTrk: 105(1982-1983); VW: 1457(1978-80), 1471(1974-75), 1588(1976-1980), 1715(1981-84), 2144(1983-83), 1471 Diesel(1977-80); VWTrk: 1588(1980-1980), 1715(1982-82), 1471 Diesel(19)	CB-1190P	STD,10 Alfa: 1570(1972-76), 1779(1969-71), 1962(1972-1974)
CB-973P(19U)	Wauk: 2894, 3520, 7042, 9388, 2894 Diesel, 5788 Diesel	CB-1044P	STD,.25mm,.50mm,.75mm IntTrac: 206, 155 Diesel, 179 Diesel, 239 Diesel, 310 Diesel, 358 Diesel	CB-1191P	STD,.25mm Saab: 1985(1972-1980)
		CB-1053P	STD,.25mm Deutz: 1884 Diesel, 2826 Diesel, 3768 Diesel, 4710 Diesel, 5652 Diesel	CB-1193P	STD,.25mm,.50mm IntTrac: 206, 155 Diesel, 179 Diesel, 239 Diesel, 310 Diesel, 358 Diesel
		CB-1069P(19L)	SupDie: 3575 Diesel, 4767 Diesel, 4948 Diesel, 6597 Diesel		



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Part No.	Undersizes	Part No.	Undersizes	Part No.	Undersizes
CB-1200AL	STD,10,20,30 FordTrac: 242 Diesel(1965-69), 254 Diesel(1969-90), 363 Diesel(1965-90), 380 Diesel(1969-1990), 3759 Diesel(1965-69), 5638 Diesel(1965-90), 5974 Diesel(1965-90)	CB-1228P	STD,1,10,20,30,40 GMC: 181(1982-88), 196(1978-79), 204(1989-1989), 231(1977-87), 252(1980-84); GMC Trk.: 231(1978-1984)	CB-1270P	STD,.25mm,.50mm,.75mm,1.00mm Toy: 1588(1971-1974), 1770(1980-82)
CB-1201AL	STD,10 Alfa: 2492(1981-86), 2959(1988-1995)	CB-1230P	STD,10,20,30,40 NavInt: 404(1975-81), 446(1975-1981); PalMar: 404(1975-1982)	CB-1271P	STD GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)
CB-1209AL	STD,10,20,30 MasFer: 354 Diesel; Perk: 354 Diesel; StksMar: 354 Diesel; WhiFarm: 354 Diesel	CB-1231AL	STD,10,20,30 Deere: 276 Diesel, 414 Diesel	CB-1272P	STD,10 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967)
CB-1210P	STD,10,20,30 FordInd: 401 Diesel; FordTrac: 256 Diesel, 401 Diesel; New Holland Ford: 256 Diesel	CB-1232AL	STD,25,50 Cat: 1191 Diesel, 1786 Diesel, 2382 Diesel	CB-1274P	STD GMC: 262(1975-76), 267(1979-82), 294(1999-07), 302(1968-69), 305(1976-98), 307(1968-73), 325(1999-07), 327(1968-69), 346(1997-04), 350(1967-98), 365(1999-2007), 400(1970-80)
CB-1211AL	STD,10,20 Bendix: 33	CB-1236P	STD SupDie: 3575 Diesel, 4767 Diesel, 4948 Diesel, 6597 Diesel	CB-1275P	STD,1,10 GMC: 262(1975-76), 267(1979-82), 294(1999-07), 302(1968-69), 305(1976-98), 307(1968-73), 325(1999-07), 327(1968-69), 346(1997-04), 350(1967-98), 365(1999-2007), 400(1970-80)
CB-1213M	STD,10 Chry: 392(1957-1958)	CB-1237P	STD,10,20,30 Case: 336 Diesel, 504 Diesel	CB-1276P	STD,.25mm,.50mm,.75mm Ford: 98(1981-1984), 116(1985-86)
CB-1214AL	STD,10,2,20,30,40 Chry: 225(1976-1982); ChryInd: 225(1976-1987); ChryMar: 170, 198, 225; DodTrk: 225(1976-1980)	CB-1238P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm GMC: 173(1980-1980), 189(1988-96), 207(1991-96); GMC Trk.: 173(1982-1993), 189(1990-94), 207(1996-97); IsuTrk: 2827(1989-1991), 3137(1991-92); Jeep: 173(1984-1987)	CB-1278AL	STD,.25mm,.50mm,.75mm Chry: 86(1979-1981), 92(1985-88); Hyun: 1468(1986-1989); Mits: 1468(1985-1987)
CB-1215P	STD,10,20,30,40 Cat: 636 Diesel; MasFer: 636 Diesel	CB-1239P	STD,10,20,30,40 Oliver: 155; Wauk: 155, 155 Diesel	CB-1279AL	STD,.25mm,.50mm,.75mm,1.00mm Ford: 81(1988-1997); Maz: 1272(1978-78), 1415(1979-80), 1489(1995-98), 1490(1981-1985); MazTrk: 1272(1978-1978)
CB-1216AL	STD,.25mm,.50mm,.75mm GMC: 85(1976-1977), 98(1976-81)	CB-1240P	STD,.25mm ToyTrk: 2977 Diesel(1972-1987), 3168 Diesel(1977-82)	CB-1280P	STD,.25mm,.50mm,.75mm Toy: 2253(1968-71), 2563(1971-1972), 2759(1981-84)
CB-1217P	STD,.25mm,.75mm Sub: 1267(1972-72), 1361(1973-76), 1595(1976-79), 1781(1980-1989); SubTrk: 1595(1976-80), 1781(1981-1984)	CB-1242P	STD,10 NavInt: 537(1978-1979)	CB-1281P	STD GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1970-2000)
CB-1218P	STD,.25mm,.50mm,.75mm,1.00mm Toy: 1858(1969-71), 1968(1972-1972), 2189(1975-80), 2366(1981-82); ToyTrk: 1858(1969-71), 1968(1972-74), 2189(1975-80), 2366(1981-1988)	CB-1250AL	STD,.25mm,.50mm,.75mm Maz: 1586(1970-1977); MazInd: 1985(1971-1979); MazTrk: 1586(1972-1976)	CB-1282P	STD,1,10 GMC: 348(1958-1961), 366(1966-1998), 396(1965-1970), 402(1970-1972), 409(1961-1965), 427(1966-1998), 454(1970-2000), 502(1966-1998)
CB-1219G	STD,.25mm,.50mm,.75mm,1.00mm ToyTrk: 3878(1969-75), 4230(1975-1987)	CB-1261P	STD,.25mm DodTrk: 243 Diesel(1978-1978); MitsInd: 2659 Diesel(1971-91), 3988 Diesel(1970-1991)	CB-1283P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm Ford: 232(1982-1983); FordTrk: 232(1982-1983)
CB-1220P	STD,.25mm,.50mm,.75mm,1.00mm Chry: 122(1974-1977), 156(1978-85); DodTrk: 122(1979-80), 156(1979-1980), 143 Diesel(1983-85); FordTrk: 140 Diesel(1985-1987); MazTrk: 2555(1987-1988); Mits: 2555(1983-1989); MitsTrk: 2555(1983-1984), 2346 Diesel(1983-85)	CB-1262AL	STD,10,25,50 Cat: 893 Diesel, 1099 Diesel, 1649 Diesel	CB-1285P	STD GMC: 2.0L, 2.5L, 2.7L, 3.0L, 3.3L
CB-1221M	STD,10,20,30 Bendix: 16	CB-1263P	STD GMC: 262(1975-76), 267(1979-82), 294(1999-07), 302(1968-69), 305(1976-98), 307(1968-73), 325(1999-07), 327(1968-69), 346(1997-04), 350(1967-98), 365(1999-2007), 400(1970-80)	CB-1286P	STD,.026mm,.25mm,.50mm,.75mm GMC Trk.: 379 Diesel(1982-93), 395 Diesel(1992-1998); Hummer: 379 Diesel(1992-93), 395 Diesel(1994-2001); Workhorse: 395 Diesel(1900-2002)
CB-1222P	STD,.25mm,.75mm Hon: 1169(1973-73), 1237(1974-79), 1335(1980-1983)	CB-1264P	STD,1,10 GMC: 262(1975-76), 267(1979-82), 294(1999-07), 302(1968-69), 305(1976-98), 307(1968-73), 325(1999-07), 327(1968-69), 346(1997-04), 350(1967-98), 365(1999-2007), 400(1970-80)	CB-1287P	STD,.25mm,.75mm Nis: 1597(1987-87), 1809(1984-1989), 1974(1982-88), 2393(1982-84), 1680 Diesel(1983-86)
CB-1223P	STD,.25mm,.50mm,.75mm Hon: 1488(1975-1982), 1599(1976-78), 1602(1982-83), 1751(1979-83)	CB-1265P	STD,10,20,30,40 Clark: 159 Diesel, 212 Diesel; Cosht: 212 Diesel; DetD: 106 Diesel, 159 Diesel, 212 Diesel; FordTrk: 159 Diesel(1973-1973); GMC Trk.: 159 Diesel(1967-1968); MilStd: 159 Diesel; Oliver: 212 Diesel	CB-1288P	STD,10,20,30,40 DetD: 500 Diesel
CB-1225AL	STD,10,20,30 Deere: 531 Diesel	CB-1266P	STD,10,20,30,40 NavInt: 551 Diesel(1980-1987)	CB-1302P	STD,.25mm Vol: 141(1985-1985)
CB-1226P	STD,10,20,30,40 Cum: 855, 743 Diesel, 855 Diesel	CB-1267H	STD,10 Deere: 466 Diesel	CB-1310AL	STD AMC: 1965(1987-1987); Ren: 105(1985-1986), 1965(1987-87)
CB-1227H	STD,1 GMC: 200(1978-1979), 229(1980-1984)	CB-1267HK	STD Deere: 466 Diesel	CB-1311AL	STD,.25mm Eagle: 132(1988-1989); Jeep: 126 Diesel(1985-1987); Peugeot: 2165(1985-1991); Ren: 2165(1984-1985)
CB-1227HX	STD GMC: 200(1978-1979), 229(1980-1984)	CB-1267P	STD,10,20,30 Deere: 466 Diesel; FMC: 466 Diesel; Komler: 466 Diesel; RosBrwn: 466 Diesel; SullCorp: 466 Diesel		
CB-1227P	STD,1,10,20,30,40 Checker: 229(1980-1982); GMC: 200(1978-79), 229(1980-1981); GMC Trk.: 200(1978-79), 229(1980-1984); MercMar: 229; OMC: 229	CB-1269P	STD,.026mm,.25mm,.50mm,.75mm,1.00mm Chry: 135(1981-90), 153(1986-1992); DodTrk: 135(1982-88), 153(1987-1990)		



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Part No.	Undersizes	Part No.	Undersizes	Part No.	Undersizes
CB-1325AL	STD,.25mm,.50mm ToyTrk: 2188 Diesel(1981-1983), 2446 Diesel(1984-85)	CB-1369P	STD,10 Alc: 344 Diesel, 516 Diesel; Buda: 344 Diesel, 516 Diesel	CB-1408P	STD,.25mm,.50mm,.75mm GMC: 122(1987-1987); Passpt: 122(1989-1990)
CB-1327P	STD,10,20,30,40 FordTrk: 420 Diesel(1983-84), 444 Diesel(1988-1994); NavInt: 420 Diesel(1980-81), 444 Diesel(1988-1995)	CB-1372P	STD Cat: 893 Diesel	CB-1409P	STD,.25mm,.50mm,.75mm, 1.00mm Case: 505 Diesel; Cummm: 505 Diesel
CB-1328P	STD,10,20,30 Case: 207 Diesel	CB-1378P	STD,.25mm Cont: 123, 164, 1342, 4019, 123 Diesel, 164 Diesel, 1342 Diesel, 4019 Diesel	CB-1410P	STD,.25mm,.50mm,.75mm Chry: 201(1990-1997), 215(1993-97), 230(1991-93); DodTrk: 201(1990-95), 215(1905-06), 230(1994-2005); Eagle: 201(1993-97), 215(1993-1997)
CB-1332AL	STD,10 Bertone: 1498(1984-1989); Fiat: 1116(1971-73), 1197(1966-69), 1290(1972-1979), 1297(1975-76), 1438(1968-71), 1498(1979-82); Yugo: 1116(1986-1989), 1301(1988-92)	CB-1379P	STD,10,20,30 Mack: 672 Diesel	CB-1411P	STD,.25mm,.50mm,.75mm Chry: 181(1988-1994), 2497(1995-00); DodTrk: 181(1987-2000); Hyun: 2972(1989-1998); Mits: 2497(1995-1995), 2972(1988-99); MitsTrk: 2972(1989-1994)
CB-1351P	STD,.026mm,.25mm,.50mm,.75mm GMC: 249(1982-1986), 252(1982-88), 273(1988-92), 300(1991-92)	CB-1380P	STD,.052mm,.25mm,.50mm,.75mm Ford: 116(1987-1990), 122(1997-02)	CB-1413P	STD,.25mm,.50mm,.75mm Case: 180 Diesel, 239 Diesel, 359 Diesel; Cummm: 180 Diesel, 239 Diesel, 359 Diesel; DodTrk: 359 Diesel(1989-1993)
CB-1352P	STD,.25mm,.50mm,.75mm Toy: 1452(1980-1983), 1587(1983-83)	CB-1381P	STD,10,20,30 Wauk: 3560 Diesel, 5340 Diesel	CB-1426P	STD,.25mm,.50mm Audi: 1780(1984-84), 1984(1988-89), 2144(1984-84), 2226(1984-88), 2309(1988-1992), 1588 Diesel(1982-83), 1986 Diesel(1979-82); VW: 1780(1983-1992), 1984(1990-92), 2144(1984-84), 2226(1985-88), 1588 Diesel(1981-85); VWTrk: 1588 Diesel(1982-1982); Vol: 145 Diesel(1981-1)
CB-1353H	STD,.026mm,.25mm Hon: 1834(1990-2001)	CB-1382P	STD,.25mm,.50mm,.75mm Cummm: 611 Diesel, 661 Diesel	CB-1434P	STD,10,20,30 MercMar: 224
CB-1353HX	STD Hon: 1834(1990-2001)	CB-1383P	STD,10,20,30 Ford: 140(1986-1987), 153(1986-86)	CB-1435P	STD,.25mm,.50mm,.75mm Ford: 183(1989-1995), 195(1993-95)
CB-1353P	STD,.25mm,.50mm Acura: 1678(1992-93), 1834(1990-1991); Hon: 1829(1983-87), 1955(1985-1986), 1958(1988-90)	CB-1385P	STD,.25mm,.50mm,.75mm Ford: 183(1986-2003); FordTrk: 183(1986-1997); MazTrk: 183(1994-2000)	CB-1437P	STD,.25mm,.50mm,.75mm, 1.00mm Toy: 2759(1984-84), 2954(1987-1992)
CB-1354P	STD,10,20,30,40 Alc: 426 Diesel	CB-1387P	STD,10,20,30 DodTrk: 239(1987-1991)	CB-1438AL	STD Toy: 1839 Diesel(1985-85), 1974 Diesel(1985-1985)
CB-1355P	STD,10,20,30,40 Alc: 200, 265, 301, 200 Diesel, 301 Diesel	CB-1388P	STD,.25mm,.50mm,.75mm GMC: 138(1987-1989); GMC Trk.: 138(1993-1996)	CB-1439P	STD,.25mm,.50mm Toy: 1998(1988-1995)
CB-1356P	STD,.25mm,.50mm Deere: 619 Diesel	CB-1394P	STD,10,20,30 IntInd: 360 Diesel; NavInt: 360 Diesel(1993-1992)	CB-1440P	STD,.25mm,.50mm,.75mm ToyTrk: 3956(1988-1992)
CB-1357P	STD,10,20,30,40 Cummm: 1150 Diesel	CB-1395P(19L)	SupDie: 9896 Diesel, 13195 Diesel	CB-1441P	STD,.25mm,.50mm FordTrk: 134 Diesel(1983-1984); MazTrk: 2209 Diesel(1982-1984)
CB-1358A	STD,10,20,30 GMC Trk.: 262(1906-2006)	CB-1395P(19U)	SupDie: 9896 Diesel, 13195 Diesel	CB-1442H	STD,.026mm,.23mm,.25mm,.28mm Ford: 281(1991-2006), 330(1997-03), 415(1997-04)
CB-1358P	STD,1,10,20,30,40 ChrisCft: 262; GMC: 262(1985-1986); GMC Trk.: 262(1985-1986); HardMar: 262; IsuTrk: 262(1997-1997); MercMar: 262; OMC: 262; ThermElec: 262; Workhorse: 262(1900-2003); Yam: 262	CB-1396P(19U)	Wauk: 2894, 3520, 7042, 9388, 2894 Diesel, 5788 Diesel	CB-1442HK	STD Ford: 281(1993-1992), 330(1997-03), 415(1997-04)
CB-1359P	STD,.25mm,.75mm ToyTrk: 2188 Diesel(1982-83), 2446 Diesel(1984-1985)	CB-1397P(19L)	Wauk: 2894, 3520, 7042, 9388, 2894 Diesel, 5788 Diesel	CB-1442HX	STD Ford: 281(1991-2006), 330(1997-03), 415(1997-04)
CB-1361P	STD,.25mm,.50mm,.75mm GMC: 98(1985-1988); Toy: 1452(1983-1986), 1587(1983-87)	CB-1398H	STD,1,10 GMC: 181(1982-1988), 196(1978-1979), 231(1978-1989), 252(1980-1984)	CB-1442HXK	STD Ford: 281(1993-1992), 330(1997-03), 415(1997-04)
CB-1362AL	STD,.25mm,.50mm,.75mm Ford: 134(1989-92), 122 Diesel(1984-1987); KiaTrk: 1998(1995-1995); Maz: 1998(1983-87), 2184(1988-1990), 1998 Diesel(1984-85); MazTrk: 1998(1986-87), 2184(1987-1993)	CB-1398HX	STD GMC: 181(1982-1988), 196(1978-1979), 231(1978-1989), 252(1980-1984)	CB-1442P	STD,.25mm,.50mm,.75mm Ford: 281(1991-2006); FordTrk: 281(1997-1999), 330(1997-03), 415(1997-03); GMC: 231(192004-2004)
CB-1364P	STD,.25mm MazTrk: 2977 Diesel(1977-90), 3455 Diesel(1984-1990)	CB-1398V	STD,1,10 GMC: 181(1982-1988), 196(1978-1979), 231(1978-1989), 252(1980-1984)	CB-1443P	STD,10,20,30 GMC: 204(1991-1993), 231(1990-95); GMC Trk.: 231(1992-1995)
CB-1365H	STD,10 IntTrac: 466 Diesel	CB-1401AL	STD,.25mm,.50mm,.75mm GMC: 61(1985-1985), 79(1992-99); Suz: 993(1985-1993), 1298(1989-92); SuzTrk: 993(1985-1985), 1298(1989-89), 1324(1986-89)	CB-1447P	STD,10,20,40 Listr: 39 Diesel, 77 Diesel, 116 Diesel
CB-1365HK	STD IntTrac: 466 Diesel	CB-1403AL	STD Toy: 1839 Diesel(1984-1985), 1974 Diesel(1986-86)	CB-1448P	STD,10 Listr: 128 Diesel, 192 Diesel, 255 Diesel, 383 Diesel
CB-1365P	STD,10,20,30 IntTrac: 466 Diesel; NavInt: 466 Diesel(1984-1993)	CB-1405AL	STD,.25mm,.75mm Daih: 547(1976-86), 617(1982-85), 843(1982-90), 993(1977-1990)		
CB-1366P	STD,10 GMC: 260 Diesel(1982-1985); GMC Trk.: 260 Diesel(1982-1983)	CB-1406AL	STD,.25mm,.50mm Toy: 1995(1983-86), 1998(1986-1989); ToyTrk: 1998(1996-1998)		
		CB-1407AL	STD,.25mm,.50mm,.75mm ToyTrk: 1998(1984-85), 2237(1986-1990)		



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Part No.	Undersizes	Part No.	Undersizes	Part No.	Undersizes
CB-1449P	STD,.50mm GMC: 111 Diesel(1981-1986); Isu: 1817 Diesel(1981-1984)	CB-1512CV(19U)	Chry: 426(1964-1965)	CB-1623P	STD,.25mm,.50mm Sat: 116(1991-2000)
CB-1450P	STD,.25mm,.50mm,.75mm IsuTrk: 2499 Diesel(1985-90), 2771 Diesel(1985-1990)	CB-1512M	STD Chry: 426(1963-1971)	CB-1625P	STD,.25mm,.50mm ToyTrk: 2958(1988-1994)
CB-1451AL	STD,.25mm,.50mm GMC: 98(1988-1988)	CB-1512ML(1930)	Chry: 426(1963-1971)	CB-1627P	STD,.25mm Lex: 3969(1990-1998)
CB-1452AL	STD,.25mm,.50mm,.75mm Suz: 797(1977-1990), 970(1982-90); SuzTrk: 970(1982-1985)	CB-1512M(19U)	Chry: 426(1963-1971)	CB-1628H	STD,.25mm Toy: 2997(1993-1998)
CB-1453AL	STD,.25mm,.50mm,.75mm Ford: 98(1987-1994), 112(1991-96); Kia: 1597(1994-95), 1794(1998-2003), 1839(1995-97); Maz: 1597(1986-1993), 1839(1990-91)	CB-1512MU(1930)	Chry: 426(1963-1971)	CB-1628HX	STD Toy: 2997(1993-1998)
CB-1455AL	STD,.25mm,.50mm,.75mm KiaTrk: 1998(1995-2002); MazTrk: 2606(1989-1993)	CB-1512V	STD,10 Chry: 426(1963-1971)	CB-1628P	STD,.25mm Lex: 2997(1992-1998); Toy: 2997(1993-1998)
CB-1456P	STD,.25mm,.50mm Acura: 2156(1997-1997); Hon: 1958(1988-89), 2056(1990-91), 2156(1990-1991), 2259(1992-96); HonTrk: 2156(1995-1997)	CB-1512VL(1930)	Chry: 426(1963-1971)	CB-1629P	STD,.25mm Inf: 1998(1991-1996); Nis: 1998(1991-1993)
CB-1457P	STD,.25mm Acura: 2494(1986-87), 2675(1987-1988); Hon: 2675(1995-1997); Sterl: 2494(1987-88), 2675(1988-1990)	CB-1512V(19U)	Chry: 426(1963-1971)	CB-1630P	STD,.25mm UD Truck: 6925 Diesel(1980-1994)
CB-1458P	STD Hon: 1342(1987-1987)	CB-1512VU(1930)	Chry: 426(1963-1971)	CB-1631P	STD,10,20,30 Cumm: 352 Diesel, 378 Diesel, 470 Diesel, 504 Diesel
CB-1459P	STD,.25mm,.50mm Hon: 1488(1984-87), 1493(1988-1991)	CB-1588AL	STD,.25mm,.50mm Chry: 92(1988-1991); Eagle: 92(1989-1992); Hyun: 1468(1990-1990); Mits: 1468(1988-1990)	CB-1632P	STD,10,20,30 Alc: 779, 844 Diesel
CB-1460P	STD Hon: 1598(1983-1990)	CB-1589P	STD,.25mm,.50mm Nis: 2389(1989-1998); NisTrk: 2389(1989-1999)	CB-1633P	STD,10,20,30,40 FordTrk: 444 Diesel(1994-1998); MercMar: 444 Diesel; NavInt: 444 Diesel(1994-1997)
CB-1461P	STD,.25mm,.50mm Acura: 1590(1986-2000); Hon: 1590(1988-1995); HonTrk: 1972(1997-1998)	CB-1590P	STD,.25mm,.50mm Nis: 1488(1982-83), 1597(1983-1995)	CB-1634P-.25mm .25mm,.50mm	Ford: 281(1991-2004); FordTrk: 281(1997-03), 330(1997-03), 415(1997-2003); Panoz: 281(192003-2004)
CB-1463P	STD NisInd: 2663 Diesel(1986-1990)	CB-1591P	STD,.25mm,.50mm FordTrk: 2960(1993-98), 3275(1999-2002); Inf: 2960(1990-1992); InfTrk: 3275(1997-1998); Nis: 2960(1984-1996); NisTrk: 2960(1986-95), 3275(1996-2000)	CB-1635H	STD,.026mm,.25mm Chry: 2.0L(1995-2004)
CB-1465P	STD,10,20 Jag: 2483(1955-67), 3442(1948-61), 3781(1958-64), 4235(1964-1967)	CB-1592AL	STD,.25mm,.50mm Maz: 2954(1988-1989); MazTrk: 2954(1989-1997)	CB-1635HX	STD Chry: 2.0L(1995-2004)
CB-1466P	STD Jag: 5343(1971-1979)	CB-1593AL	STD,.25mm,.50mm Toy: 1456(1987-1988), 1497(1992-98)	CB-1635P	STD,.25mm,.50mm Chry: 122(1995-2003); Eagle: 122(1995-1998); Mits: 122(1995-1998)
CB-1467AL	.50mm Sub: 1781(1985-1989)	CB-1594P	STD,.25mm,.50mm Lex: 2507(1990-1991); Toy: 1992(1987-95), 2507(1988-1991)	CB-1638P	STD,10,20,30 FordTrac: 401 Diesel(1986-97), 476 Diesel(1987-1997); FordTrk: 401 Diesel(1986-93), 474 Diesel(1987-1988); New Holland Ford: 401 Diesel(1986-1997)
CB-1469P	STD,.25mm,.50mm Sub: 997(1983-90), 1189(1987-1992)	CB-1595P	STD,.25mm,.50mm,.75mm Toy: 1345(1967-78); ToyInd: 1345(1967-78), 1493(1967-1992); ToyTrk: 1345(1967-1975), 1493(1972-78)	CB-1639P	STD,.25mm,.50mm Toy: 2164(1990-1995)
CB-1470AL	STD,.25mm Sub: 2672(1988-1991)	CB-1596P	STD,10,20,30,40 Alc: 142 Diesel, 213 Diesel, 284 Diesel, 426 Diesel; Deere: 426 Diesel; DeID: 142 Diesel, 213 Diesel, 284 Diesel, 426 Diesel; MasFer: 213 Diesel; MilStd: 426 Diesel; Oliver: 213 Diesel	CB-1643P	STD,.25mm,.50mm Chry: 122(1992-92), 144(1992-1992); DodTrk: 144(1992-1992); Eagle: 122(1992-1992), 144(1992-92); Hyun: 1997(1992-1998); Mits: 1997(1992-1992), 2351(1994-97); MitsTrk: 2351(1989-1990)
CB-1471AL	STD Toy: 1290(1983-1984)	CB-1598P	STD,10,20 Mack: 728 Diesel	CB-1647P	STD,.25mm,.50mm,.75mm GMC: 146(1996-1996)
CB-1472AL	STD,.25mm ToyTrk: 2446 Diesel(1985-1987)	CB-1599P	STD,10,20 Cat: 318 Diesel	CB-1648P	STD,.25mm,.50mm,.75mm GMC: 244(1995-02), 281(1993-2004); GMC Trk.: 281(1904-2004)
CB-1474P	STD,.25mm,.50mm GMC: 98(1988-1992); Toy: 1587(1987-1989)	CB-1616P	STD,10,20 Cumm: 855 Diesel	CB-1652P	STD,.25mm,.50mm Ford: 122(1993-1996); Maz: 1991(1993-1997)
CB-1477AL	STD,.25mm,.50mm,.75mm GMC Trk.: 97(1989-2002); Suz: 1590(1995-1998); SuzTrk: 1590(1989-1998)	CB-1618P	STD,.25mm,.50mm Komatsu: 12840 Diesel(1971-1994), 19260 Diesel(1971-79)	CB-1653P	STD,.25mm,.50mm Ford: 153(1993-1997); Maz: 2254(1995-96), 2497(1993-97), 2954(1990-1994)
CB-1478P	STD,.25mm,.50mm GMC: 92(1985-1988), 98(1990-93); Isu: 1471(1985-89), 1588(1989-1991); Passpt: 1588(1989-1991)	CB-1619P	STD,10,20 Cumm: 2301 Diesel, 3068 Diesel	CB-1654P	STD,.25mm,.50mm,.75mm, 1.00mm GMC Trk.: 119(1982-1985), 1817(1972-82); Isu: 1817(1981-84), 1949(1983-87), 1994(1985-89), 2254(1987-1989); IsuTrk: 1817(1981-82), 1949(1983-85), 2254(1986-1987); Opel: 1817(1976-1979)
CB-1479P	STD,.25mm,.50mm Hon: 1342(1984-1986)	CB-1620P	STD,.25mm,.50mm Cat: 268 Diesel, 403 Diesel, 442 Diesel	CB-1655P	STD,.25mm Inf: 4130(1997-98), 4494(1990-1995)
CB-1480AL	STD,.25mm,.50mm HonTrk: 2559(1994-1996); IsuTrk: 2559(1988-1991)	CB-1621P	STD,25 Cat: 2115 Diesel, 3173 Diesel, 3948 Diesel, 4210 Diesel		
		CB-1622P	STD,25,50 Cat: 893 Diesel		



NUMERICAL LISTING OF CLEVITE CONNECTING ROD BEARINGS

Part No.	Undersizes	Part No.	Undersizes	Part No.	Undersizes
CB-1656AL	STD,.25mm,.50mm,.75mm LexTrk: 4476(1996-1997); ToyTrk: 4476(1993-1997)	CB-1772P	STD,.25mm,.50mm,.75mm Ford: 155(1995-00), 181(1996-2005), 207(1996-99); FordTrk: 181(1901-2003); MazTrk: 181(1901-2003)	CB-1785H	STD,.25mm Hon: 1797(1994-2001)
CB-1657AL	STD,.25mm,.50mm Sub: 1820(1993-97), 2212(1990-2001)	CB-1773P	STD,.25mm Komatsu: 674 Diesel	CB-1785HK	STD,.25mm Hon: 1797(1994-2001)
CB-1658AL	STD,.25mm Daih: 1295(1989-1992), 1296(1989-93); DaihTrk: 1589(1989-1995)	CB-1774H	STD,.026mm,.25mm Ford: 1989(1995-2003); Maz: 1989(192001-2003)	CB-1785HX	STD Hon: 1797(1994-2001)
CB-1659P	STD,10,20 DetD: 530(1995-2001), 466 Diesel(1995-01), 530 Diesel(1995-01); NavInt: 466(1997-98), 408 Diesel(1994-97), 466 Diesel(1994-1997), 530 Diesel(1995-98); Perk: 466 Diesel, 530 Diesel	CB-1774HX	STD Ford: 1989(1995-2003); Maz: 1989(192001-2003)	CB-1785HXX	STD Hon: 1797(1994-2001)
CB-1662P	STD,10,20 DetD: 677, 677 Diesel, 778 Diesel	CB-1774P	STD,.25mm,.50mm,.75mm Ford: 1989(1995-2003); FordTrk: 1989(1901-2002); MazTrk: 1989(1901-2003)	CB-1785P	STD,.25mm,.50mm Acura: 1797(1994-1998)
CB-1663H	STD,1,10 Custom Performance:	CB-1775H	STD,1 Custom Performance:	CB-1786AL	STD,.25mm,.50mm GMC: 108(1993-1999); Toy: 1762(1993-1995)
CB-1663HK	STD,1 Custom Performance:	CB-1775HK	STD,1 Custom Performance:	CB-1787P-.25mm	.25mm,.50mm Chry: 167(1998-2006)
CB-1663HX	STD Custom Performance:	CB-1775HX	STD Custom Performance:	CB-1788P-.25mm	.25mm,.50mm Chry: 122(1995-1999); Eagle: 122(1995-1998); Mits: 122(1995-1998)
CB-1663HXX	STD Custom Performance:	CB-1775HXX	STD Custom Performance:	CB-1790P-.25mm	.25mm,.50mm,.75mm Ford: 232(1996-1997), 238(1904-04); FordTrk: 232(1996-2003), 238(1904-05), 256(1997-00)
CB-1663V	STD,1 Custom Performance:	CB-1777H	STD,.25mm Hon: 1595(1994-1997)	CB-1791P-.25mm	.25mm,.50mm,.75mm GMC: 146(1996-1996)
CB-1663VX	STD Custom Performance:	CB-1777HX	STD Hon: 1595(1994-1997)	CB-1792P	STD,.25mm,.50mm DetD: 677, 677 Diesel, 778 Diesel
CB-1664H	STD,1 Custom Performance:	CB-1777P	STD,.25mm,.50mm Hon: 1595(1994-1997)	CB-1793P-.25mm	.25mm,.50mm,.75mm Ford: 1989(1995-1998); FordTrk: 1989(1901-2002); MazTrk: 1989(1901-2003)
CB-1664HK	STD,1 Custom Performance:	CB-1778P-10	10,20,30,40 CommMar: 302; DearbMar: 289, 302; Ford: 221(1962-63), 255(1980-80), 260(1962-63), 289(1963-68), 302(1968-1979); FordInd: 302(1968-1993); FordMar: 221, 260, 289, 302; FordTrk: 255(1981-82), 260(1964-64), 289(1965-65), 302(1968-1972); GlasMar: 302; HolMdyMar: 30	CB-1794P-10	10,20,30,40 ChrisCft: 262; GMC: 262(1985-1985); GMC Trk.: 262(1985-1987); HardMar: 262; IsuTrk: 262(1997-2000); MercMar: 262; OMC: 262; ThermElec: 262; Workhorse: 262(1900-2003); Yam: 262
CB-1664HX	STD Custom Performance:	CB-1779P-10	10,20,30,40 Chry: 273(1964-66), 277(1956-56), 301(1956-57), 303(1956-56), 318(1957-89), 326(1959-59), 340(1968-68), 360(1971-1979), 488(1994-98); ChryInd: 318; ChryMar: 273, 318, 340, 360; DodTrk: 273(1964-68), 313(1958-65), 318(1959-87), 360(1971-03), 488(1994-2003); Jeep: 318(199	CB-1795P-10	10,20,30,40 Ford: 159(1972-73), 171(1974-1978), 244(1905-05), 1498(1963-70), 1699(1963-71), 2551(1970-76), 2900(1988-90); FordTrk: 171(1983-86), 177(1986-92), 244(1990-2002); MazTrk: 4016(1991-2005); Saab: 1498(1967-1969)
CB-1664HXX	STD Custom Performance:	CB-1780H	STD,.25mm Hon: 2157(1993-2001)	CB-1796P-.25mm	.25mm,.50mm,.75mm Ford: 232(1982-1986); FordTrk: 232(1982-1995)
CB-1665HD	STD,1 Custom Performance:	CB-1780HK	STD Hon: 2157(1993-2001)	CB-1797P-.25mm	.25mm,.50mm,.75mm GMC: 173(1980-86), 189(1988-1996), 207(1991-95); GMC Trk.: 173(1982-93), 189(1990-95), 207(1996-1998); IsuTrk: 2827(1989-1991), 3137(1991-92); Jeep: 173(1984-1986)
CB-1665HDK	STD,1 Custom Performance:	CB-1780HX	STD Hon: 2157(1993-2001)	CB-1798H	STD,1 Custom Performance:
CB-1665HND	STD,10 Custom Performance:	CB-1780HXX	STD Hon: 2157(1997-1996)	CB-1798HK	STD,1 Custom Performance:
CB-1665HND1	STD Custom Performance:	CB-1780P	STD,.25mm,.50mm Hon: 2157(1993-2001)	CB-1798HX	STD Custom Performance:
CB-1665HNDK	STD,1 Custom Performance:	CB-1781AL	STD,.25mm,.50mm ToyTrk: 2438(1995-2001)	CB-1798HXX	STD Custom Performance:
CB-1665HXD	STD Custom Performance:	CB-1782AL	STD,.25mm,.50mm Chry: 112(1992-1994); Eagle: 112(1992-1993); Mits: 1834(1993-1994); MitsTrk: 1834(1992-1994)	CB-1798V	STD,1 Custom Performance:
CB-1665HXDK	STD Custom Performance:	CB-1783P	STD,.25mm,.50mm Toy: 2496(1988-95), 2959(1992-1993); ToyTrk: 3378(1995-1998)	CB-1798VX	STD Custom Performance:
CB-1665HXND	STD Custom Performance:	CB-1784P	STD,.25mm,.50mm DodTrk: 287(1900-2006); Jeep: 287(1999-2004)	CB-1799P-10	10,20,30,40 Ford: 240(1965-1972); FordInd: 240(1965-1974), 300(1965-93); FordMar: 240, 300; FordTrk: 240(1965-68), 300(1965-1996); OscoMar: 300
CB-1665HXNDK	STD Custom Performance:				
CB-1667P	STD,.026mm,.25mm,.50mm,.75mm Ford: 232(1996-97), 238(1904-2004); FordTrk: 232(1996-2003), 238(1904-05), 256(1997-00)				
CB-1668P	.25mm,.50mm Chry: 148(1995-2004); DodTrk: 148(1996-2003)				
CB-1669P	STD,.25mm,.50mm Chry: 197(1998-01), 215(1999-2002); DodTrk: 215(1906-2006)				
CB-1670P	STD,.25mm,.50mm,.75mm Chry: 167(1998-2006)				



NUMERICAL LISTING OF CLEVITE CONNECTING ROD BEARINGS

Part No.	Undersizes	Part No.	Undersizes	Part No.	Undersizes
CB-1800P-10	10,20,30,40 GMC: 181(1982-86), 196(1978-79), 204(1989-90), 231(1977-1981), 252(1980-83); GMC Trk.: 231(1978-1983)	CB-1814P	STD,.25mm,.50mm,.75mm FordTrk: 363 Diesel(1903-2006); NavInt: 363 Diesel(1903-2005)	CB-1835AL	STD,.25mm,.50mm Scion: 2362(1905-2005); Toy: 2362(1902-2005); ToyTrk: 2362(1901-2005)
CB-1802P-10	10,20,30 CommMar: 460; Ford: 429(1968-1971), 460(1968-72); FordInd: 370(1979-1991), 429(1979-93), 460(1973-93); FordMar: 429(1968-1968), 460(1968-78); FordTrk: 370(1979-85), 429(1970-90), 460(1973-1996); HardMar: 460; HolMdyMar: 460(1968-1978); JacMar: 460(1968-1978); PanJ	CB-1815P-.25mm	.25mm,.50mm,.75mm FordTrk: 363 Diesel(1903-2005); NavInt: 363 Diesel(1903-2004)	CB-1836P	STD,.25mm,.50mm DetD: 677, 677 Diesel, 778 Diesel
CB-1803P-10	10,20,30,40 CommMar: 351; DearbMar: 351; Ford: 351(1969-1989); FordInd: 351(1969-1993); FordMar: 351; FordTrk: 351(1969-1996); GlasMar: 351; HolMdyMar: 351; IndMar: 351; MercMar: 351; OMC: 351; OscoMar: 351; PalMar: 351; PleasCft: 351; ThermElec: 351; VolPen	CB-1816P-10	10,20 GMC Trk.: 169(1904-06), 211(1904-06), 254(1902-2006); Hummer: 211(1906-2006); IsuTrk: 169(1906-06), 211(1906-06), 254(1903-2007); Saab Truck: 254(1905-2005)	CB-1838AL	STD,.25mm,.50mm Ford: 2261(1903-2005); FordTrk: 2261(1903-2005); Maz: 2261(1903-2005); MazTrk: 2261(1905-2006)
CB-1804P-.25mm	.25mm,.50mm DodTrk: 287(1900-2006); Jeep: 287(1999-2004)	CB-1817P-.25mm	.25mm,.50mm Chry: 148(1995-2005); DodTrk: 148(1996-2003)	CB-1838H	STD,.026mm,.25mm Ford: 2261(192003-2005); Maz: 2261(192003-2005)
CB-1805P	STD,.25mm,.50mm GMC Trk.: 403 Diesel(1901-2004); Workhorse: 403 Diesel(1904-2004)	CB-1818P	STD,.25mm,.50mm DodTrk: 226(1902-2006); Jeep: 226(1902-2006)	CB-1838HK	STD Ford: 2261(192003-2005)
CB-1806P-10	10,20,30 GMC: 204(1991-1993), 231(1990-95); GMC Trk.: 231(1992-1995)	CB-1819P-.25mm	.25mm,.50mm DodTrk: 226(1902-2005); Jeep: 226(1902-2005)	CB-1838HX	STD Ford: 2261(192003-2005); Maz: 2261(192003-2005)
CB-1807AL	STD,.25mm,.50mm ToyInd: 2771	CB-1820P-10	10,20 GMC: 212(1999-2002)	CB-1838HXK	STD Ford: 2261(192003-2005)
CB-1808HN	STD,.026mm,.23mm,.25mm,.28mm Chry: 345(1903-05), 370(1906-2007)	CB-1821P	STD,.25mm,.50mm Audi: 1781(1997-2000); VW: 1781(1998-2000)	CB-1839AL-.25mm	.25mm,.50mm Ford: 2261(1903-2004); FordTrk: 2261(1903-2005); Maz: 2261(1903-2005); MazTrk: 2261(1905-2006)
CB-1808HXXN	STD Chry: 345(1903-05), 370(1906-2007)	CB-1822P	STD,.25mm,.50mm VW: 1896 Diesel(1993-2002)	CB-1840AL	STD,.25mm,.50mm Ford: 121(1904-2005)
CB-1808P	STD,.25mm,.50mm Chry: 345(1905-2005), 370(1906-07); DodTrk: 345(1903-2005); Jeep: 345(1905-2005), 370(1906-07)	CB-1823P	STD,.25mm Audi: 2771(1998-1999); VW: 2771(1998-1999)	CB-1840H	STD,.026mm,.25mm Ford: 121(192004-2005)
CB-1809P-.25mm	.25mm,.50mm Chry: 345(1905-2005), 370(1906-07); DodTrk: 345(1903-2005); Jeep: 345(1905-2005), 370(1906-07)	CB-1824AL	STD,.25mm VW: 2792(1992-1994)	CB-1840HK	STD Ford: 121(192004-2005)
CB-1810P-.25mm	.25mm,.50mm GMC Trk.: 403 Diesel(1901-2004); Workhorse: 403 Diesel(1904-2004)	CB-1825P	STD,.25mm,.50mm Vol: 142(1994-2002), 149(1993-02), 178(1992-98)	CB-1840HX	STD Ford: 121(192004-2005)
CB-1811P	STD,10,20 GMC Trk.: 169(1904-06), 211(1904-06), 254(1902-2007); Hummer: 211(1906-2006); IsuTrk: 169(1906-06), 211(1906-06), 254(1903-2007); Saab Truck: 254(1905-2005)	CB-1827AL	STD,10,20,30 GMC: 134(1902-2005); Sat: 134(1900-2003); Saturn Truck: 134(1902-2003)	CB-1840HXX	STD Ford: 121(192004-2005)
CB-1812P	STD,10,20 GMC: 212(1999-2002)	CB-1827H	STD,1,10 GMC: 134(1900-2006)	CB-1840HXXK	STD Ford: 121(192004-2005)
CB-1813H	STD,.026mm,.25mm Chry: 148(1995-2004)	CB-1827HK	STD GMC: 134(192000-2006)	CB-1841AL-.25mm	.25mm,.50mm Ford: 121(1904-2005)
CB-1813HK	STD Chry: 148(1903-2004)	CB-1827HX	STD GMC: 134(1900-2006)	CB-1842P	STD,.25mm,.50mm DodTrk: 164 Diesel(1904-2006); FrghTlnr: 164 Diesel(1902-2006)
CB-1813HX	STD Chry: 148(1995-2004)	CB-1827HXXK	STD GMC: 134(192000-2006)	CB-1843P-.25mm	.25mm,.50mm DodTrk: 164 Diesel(1904-2003); FrghTlnr: 164 Diesel(1904-2006)
CB-1813HXXK	STD Chry: 148(1903-2004)	CB-1829P	STD,.25mm,.50mm Hyun: 1495(1994-1999)	CB-1845P-.25mm	.25mm,.50mm,.75mm Ford: 155(1995-2002), 181(1996-05), 207(1996-99); FordTrk: 181(1901-2004); MazTrk: 181(1901-2003)
CB-1813P	STD,.25mm,.50mm Chry: 148(1995-2005); DodTrk: 148(1996-2003)	CB-1830P	STD,.25mm,.50mm AcuraTrk: 3165(1996-1997); HonTrk: 3165(1994-1997); IsuTrk: 3165(1992-1997), 3494(1998-02)	CB-1846P-.25mm	.25mm,.50mm Cumm: 180 Diesel, 239 Diesel, 359 Diesel; DodTrk: 359 Diesel(1990-1996)
		CB-1831P	STD,.25mm,.50mm Maz: 1844(1992-1994)	CB-1847P	STD,10,20 NavInt: 466 Diesel(1995-2003)
		CB-1832P	STD,.25mm,.50mm Mits: 3497(1997-2002); MitsTrk: 3497(1994-1997)	CB-1850P	STD,.25MM,.50mm Sub: 1820(1996-1995), 2212(1996-98)
		CB-1833P	STD,.25mm,.50mm Lex: 2995(1994-2002); LexTrk: 2995(1999-2002); Toy: 2995(1994-1996); ToyTrk: 2995(1998-2002)	CB-1854P	STD,.25mm,.50mm DodTrk: 287(1900-2003)
		CB-1834P	STD,10,20,30 FordTrac: 401 Diesel(1986-1997); New Holland Ford: 401 Diesel(1986-1997)	CB-1855P-.25mm	.25mm,.50mm DodTrk: 287(1900-2003)



NUMERICAL LISTING OF CLEVITE MAIN BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-17P	STD MBenz: 2307(74-1976), 1988 Diesel(72-78), 2197 Diesel(68-73), 2399 Diesel(79-79), 2404 Diesel(73-78)	MS-202P	STD,10,20,30 Cont: 134, 145; MasFer: 134, 145 Contents: (1)MB-1370P (1)MB-1636P (1)MB-1768P(F)	MS-426M	STD Chry: 392(57-1958) Contents: (1)MB-1803M(F) (1)MB-1804M (3)MB-1802M
Contents:		MS-209P	STD,10,20,30 Alc: 226; Roil: 176 Diesel, 201 Diesel, 226 Diesel Contents: (1)MB-366P(F) (2)MB-367P	MS-429H	STD,1,10 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967) Contents: (1)MB-1769H(F) (4)MB-1808H
MS-107P	STD,10,20 Chry: 218(38-1954), 237(42-50), 251(42-48), 265(51-54); ChryInd: 237, 251, 265; ChryMar: 251, 265; Coshtt: 237, 251; DodTrk: 242(38-1941), 251(42-63), 265(53-60); MasFer: 237, 251, 265; MilStd: 265; MinMol: 251, 265; Oliver: 251, 265 Contents: (1)MB-328P(F) (3)MB-327P	MS-211P	STD,10,20,30 Alc: 116, 125 Contents: (1)MB-891P(F) (2)MB-892P	MS-429HK	STD,1,10 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967) Contents: (1)MB-1769H(F) (4)MB-1808H
MS-109P	STD,10,20 Ford: 239(48-1949), 255(49-53); FordInd: 239(49-1953); FordTrk: 239(48-1952); MilStd: 239 Contents: (1)MB-1183P(F) (2)MB-352P	MS-226P	STD,10,20,30 Alc: 153, 182, 153 Diesel; Buda: 153, 182, 153 Diesel Contents: (1)MB-1669P (1)MB-1671P(F) (1)MB-1681P	MS-429HX	STD GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967) Contents: (1)MB-1769HX(F) (4)MB-1808HX
MS-115P	STD,10,20,30,40 Jeep: 134(39-1953); KaisFraz: 134(51-1953); MilStd: 134 Contents: (1)MB-883P(F) (1)MB-884P (1)MB-885P	MS-227P	STD,10,20,30 Alc: 230, 262, 273, 230 Diesel, 262 Diesel, 273 Diesel; Buda: 230, 262, 273, 230 Diesel, 262 Diesel, 273 Diesel; Coshtt: 230 Contents: (1)MB-1669P (1)MB-1671P(F) (1)MB-1681P (4)MB-1670P	MS-429HXX	STD GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967) Contents: (1)MB-1769HX(F) (4)MB-1808HX
MS-120P	STD,10,2,20,30,40 FerTrac: 120(39-1947); FordInd: 120(41-1942); FordTrac: 120; FordTrk: 120(41-1942) Contents: (1)MB-948P(F) (2)MB-947P	MS-260P	STD,10,20,30 Cont: 120, 129; MasFer: 120, 129 Contents: (1)MB-1370P (1)MB-1636P (1)MB-1637P	MS-429P	STD,1,10,20,30,40 Avanti: 327(1965-1967); Checker: 283(65-67), 327(65-1967); ChrisCft: 283, 302; FlagMar: 283, 327; GMC: 265(55-57), 283(57-1957), 302(67-67), 327(62-67); GMC Trk.: 265(55-56), 283(57-67), 327(62-1967); GMCMar: 283, 327; MasFer: 327; MercMar: Contents: (1)MB-1769P(F) (4)MB-3135P
MS-154P	STD,10,2,20 IntInd: 152; IntTrac: 152; MilStd: 152 Contents: (1)MB-1061P(F) (2)MB-1060P	MS-271P	STD,10,20,30,40 Alc: 426 Diesel; Deere: 426 Diesel; DetD: 426 Diesel; MilStd: 426 Diesel Contents: (1)MB-2524W (7)MB-1276P	MS-429V	STD,1,10 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967) Contents: (1)MB-1769V(F) (4)MB-1808V
MS-155P	STD,10,20 IntInd: 248; IntTrac: 248 Contents: (1)MB-1063P(F) (2)MB-1062P	MS-302P	STD,10 IntInd: 164, 169, 175; IntTrac: 164, 169, 175 Contents: (1)MB-1542P(F) (2)MB-1541P	MS-429VG	STD,1 GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967) Contents: (1)MB-1769VG(F) (4)MB-1808VG
MS-176P-10	10,20 Case: 140; Clark: 162; Cont: 124, 140, 162; Coshtt: 140; GrayMar: 140, 162; MasFer: 124, 140, 162; Oliver: 140, 162 Contents: (1)MB-1403P (1)MB-1405P (1)MB-1406P	MS-306P	STD,10 IntInd: 60; IntTrac: 60; PalMar: 60 Contents: (1)MB-1212P(F) (2)MB-1211P	MS-429VGX	STD GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967) Contents: (1)MB-1769VGX(F) (4)MB-1808VGX
MS-178P	STD,10,20,30,40,C60 DearbMar: 239(54-54), 256(54-54), 272(55-57), 292(55-1955); Ford: 239(54-54), 256(54-54), 272(55-57), 292(55-1961); FordInd: 239(54-55), 256(54-55), 272(56-58), 292(58-1964); FordMar: 239(56-56), 256(57-59), 272(57-59), 292(55-1959); FordTr Contents: (1)MB-1621P(F) (4)MB-1575P	MS-307P	STD,10,20 IntInd: 248, 264, 281; IntTrac: 248, 264, 281 Contents: (1)MB-1544P(F) (2)MB-1543P	MS-429VX	STD GMC: 265(1955-1957), 283(1957-1967), 302(1967-1967), 327(1962-1967) Contents: (1)MB-1769VX(F) (4)MB-1808VX
MS-189P-10	10,20 GMC: 235(53-1955); GMC Trk.: 235(53-1955), 261(54-55) Contents: (1)MB-1690P (1)MB-1691P (1)MB-1692P(F) (1)MB-1693P	MS-319P	STD,10,20 Deere: 113, 100.5 Contents: (1)MB-1581P (1)MB-1582P(F)	MS-443P	STD,10,30 FordInd: 401(58-76), 477(58-81), 534(58-1981); FordMar: 534(58-1981); FordTrk: 401(58-69), 475(73-79), 477(58-81), 534(58-1981); MilStd: 534; Seamstr: 534 Contents: (1)MB-1821P(F) (4)MB-1820P
MS-194P-10	10,20,30 Clark: 209; Cont: 170, 184, 186, 199, 202, 206, 209, 214, 218; Oliver: 202, 209 Contents: (1)MB-1403P (1)MB-1405P (2)MB-1404P	MS-349P	STD,10,20 Oliver: 231, 265, 302, 231 Diesel, 265 Diesel; Wauk: 265, 302, 320, 265 Diesel Contents: (1)MB-1644P(F) (3)MB-1643P	MS-445P	STD,10,20 ChrisCft: 427; DearbMar: 390(61-1963), 427(63-63); Ford: 332(58-59), 352(58-62), 361(58-58), 390(61-1963), 406(62-63), 427(63-63); FordMar: 352(58-60), 361(58-59), 390(61-63), 427(60-60); ThermElec: 390(61-1963) Contents: (1)MB-1825P(F) (4)MB-2441P
MS-195P-10	10,20 DearbMar: 312(56-1957); Ford: 312(56-1956); FordMar: 312(56-1957) Contents: (1)MB-1718P(F) (4)MB-1717P	MS-399P	STD,10,20,30 Alc: 175 Diesel; Buda: 175 Diesel Contents: (1)MB-1669P (1)MB-1671P(F) (1)MB-1681P (2)MB-1670P	MS-458H	STD,1 GMC: 348(1958-1961), 409(1961-1965) Contents: (1)MB-1841H(F) (4)MB-1840H
MS-197P	STD,10,20,30,40 GMC: 235(55-1957); GMC Trk.: 235(55-62), 261(55-1962) Contents: (1)MB-1721P (1)MB-1722P (1)MB-1723P(F) (1)MB-1724P	MS-405P	STD,10,20,30 Oliver: 129, 144, 155, 129 Diesel, 144 Diesel, 155 Diesel; Wauk: 125, 129, 144, 155, 129 Diesel, 144 Diesel, 155 Diesel Contents: (1)MB-1786P(F) (2)MB-1629P	MS-458HX	STD GMC: 348(1958-1961), 409(1961-1965) Contents: (1)MB-1841HX(F) (4)MB-1840HX
		MS-406P	STD,10,20,30 Coshtt: 194, 194 Diesel; Oliver: 194, 216, 232, 194 Diesel, 216 Diesel; Wauk: 194, 216, 232, 194 Diesel, 216 Diesel, 232 Diesel Contents: (1)MB-1786P(F) (3)MB-1629P		
		MS-411P-10	GMC: 365(56-58), 390(59-1962) Contents: (1)MB-1792P(F) (4)MB-1791P		



NUMERICAL LISTING OF CLEVITE MAIN BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-458P-10	10 GMC: 348(58-61), 409(61-1961); GMC Trk.: 348(58-1965), 409(62-65); ThermElec: 348, 409 Contents: (1)MB-1841P(F) (4)MB-1840P	MS-522P-10	10 GMC Trk.: 702(1960-1961) Contents: (1)MB-2010P(F) (6)MB-2009P	MS-590H	STD,1,10,11,9 Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001) Contents: (1)MB-2122H(F) (4)MB-2121H
MS-459P	STD,10,20,30 IntInd: 113, 123; IntTrac: 113, 123 Contents: (1)MB-1649P(F) (2)MB-1648P	MS-523P-10	10,20,30 Chry: 218(34-50), 230(46-1952); ChryInd: 218(42-54), 230(42-60); ChryMar: 218, 230; Clark: 218(42-1954); Coshtt: 218(42-1954); DodTrk: 201(41-41), 218(39-1943), 230(48-56); MasFer: 218(42-54), 230(42-60); MilStd: 230 Contents: (1)MB-122P(F) (1)MB-2011P (2)MB-2012P	MS-590HK	STD,1,10 Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001) Contents: (1)MB-2122H(F) (4)MB-2121H
MS-466P	STD,1,10,20,30,40 FordInd: 134(53-76), 172(55-78), 192(72-81), 144 Diesel(58-65), 172 Diesel(58-78), 192 Diesel(72-1981); FordTrac: 134(53-65), 172(55-65), 192(71-81), 144 Diesel(58-65), 172 Diesel(58-65), 192 Diesel(71-1981); New Holland Ford: 134(53-65), 1 Contents: (1)MB-1540P(F) (2)MB-1501P	MS-525P	STD,10,20,30 Ford: 215(52-53), 223(54-1961); FordInd: 215(52-53), 223(54-64), 262(61-1964); FordTrac: 223(61-66), 242 Diesel(61-1966); FordTrk: 215(52-53), 223(54-1964), 262(61-62) Contents: (1)MB-1500P(F) (3)MB-1499P	MS-590HX	STD Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001) Contents: (1)MB-2122HX(F) (4)MB-2121HX
MS-481M	STD,10,20 Chry: 383(59-60), 413(59-60), 426(63-63), 440(66-1973); ChryInd: 413, 440; ChryMar: 413, 426, 440; DodTrk: 413(60-68), 440(73-1973) Contents: (1)MB-1884M(F) (4)MB-1883M	MS-540H	STD,1,10 Chry: 273(1964-1969), 318(1957-1973), 340(1968-1973) Contents: (1)MB-2036H(F) (1)MB-2559H (3)MB-2035H	MS-590HXX	STD Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001) Contents: (1)MB-2122HX(F) (4)MB-2121HX
MS-483G	STD,10,20 GMC: 326(63-67), 350(68-70), 389(59-59), 400(1967-1976) Contents: (1)MB-1890G(F) (1)MB-1891P (3)MB-1889G	MS-540HK	STD,1,10 Chry: 273(1964-1969), 318(1957-1973), 340(1968-1973) Contents: (1)MB-2036H(F) (1)MB-2559H (3)MB-2035H	MS-590P	STD,1,10,20,30,40 CommMar: 302; DearbMar: 289, 302; Ford: 221(62-63), 255(80-82), 260(62-64), 289(63-1967), 302(68-74); FordInd: 302(68-1993); FordMar: 221, 260, 289, 302; FordTrk: 255(81-82), 260(64-64), 289(65-68), 302(68-1995); GlasMar: 302; HolMdyMar: 30 Contents: (1)MB-2122P(F) (4)MB-2121P
MS-494P	STD,10,20 IntInd: 221, 263, 282, 301, 236 Diesel, 282 Diesel, 301 Diesel; IntTrac: 221, 263, 282, 291, 301, 236 Diesel, 282 Diesel, 301 Diesel; NavInt: 301 Diesel(60-1975) Contents: (1)MB-1909P (1)MB-1910P (1)MB-1911P(F) (1)MB-1912P	MS-540HX	STD Chry: 273(1964-1969), 318(1957-1973), 340(1968-1973) Contents: (1)MB-2036HX(F) (1)MB-2559HX (3)MB-2035HX	MS-590V	STD,1,20 Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001) Contents: (1)MB-2122V(F) (4)MB-2121V
MS-496P	STD,10,20,30 GMC: 195(61-63), 326(63-67), 350(68-70), 389(59-59), 400(1967-1976) Contents: (1)MB-1891P (1)MB-1918P(F) (3)MB-1917P	MS-540HXX	STD Chry: 273(1964-1969), 318(1957-1973), 340(1968-1973) Contents: (1)MB-2036HX(F) (1)MB-2559HX (3)MB-2035HX	MS-590VG	STD,1 Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001) Contents: (1)MB-2122VG(F) (4)MB-2121VG
MS-502P	STD,10,20,30 Clark: 212 Diesel; Coshtt: 212 Diesel; DetD: 212 Diesel; Oliver: 212 Diesel Contents: (1)MB-2522W (5)MB-1897P	MS-540P	STD,10,20,30,40 Chry: 273(64-66), 277(56-56), 301(56-57), 303(56-56), 318(57-1973), 326(59-59); ChryInd: 318; ChryMar: 273, 318; DodTrk: 273(64-68), 313(58-65), 318(58-1973); StksMar: 318 Contents: (1)MB-2036P(F) (1)MB-2559P (3)MB-2035P	MS-590VX	STD Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001) Contents: (1)MB-2122VX(F) (4)MB-2121VX
MS-505P	STD,10 IntInd: 135; IntTrac: 135 Contents: (1)MB-1930P(F) (2)MB-1929P	MS-558P	STD,10 GMC: 215(61-1961); LROver: 3528(70-1981); PalMar: 215(61-1963); Tri: 3528(80-1980) Contents: (1)MB-2075P(F) (4)MB-3135P	MS-596P	STD,10,20 Case: 148, 159, 164 Contents: (1)MB-2131P (1)MB-2132P(F) (1)MB-2133P
MS-506P	STD,10,20 DetD: 318 Diesel; MilStd: 318 Diesel Contents: (1)MB-2524W (4)MB-1931P	MS-562P	STD,10,20 IntInd: 166 Diesel; IntTrac: 166 Diesel, 188 Diesel Contents: (1)MB-1909P (1)MB-1910P (1)MB-1911P(F)	MS-606P	STD,10 GMC: 198(62-1963) Contents: (1)MB-2075P(F) (3)MB-3135P
MS-516P	STD,10,20,30 IntInd: 345; NavInt: 152(61-63), 196(66-71), 266(59-71), 304(59-75), 345(59-1971), 392(68-78); PalMar: 196(66-80), 304(59-80), 345(59-1980), 392(68-82) Contents: (1)MB-1998P(F) (4)MB-1997P	MS-566P-10	10 Cont: 157, 176, 193, 206; MasFer: 176, 193 Contents: (1)MB-2083P (1)MB-2085P (1)MB-2087P(F)	MS-614P	STD,10,20 IntTrac: 144 Diesel, 154 Diesel Contents: (1)MB-2155P(F) (4)MB-2154P
MS-517P	STD,10,20,30,40 Chry: 170(60-62), 198(70-74), 225(60-1973); ChryInd: 225(61-1976); ChryMar: 170, 198, 225; DodTrk: 170(63-69), 198(70-71), 225(61-1971); MasFer: 170, 225 Contents: (1)MB-1999P (1)MB-2000P(F) (2)MB-2001P	MS-584P	STD,10 GMC: 140(60-61), 145(61-62), 164(64-1966); GMC Trk.: 145(61-1963); MilStd: 145 Contents: (1)MB-2004P(F) (1)MB-2111P (2)MB-2005P	MS-617P	STD,1,10,20,30,40 Checker: 230(64-68), 250(69-1979); GMC: 194(62-65), 215(64-65), 230(64-70), 250(66-1975); GMC Trk.: 194(64-66), 230(63-69), 250(66-72), 292(63-1972); MasFer: 292; MercMar: 230, 250, 292; OMC: 250; StksMar: 250; Stud: 194(65-1966), 230(66-66) Contents: (1)MB-2588P(F) (6)MB-3135P
MS-518G	STD,10,20,30,40 DearbMar: 144(60-64), 170(61-1973); Ford: 144(60-63), 170(61-1964), 200(63-64); FordInd: 144(60-1964); FordMar: 144(60-64), 170(61-1973), 200(64-64); FordTrk: 144(60-64), 170(61-1965); IntcptMar: 144(60-64), 170(61-72), 200(64-1964); ThermE Contents: (1)MB-2003G(F) (3)MB-2002G	MS-590A-10	10,20,30 CommMar: 302; DearbMar: 289, 302; Ford: 221(62-63), 255(80-82), 260(62-63), 289(63-68), 302(68-1979); FordInd: 302(68-1993); FordMar: 221, 260, 289, 302; FordTrk: 255(81-82), 260(64-64), 289(65-65), 302(68-1983); GlasMar: 302; HolMdyMar: 30 Contents: (1)MB-2122A(F) (4)MB-2121A	MS-637P	STD Wauk: 1013, 1196 Contents: (1)MB-2179P (1)MB-2180P (5)MB-2178P
				MS-650P	STD,10 Alc: 339; Herc: 260, 298, 339, 260 Diesel, 298 Diesel, 339 Diesel; PalMar: 339 Contents: (1)MB-2092P(F) (6)MB-2185P



NUMERICAL LISTING OF CLEVITE MAIN BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-651P	STD,10,20 Case: 188 Diesel, 207 Diesel; Case IH: 188 Diesel Contents: (1)MB-2192P (1)MB-2194P(F) (1)MB-2195P (2)MB-2193P	MS-704P	STD,10,20,30,40 AMC: 199(65-67), 232(64-1974), 258(71-71); GrayMar: 258(71-1980); Jeep: 232(65-73), 242(87-1990), 258(71-88); NavInt: 232(69-71), 258(72-1974) Contents: (1)MB-2264P(F) (6)MB-2263P	MS-804P	STD,10,20,30 BarrMar: 455(68-1976); Berk: 455(68-1976); Checker: 350 Diesel(80-1982); GMC: 400(65-67), 425(65-67), 455(68-1970), 260 Diesel(79-79), 350 Diesel(78-85); GMC Trk.: 455(73-1976), 350 Diesel(78-78); JacMar: 455(68-1976); OldsMar: 455(68-1976) Contents: (1)MB-2362P (1)MB-2363P(F) (1)MB-2364P (2)MB-2163P
MS-652P	STD,10,20 Case: 188, 201; Case IH: 188 Contents: (1)MB-2192P (1)MB-2194P(F) (1)MB-2195P	MS-712AL	STD,25 Cat: 893, 893 Diesel Contents: (1)MB-2280AL(F) (6)MB-2279AL	MS-805P	STD,1,10,20,30 BarrMar: 403(77-1979); Berk: 350(68-1980); GMC: 260(75-1975), 307(80-87), 330(64-67), 350(68-73), 403(77-78); HardMar: 350, 403; OldsMar: 350(68-80), 403(77-1979); PanJetMar: 350(68-80), 403(68-80) Contents: (1)MB-2252P(F) (1)MB-2253P (1)MB-2365P (2)MB-2251P
MS-663P-10	10 GMC: 390(63-63), 429(64-1967) Contents: (1)MB-2208P (1)MB-2210P(F) (1)MB-2211P (2)MB-2209P	MS-742AL	STD,10,20,30 Ford: 98(71-1973), 1098(68-80), 1100(71-73), 1298(68-73), 1498(63-67), 1599(67-72); FordInd: 67(73-82), 98(73-1973) Contents: (5)MB-2759AL	MS-813P	STD,10 ChryMar: 109, 122; Vol: 109(61-68), 121(69-75), 130(76-82), 141(83-1984); VolPen: 121(69-1975) Contents: (1)MB-2374P(F) (4)MB-2373P
MS-664P-10	10 GMC: 401(59-1963), 425(63-64) Contents: (1)MB-1881P(F) (1)MB-2212P (3)MB-1811P	MS-755AL	STD,10,20 FordInd: 220 Diesel(62-1966); FordTrk: 220 Diesel(52-1966) Contents: (2)MB-1739AL (3)MB-1738AL	MS-822AL	STD,25mm,.50mm VW: 1192(61-65), 1285(66-66), 1493(67-69), 1584(66-1979); VWTrk: 1192(54-60), 1493(65-1967), 1584(68-79) Contents: (1)MB-2391AL(F) (1)MB-2392P (1)MB-2393AL (1)MB-2394AL
MS-665P	STD,10,20 IntInd: 135; IntTrac: 135, 146, 153 Contents: (1)MB-2214P(F) (2)MB-2213P	MS-757AL	STD,10,20,30 DodTrk: 354 Diesel(66-1970); MasFer: 354 Diesel; MinMol: 354 Diesel; Oliver: 354 Diesel; Perk: 354 Diesel, 372 Diesel; WhiFarm: 354 Diesel Contents: (1)MB-2222AL (6)MB-2221AL	MS-829A-10	10,20,30 ChrisCft: 454; FlagMar: 427, 454; GMC: 98(90-91), 396(65-68), 402(70-72), 427(66-69), 454(70-1976); GMC Trk.: 366(66-1972), 396(66-69), 402(70-72), 427(66-72), 454(70-82); GMCMar: 427(90-95), 502(90-95); HardMar: 454; IndMar: 454; Isu: 1588 Contents: (1)MB-2404A(F) (4)MB-2403A
MS-667H	STD,1,10 GMC: 421(63-66), 428(67-1969), 455(70-76) Contents: (1)MB-2216H(F) (1)MB-2217H (3)MB-2215H	MS-765P	STD,10 Ford: 240(65-1965); FordInd: 240(65-66), 300(65-1966); FordMar: 240, 300; FordTrk: 240(65-66), 300(65-1965); OscoMar: 300 Contents: (1)MB-2296P(F) (6)MB-2553P	MS-829H	STD,1,10,11,19,20,21,30,9 GMC: 366(1966-1998), 396(1965-1970), 402(1970-1972), 427(1966-1998), 454(1970-2000), 502(1965-1970) Contents: (1)MB-2404H(F) (4)MB-2403H
MS-667HX	STD GMC: 421(63-66), 428(67-1969), 455(70-76) Contents: (1)MB-2216HX(F) (1)MB-2217HX (3)MB-2215HX	MS-766P	STD MilStd: 779, 817; Wauk: 501, 638, 779, 817 Contents: (1)MB-1131P (1)MB-2297P (5)MB-1130P	MS-829HG	STD GMC: 366(1966-1998), 396(1965-1970), 402(1970-1972), 427(1966-1998), 454(1970-2000), 502(1965-1970) Contents: (1)MB-2404HG(F) (4)MB-2403HG
MS-667P	STD,10,20,30 GMC: 421(63-63), 428(67-67), 455(70-1976) Contents: (1)MB-2216P(F) (1)MB-2217P (3)MB-2215P	MS-771G	STD,10,20,30,40 Ford: 200(65-1975); FordInd: 200(65-1975); FordMar: 200(65-1975); FordTrk: 200(65-1974); IntcptMar: 200(65-1975) Contents: (1)MB-2003G(F) (6)MB-2002G	MS-829HK	STD,1,10 GMC: 366(1966-1998), 396(1965-1970), 402(1970-1972), 427(1966-1998), 454(1970-2000), 502(1965-1970) Contents: (1)MB-2404H(F) (4)MB-2403H
MS-676P	STD,10,20,30 Oliver: 283, 283 Diesel, 310 Diesel; Wauk: 283, 310, 283 Diesel, 310 Diesel Contents: (1)MB-2226P(F) (6)MB-2225P	MS-772AL	STD,10,20,30 Alc: 152 Diesel; FordTrac: 152; ForsnTrac: 144 Diesel(64-74), 152 Diesel(64-1964); MasFer: 152, 135 Diesel, 144 Diesel, 152 Diesel; MinMol: 152 Diesel; Perk: 152, 135 Diesel, 144 Diesel, 152 Diesel, 205 Diesel Contents: (1)MB-2186AL (1)MB-2302AL (2)MB-2187AL	MS-829HX	STD GMC: 366(1966-1998), 396(1965-1970), 402(1970-1972), 427(1966-1998), 454(1970-2000), 502(1965-1970) Contents: (1)MB-2404HX(F) (4)MB-2403HX
MS-683P	STD,10,20 IntInd: 221, 263, 282, 301, 236 Diesel, 282 Diesel, 301 Diesel; IntTrac: 221, 263, 282, 291, 301, 236 Diesel, 282 Diesel, 301 Diesel; NavInt: 301 Diesel(60-1975) Contents: (1)MB-1909P (1)MB-1910P (1)MB-1912P (1)MB-2231P(F)	MS-773AL	STD,10,20 Jeep: 192 Diesel(68-1968); MasFer: 192 Diesel, 203 Diesel; Perk: 192 Diesel, 203 Diesel Contents: (1)MB-2186AL (2)MB-2187AL (2)MB-2302AL	MS-829HXX	STD GMC: 366(1966-1998), 396(1965-1970), 402(1970-1972), 427(1966-1998), 454(1970-2000), 502(1965-1970) Contents: (1)MB-2404HX(F) (4)MB-2403HX
MS-684P	STD,10 IntInd: 361 Diesel, 407 Diesel; IntTrac: 407, 361 Diesel, 407 Diesel Contents: (1)MB-2232P (1)MB-2234P(F) (5)MB-2233P	MS-804H	STD,1,10,20 GMC: 400(68-67), 425(65-67), 455(68-76), 472(68-74), 500(70-1976) Contents: (1)MB-2362H (1)MB-2363H(F) (1)MB-2364H (2)MB-2163H	MS-829HXX	STD GMC: 366(1966-1998), 396(1965-1970), 402(1970-1972), 427(1966-1998), 454(1970-2000), 502(1966-1998) Contents: (1)MB-2404HX(F) (4)MB-2403HX
MS-685P	STD,1,10,20,30,40,C60 ChrisCft: 427; DearbMar: 390(64-1965), 427(64-65); Ford: 352(64-64), 390(64-1965), 427(64-65); FordInd: 330(64-65), 361(64-65), 390(64-65), 391(64-1965); FordMar: 352(64-65), 390(64-65), 427(64-65); FordTrk: 330(64-65), 352(65-1965), 361(64) Contents: (1)MB-2235P(F) (4)MB-2441P	MS-804HX	STD GMC: 400(68-67), 425(65-67), 455(68-76), 472(68-74), 500(70-1976) Contents: (1)MB-2362HX (1)MB-2363HX(F) (1)MB-2364HX (2)MB-2163HX		
MS-697P	STD,10,20 GMC: 330(64-1964) Contents: (1)MB-2252P(F) (1)MB-2253P (3)MB-2365P				



NUMERICAL LISTING OF CLEVITE MAIN BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-829P	STD,1,10,20,30,40 ChrisCft: 454; FlagMar: 427, 454; GMC: 396(65-68), 402(70-72), 427(66-69), 454(70-1976); GMC Trk.: 366(66-98), 396(66-69), 402(70-72), 427(66-90), 454(70-1995); GMCMar: 427(90-94), 502(90-95); HardMar: 454; IndMar: 454; MarPow: 454; MercMar	MS-875AL	STD,10,20,30 Deere: 202 Diesel, 219 Diesel, 239 Diesel, 276 Diesel; FMC: 239 Diesel Contents: (1)MB-2455AL(F) (4)MB-2454AL	MS-909H	STD,1,10,11,19,20,21,30,9 GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-2509H(F) (4)MB-2508H
MS-829V	STD,1,10 GMC: 366(1966-1998), 396(1965-1970), 402(1970-1972), 427(1966-1998), 454(1970-2000), 502(1965-1970) Contents: (1)MB-2404V(F) (4)MB-2403V	MS-876P	STD,10,20,30,40,C60 Chry: (62-65), 350(58-58), 361(58-1959), 383(59-59), 400(72-74); ChryInd: 361, 383, 400; ChryMar: 361, 400; DodTrk: 361(60-69), 383(67-1971), 400(72-77); MilStd: 361 Contents: (1)MB-2456P(F) (4)MB-2065P	MS-909HG	STD,10 GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-2509HG(F) (4)MB-2508HG
MS-829VX	STD GMC: 366(1966-1998), 396(1965-1970), 402(1970-1972), 427(1966-1998), 454(1970-2000), 502(1965-1970) Contents: (1)MB-2404VX(F) (4)MB-2403VX	MS-877P	STD,10,20 Chry: 383(59-60), 413(59-60), 426(63-63), 440(66-1974); ChryInd: 413, 440; ChryMar: 413, 426, 440; DodTrk: 413(60-68), 440(73-1974) Contents: (1)MB-2457P(F) (4)MB-2067P	MS-909HK	STD,1,10 GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-2509H(F) (4)MB-2508H
MS-830AL	STD,10,20,30 MasFer: 212 Diesel, 236 Diesel, 248 Diesel, 318 Diesel; Perk: 236, 212 Diesel, 236 Diesel, 248 Diesel, 318 Diesel Contents: (1)MB-2222AL (4)MB-2221AL	MS-878AL	STD,10,20 Alc: 201, 226 Contents: (1)MB-2459AL(F) (2)MB-2458AL	MS-909HX	STD GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-2509HX(F) (4)MB-2508HX
MS-836P	STD,10,20 Deere: 201, 227 Contents: (1)MB-2416P(F) (2)MB-2415P	MS-883P	STD,10,20,30 NavInt: 537(78-79), 461 Diesel(66-68), 549 Diesel(66-1977), 551 Diesel(80-87) Contents: (1)MB-2483P(F) (4)MB-2482P	MS-909HXX	STD GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-2509HXX(F) (4)MB-2508HXX
MS-837P	STD,10,20 Deere: 254 Diesel, 270 Diesel Contents: (1)MB-2416P(F) (4)MB-2415P	MS-885P	STD,10,20,30 DetD: 318 Diesel; MilStd: 318 Diesel Contents: (1)MB-2524W (4)MB-2474P	MS-909HXXK	STD GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-2509HXX(F) (4)MB-2508HXX
MS-838P	STD,10,20 Deere: 301, 341 Contents: (1)MB-2416P(F) (3)MB-2415P	MS-886P	STD,10,20,30 Cont: 135, 163, 198 Contents: (1)MB-1682P (1)MB-1686P(F) (1)MB-2475P	MS-909P	STD,1,10,2,20,30,40,C60 Avanti: 305(1981-1988), 327(68-68), 350(70-80); Checker: 267(80-82), 305(78-81), 307(68-68), 327(68-69), 350(69-1979); ChrisCft: 302, 305, 307, 327, 350; FlagMar: 305, 307, 327, 350; GMC: 262(75-76), 265(94-94), 267(79-81), 302(68-69), 305 Contents: (1)MB-2509P(F) (4)MB-2508P
MS-839P	STD,10,20 Deere: 381 Diesel, 404 Diesel Contents: (1)MB-2416P(F) (6)MB-2415P	MS-889P	STD,10,20,30 Cont: 227, 242, 245; Jeep: 226(51-1963); KaisFraz: 226(51-1951); MasFer: 227 Contents: (1)MB-1682P (1)MB-1686P(F) (2)MB-1225P	MS-909V	STD,1,10 GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-2509V(F) (4)MB-2508V
MS-860P-20	20 Ford: 171(74-1974), 2551(70-74), 2900(88-90); FordTrk: 171(83-1986), 177(86-89) Contents: (1)MB-2351P(F) (3)MB-2350P	MS-891AL-10	1116(71-73), 1197(66-69), 1290(72-1979), 1297(75-76), 1438(68-71), 1608(71-73); Yugo: 1116(86-1989), 1301(88-92) Contents:	MS-909VX	STD GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-2509VX(F) (4)MB-2508VX
MS-863P	STD,1,10,20,30,40 ChrisCft: 427; DearbMar: 390(66-1966), 427(66-66); Ford: 330(64-78), 352(64-67), 359(74-75), 360(68-76), 361(64-78), 389(75-78), 390(64-1967), 391(64-78), 410(66-67), 427(66-68), 428(66-68); FordInd: 330(66-78), 360(66-78), 361(66-78), 390 Contents: (1)MB-2442P(F) (4)MB-2441P	MS-896P	STD,10 Chry: 383(59-60), 413(59-73), 426(63-1966), 440(66-73) Contents: (1)MB-2495P(F) (4)MB-2219P	MS-914P	STD Austin: 1798(66-1978); MG: 1798(65-1974) Contents: (2)MB-18P (3)MB-2367P
MS-865AL	STD,10,20,30 FordTrac: 158(65-69), 175(75-80), 192(65-69), 201(65-69), 158 Diesel(65-69), 175 Diesel(65-69), 183 Diesel(75-80), 192 Diesel(65-69), 201 Diesel(65-69); New Holland Ford: 158, 201, 158 Diesel, 175 Diesel, 201 Diesel Contents: (1)MB-2447AL(F) (3)MB-2446AL	MS-900P	STD MinMol: 206(56-1959), 220(56-59), 206 Diesel(56-59) Contents: (1)MB-2032P(F) (2)MB-2496P	MS-926P	BMW: 1573(64-71), 1766(80-84), 1773(63-67), 1990(66-1976) Contents: (1)MB-77P(F) (4)MB-76P
MS-866AL	STD,10,20,30 FordTrac: 233(65-1968), 256(65-68), 233 Diesel(65-68), 256 Diesel(65-68); New Holland Ford: 256, 256 Diesel Contents: (1)MB-2447AL(F) (4)MB-2446AL	MS-902AL	STD,10,20 Alc: 138, 139, 149, 160 Contents: (1)MB-2498AL(F) (2)MB-2497AL	MS-954P	STD,10,20,30 Mack: 707, 672 Diesel, 707 Diesel Contents: (1)MB-1373W (1)MB-2520P (1)MB-2521P (4)MB-2045P
MS-873AL	STD,10,20,30 Deere: 135, 164, 180, 202, 219 Contents: (1)MB-2455AL(F) (2)MB-2454AL	MS-908P	STD,10,20 GMC: 400(67-1969), 430(67-69), 455(70-76); GrayMar: 455(70-1976) Contents: (1)MB-2506P(F) (1)MB-2507P (3)MB-2505P	MS-957AL	STD,10,20,30 Cat: 425, 350 Diesel, 425 Diesel Contents: (1)MB-2581AL(F) (4)MB-2580AL
MS-874AL	STD,10,20,30 Deere: 303, 329, 152 Diesel, 164 Diesel, 179 Diesel Contents: (1)MB-2455AL(F) (3)MB-2454AL	MS-909A-10	10,20,30 Avanti: 305(1981-1988), 327(68-68), 350(70-80); Checker: 267(80-82), 305(78-1981), 307(68-68), 327(68-69), 350(69-75); ChrisCft: 302, 305, 307, 327, 350; FlagMar: 305, 307, 327, 350; GMC: 262(75-76), 265(94-94), 267(79-81), 302(68-69), 305 Contents: (1)MB-2509A(F) (4)MB-2508A	MS-958AL	STD,10,20,30 Cat: 525, 638, 525 Diesel, 638 Diesel Contents: (1)MB-2581AL(F) (6)MB-2580AL



NUMERICAL LISTING OF CLEVITE MAIN BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-960P	STD,1,10,20,30 ChrisCft: 225; GMC: 181(82-88), 196(78-79), 204(89-1989), 225(64-65), 231(75-87), 252(80-84); GMC Trk.: 231(78-1984); Jeep: 225(66-1971); OMC: 225; StksMar: 225; ThermElec: 225 Contents: (1)MB-2434P(F) (1)MB-2491P (2)MB-2433P	MS-983P	STD,10,20 IntInd: 175; IntTrac: 157, 175, 200 Contents: (1)MB-1909P (1)MB-1912P (1)MB-2231P(F)	MS-1041P	STD,10,20,30 AMC: 290(66-1969), 304(70-70), 343(67-69), 360(70-71), 390(68-69), 401(71-75); GrayMar: 304(70-79), 360(70-78), 390(68-1970); Jeep: 304(71-72), 360(71-1973), 401(74-77); Navint: 400(73-1975) Contents: (1)MB-2578P(F) (4)MB-2579P
MS-960V	STD GMC: 181(1982-1988), 196(1978-1979), 231(1978-1989), 252(1980-1984) Contents: (1)MB-2434V(F) (1)MB-2491V (2)MB-2433V	MS-1010H	STD,1,10 Ford: 351(1970-1974) Contents: (1)MB-2561H(F) (4)MB-2560H	MS-1048AL	STD,25 Cat: 1246, 1246 Diesel Contents: (1)MB-2586AL(F) (6)MB-2585AL
MS-961P	STD,10,20,30 GMC: 300(64-1965); OMC: 300(64-1967) Contents: (1)MB-2434P(F) (1)MB-2491P (3)MB-2433P	MS-1010HK	STD,1,10 Ford: 351(71-1974) Contents: (1)MB-2561HK(F) (4)MB-2560HK	MS-1049AL	STD,25 Cat: 831 Diesel Contents: (1)MB-2586AL(F) (4)MB-2585AL
MS-963P	STD,10,20,30 Chry: 340(68-1971); ChryMar: 340 Contents: (1)MB-2036P(F) (1)MB-2559P (3)MB-2283P	MS-1010HX	STD Ford: 351(1970-1974) Contents: (1)MB-2561HX(F) (4)MB-2560HX	MS-1050P	STD,10 GMC: 122(75-76), 140(71-1977); GMC Trk.: 140(71-1975) Contents: (1)MB-2588P(F) (1)MB-2589P (3)MB-3135P
MS-963V	STD,1 Chry: 273(1964-1969), 318(1957-2002), 340(1968-1973) Contents: (1)MB-2036V(F) (1)MB-2559V (3)MB-2283V	MS-1010HXX	STD Ford: 351(71-1974) Contents: (1)MB-2561HXX(F) (4)MB-2560HXX	MS-1051P	STD,10,20,30 Chry: 360(71-1973); ChryMar: 360; DodTrk: 360(71-1973) Contents: (1)MB-2591P(F) (1)MB-2592P (3)MB-2590P
MS-963VX	STD Chry: 273(1964-1969), 318(1957-2002), 340(1968-1973) Contents: (1)MB-2036VX(F) (1)MB-2559VX (3)MB-2283VX	MS-1010P	STD,10,20,30 Ford: 351(70-1974); FordMar: 351(70-1972); FordTrk: 351(70-1974) Contents: (1)MB-2561P(F) (4)MB-2560P	MS-1052P	STD,10,20 Cum: 1710 Diesel Contents: (1)MB-2593P (1)MB-2595P (1)MB-2596P (4)MB-2594P
MS-970AL	STD,10,20 GMC: 368(80-81), 425(77-1977), 472(68-74), 500(70-76) Contents: (1)MB-2535AL (1)MB-2537AL(F) (1)MB-2538AL (2)MB-2536AL	MS-1010V	STD Ford: 351(1970-1974) Contents: (1)MB-2561V(F) (4)MB-2560V	MS-1054P-.25mm	Nis: 1595(1968-1973), 1770(1973-1974); NisTrk: 1595(1972-1973), 1770(1974-1974) Contents:
MS-972M	STD Chry: 383(1959-1960), 413(1959-1973), 426(1963-1971), 440(1966-1973) Contents: (1)MB-2544M(F) (4)MB-2543M	MS-1010VG	STD,1 Ford: 351(1970-1974) Contents: (1)MB-2561VG(F) (4)MB-2560VG	MS-1055G	STD Nis: 1189(61-66), 1299(65-1969); NisTrk: 1299(68-1969) Contents: (3)MB-602G
MS-974P	STD,10 GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-2548P(F) (4)MB-2547P	MS-1037AL	STD,10,20 MasFer: 107 Diesel; Perk: 99 Diesel, 107 Diesel, 108 Diesel Contents: (3)MB-2573AL	MS-1056G-.25mm	Toy: 1490(64-1970); ToyInd: 1490(64-1970) Contents:
MS-977AL	STD,10,20,30 FordInd: 401 Diesel; FordTrac: 401 Diesel; New Holland Ford: 401 Diesel Contents: (1)MB-2447AL(F) (6)MB-2446AL	MS-1038H	STD,1,10,11,19,20,21,9 GMC: 400(1970-1980) Contents: (1)MB-2563H(F) (4)MB-2562H	MS-1057P	STD Toy: 1077(68-69), 1166(69-69), 1290(81-1982) Contents: (5)MB-610P
MS-979P	STD,1,10,20,30,40,C60 Ford: 240(65-66), 250(69-1973); FordInd: 240(66-74), 300(66-1993); FordMar: 240(80-80), 250(69-79), 300(80-80); FordTrk: 240(66-66), 250(69-74), 300(66-1966); OscoMar: 300 Contents: (1)MB-2554P(F) (6)MB-2553P	MS-1038HG	STD GMC: 400(1970-1980) Contents: (1)MB-2563HG(F) (4)MB-2562HG	MS-1058AL	STD,25 Cat: 1964, 1964 Diesel Contents: (5)MB-2597AL
MS-981P	STD,1,10,20,30,40 CommMar: 351; DearbMar: 351; Ford: 351(69-76), 400(71-1976); FordInd: 351(69-1976); FordMar: 351; FordTrk: 351(69-1976), 400(72-76); GlasMar: 351; HolMdyMar: 351; IndMar: 351; MercMar: 351; OMC: 351; OscoMar: 351; PalMar: 351; PleasCft: 351 Contents: (1)MB-2558P(F) (4)MB-2557P	MS-1038HK	STD,1,10 GMC: 400(1970-1980) Contents: (1)MB-2563HK(F) (4)MB-2562H	MS-1059AL	STD,25 Cat: 2946, 2946 Diesel Contents: (7)MB-2597AL
		MS-1038HXX	STD GMC: 400(1970-1980) Contents: (1)MB-2563HXX(F) (4)MB-2562HXX	MS-1060P	STD,10,20,30 Cum: 352 Diesel, 378 Diesel Contents: (1)MB-2598W (2)MB-2598P (2)MB-2599P
		MS-1038HXX	STD GMC: 400(1970-1980) Contents: (1)MB-2563HXX(F) (4)MB-2562HXX	MS-1061P	STD,10,20,30 Alc: 555 Diesel; Cum: 470 Diesel, 504 Diesel, 555 Diesel; FordTrac: 555 Diesel Contents: (1)MB-2598W (2)MB-2598P (3)MB-2599P
		MS-1038P	STD,1,10,20,30 Avanti: 400(1973-1976); GMC: 400(70-1976); GMC Trk.: 400(74-1976) Contents: (1)MB-2563P(F) (4)MB-2562P	MS-1062AL	STD,25 Cat: 1473, 1473 Diesel Contents: (1)MB-2600AL (1)MB-2602AL (1)MB-2603AL(F) (4)MB-2601AL
		MS-1038V	STD,10 GMC: 400(1970-1980) Contents: (1)MB-2563V(F) (4)MB-2562V	MS-1069AL	STD,25 Cat: 3928, 3928 Diesel Contents: (9)MB-2597AL
		MS-1039P	STD,1,10,20,30,40 CommMar: 460; Ford: 429(68-1973), 460(68-76); FordInd: 370(79-91), 429(79-93), 460(73-1993); FordMar: 429(68-1968), 460(68-78); FordTrk: 370(79-83), 429(70-73), 460(73-1976); HardMar: 460; HolMdyMar: 460(68-1978); JacMar: 460(68-1978); PanJ Contents: (1)MB-2565P(F) (4)MB-2564P		
		MS-1039V	STD,10 Ford: 370(1979-1991), 429(1968-1998), 460(1968-1998) Contents: (1)MB-2565V(F) (4)MB-2564V		



NUMERICAL LISTING OF CLEVITE MAIN BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-1084P	STD,.25mm,.50mm,.75mm Ford: 122(71-1974), 1593(70-82), 1993(70-76) Contents: (5)MB-409P	MS-1207AL	STD Perk: 510 Diesel, 540 Diesel, 605 Diesel Contents: (2)MB-757AL (3)MB-756AL	MS-1343P	STD,10,20,30 IntInd: 414 Diesel, 466 Diesel; IntTrac: 414 Diesel, 436 Diesel, 466 Diesel; NavInt: 466 Diesel(75-1977) Contents: (1)MB-2629P(F) (6)MB-2628P
MS-1103G	STD,.25mm ToyTrk: 3878(69-1971) Contents: (1)MB-619G (1)MB-620G (1)MB-621G(F) (1)MB-622G	MS-1265P	STD,10,20,30 Cumm: 903 Diesel; FordTrac: 903 Diesel; MasFer: 903 Diesel Contents: (1)MB-2621W (5)MB-2621P	MS-1344P	STD,10,20,30 Chry: 318(74-1989); ChryInd: 318; ChryMar: 318; DodTrk: 318(74-1977); Jeep: 318(93-1998); StksMar: 318 Contents: (1)MB-2559P (1)MB-2620P(F) (3)MB-2283P
MS-1104G	STD,.50mm Toy: 2253(68-71), 2563(71-1972), 2759(81-83) Contents: (7)MB-627G	MS-1266H	STD Chry: 360(74-2002) Contents: (1)MB-2623H(F) (1)MB-2624H (3)MB-2622H	MS-1344V	STD,1 Chry: 318(1974-2002) Contents: (1)MB-2559V (1)MB-2620V(F) (3)MB-2283V
MS-1106P	STD,.25mm,.50mm,.75mm Nis: 2393(70-73), 2565(74-1974), 2753(75-81), 2793 Diesel(81-81) Contents: (1)MB-633P(F) (2)MB-631P (4)MB-632P	MS-1266HG	STD,1,10,11,9 Chry: 360(71-2002) Contents: (1)MB-2623H(F) (1)MB-2624H (3)MB-2622H	MS-1344VX	STD Chry: 318(1974-2002) Contents: (1)MB-2559VX (1)MB-2620VX(F) (3)MB-2283VX
MS-1107P	STD,.25mm,.75mm Nis: 1171(71-1973), 1237(80-82), 1288(73-74), 1397(75-82), 1488(79-82) Contents: (1)MB-636P(F) (2)MB-634P (2)MB-635P	MS-1266HGX	STD Chry: 360(71-2002) Contents: (1)MB-2623HX(F) (1)MB-2624HX (3)MB-2622HX	MS-1381AL	STD,.25mm,.50mm Ren: 1289(76-79), 1397(80-1986) Contents: (5)MB-2664AL
MS-1108P	STD,.25mm Nis: 1982(68-1970); NisInd: 1982(67-1992) Contents: (1)MB-639P(F) (2)MB-637P (2)MB-638P	MS-1266HX	STD Chry: 360(74-2002) Contents: (1)MB-2624HX (1)MB-2623HX(F) (3)MB-2622H	MS-1385P	STD,10,20,30 DetD: 426 Diesel(79-88), 552 Diesel(79-86); GMC Trk.: 552 Diesel(80-1981); Kenw: 552 Diesel(1982-1986) Contents: (1)MB-2523W (4)MB-2687P
MS-1110H	STD,1,10 GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-2651C (4)MB-2650H	MS-1266P	STD,10,20,30 Chry: 360(74-1979); ChryMar: 360; DodTrk: 360(74-1987); Jeep: 360(98-1998) Contents: (1)MB-2623P(F) (1)MB-2624P (3)MB-2622P	MS-1386P	STD,10,20,30 Clark: 568 Diesel; DetD: 568 Diesel, 736 Diesel; MasFer: 568 Diesel; MilStd: 568 Diesel Contents: (1)MB-2523W (5)MB-2687P
MS-1110HX	STD GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998) Contents: (1)MB-2651C (4)MB-2650HX	MS-1277HG	STD,10 Chry: 413(1974-1977), 440(1974-1980) Contents: (1)MB-2625HG(F) (4)MB-2067HG	MS-1388P	STD,10 IntInd: 573 Diesel; IntTrac: 573 Diesel, 798 Diesel; NavInt: 573 Diesel(68-71), 798 Diesel(75-1979) Contents: (1)MB-2691P(F) (4)MB-2690P
MS-1111P	STD,10,20 MilStd: 142 Contents: (1)MB-2653P(F) (2)MB-2652P	MS-1277P	STD,10,20 Chry: 440(74-1974); ChryInd: 413, 440; ChryMar: 413, 440; DodTrk: 413(74-76), 440(74-1974) Contents: (1)MB-2625P(F) (4)MB-2067P	MS-1389AL	STD,10,20,30,40 Ford: 200(75-1979); FordInd: 200(75-1983); FordMar: 200(75-1983); IntcptMar: 200(75-1983) Contents: (1)MB-2693AL(F) (6)MB-2692AL
MS-1113AL	STD,10,20,30,50 Cat: 425, 350 Diesel, 425 Diesel Contents: (5)MB-2580AL	MS-1298G	STD,.25mm,.50mm,.75mm,1.00mm GMC Trk.: 119(82-1985), 1817(72-82); Isu: 1817(81-84), 1949(83-1985); IsuTrk: 1817(81-82), 1949(83-1985); Opel: 1817(76-1979) Contents: (2)MB-975G (3)MB-974G	MS-1394AL	STD Peug: 2664(77-1978), 2849(79-81); Vol: 163(76-1979), 174(80-81) Contents: (4)MB-2700AL
MS-1114AL	STD,10,20,30,50 Cat: 525, 638, 525 Diesel, 638 Diesel Contents: (7)MB-2580AL	MS-1307P	STD Maz: 988(67-83), 1169(71-1972); MazTrk: 1169(68-1974) Contents: (2)MB-1043P (3)MB-1042P	MS-1415P	STD,10,20 GMC: 265(80-81), 301(77-1979) Contents: (1)MB-1891P (1)MB-2449P(F) (3)MB-2448P
MS-1117P	STD,.026mm,.25mm,.50mm,.75mm Ford: 140(74-1983); FordInd: 140(77-1989); FordTrk: 121(83-88), 140(77-1982) Contents: (1)MB-2613P(F) (4)MB-2612P	MS-1327P	STD,.25mm,.50mm NisInd: 1138(66-1978) Contents: (1)MB-1247P (2)MB-1246P	MS-1419AL	STD,10,20,30 Chry: 225(76-1982); ChryInd: 225(76-1987); ChryMar: 170, 198, 225; DodTrk: 225(76-1980) Contents: (1)MB-2732AL(F) (3)MB-2731AL
MS-1145AL	STD Fiat: 1585(75-76), 1592(73-74), 1756(74-78), 1995(79-1980); Pininfarina: 1995(83-1987) Contents: (1)MB-673AL (4)MB-672AL	MS-1329P	STD,.25mm,.50mm,.75mm NisTrk: 1299(70-1972) Contents: (3)MB-1269P	MS-1420P	STD,10,20,30 Cat: 636 Diesel; MasFer: 636 Diesel Contents: (1)MB-2733P (1)MB-2735P(F) (3)MB-2734P
MS-1156P	STD Mack: 335 Diesel, 377 Diesel Contents: (7)MB-691P	MS-1332P	STD,.25mm NavInt: 198 Diesel(76-1979); NisInd: 3246 Diesel(66-1990); NisMar: 3246 Diesel Contents: (4)MB-642P	MS-1421P	STD,10,20,30 Cat: 522 Diesel, 573 Diesel, 636 Diesel; FordTrk: 522 Diesel(68-1969), 573 Diesel(68-75), 636 Diesel(70-76); MasFer: 573 Diesel, 636 Diesel Contents: (1)MB-2735P(F) (4)MB-2734P
MS-1197P	STD,.25mm,.50mm IntTrac: 155 Diesel, 179 Diesel Contents: (1)MB-742P(F) (3)MB-741P	MS-1342P	STD,10,20,30 IntInd: 312 Diesel, 360 Diesel; IntTrac: 312 Diesel, 360 Diesel; NavInt: 360 Diesel(90-1993) Contents: (1)MB-2627P(F) (6)MB-2626P	MS-1422P	STD,10,20,30 Cat: 636 Diesel; MasFer: 636 Diesel Contents: (1)MB-2735P(F) (1)MB-2736P (3)MB-2734P
MS-1198P	STD,.25mm,.50mm IntTrac: 206, 239 Diesel Contents: (1)MB-742P(F) (4)MB-741P	MS-1343H	STD,10 IntTrac: 466 Diesel Contents: (1)MB-2629H(F) (6)MB-2628H		
MS-1199P	STD,.25mm,.50mm IntTrac: 310 Diesel, 358 Diesel Contents: (1)MB-742P(F) (6)MB-741P				



NUMERICAL LISTING OF CLEVITE MAIN BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-1423P	STD,10,20,30 Oliver: 155; Wauk: 155, 155 Diesel	MS-1435AL	STD,10,20 FordTrac: 363 Diesel(65-90), 380 Diesel(69-1990), 5638 Diesel(65-90), 5974 Diesel(65-90)	MS-1496P	STD,10,20,30 Case: 504 Diesel
Contents: (1)MB-1786P(F) (2)MB-2610P		Contents: (2)MB-2665AL (5)MB-2500AL		Contents: (1)MB-2804W (3)MB-2805P (4)MB-2804P	
MS-1424AL	STD,.25mm,.50mm GMC: 85(76-1977), 98(76-81)	MS-1453AL	STD,10 Deere: 531 Diesel	MS-1497P	STD,10,20,30 Case: 251, 284, 301, 251 Diesel, 267 Diesel, 301 Diesel, 336 Diesel
Contents: (1)MB-2738AL(F) (4)MB-2737AL		Contents: (1)MB-2757AL(F) (6)MB-2756AL		Contents: (2)MB-2105P (3)MB-2810P	
MS-1427AL	STD,.25mm,.50mm FordTrk: 110(72-78), 122(79-1982); Maz: 1586(70-1977), 1796(72-73), 1970(79-82); MazTrk: 1586(72-76), 1796(77-78), 1970(79-1979)	MS-1454A-10	Checker: 229(80-1982); ChrisCft: 262; GMC: 200(78-79), 229(80-1981), 262(85-85); GMC Trk.: 200(78-79), 229(80-84), 262(85-2005); HardMar: 262; IsuTrk: 262(97-1999); MercMar: 229, 262; OMC: 229, 262; ThermElec: 262; Workhorse: 262(00-2003);	MS-1498P	STD,10,20,30 Case: 377, 377 Diesel, 401 Diesel, 451 Diesel
Contents: (1)MB-1073AL (1)MB-2745AL (3)MB-1072AL		Contents: (1)MB-2509A(F) (3)MB-2508A		Contents: (3)MB-2105P (4)MB-2810P	
MS-1428P	STD,.25mm,.50mm,.75mm Toy: 2189(75-80), 2366(81-1981); ToyTrk: 2189(75-80), 2366(81-1981)	MS-1454P	STD,1,10,20,30,40 Checker: 229(80-1982); ChrisCft: 262; GMC: 200(78-79), 229(80-1981), 262(85-86); GMC Trk.: 200(78-79), 229(80-84), 262(85-1986); HardMar: 262; IsuTrk: 262(97-2000); MercMar: 229, 262; OMC: 229, 262; ThermElec: 262; Workhorse: 262(00-2003);	MS-1499P-.25mm	ToyTrk: 2977 Diesel(72-83), 3168 Diesel(77-82), 3431 Diesel(80-1984)
Contents: (1)MB-2746P (4)MB-615P		Contents: (1)MB-2509P(F) (3)MB-2508P		Contents:	
MS-1429G	STD,.25mm,.50mm,.75mm, 1.00mm ToyTrk: 3878(72-75), 4230(75-1985)	MS-1455AL	STD,10,20,30 Ford: 1599(78-1980); FordInd: 98(78-1982)	MS-1500AL	STD,10 Onan: 50
Contents: (1)MB-2747G (1)MB-2748G (1)MB-2749G(F) (1)MB-2750G		Contents: (2)MB-2758AL (3)MB-2759AL		Contents: (2)MB-2528W	
MS-1430P	STD,.50mm,.75mm Chry: 122(74-1977), 156(78-78); DodTrk: 143 Diesel(83-1985); FordTrk: 140 Diesel(85-1987); MitsTrk: 2346 Diesel(83-1985)	MS-1456P	STD,.25mm,.50mm Toy: 1588(72-1974), 1770(80-82)	MS-1509P	STD,.25mm,.50mm,.75mm MazInd: 1985(71-1979)
Contents: (1)MB-2752P(F) (4)MB-2751P		Contents: (5)MB-623P		Contents: (1)MB-2825P (1)MB-2826P(F) (1)MB-2827P	
MS-1431P	STD,.25mm,.50mm Hon: 1169(73-73), 1237(74-79), 1335(80-83), 1342(84-1986), 1488(75-82), 1599(76-78), 1602(82-83), 1751(79-83)	MS-1457P	STD,10,20 GMC: 340(66-67), 350(68-1975); Jeep: 350(68-1971)	MS-1523P	STD,1,10 GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998)
Contents: (5)MB-2753P		Contents: (1)MB-2449P(F) (1)MB-2484P (1)MB-2760P (2)MB-2448P		Contents: (1)MB-2548P(F) (4)MB-2853P	
MS-1432A-10	CommMar: 351; DearbMar: 351; Ford: 351(77-79), 400(77-1979); FordInd: 351(77-1993); FordMar: 351; FordTrk: 351(77-82), 400(77-1982); GlasMar: 351; HolMdyMar: 351; IndMar: 351; MercMar: 351; OMC: 351; OscoMar: 351; PalMar: 351; PleasCft: 351	MS-1458G	STD Maz: 1272(76-1977); MazTrk: 1272(76-1977)	MS-1525P	STD,10,20 DetD: 212 Diesel
Contents: (1)MB-2558A(F) (4)MB-2754A		Contents: (2)MB-2962G (3)MB-2761G		Contents: (1)MB-2522W (5)MB-2857P	
MS-1432H	STD,1,10,11,9 Ford: 351(1977-1998), 400(1977-1982)	MS-1459AL	STD,10,20,30 Deere: 303 Diesel, 329 Diesel, 359 Diesel, 414 Diesel	MS-1526P	STD,10,20 Deere: 201, 227
Contents: (1)MB-2558H(F) (4)MB-2754H		Contents: (1)MB-2455AL(F) (6)MB-2454AL		Contents: (1)MB-2859P (2)MB-2858P	
MS-1432HK	STD,1,10 Ford: 351(1977-1998), 400(1977-1982)	MS-1460P	STD,10 NavInt: 404(75-81), 446(75-1981); PalMar: 404(75-1982)	MS-1527P	STD,10,20,30 Deere: 254 Diesel, 270 Diesel
Contents: (1)MB-2558H(F) (4)MB-2754H		Contents: (1)MB-2764P(F) (4)MB-2763P		Contents: (1)MB-2859P (4)MB-2858P	
MS-1432HX	STD Ford: 351(1977-1998), 400(1977-1982)	MS-1480AL	STD,10,20 FordTrac: 242 Diesel(65-69), 254 Diesel(69-1990), 3759 Diesel(65-69)	MS-1528P	STD,10,20,30 Deere: 301, 341, 362
Contents: (1)MB-2558HX(F) (4)MB-2754HX		Contents: (2)MB-2665AL (3)MB-2500AL		Contents: (1)MB-2859P (3)MB-2858P	
MS-1432HXX	STD Ford: 351(1977-1998), 400(1977-1982)	MS-1490P	STD Vol: 145 Diesel(81-1985)	MS-1529P	STD,10,20,30 Deere: 381 Diesel, 404 Diesel, 466 Diesel; FMC: 466 Diesel; Komler: 466 Diesel; RosBrwn: 466 Diesel; SullCorp: 466 Diesel
Contents: (1)MB-2558HX(F) (4)MB-2754HX		Contents: (1)MB-2662P(F) (6)MB-2661P		Contents: (1)MB-2859P (6)MB-2858P	
MS-1432P	STD,1,10,20,30,40 CommMar: 351; DearbMar: 351; Ford: 351(77-1989), 400(77-78); FordInd: 351(77-1993); FordMar: 351; FordTrk: 351(77-1998), 400(77-82); GlasMar: 351; HolMdyMar: 351; IndMar: 351; MercMar: 351; OMC: 351; OscoMar: 351; PalMar: 351; PleasCft: 351	MS-1494P	STD,.25mm,.50mm,.75mm, 1.00mm GMC: 173(80-1980); GMC Trk.: 173(82-1985); Jeep: 173(84-1984)	MS-1530P	STD,10 Alc: 779, 844 Diesel
Contents: (1)MB2558P(F) (4)MB-2754P		Contents: (1)MB-2806P (1)MB-2807P (1)MB-2808P(F) (1)MB-2809P		Contents: (1)MB-2314P (2)MB-2312P (4)MB-2313P	
MS-1434P-.25mm	Audi: 2144(81-83), 2226(95-1988), 2309(91-88), 1986 Diesel(79-85); VW: 2144(84-83), 2226(85-1988)	MS-1495P	STD,10,20,30 Case: 336 Diesel	MS-1531P	STD,10,20 Cum: 448 Diesel, 495 Diesel
Contents: (1)MB-2662P(F) (5)MB-2661P		Contents: (1)MB-2804W (2)MB-2805P (3)MB-2804P		Contents: (1)MB-2862P (2)MB-2860P (2)MB-2861P	
				MS-1533P	STD,.026mm,.25mm,.50mm, .75mm Chry: 135(81-90), 153(86-1992); DodTrk: 135(82-88), 153(87-1990)
				Contents: (1)MB-2864P(F) (4)MB-2863P	
				MS-1537AL	STD MBenz: 2399 Diesel(79-1983)
				Contents: (1)MB-2776AL (4)MB-19AL	



NUMERICAL LISTING OF CLEVITE MAIN BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-1548AL	STD,10 MasFer: 354 Diesel; Perk: 354 Diesel, 372 Diesel; StksMar: 354 Diesel; WhiFarm: 354 Diesel Contents: (1)MB-2790AL (6)MB-2789AL	MS-1603AL	STD AMC: 1965(87-1987); Ren: 105(85-1986), 1965(87-87) Contents: (5)MB-2947AL	MS-1640P	STD MazTrk: 2977 Diesel(77-90), 3455 Diesel(84-1990) Contents: (5)MB-3004P
MS-1557P	STD,.25mm,.50mm,.75mm Ford: 98(81-1984) Contents: (1)MB-2866P(F) (4)MB-2865P	MS-1618P	STD,.25mm,.50mm Hon: 1598(83-90), 1829(83-87), 1955(85-1986) Contents: (5)MB-2966P	MS-1642H	STD,10 IntTrac: 466 Diesel Contents: (1)MB2629H(F) (6)MB3009H
MS-1560AL	STD,.25mm,.50mm Maz: 1272(78-78), 1415(79-80), 1490(81-1985); MazTrk: 1272(78-1978) Contents: (5)MB-2870AL	MS-1619P	STD,10,20 Alc: 516 Diesel; Buda: 516 Diesel Contents: (1)MB-2096W (1)MB-2300P (5)MB-2967P	MS-1642P	STD,10,20,30 IntTrac: 466 Diesel; NavInt: 466 Diesel(84-1993) Contents: (1)MB-2629P(F) (6)MB-3009P
MS-1564P	STD,10 GMC: 400(1970-1980) Contents: (1)MB-2878C (4)MB-2604P	MS-1620P	STD,10,20 Alc: 200 Diesel Contents: (1)MB-2970P(F) (1)MB-2971P (3)MB-2969P	MS-1643P	STD,10,20,30 GMC: 151(85-1989) Contents: (1)MB-3011P(F) (4)MB-3135P
MS-1565P	STD,.25mm Nis: 1597(87-87), 1809(84-1989), 1974(82-88), 1680 Diesel(83-86) Contents: (1)MB-2880P(F) (4)MB-2879P	MS-1621P	STD,10,20 Alc: 301 Diesel Contents: (1)MB-2970P(F) (1)MB-2971P (5)MB-2969P	MS-1659P	STD,.25mm,.50mm Audi: 1471(73-74), 1588(75-1980), 1715(81-84), 1780(84-84), 1984(88-89), 1588 Diesel(82-83); Chry: 105(78-1980); DodTrk: 105(82-1983); VW: 1457(78-80), 1471(74-75), 1588(76-80), 1715(81-84), 1780(83-1992), 1984(90-92), 1471 Diesel(77-80), 1 Contents: (1)MB-693AL(F) (4)MB-692AL
MS-1566P	STD,10,20 DetD: 500 Diesel Contents: (1)MB-2882P(F) (4)MB-2881P	MS-1622P	STD,10 Alc: 200, 200 Diesel Contents: (1)MB-2971P (1)MB-2973P(F) (3)MB-2972P	MS-1668P	STD,.25mm Chry: 86(79-1981), 92(85-91); Eagle: 92(89-1992); Hyun: 1468(86-1992); Mits: 1468(85-1990) Contents: (1)MB-3050P(F) (4)MB-3049P
MS-1567P	STD,10,20,30 GMC: 121(83-1986); GMC Trk.: 121(83-1984) Contents: (1)MB-2856P (1)MB-2883P(F) (3)MB-2854P	MS-1623P	STD,10 Alc: 265, 301, 301 Diesel Contents: (1)MB-2971P (1)MB-2973P(F) (5)MB-2972P	MS-1669P	STD GMC: 111 Diesel(81-1986); Isu: 1817 Diesel(81-1984) Contents: (1)MB-3052P (4)MB-3051P
MS-1568P	STD,10,20,30,40 AMC: 150(83-1986); Eagle: 150(88-1988); Jeep: 150(83-1988) Contents: (1)MB-2264P(F) (4)MB-2263P	MS-1624P	STD,.25mm Deere: 619 Diesel Contents: (1)MB-2975P (6)MB-2974P	MS-1670P	STD,10 GMC: 140(60-61), 145(61-62), 164(64-1966); GMC Trk.: 145(61-1963); MilStd: 145 Contents: (1)MB-2004G(F) (1)MB-2111P (2)MB-2005P
MS-1569P	STD NisTrk: 3956(79-1980) Contents: (1)MB-2884P(F) (1)MB-84G (1)MB-85G (4)MB-83G	MS-1625P	STD,10,20 Cumm: 1150 Diesel Contents: (1)MB-2977W (2)MB-2976P (5)MB-2977P	MS-1680P	STD,10 Herc: 130, 149, 169, 130 Diesel, 149 Diesel, 169 Diesel Contents: (1)MB-2092P(F) (3)MB-2185P
MS-1571AL	STD,.25mm,.50mm,.75mm Sub: 1781(80-1984); SubTrk: 1781(81-1984) Contents: (1)MB-2890AL(F) (2)MB-2889AL	MS-1626P-10	Avanti: 305(1981-1988), 327(68-68), 350(70-80); Checker: 267(80-82), 305(78-81), 307(68-68), 327(68-69), 350(69-1979); ChrisCft: 302, 305, 307, 327, 350; FlagMar: 305, 307, 327, 350; GMC: 262(75-76), 265(94-94), 267(79-81), 302(68-69), 305 Contents: (1)MB-2981P(F) (4)MB-2508P	MS-1681P	STD,10 Coshtt: 198; Herc: 173, 198, 226, 173 Diesel, 198 Diesel, 226 Diesel; Oliver: 198 Contents: (1)MB-2092P(F) (4)MB-2185P
MS-1579P	STD MbTrk: 5675 Diesel(71-1976) Contents:	MS-1627P	STD,10,30 Clark: 69, 91; Cont: 69, 91, 112; MasFer: 91 Contents: (1)MB-1651P (1)MB-1652P (1)MB-2982P(F)	MS-1683P-20	Avanti: 305(1981-1988), 327(68-68), 350(70-80); Checker: 267(80-82), 305(78-81), 307(68-68), 327(68-69), 350(69-1979); ChrisCft: 302, 305, 307, 327, 350; FlagMar: 305, 307, 327, 350; GMC: 262(75-76), 265(94-94), 267(79-81), 302(68-69), 305 Contents: (1)MB-3060P(F) (4)MB-2508P
MS-1590P	STD,.25mm,.50mm,.75mm Toy: 2366(82-1982); ToyTrk: 2366(82-1988) Contents: (5)MB-2925P	MS-1628P-10	Checker: 229(80-1982); ChrisCft: 262; GMC: 200(78-79), 229(80-1981), 262(85-86); GMC Trk.: 200(78-79), 229(80-84), 262(85-1986); HardMar: 262; IsuTrk: 262(97-2000); MercMar: 229, 262; OMC: 229, 262; ThermElec: 262; Workhorse: 262(00-2003); Contents: (1)MB-2981P(F) (3)MB-2508P	MS-1684P-20	Checker: 229(80-1982); ChrisCft: 262; GMC: 200(78-79), 229(80-1981), 262(85-86); GMC Trk.: 200(78-79), 229(80-84), 262(85-1986); HardMar: 262; IsuTrk: 262(97-2000); MercMar: 229, 262; OMC: 229, 262; ThermElec: 262; Workhorse: 262(00-2003); Contents: (1)MB-3060P(F) (3)MB-2508P
MS-1592P	STD,20 Cat: 522 Diesel, 573 Diesel, 636 Diesel; FordTrk: 522 Diesel(68-1969), 573 Diesel(68-75), 636 Diesel(70-76); MasFer: 573 Diesel, 636 Diesel Contents: (1)MB-2930P(F) (4)MB-2929P	MS-1629AL	STD,10,20,30,40 Ford: 140(84-1987), 153(86-86) Contents: (1)MB-2693AL(F) (1)MB-2986AL (3)MB-2692AL	MS-1687P	STD,10,20,30,40 Cumm: 743, 855, 464 Diesel, 672 Diesel, 743 Diesel, 855 Diesel, 927 Diesel Contents: (1)MB-2862P (3)MB-2860P (3)MB-2861P
MS-1593P	STD,20 Cat: 636 Diesel; MasFer: 636 Diesel Contents: (1)MB-2927P (1)MB-2930P(F) (3)MB-2929P	MS-1632P	STD,10,20 Alc: 344 Diesel; Buda: 344 Diesel Contents: (1)MB-2096W (1)MB-2300P (3)MB-2967P		
MS-1594P	STD,20 Cat: 636 Diesel; MasFer: 636 Diesel Contents: (1)MB-2928P (1)MB-2930P(F) (3)MB-2929P	MS-1639AL-.25mm	Maz: 1998(83-1987); MazTrk: 1998(86-87), 2184(87-1987) Contents: (1)MB-300AL(F) (4)MB-2999AL		
MS-1596P	STD,10,20,30,40 FordTrk: 420 Diesel(83-84), 444 Diesel(88-1994); NavInt: 420 Diesel(80-81), 444 Diesel(88-1995) Contents: (1)MB-2935P(F) (4)MB-2934P				



NUMERICAL LISTING OF CLEVITE MAIN BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-1688P-10 ChrisCft: 225; GMC: 181(82-88), 196(78-79), 204(89-1989), 225(64-65), 231(75-87), 252(80-84); GMC Trk.: 231(78-1984); Jeep: 225(66-1971); OMC: 225; StksMar: 225; ThermElec: 225 Contents: (1)MB-2491P (1)MB-3063P(F) (2)MB-2433P		MS-1715AL STD.,25mm,.50mm,.75mm ToyTrk: 1998(84-85), 2237(86-1990) Contents: (5)MB-3207AL		MS-1746P-10 CommMar: 302; DearbMar: 289, 302; Ford: 221(62-63), 255(80-82), 260(62-64), 289(63-1967), 302(68-74); FordMar: 221, 260, 289, 302; FordTrk: 255(81-82), 260(64-64), 289(65-68), 302(68-1995); GlasMar: 302; HolMdyMar: 302; IntcptMar: 221(62-63) Contents: (1)MB-3124P(F) (4)MB-2121P	
MS-1692P STD,10,20,30 Ford: 171(74-1979), 2551(74-76) Contents: (1)MB-2350W(U) (4)MB-2350P		MS-1716P STD.,25mm,.50mm,.75mm Cum: 611 Diesel, 661 Diesel Contents: (1)MB-3078W (7)MB-3077P		MS-1747P-10 ChrisCft: 225; GMC: 181(82-88), 196(78-79), 204(89-1989), 225(64-65), 231(75-87), 252(80-84); GMC Trk.: 231(78-1984); Jeep: 225(66-1971); OMC: 225; StksMar: 225; ThermElec: 225 Contents: (1)MB-2491P (1)MB-3125P(F) (2)MB-2433P	
MS-1698P-20 Oliver: 155; Wauk: 155, 155 Diesel Contents: (1)MB-3096P(F) (2)MB-2610P		MS-1717P STD.,25mm,.50mm,.75mm Case: 359 Diesel; Cum: 359 Diesel; DodTrk: 359 Diesel(89-1993) Contents: (1)MB-3109P(F) (6)MB-3110P		MS-1748P-10 ChrisCft: 454; FlagMar: 427, 454; GMC: 396(65-68), 402(70-72), 427(66-69), 454(70-1976); GMC Trk.: 366(66-98), 396(66-69), 402(70-72), 427(66-90), 454(70-1995); GMCMar: 427(90-95), 502(90-95); HardMar: 454; IndMar: 454; MarPow: 454; MercMar Contents: (1)MB-2404P(F) (4)MB-3123P	
MS-1699P STD,10 Wauk: 3560 Diesel Contents: (1)MB-3075P(F) (4)MB-3076P		MS-1718P STD.,25mm,.50mm,.75mm Case: 239 Diesel; Cum: 239 Diesel Contents: (1)MB-3109P(F) (4)MB-3110P		MS-1752P STD.,25mm,.50mm GMC Trk.: 3856 Diesel(87-1991); IsuTrk: 3856 Diesel(85-1999) Contents: (1)MB-3149P (4)MB-3148P	
MS-1700P STD,10 Wauk: 5340 Diesel Contents: (1)MB-3075P(F) (6)MB-3076P		MS-1719P STD.,25mm,.50mm Case: 180 Diesel; Cum: 180 Diesel Contents: (1)MB-3109P(F) (2)MB-3110P		MS-1753AL-.25mm Suz: 797(77-1990), 970(82-90); SuzTrk: 970(82-1985) Contents:	
MS-1701P STD,10,20,30 DodTrk: 239(87-1991) Contents: (1)MB-2559P (1)MB-2620P(F) (2)MB-2283P		MS-1720P STD Chry: 181(88-1994); DodTrk: 181(87-2000); Hyun: 2972(89-1998); Mits: 2972(88-1999); MitsTrk: 2972(89-1996) Contents: (4)MB-3108P		MS-1773P STD.,25mm Ford: 183(89-1995), 195(93-95) Contents: (2)MB-3126P (2)MB-3127P	
MS-1702P STD.,25mm,.50mm,.75mm Ford: 183(86-2004); FordTrk: 183(86-1997); MazTrk: 183(94-2000) Contents: (1)MB-3094P(F) (1)MB-3095P (2)MB-3093P		MS-1732M STD,1,10 GMC: 366(1966-1998), 396(1965-1970), 402(1970-1972), 427(1966-1998), 454(1970-2000), 502(1966-1998) Contents: (1)MB-2404P(F) (4)MB-3111M		MS-1774P STD.,25mm,.50mm,1.00mm Toy: 2759(84-88), 2954(87-1992) Contents: (1)MB-3198P (6)MB-3199P	
MS-1703P STD.,25mm,.50mm,.75mm GMC: 138(87-1989); GMC Trk.: 138(93-1996) Contents: (1)MB-3085P(F) (4)MB-3084P		MS-1733P STD,1,10,20,30,40 AMC: 151(80-1983); ChrisCft: 181; GMC: 151(77-1983), 153(62-70), 2.0L(83-87), 2.5L(86-92), 2.7L(82-82), 3.0L(81-83), 3.3L(80-83); GMC Trk.: 151(85-91), 153(63-1965); GMCMar: 181; HardMar: 181; Jeep: 151(80-1983); MarPow: 181; MercMar: 153 Contents: (1)MB-2588P(F) (4)MB-3135P		MS-1775P STD.,25mm,.50mm,.75mm Isu: 1949(86-87), 1994(85-89), 2254(87-1989); IsuTrk: 1949(86-87), 2254(86-1987) Contents: (5)MB-3061P	
MS-1704P STD,10,20,30 GMC: 121(87-1987), 134(90-96); GMC Trk.: 134(94-1997); IsuTrk: 134(96-1997) Contents: (1)MB-2883P(F) (4)MB-2854P		MS-1740P STD.,25mm,.50mm Case: 505 Diesel; Cum: 505 Diesel Contents: (1)MB-3105P(F) (6)MB-3104P		MS-1776AL STD.,25mm,.50mm,.75mm GMC: 92(85-1988), 98(90-90); Isu: 1471(85-89), 1588(89-1990); Passpt: 1588(89-1990) Contents: (5)MB-3150AL	
MS-1705P STD.,026mm,.25mm,.50mm,.75mm GMC: 249(82-1986), 252(82-88), 273(88-92), 300(91-92) Contents: (1)MB-2960P (1)MB-2962P(F) (1)MB-3103P (2)MB-2961P		MS-1741P STD,10,20 MercMar: 224 Contents: (1)MB-3118P(F) (4)MB-3117P		MS-1777P STD.,25mm,.50mm,.75mm ToyTrk: 3956(88-92), 4230(84-1987) Contents: (1)MB-2747G (1)MB-2748G (1)MB-3195P (1)MB-3196P	
MS-1706P STD.,25mm,.50mm,.75mm Ford: 116(85-1990), 122(97-02) Contents: (1)MB-3074P(F) (4)MB-3073P		MS-1743P STD.,25mm,.50mm,.75mm Ford: 140(91-1993); FordInd: 140(89-1993); FordTrk: 140(89-1997), 153(98-01); MazTrk: 140(94-96), 153(98-1999) Contents: (1)MB-3130P(F) (4)MB-3137P		MS-1778P STD.,25mm FordTrk: 134 Diesel(83-1984); MazTrk: 2209 Diesel(82-1984) Contents: (1)MB-3171P (4)MB-3170P	
MS-1708AL STD.,25mm,.50mm GMC: 61(85-1985); Suz: 993(85-1993); SuzTrk: 993(85-1985) Contents: (4)MB-3172AL		MS-1744P-10 Avanti: 305(1981-1988), 327(68-68), 350(70-80); Checker: 267(80-82), 305(78-81), 307(68-68), 327(68-69), 350(69-1979); ChrisCft: 302, 305, 307, 327, 350; FlagMar: 305, 307, 327, 350; GMC: 262(75-76), 265(94-94), 267(79-81), 302(68-69), 305 Contents: (1)MB-3119P(F) (4)MB-2508P		MS-1779AL STD.,25mm,.50mm GMC: 79(92-1999); Suz: 1298(89-1992); SuzTrk: 1298(89-1989), 1324(86-89) Contents: (5)MB-3172AL	
MS-1710AL STD.,25mm Toy: 1839 Diesel(84-1985), 1974 Diesel(86-86) Contents: (5)MB-3193AL		MS-1745P-10 ChrisCft: 454; FlagMar: 427, 454; GMC: 396(65-68), 402(70-72), 427(66-69), 454(70-1976); GMC Trk.: 366(66-98), 396(66-69), 402(70-72), 427(66-90), 454(70-1995); GMCMar: 427(90-92), 502(90-95); HardMar: 454; IndMar: 454; MarPow: 454; MercMar Contents: (1)MB-3120P(F) (4)MB-2403P		MS-1782P STD.,25mm,.50mm,.75mm Ford: 232(89-1995) Contents: (1)MB-3138P (1)MB-3188P(F) (2)MB-3187P	
MS-1712P STD.,25mm MitsInd: 2659 Diesel(71-1991) Contents: (5)MB-3115P					
MS-1714AL STD.,25mm,.50mm Toy: 1995(83-86), 1998(86-1995), 2164(90-95); ToyTrk: 1998(96-1998) Contents: (1)MB-3201AL (4)MB-3200AL					



NUMERICAL LISTING OF CLEVITE MAIN BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-1792AL	STD,20,30 DbTrac: 219, 219 Diesel	MS-1822P	STD,10,20,30 GMC: 204(91-1993), 231(90-93); GMC Trk.: 231(92-1993)	MS-2002P	STD,10,20,30 Alc: 426 Diesel
Contents:	(3)MB-3212AL	Contents:	(1)MB-3214P(F) (1)MB-3215P (2)MB-3213P	Contents:	(1)MB-2689W (2)MB-2689P (5)MB-2688P
MS-1795M	STD,20 Chry: 426(1963-1971)	MS-1945AL	STD,.25mm,.50mm,.75mm Chry: 122(78-1978), 156(78-85); DodTrk: 122(79-80), 156(79-1980); MazTrk: 2555(87-1988); Mits: 2555(83-1989); MitsTrk: 2555(83-1984)	MS-2003P	STD,.25mm,.50mm Sub: 997(83-90), 1189(87-1992)
Contents:	(1)MB-3249M(F) (4)MB-3248M	Contents:	(1)MB-3339AL(F) (4)MB-3053AL	Contents:	(1)MB-3460P(F) (3)MB-3459P
MS-1795V	STD,10 Chry: 426(1963-1971)	MS-1946P	STD,.25mm,.50mm Chry: 201(90-1997), 230(91-93); DodTrk: 201(90-95), 230(94-2005); Eagle: 201(93-1997)	MS-2006P	STD,10,20,30 Ford: 244(05-2005); FordTrk: 177(90-92), 244(90-1997); MazTrk: 4016(91-2002)
Contents:	(1)MB-3249V(F) (4)MB-3248V	Contents:	(1)MB-3107P(F) (3)MB-3340P	Contents:	(1)MB-3467P(F) (3)MB-3202P
MS-1798P	STD IsuTrk: 5393 Diesel(80-1990), 5785 Diesel(80-90), 6130 Diesel(80-90)	MS-1947P	STD,10,20,30 Jeep: 242(91-1992)	MS-2007H	STD,.026mm,.25mm Ford: 281(1991-2004)
Contents:	(7)MB-3149P	Contents:	(1)MB-3338P(F) (6)MB-3337P	Contents:	(1)MB-3139W (4)MB-3139H
MS-1799P	STD,.25mm,.50mm,.75mm IsuTrk: 2499 Diesel(85-1990)	MS-1948P	STD,10,20,30 DodTrk: 150(96-1996); Jeep: 150(91-1995)	MS-2007HK	STD,.026mm,.25mm Ford: 281(91-2004)
Contents:	(5)MB-3160P	Contents:	(1)MB-3338P(F) (4)MB-3337P	Contents:	(1)MB-3139W (4)MB-3139HX
MS-1801AL	STD,.25mm,.50mm GMC: 98(88-1988)	MS-1949P	STD,.25mm,.50mm Nis: 2389(89-1998); NisTrk: 2389(89-1999)	MS-2007HX	STD Ford: 281(1991-2004)
Contents:	(1)MB-3167AL(F) (4)MB-3166AL	Contents:	(1)MB-3342P(F) (4)MB-3341P	Contents:	(1)MB-3139W (4)MB-3139HXX
MS-1802AL	STD,.25mm,.50mm,.75mm Ford: 81(88-97), 98(87-1994), 112(91-96); Kia: 1597(94-1995), 1839(95-97); Maz: 1489(95-98), 1597(86-93), 1839(90-1990)	MS-1950P	STD,.25mm,.50mm Nis: 1597(89-1995)	MS-2007P	STD,.25mm,.50mm,.75mm Ford: 281(93-1997); FordTrk: 281(97-1999)
Contents:	(5)MB-3173AL	Contents:	(5)MB-3343P	Contents:	(1)MB-3140P(F) (4)MB-3139P
MS-1803AL	STD,.25mm,.50mm,.75mm Ford: 134(89-1992); KiaTrk: 1998(95-2002); Maz: 1998(87-87), 2184(88-1990); MazTrk: 1998(87-87), 2184(87-1993)	MS-1951P	STD,.25mm,.50mm FordTrk: 2960(93-98), 3275(99-2002); Inf: 2960(90-1992); InfTrk: 3275(97-1998); Nis: 2960(84-1996); NisTrk: 2960(86-95), 3275(96-2000)	MS-2008P	STD Mack: 335 Diesel, 377 Diesel
Contents:	(1)MB-3175AL(F) (4)MB-3174AL	Contents:	(1)MB-3344P (1)MB-3346P(F) (2)MB-3345P	Contents:	(7)MB-3470P
MS-1804P	STD,.25mm,.50mm Acura: 1590(86-2000); Hon: 1590(88-88), 1958(88-1991), 2056(90-91), 2157(98-01)	MS-1952P	STD,.25mm,.50mm Maz: 2954(88-1994); MazTrk: 2954(89-1997)	MS-2009P	STD,.25mm,.50mm Sat: 116(91-2000)
Contents:	(5)MB-3176P	Contents:	(4)MB-3347P	Contents:	(1)MB-3469P(F) (4)MB-3468P
MS-1805P	STD Acura: 2494(86-87), 2675(87-1988); Sterl: 2494(87-88), 2675(88-1990)	MS-1953AL	STD,.25mm,.50mm Toy: 1456(87-1988), 1497(92-98)	MS-2010P	STD,.25mm,.50mm,.75mm Chry: 215(93-1997); DodTrk: 215(04-2006); Eagle: 215(93-1997)
Contents:	(4)MB-3177P	Contents:	(5)MB-3348AL	Contents:	(1)MB-3471P(F) (3)MB-3340P
MS-1806AL	STD,.25mm,.50mm Hon: 1342(84-86), 1488(87-87), 1493(88-1991)	MS-1954P	STD,.25mm,.50mm Lex: 2507(90-91), 2959(92-1993); Toy: 1992(87-95), 2496(88-95), 2507(88-91), 2959(92-1993)	MS-2011P	STD,.25mm,.50mm ToyTrk: 2958(88-1994)
Contents:	(5)MB-3178AL	Contents:	(1)MB-3349P (3)MB-3350P	Contents:	(1)MB-3472P (3)MB-3350P
MS-1811P	STD Jag: 5343(71-1979)	MS-1955P	STD,.25mm,.50mm,.75mm Toy: 1345(67-1978); ToyInd: 1345(67-78), 1493(67-1978); ToyTrk: 1345(67-1975), 1493(72-78)	MS-2012P	STD,.25mm,.50mm Acura: 2156(97-1997); Hon: 2156(90-1991), 2157(93-97), 2259(92-96); HonTrk: 2156(95-1997)
Contents:	(1)MB-3185P (1)MB-3186P (5)MB-3184P	Contents:	(3)MB-3355P	Contents:	(5)MB-3474P
MS-1812A-.25mm	Ford: 232(82-1986), 238(04-04); FordTrk: 232(82-95), 238(04-05), 256(97-2003)	MS-1982P	STD,10,20 Mack: 728 Diesel	MS-2013P	STD Lex: 3969(90-1998)
Contents:	(1)MB-3188A(F) (3)MB-3187A	Contents:	(1)MB-3410P (1)MB-3412P (1)MB-3413P (4)MB-3411P	Contents:	(2)MB-3475P (3)MB-3476P
MS-1812P	STD,.25mm,.50mm,.75mm Ford: 232(82-1983), 238(04-04); FordTrk: 232(82-1983), 238(04-05), 256(97-00)	MS-1983P	STD,10,20,30 Ford: 159(72-73), 171(74-1974), 2551(70-73), 2900(88-90); FordTrk: 171(83-1986), 177(86-89)	MS-2014AL	STD,.25mm Lex: 2997(92-1998); Toy: 2997(93-1998)
Contents:	(1)MB-3188P(F) (3)MB-3187P	Contents:	(1)MB-3416P(F) (3)MB-2350P	Contents:	(1)MB-3477AL (6)MB-3550AL
MS-1814AL	STD Toy: 1839 Diesel(85-85), 1974 Diesel(85-1985)	MS-2000P	STD,10 Cat: 318 Diesel	MS-2015P	STD,.25mm Inf: 1998(91-1996); Nis: 1998(91-1993)
Contents:	(5)MB-3194AL	Contents:	(1)MB-3451W (2)MB-3414P (3)MB-3415P	Contents:	(5)MB-3478P
MS-1816P-.50mm	ToyInd: 1994(78-1986); ToyTrk: 1994(78-1982)	MS-2001P	STD,.25mm,.50mm Komatsu: 19260 Diesel	MS-2016P-.25mm	UD Truck: 6925 Diesel(80-1994)
Contents:		Contents:	(2)MB-3450P (5)MB-3449P	Contents:	
MS-1820AL	STD,.25mm,.50mm,.75mm GMC Trk.: 97(89-2002); Suz: 1590(95-1998); SuzTrk: 1590(89-1998)			MS-2018P	STD,10,20 Cumm: 2301 Diesel
Contents:	(5)MB-3209AL			Contents:	(1)MB-3453W (2)MB-3453P (5)MB-3452P
MS-1821AL	STD,.25mm,.50mm HonTrk: 2559(94-1996); IsuTrk: 2559(88-1991)			MS-2019P	STD,10,20 Cumm: 3068 Diesel
Contents:	(5)MB-3210AL			Contents:	(1)MB-3453W (2)MB-3453P (7)MB-3452P



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Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-2020P Cat: 318 Diesel Contents: (1)MB-2580W (2)MB-2734P (3)MB-2733P	STD,10,20,30	MS-2056P GMC: 146(96-1996) Contents: (1)MB-3515P(F) (4)MB-3514P	STD,25mm,50mm,75mm	MS-2076P Chry: 98(71-89), 107(89-92), 122(84-1990); DodTrk: 122(83-83), 144(90-1991); Eagle: 98(89-90), 122(89-1991), 144(92-92); Hyun: 1439(84-87), 1595(92-1995), 1597(85-88), 1997(85-89), 2351(89-91); HyunTrk: 1439(84-1987), 1597(85-90); Mits: 159 Contents: (1)MB-3572P(F) (4)MB-2869P	STD,25mm,50mm
MS-2021P GMC: 231(94-1994); GMC Trk.: 231(94-1994) Contents: (1)MB-3214P(F) (1)MB-3494P (2)MB-3213P	STD,10,20,30	MS-2057AL Ford: 122(93-1996); Maz: 1991(93-1997) Contents: (5)MB-3544AL	STD,25mm,50mm	MS-2080P-.25mm Nis: 2389(89-1998); NisTrk: 2389(89-1999) Contents: (1)MB-3576P(F) (4)MB-3341P	
MS-2022P GMC: 231(95-1995); GMC Trk.: 231(95-1995) Contents: (1)MB-3213P (1)MB-3214P(F) (1)MB-3494P (1)MB-3495P	STD,10,20,30	MS-2058AL Ford: 153(93-1997); Maz: 2254(95-1996), 2497(93-97) Contents: (1)MB-3546AL (3)MB-3545AL	STD,25mm	MS-2081P-.25mm Nis: 2393(70-73), 2565(74-74), 2753(75-81), 2793 Diesel(81-1981) Contents: (1)MB-3577P(F) (2)MB-631P (4)MB-632P	
MS-2028P Chry: 122(95-1995), 2.0L(95-04); Eagle: 122(95-1995); Mits: 122(95-1995) Contents: (1)MB-4000P(F) (4)MB-4001P	STD,25mm,50mm	MS-2060P Inf: 4130(97-98), 4494(90-1995) Contents: (1)MB-3549P (2)MB-3547P (2)MB-3548P	STD	MS-2083P Sub: 1088(71-71), 1267(72-72), 1361(73-76), 1595(76-1977); SubTrk: 1595(76-1978) Contents: (1)MB-3579P(F) (2)MB-2739P	
MS-2030P FordTrac: 401 Diesel(86-97), 476 Diesel(87-1997); FordTrk: 401 Diesel(86-93), 474 Diesel(87-1988); New Holland Ford: 401 Diesel(86-1997) Contents: (1)MB-4005P(F) (6)MB-4004P	STD,20	MS-2061AL LexTrk: 4476(96-1997); ToyTrk: 4476(93-1997) Contents: (7)MB-3551AL	STD,25mm,50mm,75mm	MS-2084P-.25mm Sub: 1595(78-1978); SubTrk: 1595(78-1978) Contents: (1)MB-3580P(F) (2)MB-2739P	
MS-2034P FordTrk: 444 Diesel(94-1998); MercMar: 444 Diesel; NavInt: 444 Diesel(94-1997) Contents: (1)MB-3498P(F) (4)MB-3497P	STD,10,20,30	MS-2062AL Sub: 1820(93-97), 2212(90-94), 2457(96-1998); SubTrk: 2457(98-1998) Contents: (1)MB-3553AL(F) (2)MB-3552ALA (2)MB-3552ALB	STD,25mm,50mm	MS-2087P-.25mm ToyTrk: 3878(72-75), 4230(75-1984) Contents: (1)MB-2747G (1)MB-2748G (1)MB-2750G (1)MB-3583P(F)	
MS-2035AL MazTrk: 2606(89-1993) Contents: (1)MB-3503AL(F) (4)MB-3502AL	STD,25mm	MS-2064P Cat: 268 Diesel Contents: (1)MB-3454P (1)MB-3456P(F) (3)MB-3455P	STD,25mm,50mm	MS-2091P GMC Trk.: 379 Diesel(82-86), 395 Diesel(92-1994); Hummer: 379 Diesel(92-93), 395 Diesel(94-2001); Workhorse: 395 Diesel(00-2002) Contents: (1)MB-3588P(F) (1)MB-3589P (3)MB-3587P	
MS-2037A-.25mm GMC: 173(85-89), 189(88-1996), 207(91-95); GMC Trk.: 173(85-85), 189(90-95), 207(96-2003); IsuTrk: 2827(89-89), 3137(91-1992); Jeep: 173(85-1987) Contents: (1)MB-3512A (1)MB-3513A(F) (2)MB-3511A	STD,25mm	MS-2065P Cat: 403 Diesel, 442 Diesel Contents: (1)MB-3456P(F) (3)MB-3454P (3)MB-3455P	STD,25mm,50mm	MS-2092P DetD: Contents: (1)MB-3562P (4)MB-3561P	
MS-2037P GMC: 173(85-87), 189(88-1996), 207(91-96); GMC Trk.: 173(85-1993), 189(90-94), 207(96-97); IsuTrk: 2827(89-1991), 3137(91-92); Jeep: 173(85-1987) Contents: (1)MB-3512P (1)MB-3513P(F) (2)MB-3511P	STD,25mm,50mm,75mm,1.00mm	MS-2067V Chry: 426(1963-1971) Contents: (5)MB-3564V	STD	MS-2093P DetD: 677, 677 Diesel, 778 Diesel Contents: (1)MB-3562P (6)MB-3561P	
MS-2038P-10 Avanti: 400(1973-1976); GMC: 400(70-1976); GMC Trk.: 400(74-1976) Contents: (1)MB-3510P(F) (4)MB-2562P		MS-2068P GMC: 110(82-86), 122(87-1987); Passpt: 122(89-1990) Contents: (1)MB-3565P(F) (4)MB-2791P	STD,25mm,50mm	MS-2095P Acura: 1678(92-93), 1797(94-1998), 1834(90-01); Hon: 1595(94-1997); HonTrk: 1972(97-1998) Contents: (5)MB-3760P	
MS-2039P Chry: 122(92-1992), 144(93-94); DodTrk: 144(93-1993); Eagle: 122(92-1992), 144(92-96); Hyun: 1997(92-1998); Mits: 1997(92-1992), 2351(94-97); MitsTrk: 2351(89-1990) Contents: (1)MB-3505P(F) (4)MB-3504P	STD,25mm,50mm	MS-2070P-.25mm Audi: 1471(73-74), 1588(75-80), 1715(81-84), 1780(84-84), 1984(88-1989), 1588 Diesel(82-83); Chry: 105(78-1982); DodTrk: 105(82-1983); VW: 1457(78-80), 1471(74-75), 1588(76-80), 1715(81-84), 1780(83-1992), 1984(90-92), 1471 Diesel(77-80), 1 Contents: (1)MB-3567P(F) (4)MB-692AL	STD,25mm,50mm	MS-2096P DetD: 530(95-2001), 466 Diesel(95-01), 530 Diesel(95-01); NavInt: 466(94-97), 408 Diesel(96-98), 466 Diesel(94-1997), 530 Diesel(95-98); Perk: 466 Diesel, 530 Diesel Contents: (1)MB-3556P(F) (6)MB-3555P	
MS-2042P Nis: 1952(74-1977), 2187(82-83); NisTrk: 1952(75-80), 2187(81-1982), 2389(83-89) Contents: (1)MB-2885P (1)MB-2888P (1)MB-3519P(F) (2)MB-2886P	STD,25mm,50mm,75mm	MS-2072P Nis: 1488(82-82), 1597(83-1983) Contents: (1)MB-3568P(F) (2)MB-2931P (2)MB-2932P	STD,25mm,50mm	MS-2197P Komatsu: 674 Diesel Contents: (7)MB-3748P	
MS-2046P Maz: 1998(83-1987); MazTrk: 1998(86-87), 2184(87-1987) Contents: (1)MB-3523P(F) (4)MB-2999P	STD,25mm	MS-2073P-.25mm Nis: 1597(87-87), 1809(84-1989), 1974(82-88), 1680 Diesel(83-86) Contents: (1)MB-3569P(F) (4)MB-2879P	STD,25mm	MS-2198AL Ford: 281(93-2004); FordTrk: 281(02-2004); Panoz: 281(2003-2004) Contents: (1)MB-3773AL(F) (4)MB-3772AL	
MS-2055P Komatsu: 12840 Diesel(71-1994) Contents: (1)MB-3450P (4)MB-3449P	STD,25mm,50mm	MS-2074P-.25mm FordTrk: 2960(93-98), 3275(99-2002); Inf: 2960(90-1996); InfTrk: 3275(97-1998); Nis: 2960(84-1996); NisTrk: 2960(86-95), 3275(96-2000) Contents: (1)MB-2995P (1)MB-3570P(F) (2)MB-2996P	STD,25mm,50mm	MS-2198H Ford: 281(03-2004) Contents: (1)MB-3139W (4)MB-3772H	
		MS-2075P-.25mm Chry: 86(79-84), 92(85-1991); Eagle: 92(89-1992); Hyun: 1468(86-1989); Mits: 1468(85-1990) Contents: (1)MB-3571P(F) (4)MB-3049P	STD,25mm,50mm	MS-2198HK Ford: 281(03-2004) Contents: (1)MB-3139W (4)MB-3772HK	



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Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-2198HX STD Ford: 281(03-2004) Contents: (1)MB-3139W (4)MB-3772HX		MS-2208P STD,.25mm,.50mm,.75mm Ford: 1989(95-2003); FordTrk: 1989(01-2002); MazTrk: 1989(01-2003) Contents: (1)MB-3754P(F) (4)MB-3753P		MS-2224AL STD,10,20 GMC Trk.: 254(02-2007); IsuTrk: 254(03-2007); Saab Truck: 254(05-2005) Contents: (1)MB-3782P(F) (6)MB-3781P	
MS-2198HXX STD Ford: 281(03-2004) Contents: (1)MB-3139W (4)MB-3772HXX		MS-2209P STD,.25mm,.50mm,.75mm Chry: 167(98-2003) Contents: (4)MB-3596P		MS-2225AL STD,10,20 GMC: 212(99-2002) Contents: (1)MB-3784P(F) (3)MB-3783P	
MS-2199H STD,1,10 GMC: 294(99-07), 325(99-07), 346(97-04), 365(99-2007) Contents: (1)MB-3592H(F) (4)MB-3591H		MS-2210P STD,.25mm,.50mm Chry: 197(98-01), 215(99-2002); DodTrk: 215(04-2006) Contents: (4)MB-3597P		MS-2226P STD,.25mm,.50mm,.75mm Chry: 181(88-1994); DodTrk: 181(87-2000); Hyun: 2972(89-1998); Mits: 2972(88-1988); MitsTrk: 2972(89-1998) Contents: (4)MB-3791P	
MS-2199HK STD,1,10 GMC: 294(99-07), 325(99-07), 346(97-04), 365(99-2007) Contents: (1)MB-3592H(F) (4)MB-3591H		MS-2211AL STD,.25mm,.50mm,.75mm GMC: 98(85-97), 108(93-1999); Toy: 1452(83-83), 1587(83-1987), 1762(93-95) Contents: (5)MB-3764AL		MS-2227AL STD,.25mm,.50mm Audi: 1781(97-2000); VW: 1781(98-2000), 1896 Diesel(93-02) Contents: (1)MB-3793AL (4)MB-3792AL	
MS-2199HX STD GMC: 294(99-07), 325(99-07), 346(97-04), 365(99-2007) Contents: (1)MB-3592HX(F) (4)MB-3591HX		MS-2212AL STD,.25mm,.50mm ToyTrk: 2438(95-01), 2694(94-2001) Contents: (1)MB-3770AL (2)MB-3765AL (2)MB-3766AL		MS-2228P STD Audi: 2771(98-1999); VW: 2771(98-1999) Contents: (4)MB-3795P	
MS-2199HXX STD GMC: 294(99-07), 325(99-07), 346(97-04), 365(99-2007) Contents: (1)MB-3592HX(F) (4)MB-3591HX		MS-2213AL STD,.25mm,.50mm Chry: 112(92-1994); Eagle: 112(92-1993); Mits: 1834(93-1994); MitsTrk: 1834(92-1994) Contents: (5)MB-3767AL		MS-2229AL STD,.25mm VW: 2792(92-1994) Contents: (7)MB-3797AL	
MS-2199P STD,10,20,30 GMC: 346(97-2002), 365(04-06); GMC Trk.: 294(99-07), 325(99-05), 365(99-2006); Hummer: 365(03-2005); IsuTrk: 325(04-04), 365(04-2007); Workhorse: 294(04-2005), 365(04-05) Contents: (1)MB-3592P(F) (4)MB-3591P		MS-2214P STD,.25mm,.50mm,.75mm Ford: 207(96-1999) Contents: (5)MB-3750P		MS-2230AL STD,.25mm Vol: 142(94-2002), 149(93-02) Contents: (1)MB-3799AL (1)MB-3800AL(F)	
MS-2200P STD,10,20,30 DodTrk: 488(94-2003) Contents: (1)MB-3508P(F) (2)MB-3506P (3)MB-3507P		MS-2215P-10 Checker: 229(80-1982); ChrisCft: 262; GMC: 200(78-79), 229(80-1981), 262(85-93); GMC Trk.: 200(78-79), 229(80-84), 262(85-2005); HardMar: 262; IsuTrk: 262(97-2000); MercMar: 229, 262; OMC: 229, 262; ThermElec: 262; Workhorse: 262(00-2003); Contents: (1)MB-3119P(F) (3)MB-2508P		MS-2231AL STD Vol: 178(92-1998) Contents: (1)MB-3801AL (1)MB-3802AL(F)	
MS-2201P STD,.25mm,.50mm Chry: 148(95-2005); DodTrk: 148(96-2003) Contents: (1)MB-3595P(F) (4)MB-3594P		MS-2216P STD,.25mm,.50mm DodTrk: 287(00-2003); Jeep: 287(99-2001) Contents: (5)MB-3771P		MS-2232AL STD,10,20,30 GMC: 134(02-2005); Sat: 134(00-2003); Saturn Truck: 134(02-2003) Contents: (1)MB-3825AL(F) (4)MB-3824AL	
MS-2202P STD,.25mm,.50mm,.75mm Ford: 281(96-1996); FordTrk: 281(97-1998), 330(97-03) Contents: (1)MB-3139W (1)MB-3752P (4)MB-3139P		MS-2217P STD,.25mm,.50mm ToyInd: 2771 Contents: (1)MB-3779P (4)MB-3778P		MS-2233HG STD,10 Chry: 413(1959-1973), 426(1963-1971), 440(1966-1973) Contents: (1)MB-2457HG(F) (4)MB-3789HG	
MS-2203P STD,.25mm,.50mm,.75mm FordTrk: 415(97-2003) Contents: (1)MB-3139W (1)MB-3752P (5)MB-3139P		MS-2218P STD,.25mm,.50mm GMC Trk.: 403 Diesel(01-2004); Workhorse: 403 Diesel(04-2004) Contents: (5)MB-3776P		MS-2234P STD,.25mm,.50mm Hyun: 1495(94-1999) Contents: (1)MB-3804P(F) (4)MB-3803P	
MS-2204P STD,.25mm,.50mm,.75mm Ford: 281(91-1992) Contents: (1)MB-3755P(F) (4)MB-3139P		MS-2219P STD,.25mm,.50mm Cat: 403 Diesel, 442 Diesel Contents: (1)MB-3456P(F) (7)MB-3454P		MS-2235AL STD,10,20 GMC Trk.: 496(01-2002); GMCMar: 496(01-2007); MercMar: 496(01-2003); Workhorse: 496(02-2005) Contents: (1)MB-3775AL(F) (4)MB-3774AL	
MS-2205P STD,10,20,30 GMC: 134(98-2002); GMC Trk.: 134(98-2003); IsuTrk: 134(98-2000) Contents: (1)MB-2883P(F) (1)MB-3749P (3)MB-2854P		MS-2220H STD,.026mm,.23mm,.25mm,.28mm Chry: 345(03-05), 370(06-2007) Contents: (5)MB-3780H		MS-2236P STD,.25mm,.50mm AcuraTrk: 3165(96-1997); HonTrk: 3165(94-1997); IsuTrk: 3165(92-1997), 3494(98-02) Contents: (2)MB-3805P (2)MB-3806P	
MS-2206P STD,.25mm,.50mm,.75mm GMC: 244(95-2002), 281(93-93) Contents: (1)MB-3759P(F) (4)MB-3758P		MS-2220HX STD Chry: 345(03-05), 370(06-2007) Contents: (5)MB-3780HX		MS-2237P STD,.25mm,.50mm Maz: 1844(92-1994) Contents: (1)MB-3809P (3)MB-3808P	
MS-2207P STD,.25mm,.50mm,.75mm Ford: 155(95-00), 181(96-2005); FordTrk: 181(01-2003); MazTrk: 181(01-2003) Contents: (1)MB-3751P(F) (3)MB-3750P		MS-2220P STD,.25mm,.50mm Chry: 345(05-2005), 370(06-07); DodTrk: 345(03-2005); Jeep: 345(05-2005), 370(06-07) Contents: (5)MB-3780P		MS-2238P STD,.25mm,.50mm Mits: 3497(97-2002); MitsTrk: 3497(94-1997) Contents: (4)MB-3811P	
MS-2208H STD,.026mm,.25mm Ford: 1989(1995-2003); Maz: 1989(2001-2003) Contents: (1)MB-3754H(F) (4)MB-3753H		MS-2221V STD,1 Custom Performance: ; Chry: 318(67-2002) Contents: (1)MB-2620V(F) (4)MB-3785V		MS-2239P STD,.25mm,.50mm Chry: 2497(95-2000); Mits: 2497(95-1995) Contents: (4)MB-3813P	
MS-2208HX STD Ford: 1989(1995-2003); Maz: 1989(2001-2003) Contents: (1)MB-3754HX(F) (4)MB-3753HX		MS-2223P STD,.25mm,.50mm,.75mm FordTrk: 363 Diesel(03-2006); NavInt: 363 Diesel(03-2005) Contents: (1)MB-3788P(F) (4)MB-3787P		MS-2240P STD,.25mm,.50mm Lex: 2995(94-2002); LexTrk: 2995(99-2002); Toy: 2995(94-1996); ToyTrk: 2995(98-2002) Contents: (2)MB-3814P (2)MB-3815P	



NUMERICAL LISTING OF CLEVITE MAIN BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
MS-2241P	STD,.25mm,.50mm ToyTrk: 3378(1995-2002)	MS-2250AL	STD,10,20 GMC Trk.: 211(04-2006); Hummer: 211(06-2006); IsuTrk: 211(06-2006)	MS-2259H	STD,.026mm,.25mm Ford: 281(2005-2006)
Contents:	(1)MB-3817P (3)MB-3818P	Contents:	(1)MB-3782P(F) (5)MB-3781P	Contents:	(1)MB-3842H(F) (2)MB-3841H (3)MB-3139H
MS-2242P	STD,.25mm,.50mm DodTrk: 287(2005-2005); Jeep: 287(2002-2004)	MS-2252P	STD,10,20 NavInt: 466 Diesel(02-2003)	MS-2259HX	STD Ford: 281(2005-2006)
Contents:	(5)MB-3790P	Contents:	(1)MB-3835P(F) (6)MB-3834P	Contents:	(1)MB-3842HX(F) (2)MB-3841HX (3)MB-3139HX
MS-2243AL	STD,.25mm,.50mm Scion: 2362(05-2005); Toy: 2362(2002-2005); ToyTrk: 2362(01-2005)	MS-2253H	STD,1,10 Chry: 488(92-2002)	MS-2260H	STD,1 Custom Performance:
Contents:	(2)MB-3819ALU	Contents:	(1)MB-4003H(F) (5)MB-4002H	Contents:	(5)MB-3135H
MS-2244P	STD,.25mm,.50mm DodTrk: 226(02-2005); Jeep: 226(02-2005)	MS-2253HX	STD Chry: 488(92-2002)	MS-2260HX	STD Custom Performance:
Contents:	(4)MB-3790P	Contents:	(1)MB-4003HX(F) (5)MB-4002HX	Contents:	(5)MB-3135HX
MS-2245AL	STD,.25mm,.50mm Ford: 121(04-2005), 2261(03-05); FordTrk: 2261(03-2005); Maz: 2261(03-2005); MazTrk: 2261(05-2006)	MS-2254-SEMI	Ford: 351(1969-1998)	MS-2260V	STD,1 Custom Performance:
Contents:	(1)MB-3823AL(F) (4)MB-3822AL	Contents:	(1)MB-3833C(F) (4)MB-3831C	Contents:	(5)MB-1808V
MS-2246H	STD,.026mm,.25mm Chry: 148(03-2004)	MS-2255-SEMI	Ford: 351(1969-1998)	MS-2260VG	STD,1 Custom Performance:
Contents:	(1)MB-3828H(F) (4)MB-3594H	Contents:	(1)MB-3832C(F) (4)MB-3831C	Contents:	(5)MB-1808VG
MS-2246HX	STD Chry: 148(03-2004)	MS-2256H	STD,1,10 Ford: 351(1969-1998)	MS-2260VGX	STD Custom Performance:
Contents:	(1)MB-3828HX(F) (4)MB-3594HX	Contents:	(5)MB-3830H	Contents:	(5)MB-1808VGX
MS-2246P	STD,.25mm,.50mm Chry: 148(03-2005)	MS-2256HX	STD Ford: 351(1969-1998)	MS-2260VX	STD Custom Performance:
Contents:	(1)MB-3828P(F) (4)MB-3594P	Contents:	(5)MB-3830HX	Contents:	(5)MB1808VX
MS-2248P	STD,.25mm,.50mm DodTrk: 164 Diesel(04-2003); FrghtlInr: 164 Diesel(04-2005)	MS-2257P	STD,.25mm,.50mm Chry: 122(01-2002), 2.0L(96-95); Eagle: 122(98-1998); Mits: 122(95-1998)	MS-2261P	STD,.25MM,.50MM Mits: 1997(97-99), 2351(97-2004); MitsTrk: 2351(2003-2003)
Contents:	(6)MB-3826P	Contents:	(1)MB-4000P(F) (4)MB-4001P	Contents:	
MS-2249AL	STD,10,20 GMC Trk.: 169(04-2006); IsuTrk: 169(06-2006)	MS-2258AL	STD,.25mm,.50mm Sub: 1820(96-1995), 2212(97-97)		
Contents:	(1)MB-3782P(F) (4)MB-3781P	Contents:	(1)MB-3840AL(F) (2)MB-3552ALA (2)MB-3552ALB		
		MS-2259A	STD,.25mm,.50mm Avanti: 281(05-2006); Ford: 281(05-2006)		
		Contents:	(1)MB-3842A(F) (2)MB-3841A (3)MB-3139A		



NUMERICAL LISTING OF CLEVITE INDIVIDUAL MAIN BEARINGS

Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-18P	STD Austin: 1798(66-1978); MG: 1798(65-1974)	MS-914P	MB-632P	STD, .25mm, .50mm, .75mm Nis: 2393(70-73)	MS-1106P MS-2081P-.25mm
MB-19AL	STD MBenz: 2399Diesel(79-1983)	MS-1537AL	MB-633P(F)	STD, .25mm, .50mm, .75mm Nis: 2393(70-73)	MS-1106P
MB-76P	BMW: 1573(64-71)	MS-926P	MB-634P	STD, .25mm, .75mm Nis: 1171(71-1973)	MS-1107P
MB-77P(F)	BMW: 1573(64-71)	MS-926P	MB-635P	STD, .25mm, .75mm Nis: 1171(71-1973)	MS-1107P
MB-83G	STD NisTrk: 3956(79-1980)	MS-1569P	MB-636P(F)	STD, .25mm, .75mm Nis: 1171(71-1973)	MS-1107P
MB-84G	STD NisTrk: 3956(79-1980)	MS-1569P	MB-637P	STD, .25mm Nis: 1982(68-1970); NisInd: 1982(67-1992)	MS-1108P
MB-85G	STD NisTrk: 3956(79-1980)	MS-1569P	MB-638P	STD, .25mm Nis: 1982(68-1970); NisInd: 1982(67-1992)	MS-1108P
MB-122P(F)	Chry: 218(34-50)	MS-523P-10	MB-639P(F)	STD, .25mm Nis: 1982(68-1970); NisInd: 1982(67-1992)	MS-1108P
MB-300AL(F)	Maz: 1998(83-1987); MazTrk: 1998(86-87)	MS-1639AL-.25mm	MB-642P	STD, .25mm NavInt: 198Diesel(76-1979); NisInd: 3246Diesel(66-1990); NisMar: 3246Diesel	MS-1332P
MB-327P	STD, 10, 20 Chry: 218(38-1954)	MS-107P	MB-672AL	STD Fiat: 1585(75-76)	MS-1145AL
MB-328P(F)	STD, 10, 20 Chry: 218(38-1954)	MS-107P	MB-673AL	STD Fiat: 1585(75-76)	MS-1145AL
MB-352P	STD, 10, 20 Ford: 239(48-1949)	MS-109P	MB-691P	STD Mack: 335Diesel	MS-1156P
MB-366P(F)	STD, 10, 20, 30 Alc: 226; Roil: 176Diesel	MS-209P	MB-692AL	STD, .25mm, .50mm Audi: 1471(73-74)	MS-1659P MS-2070P-.25mm
MB-367P	STD, 10, 20, 30 Alc: 226; Roil: 176Diesel	MS-209P	MB-693AL(F)	STD, .25mm, .50mm Audi: 1471(73-74)	MS-1659P
MB-409P	STD, .25mm, .50mm, .75mm Ford: 122(71-1974)	MS-1084P	MB-741P	STD, .25mm, .50mm IntTrac: 155Diesel	MS-1197P MS-1198P MS-1199P
MB-602G	STD Nis: 1189(61-66)	MS-1055G	MB-742P(F)	STD, .25mm, .50mm IntTrac: 155Diesel	MS-1197P MS-1198P MS-1199P
MB-610P	STD Toy: 1077(68-69)	MS-1057P	MB-756AL	STD Perk: 510Diesel	MS-1207AL
MB-615P	STD, .25mm, .50mm, .75mm Toy: 2189(75-80)	MS-1428P	MB-757AL	STD Perk: 510Diesel	MS-1207AL
MB-619G	STD, .25mm ToyTrk: 3878(69-1971)	MS-1103G	MB-883P(F)	STD, 10, 20, 30, 40 Jeep: 134(39-1953); KaisFraz: 134(51-1953); MilStd: 134	MS-115P
MB-620G	STD, .25mm ToyTrk: 3878(69-1971)	MS-1103G	MB-884P	STD, 10, 20, 30, 40 Jeep: 134(39-1953); KaisFraz: 134(51-1953); MilStd: 134	MS-115P
MB-621G(F)	STD, .25mm ToyTrk: 3878(69-1971)	MS-1103G	MB-885P	STD, 10, 20, 30, 40 Jeep: 134(39-1953); KaisFraz: 134(51-1953); MilStd: 134	MS-115P
MB-622G	STD, .25mm ToyTrk: 3878(69-1971)	MS-1103G	MB-891P(F)	STD, 10, 20, 30 Alc: 116	MS-211P
MB-623P	STD, .25mm, .50mm Toy: 1588(72-1974)	MS-1456P			
MB-627G	STD, .50mm Toy: 2253(68-71)	MS-1104G			
MB-631P	STD, .25mm, .50mm, .75mm Nis: 2393(70-73)	MS-1106P MS-2081P-.25mm			



NUMERICAL LISTING OF CLEVITE INDIVIDUAL MAIN BEARINGS					
Part No.	Undersizes	Contained In	Part No.	Undersizes	Contained In
MB-892P	STD,10,20,30		MB-1373W	STD,10,20,30	
Alc: 116		MS-211P	Mack: 707		MS-954P
MB-947P	STD,10,2,20,30,40		MB-1403P		
FerTrac: 120(39-1947); FordInd: 120(41-1942); FordTrac: 120; FordTrk: 120(41-1942)		MS-120P	Case: 140; Clark: 162; Cont: 124		MS-176P-10 MS-194P-10
MB-948P(F)	STD,10,2,20,30,40		MB-1404P		
FerTrac: 120(39-1947); FordInd: 120(41-1942); FordTrac: 120; FordTrk: 120(41-1942)		MS-120P	Clark: 209; Cont: 170		MS-194P-10
MB-974G	STD,.25mm,.50mm,.75mm,1.00mm		MB-1405P		
GMCTrk.: 119(82-1985)		MS-1298G	Case: 140; Clark: 162; Cont: 124		MS-176P-10 MS-194P-10
MB-975G	STD,.25mm,.50mm,.75mm,1.00mm		MB-1406P		
GMCTrk.: 119(82-1985)		MS-1298G	Case: 140; Clark: 162; Cont: 124		MS-176P-10
MB-1042P	STD		MB-1499P	STD,10,20,30	
Maz: 988(1967-1983)		MS-1307P	Ford: 215(52-53)		MS-525P
MB-1043P	STD		MB-1500P(F)	STD,10,20,30	
Maz: 988(67-83)		MS-1307P	Ford: 215(52-53)		MS-525P
MB-1060P	STD,10,2,20		MB-1501P	STD,1,10,20,30,40	
IntInd: 152; IntTrac: 152; MilStd: 152		MS-154P	FordInd: 134(53-76)		MS-466P
MB-1061P(F)	STD,10,2,20		MB-1540P(F)	STD,1,10,20,30,40	
IntInd: 152; IntTrac: 152; MilStd: 152		MS-154P	FordInd: 134(53-76)		MS-466P
MB-1062P	STD,10,20		MB-1541P	STD,10	
IntInd: 248; IntTrac: 248		MS-155P	IntInd: 164		MS-302P
MB-1063P(F)	STD,10,20		MB-1542P(F)	STD,10	
IntInd: 248; IntTrac: 248		MS-155P	IntInd: 164		MS-302P
MB-1072AL	STD,.25mm,.50mm		MB-1543P	STD,10,20	
FordTrk: 110(72-78)		MS-1427AL	IntInd: 248		MS-307P
MB-1073AL	STD,.25mm,.50mm		MB-1544P(F)	STD,10,20	
FordTrk: 110(72-78)		MS-1427AL	IntInd: 248		MS-307P
MB-1130P	STD		MB-1575P	STD,10,20,30,40,C60	
MilStd: 779		MS-766P	DearbMar: 239(54-54)		MS-178P
MB-1131P	STD		MB-1581P	STD,10,20	
MilStd: 779		MS-766P	Deere: 113		MS-319P
MB-1183P(F)	STD,10,20		MB-1582P(F)	STD,10,20	
Ford: 239(48-1949)		MS-109P	Deere: 113		MS-319P
MB-1211P	STD,10		MB-1621P(F)	STD,10,20,30,40,C60	
IntInd: 60; IntTrac: 60; PalMar: 60		MS-306P	DearbMar: 239(54-54)		MS-178P
MB-1212P(F)	STD,10		MB-1629P	STD,10,20,30	
IntInd: 60; IntTrac: 60; PalMar: 60		MS-306P	Oliver: 129		MS-405P MS-406P
MB-1225P	STD,10,20,30		MB-1636P	STD,10,20,30	
Cont: 227		MS-889P	Cont: 134		MS-202P MS-260P
MB-1246P	STD,.25mm,.50mm		MB-1637P	STD,10,20,30	
NisInd: 1138(66-1978)		MS-1327P	Cont: 120		MS-260P
MB-1247P	STD,.25mm,.50mm		MB-1643P	STD,10,20	
NisInd: 1138(66-1978)		MS-1327P	Oliver: 231		MS-349P
MB-1269P	STD,.25mm,.50mm,.75mm		MB-1644P(F)	STD,10,20	
NisTrk: 1299(70-1972)		MS-1329P	Oliver: 231		MS-349P
MB-1276P	STD,10,20,30,40		MB-1648P	STD,10,20,30	
Alc: 426Diesel; Deere: 426Diesel; DetD: 426Diesel; MilStd: 426Diesel		MS-271P	IntInd: 113		MS-459P
MB-1370P	STD,10,20,30		MB-1649P(F)	STD,10,20,30	
Cont: 134		MS-202P MS-260P	IntInd: 113		MS-459P



NUMERICAL LISTING OF CLEVITE INDIVIDUAL MAIN BEARINGS					
Part No.	Undersizes	Contained In	Part No.	Undersizes	Contained In
MB-1651P Clark: 69	STD,10,30	MS-1627P	MB-1769H(F) GMC: 265(1955-1957)	STD,1,10	MS-429H MS-429HK
MB-1652P Clark: 69	STD,10,30	MS-1627P	MB-1769HX(F) GMC: 265(1955-1957)	STD	MS-429HX MS-429HXX
MB-1669P Alc: 153	STD,10,20,30	MS-226P MS-227P MS-399P	MB-1769P(F) Avanti: 327(1965-1967); Checker: 283(65-67)	STD,1,10,20,30,40	MS-429P
MB-1670P Alc: 230	STD,10,20,30	MS-227P MS-399P	MB-1769V(F) GMC: 265(1955-1957)	STD,1,10	MS-429V
MB-1671P(F) Alc: 153	STD,10,20,30	MS-226P MS-227P MS-399P	MB-1769VG(F) GMC: 265(1955-1957)	STD,1	MS-429VG
MB-1681P Alc: 153	STD,10,20,30	MS-226P MS-227P MS-399P	MB-1769VGX(F) GMC: 265(1955-1957)	STD	MS-429VGX
MB-1682P Cont: 135	STD,10,20,30	MS-886P MS-889P	MB-1769VX(F) GMC: 265(1955-1957)	STD	MS-429VX
MB-1686P(F) Cont: 135	STD,10,20,30	MS-886P MS-889P	MB-1786P(F) Oliver: 129	STD,10,20,30	MS-1423P MS-405P MS-406P
MB-1690P GMC: 235(53-1955); GMCTrk.: 235(53-1955)		MS-189P-10	MB-1791P GMC: 365(56-58)		MS-411P-10
MB-1691P GMC: 235(53-1955); GMCTrk.: 235(53-1955)		MS-189P-10	MB-1792P(F) GMC: 365(56-58)		MS-411P-10
MB-1692P(F) GMC: 235(53-1955); GMCTrk.: 235(53-1955)		MS-189P-10	MB-1802M Chry: 392(57-1958)	STD	MS-426M
MB-1693P GMC: 235(53-1955); GMCTrk.: 235(53-1955)		MS-189P-10	MB-1803M(F) Chry: 392(57-1958)	STD	MS-426M
MB-1717P DearbMar: 312(56-1957); Ford: 312(56-1956); FordMar: 312(56-1957)		MS-195P-10	MB-1804M Chry: 392(57-1958)	STD	MS-426M
MB-1718P(F) DearbMar: 312(56-1957); Ford: 312(56-1956); FordMar: 312(56-1957)		MS-195P-10	MB-1808H GMC: 265(1955-1957)	STD,1,10	MS-429H MS-429HK
MB-1721P GMC: 235(55-1957); GMCTrk.: 235(55-62)	STD,10,20,30,40	MS-197P	MB-1808HX GMC: 265(1955-1957)	STD	MS-429HX MS-429HXX
MB-1722P GMC: 235(55-1957); GMCTrk.: 235(55-62)	STD,10,20,30,40	MS-197P	MB-1808V GMC: 265(1955-1957)	STD,1,10	MS-2260V MS-429V
MB-1723P(F) GMC: 235(55-1957); GMCTrk.: 235(55-62)	STD,10,20,30,40	MS-197P	MB-1808VG GMC: 265(1955-1957)	STD,1	MS-2260VG MS-429VG
MB-1724P GMC: 235(55-1957); GMCTrk.: 235(55-62)	STD,10,20,30,40	MS-197P	MB-1808VGX GMC: 265(1955-1957)	STD	MS-2260VGX MS-429VGX
MB-1738AL FordInd: 220Diesel(62-1966); FordTrk: 220Diesel(52-1966)	STD,10,20	MS-755AL	MB-1808VX GMC: 265(1955-1957)	STD	MS-429VX
MB-1739AL FordInd: 220Diesel(62-1966); FordTrk: 220Diesel(52-1966)	STD,10,20	MS-755AL	MB1808VX CustomPerformance:	STD	MS-2260VX
MB-1768P(F) Cont: 134	STD,10,20,30	MS-202P	MB-1811P GMC: 401(59-1963)		MS-664P-10
			MB-1820P FordInd: 401(58-76)	STD,10,30	MS-443P

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-1821P(F)	STD,10,30 FordInd: 401(58-76)	MS-443P	MB-1930P(F)	STD,10 IntInd: 135; IntTrac: 135	MS-505P
MB-1825P(F)	STD,10,20 ChrisCft: 427; DearbMar: 390(61-1963)	MS-445P	MB-1931P	STD,10,20 DetD: 318Diesel; MilStd: 318Diesel	MS-506P
MB-1840H	STD,1 GMC: 348(1958-1961)	MS-458H	MB-1997P	STD,10,20,30 IntInd: 345; NavInt: 152(61-63)	MS-516P
MB-1840HX	STD GMC: 348(1958-1961)	MS-458HX	MB-1998P(F)	STD,10,20,30 IntInd: 345; NavInt: 152(61-63)	MS-516P
MB-1840P	GMC: 348(58-61)	MS-458P-10	MB-1999P	STD,10,20,30,40 Chry: 170(60-62)	MS-517P
MB-1841H(F)	STD,1 GMC: 348(1958-1961)	MS-458H	MB-2000P(F)	STD,10,20,30,40 Chry: 170(60-62)	MS-517P
MB-1841HX(F)	STD GMC: 348(1958-1961)	MS-458HX	MB-2001P	STD,10,20,30,40 Chry: 170(60-62)	MS-517P
MB-1841P(F)	GMC: 348(58-61)	MS-458P-10	MB-2002G	STD,10,20,30,40 DearbMar: 144(60-64)	MS-518G MS-771G
MB-1881P(F)	GMC: 401(59-1963)	MS-664P-10	MB-2003G(F)	STD,10,20,30,40 DearbMar: 144(60-64)	MS-518G MS-771G
MB-1883M	STD,10,20 Chry: 383(59-60)	MS-481M	MB-2004G(F)	STD,10 GMC: 140(60-61)	MS-1670P
MB-1884M(F)	STD,10,20 Chry: 383(59-60)	MS-481M	MB-2004P(F)	STD,10 GMC: 140(60-61)	MS-584P
MB-1889G	STD,10,20 GMC: 326(63-67)	MS-483G	MB-2005P	STD,10 GMC: 140(60-61)	MS-1670P MS-584P
MB-1890G(F)	STD,10,20 GMC: 326(63-67)	MS-483G	MB-2009P	GMCTrk.: 702(60-1961)	MS-522P-10
MB-1891P	STD,10,20,30 GMC: 326(63-67)	MS-1415P MS-483G MS-496P	MB-2010P(F)	GMCTrk.: 702(60-1961)	MS-522P-10
MB-1897P	STD,10,20,30 Clark: 212Diesel; Coshtt: 212Diesel; DetD: 212Diesel; Oliver: 212Diesel	MS-502P	MB-2011P	Chry: 218(34-50)	MS-523P-10
MB-1909P	STD,10,20 IntInd: 221	MS-494P MS-562P MS-683P MS-983P	MB-2012P	Chry: 218(34-50)	MS-523P-10
MB-1910P	STD,10,20 IntInd: 221	MS-494P MS-562P MS-683P	MB-2032P(F)	STD MinMol: 206(56-1959)	MS-900P
MB-1911P(F)	STD,10,20 IntInd: 221	MS-494P MS-562P	MB-2035H	STD,1,10 Chry: 273(1964-1969)	MS-540H MS-540HK
MB-1912P	STD,10,20 IntInd: 221	MS-494P MS-683P MS-983P	MB-2035HX	STD Chry: 273(1964-1969)	MS-540HX MS-540HXX
MB-1917P	STD,10,20,30 GMC: 195(61-63)	MS-496P	MB-2035P	STD,10,20,30,40 Chry: 273(64-66)	MS-540P
MB-1918P(F)	STD,10,20,30 GMC: 195(61-63)	MS-496P	MB-2036H(F)	STD,1,10 Chry: 273(1964-1969)	MS-540H MS-540HK
MB-1929P	STD,10 IntInd: 135; IntTrac: 135	MS-505P	MB-2036HX(F)	STD Chry: 273(1964-1969)	MS-540HX MS-540HXX



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Part No.	Undersizes		Part No.	Undersizes	
Application		Contained In	Application		Contained In
MB-2036P(F)	STD,10,20,30,40 Chry: 273(64-66)	MS-540P MS-963P	MB-2122A(F)	CommMar: 302; DearbMar: 289	MS-590A-10
MB-2036V(F)	STD,1 Chry: 273(1964-1969)	MS-963V	MB-2122H(F)	STD,1,10,11,9 Ford: 221(1962-1963)	MS-590H MS-590HK
MB-2036VX(F)	STD Chry: 273(1964-1969)	MS-963VX	MB-2122HX(F)	STD Ford: 221(1962-1963)	MS-590HX MS-590HXX
MB-2045P	STD,10,20,30 Mack: 707	MS-954P	MB-2122P(F)	STD,1,10,20,30,40 CommMar: 302; DearbMar: 289	MS-590P
MB-2065P	STD,10,20,30,40,C60 Chry: (62-65)	MS-876P	MB-2122V(F)	STD,1,20 Ford: 221(1962-1963)	MS-590V
MB-2067HG	STD,10 Chry: 413(1974-1977)	MS-1277HG	MB-2122VG(F)	STD,1 Ford: 221(1962-1963)	MS-590VG
MB-2067P	STD,10,20 Chry: 383(59-60)	MS-1277P MS-877P	MB-2122VX(F)	STD Ford: 221(1962-1963)	MS-590VX
MB-2075P(F)	STD,10 GMC: 215(61-1961); LRover: 3528(70-1981); PalMar: 215(61-1963); Tri: 3528(80-1980); GMC: 198(62-1963)	MS-558P MS-606P	MB-2131P	STD,10,20 Case: 148	MS-596P
MB-2083P	Cont: 157	MS-566P-10	MB-2132P(F)	STD,10,20 Case: 148	MS-596P
MB-2085P	Cont: 157	MS-566P-10	MB-2133P	STD,10,20 Case: 148	MS-596P
MB-2087P(F)	Cont: 157	MS-566P-10	MB-2154P	STD,10,20 IntTrac: 144Diesel	MS-614P
MB-2092P(F)	STD,10 Alc: 339; Herc: 260	MS-1680P MS-1681P MS-650P	MB-2155P(F)	STD,10,20 IntTrac: 144Diesel	MS-614P
MB-2096W	STD,10,20 Alc: 516Diesel; Buda: 516Diesel; Alc: 344Diesel; Buda: 344Diesel	MS-1619P MS-1632P	MB-2163H	STD,1,10,20 GMC: 400(68-67)	MS-804H
MB-2105P	STD,10,20,30 Case: 251	MS-1497P MS-1498P	MB-2163HX	STD GMC: 400(68-67)	MS-804HX
MB-2111P	STD,10 GMC: 140(60-61)	MS-1670P MS-584P	MB-2163P	STD,10,20,30 BarrMar: 455(68-1976); Berk: 455(68-1976); Checker: 350Diesel(80-1982); GMC: 400(65-67)	MS-804P
MB-2121A	CommMar: 302; DearbMar: 289	MS-590A-10	MB-2178P	STD Wauk: 1013	MS-637P
MB-2121H	STD,1,10,11,9 Ford: 221(1962-1963)	MS-590H MS-590HK	MB-2179P	STD Wauk: 1013	MS-637P
MB-2121HX	STD Ford: 221(1962-1963)	MS-590HX MS-590HXX	MB-2180P	STD Wauk: 1013	MS-637P
MB-2121P	STD,1,10,20,30,40 CommMar: 302; DearbMar: 289	MS-1746P-10 MS-590P	MB-2185P	STD,10 Alc: 339; Herc: 260	MS-1680P MS-1681P MS-650P
MB-2121V	STD,1,20 Ford: 221(1962-1963)	MS-590V	MB-2186AL	STD,10,20,30 Alc: 152Diesel; FordTrac: 152; ForsnTrac: 144Diesel(64-74)	MS-772AL MS-773AL
MB-2121VG	STD,1 Ford: 221(1962-1963)	MS-590VG	MB-2187AL	STD,10,20,30 Alc: 152Diesel; FordTrac: 152; ForsnTrac: 144Diesel(64-74)	MS-772AL MS-773AL
MB-2121VX	STD Ford: 221(1962-1963)	MS-590VX	MB-2192P	STD,10,20 Case: 188Diesel	MS-651P MS-652P

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-2193P Case: 188Diesel	STD,10,20	MS-651P	MB-2235P(F) ChrisCft: 427; DearbMar: 390(64-1965)	STD,1,10,20,30,40,C60	MS-685P
MB-2194P(F) Case: 188Diesel	STD,10,20	MS-651P MS-652P	MB-2251P BarrMar: 403(77-1979); Berk: 350(68-1980); GMC: 260(75-1975)	STD,1,10,20,30	MS-805P
MB-2195P Case: 188Diesel	STD,10,20	MS-651P MS-652P	MB-2252P(F) GMC: 330(64-1964); BarrMar: 403(77-1979); Berk: 350(68-1980); GMC: 260(75-1975)	STD,1,10,20,30	MS-697P MS-805P
MB-2212P GMC: 401(59-1963)		MS-664P-10	MB-2253P GMC: 330(64-1964); BarrMar: 403(77-1979); Berk: 350(68-1980); GMC: 260(75-1975)	STD,1,10,20,30	MS-697P MS-805P
MB-2213P IntInd: 135; IntTrac: 135	STD,10,20	MS-665P	MB-2263P AMC: 199(65-67)	STD,10,20,30,40	MS-1568P MS-704P
MB-2214P(F) IntInd: 135; IntTrac: 135	STD,10,20	MS-665P	MB-2264P(F) AMC: 199(65-67)	STD,10,20,30,40	MS-1568P MS-704P
MB-2215H GMC: 421(63-66)	STD,1,10	MS-667H	MB-2279AL Cat: 893	STD,25	MS-712AL
MB-2215HX GMC: 421(63-66)	STD	MS-667HX	MB-2280AL(F) Cat: 893	STD,25	MS-712AL
MB-2215P GMC: 421(63-63)	STD,10,20,30	MS-667P	MB-2283P Chry: 340(68-1971); ChryMar: 340; Chry: 318(74-1989); ChryInd: 318; ChryMar: 318; DodTrk: 318(74-1977); Jeep: 318(93-1998); StksMar: 318; DodTrk: 239(87-1991)	STD,10,20,30	MS-1344P MS-1701P MS-963P
MB-2216H(F) GMC: 421(63-66)	STD,1,10	MS-667H	MB-2283V Chry: 273(1964-1969)	STD,1	MS-1344V MS-963V
MB-2216HX(F) GMC: 421(63-66)	STD	MS-667HX	MB-2283VX Chry: 273(1964-1969)	STD	MS-1344VX MS-963VX
MB-2216P(F) GMC: 421(63-63)	STD,10,20,30	MS-667P	MB-2296P(F) Ford: 240(65-1965); FordInd: 240(65-66)	STD,10	MS-765P
MB-2217H GMC: 421(63-66)	STD,1,10	MS-667H	MB-2297P MilStd: 779	STD	MS-766P
MB-2217HX GMC: 421(63-66)	STD	MS-667HX	MB-2300P Alc: 516Diesel; Buda: 516Diesel; Alc: 344Diesel; Buda: 344Diesel	STD,10,20	MS-1619P MS-1632P
MB-2217P GMC: 421(63-63)	STD,10,20,30	MS-667P	MB-2302AL Alc: 152Diesel; FordTrac: 152; ForsnTrac: 144Diesel(64-74)	STD,10,20,30	MS-772AL MS-773AL
MB-2219P Chry: 383(59-60)	STD,10	MS-896P	MB-2312P Alc: 779	STD,10	MS-1530P
MB-2221AL DodTrk: 354Diesel(66-1970); MasFer: 354Diesel; MinMol: 354Diesel; Oliver: 354Diesel; Perk: 354Diesel	STD,10,20,30	MS-757AL MS-830AL	MB-2313P Alc: 779	STD,10	MS-1530P
MB-2222AL DodTrk: 354Diesel(66-1970); MasFer: 354Diesel; MinMol: 354Diesel; Oliver: 354Diesel; Perk: 354Diesel	STD,10,20,30	MS-757AL MS-830AL	MB-2314P Alc: 779	STD,10	MS-1530P
MB-2225P Oliver: 283	STD,10,20,30	MS-676P	MB-2350P Ford: 171(74-1979)	STD,10,20,30	MS-1692P MS-1983P
MB-2226P(F) Oliver: 283	STD,10,20,30	MS-676P	MB-2350W(U) Ford: 171(74-1979)	STD,10,20,30	MS-1692P
MB-2231P(F) IntInd: 221	STD,10,20	MS-683P MS-983P	MB-2362H GMC: 400(68-67)	STD,1,10,20	MS-804H
MB-2232P IntInd: 361Diesel	STD,10	MS-684P			
MB-2233P IntInd: 361Diesel	STD,10	MS-684P			
MB-2234P(F) IntInd: 361Diesel	STD,10	MS-684P			



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Part No.	Undersizes	Contained In	Part No.
Application			Application
MB-2362HX	STD		MB-2404A(F)
GMC: 400(68-67)		MS-804HX	ChrisCft: 454; FlagMar: 427
			MS-829A-10
MB-2362P	STD,10,20,30		MB-2404H(F)
BarrMar: 455(68-1976); Berk: 455(68-1976); Checker: 350Diesel(80-1982); GMC: 400(65-67)		MS-804P	STD,1,10,11,19,20,21,30,9
			GMC: 366(1966-1998)
			MS-829H
			MS-829HK
MB-2363H(F)	STD,1,10,20		MB-2404HG(F)
GMC: 400(68-67)		MS-804H	STD
			GMC: 366(1966-1998)
			MS-829HG
MB-2363HX(F)	STD		MB-2404HX(F)
GMC: 400(68-67)		MS-804HX	STD
			GMC: 366(1966-1998)
			MS-829HX
			MS-829HXX
MB-2363P(F)	STD,10,20,30		MB-2404P(F)
BarrMar: 455(68-1976); Berk: 455(68-1976); Checker: 350Diesel(80-1982); GMC: 400(65-67)		MS-804P	STD,1,10,20,30,40
			ChrisCft: 454; FlagMar: 427
			MS-1732M
			MS-1748P-10
			MS-829P
MB-2364H	STD,1,10,20		MB-2404V(F)
GMC: 400(68-67)		MS-804H	STD,1,10
			GMC: 366(1966-1998)
			MS-829V
MB-2364HX	STD		MB-2404VX(F)
GMC: 400(68-67)		MS-804HX	STD
			GMC: 366(1966-1998)
			MS-829VX
MB-2364P	STD,10,20,30		MB-2415P
BarrMar: 455(68-1976); Berk: 455(68-1976); Checker: 350Diesel(80-1982); GMC: 400(65-67)		MS-804P	STD,10,20
			Deere: 201
			MS-836P
			MS-837P
			MS-838P
			MS-839P
MB-2365P	STD,1,10,20,30		MB-2416P(F)
GMC: 330(64-1964); BarrMar: 403(77-1979); Berk: 350(68-1980); GMC: 260(75-1975)		MS-697P	STD,10,20
		MS-805P	Deere: 201
			MS-836P
			MS-837P
			MS-838P
			MS-839P
MB-2367P	STD		MB-2433P
Austin: 1798(66-1978); MG: 1798(65-1974)		MS-914P	STD,1,10,20,30
			ChrisCft: 225; GMC: 181(82-88)
			MS-1688P-10
			MS-1747P-10
			MS-960P
			MS-961P
MB-2373P	STD,10		MB-2433V
ChryMar: 109		MS-813P	STD
			GMC: 181(1982-1988)
			MS-960V
MB-2374P(F)	STD,10		MB-2434P(F)
ChryMar: 109		MS-813P	STD,1,10,20,30
			ChrisCft: 225; GMC: 181(82-88)
			MS-960P
			MS-961P
MB-2391AL(F)	STD,.25mm,.50mm		MB-2434V(F)
VW: 1192(61-65)		MS-822AL	STD
			GMC: 181(1982-1988)
			MS-960V
MB-2392P	STD,.25mm,.50mm		MB-2441P
VW: 1192(61-65)		MS-822AL	STD,1,10,20,30,40,C60
			ChrisCft: 427; DearbMar: 390(61-1963)
			MS-445P
			MS-685P
			MS-863P
MB-2393AL	STD,.25mm,.50mm		MB-2442P(F)
VW: 1192(61-65)		MS-822AL	STD,1,10,20,30,40
			ChrisCft: 427; DearbMar: 390(66-1966)
			MS-863P
MB-2394AL	STD,.25mm,.50mm		MB-2446AL
VW: 1192(61-65)		MS-822AL	STD,10,20,30
			FordTrac: 158(65-69)
			MS-865AL
			MS-866AL
			MS-977AL
MB-2403A			MB-2447AL(F)
ChrisCft: 454; FlagMar: 427		MS-829A-10	STD,10,20,30
			FordTrac: 158(65-69)
			MS-865AL
			MS-866AL
			MS-977AL
MB-2403H	STD,1,10,11,19,20,21,30,9		MB-2448P
GMC: 366(1966-1998)		MS-829H	STD,10,20
		MS-829HK	GMC: 265(80-81)
			MS-1415P
			MS-1457P
MB-2403HG	STD		
GMC: 366(1966-1998)		MS-829HG	
MB-2403HX	STD		
GMC: 366(1966-1998)		MS-829HX	
		MS-829HXX	
MB-2403P	STD,1,10,20,30,40		
ChrisCft: 454; FlagMar: 427		MS-829P	
MB-2403V	STD,1,10		
GMC: 366(1966-1998)		MS-829V	
MB-2403VX	STD		
GMC: 366(1966-1998)		MS-829VX	

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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-2449P(F) GMC: 265(80-81)	STD,10,20	MS-1415P MS-1457P	MB-2506P(F) GMC: 400(67-1969)	STD,10,20	MS-908P
MB-2454AL Deere: 135	STD,10,20,30	MS-1459AL MS-873AL MS-874AL MS-875AL	MB-2507P GMC: 400(67-1969)	STD,10,20	MS-908P
MB-2455AL(F) Deere: 135	STD,10,20,30	MS-1459AL MS-873AL MS-874AL MS-875AL	MB-2508A Avanti: 305(1981-1988)		MS-1454A-10 MS-909A-10
MB-2456P(F) Chry: (62-65)	STD,10,20,30,40,C60	MS-876P	MB-2508H GMC: 262(1975-1976)	STD,1,10,11,19,20,21,30,9	MS-909H MS-909HK
MB-2457HG(F) Chry: 413(1959-1973)	STD,10	MS-2233HG	MB-2508HG GMC: 262(1975-1976)	STD,10	MS-909HG
MB-2457P(F) Chry: 383(59-60)	STD,10,20	MS-877P	MB-2508HX GMC: 262(1975-1976)	STD	MS-909HX MS-909HXX
MB-2458AL Alc: 201	STD,10,20	MS-878AL	MB-2508P Avanti: 305(1981-1988)	STD,1,10,2,20,30,40,C60	MS-1454P MS-1626P-10 MS-1628P-10 MS-1744P-10 MS-2215P-10 MS-909P
MB-2459AL(F) Alc: 201	STD,10,20	MS-878AL	MB-2508V GMC: 262(1975-1976)	STD,1,10	MS-909V
MB-2474P DetD: 318Diesel; MilStd: 318Diesel	STD,10,20,30	MS-885P	MB-2508VX GMC: 262(1975-1976)	STD	MS-909VX
MB-2475P Cont: 135	STD,10,20,30	MS-886P	MB-2509A(F) Avanti: 305(1981-1988)		MS-1454A-10 MS-909A-10
MB-2482P NavInt: 537(78-79)	STD,10,20,30	MS-883P	MB-2509H(F) GMC: 262(1975-1976)	STD,1,10,11,19,20,21,30,9	MS-909H MS-909HK
MB-2483P(F) NavInt: 537(78-79)	STD,10,20,30	MS-883P	MB-2509HG(F) GMC: 262(1975-1976)	STD,10	MS-909HG
MB-2484P GMC: 340(66-67)	STD,10,20	MS-1457P	MB-2509HX(F) GMC: 262(1975-1976)	STD	MS-909HX MS-909HXX
MB-2491P ChrisCft: 225; GMC: 181(82-88)	STD,1,10,20,30	MS-1688P-10 MS-1747P-10 MS-960P MS-961P	MB-2509P(F) Avanti: 305(1981-1988)	STD,1,10,2,20,30,40,C60	MS-1454P MS-909P
MB-2491V GMC: 181(1982-1988)	STD	MS-960V	MB-2509V(F) GMC: 262(1975-1976)	STD,1,10	MS-909V
MB-2495P(F) Chry: 383(59-60)	STD,10	MS-896P	MB-2509VX(F) GMC: 262(1975-1976)	STD	MS-909VX
MB-2496P MinMol: 206(56-1959)	STD	MS-900P	MB-2520P Mack: 707	STD,10,20,30	MS-954P
MB-2497AL Alc: 138	STD,10,20	MS-902AL	MB-2521P Mack: 707	STD,10,20,30	MS-954P
MB-2498AL(F) Alc: 138	STD,10,20	MS-902AL	MB-2522W Clark: 212Diesel; Coshtt: 212Diesel; DetD: 212Diesel; Oliver: 212Diesel	STD,10,20,30	MS-1525P MS-502P
MB-2500AL FordTrac: 363Diesel(65-90)	STD,10,20	MS-1435AL MS-1480AL	MB-2523W DetD: 426Diesel(79-88)	STD,10,20,30	MS-1385P MS-1386P
MB-2505P GMC: 400(67-1969)	STD,10,20	MS-908P			



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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-2524W	STD,10,20,30,40 Alc: 426Diesel; Deere: 426Diesel; DetD: 426Diesel; MilStd: 426Diesel; DetD: 318Diesel; MilStd: 318Diesel	MS-271P MS-506P MS-885P	MB-2559VX	STD Chry: 273(1964-1969)	MS-1344VX MS-963VX
MB-2528W	STD,10 Onan: 50	MS-1500AL	MB-2560H	STD,1,10 Ford: 351(1970-1974)	MS-1010H
MB-2535AL	STD,10,20 GMC: 368(80-81)	MS-970AL	MB-2560HK	STD,1,10 Ford: 351(71-1974)	MS-1010HK
MB-2536AL	STD,10,20 GMC: 368(80-81)	MS-970AL	MB-2560HX	STD Ford: 351(1970-1974)	MS-1010HX
MB-2537AL(F)	STD,10,20 GMC: 368(80-81)	MS-970AL	MB-2560HXX	STD Ford: 351(71-1974)	MS-1010HXX
MB-2538AL	STD,10,20 GMC: 368(80-81)	MS-970AL	MB-2560P	STD,10,20,30 Ford: 351(70-1974); FordMar: 351(70-1972); FordTrk: 351(70-1974)	MS-1010P
MB-2543M	STD Chry: 383(1959-1960)	MS-972M	MB-2560V	STD Ford: 351(1970-1974)	MS-1010V
MB-2544M(F)	STD Chry: 383(1959-1960)	MS-972M	MB-2560VG	STD,1 Ford: 351(1970-1974)	MS-1010VG
MB-2547P	STD,10 GMC: 262(1975-1976)	MS-974P	MB-2561H(F)	STD,1,10 Ford: 351(1970-1974)	MS-1010H
MB-2548P(F)	STD,1,10 GMC: 262(1975-1976)	MS-1523P MS-974P	MB-2561HK(F)	STD,1,10 Ford: 351(71-1974)	MS-1010HK
MB-2553P	STD,1,10,20,30,40,C60 Ford: 240(65-1965); Fordlnd: 240(65-66)	MS-765P MS-979P	MB-2561HX(F)	STD Ford: 351(1970-1974)	MS-1010HX
MB-2554P(F)	STD,1,10,20,30,40,C60 Ford: 240(65-66)	MS-979P	MB-2561HXX(F)	STD Ford: 351(71-1974)	MS-1010HXX
MB-2557P	STD,1,10,20,30,40 CommMar: 351; DearbMar: 351; Ford: 351(69-76)	MS-981P	MB-2561P(F)	STD,10,20,30 Ford: 351(70-1974); FordMar: 351(70-1972); FordTrk: 351(70-1974)	MS-1010P
MB-2558A(F)	CommMar: 351; DearbMar: 351; Ford: 351(77-79)	MS-1432A-10	MB-2561V(F)	STD Ford: 351(1970-1974)	MS-1010V
MB-2558H(F)	STD,1,10,11,9 Ford: 351(1977-1998)	MS-1432H MS-1432HK	MB-2561VG(F)	STD,1 Ford: 351(1970-1974)	MS-1010VG
MB-2558HX(F)	STD Ford: 351(1977-1998)	MS-1432HX MS-1432HXX	MB-2562H	STD,1,10,11,19,20,21,9 GMC: 400(1970-1980)	MS-1038H MS-1038HK
MB-2558P(F)	STD,1,10,20,30,40 CommMar: 351; DearbMar: 351; Ford: 351(69-76)	MS-981P	MB-2562HG	STD GMC: 400(1970-1980)	MS-1038HG
MB2558P(F)	STD,1,10,20,30,40 CommMar: 351; DearbMar: 351; Ford: 351(77-1989)	MS-1432P	MB-2562HX	STD GMC: 400(1970-1980)	MS-1038HX MS-1038HXX
MB-2559H	STD,1,10 Chry: 273(1964-1969)	MS-540H MS-540HK	MB-2562P	STD,1,10,20,30 Avanti: 400(1973-1976); GMC: 400(70-1976); GMCTrk.: 400(74-1976)	MS-1038P MS-2038P-10
MB-2559HX	STD Chry: 273(1964-1969)	MS-540HX MS-540HXX	MB-2562V	STD,10 GMC: 400(1970-1980)	MS-1038V
MB-2559P	STD,10,20,30,40 Chry: 273(64-66)	MS-1344P MS-1701P MS-540P MS-963P	MB-2563H(F)	STD,1,10,11,19,20,21,9 GMC: 400(1970-1980)	MS-1038H MS-1038HK
MB-2559V	STD,1 Chry: 273(1964-1969)	MS-1344V MS-963V	MB-2563HG(F)	STD GMC: 400(1970-1980)	MS-1038HG
			MB-2563HX(F)	STD GMC: 400(1970-1980)	MS-1038HX MS-1038HXX



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Part No.	Undersizes	Contained In	Part No.	Undersizes	Contained In
MB-2563P(F)	STD,1,10,20,30 Avanti: 400(1973-1976); GMC: 400(70-1976); GMCTrk.: 400(74-1976)	MS-1038P	MB-2596P	STD,10,20 Cumm: 1710Diesel	MS-1052P
MB-2563V(F)	STD,10 GMC: 400(1970-1980)	MS-1038V	MB-2597AL	STD,25 Cat: 1964	MS-1058AL MS-1059AL MS-1069AL
MB-2564P	STD,1,10,20,30,40 CommMar: 460; Ford: 429(68-1973)	MS-1039P	MB-2598P	STD,10,20,30 Cumm: 352Diesel	MS-1060P MS-1061P
MB-2564V	STD,10 Ford: 370(1979-1991)	MS-1039V	MB-2598W	STD,10,20,30 Cumm: 352Diesel	MS-1060P MS-1061P
MB-2565P(F)	STD,1,10,20,30,40 CommMar: 460; Ford: 429(68-1973)	MS-1039P	MB-2599P	STD,10,20,30 Cumm: 352Diesel	MS-1060P MS-1061P
MB-2565V(F)	STD,10 Ford: 370(1979-1991)	MS-1039V	MB-2600AL	STD,25 Cat: 1473	MS-1062AL
MB-2573AL	STD,10,20 MasFer: 107Diesel; Perk: 99Diesel	MS-1037AL	MB-2601AL	STD,25 Cat: 1473	MS-1062AL
MB-2578P(F)	STD,10,20,30 AMC: 290(66-1969)	MS-1041P	MB-2602AL	STD,25 Cat: 1473	MS-1062AL
MB-2579P	STD,10,20,30 AMC: 290(66-1969)	MS-1041P	MB-2603AL(F)	STD,25 Cat: 1473	MS-1062AL
MB-2580AL	STD,10,20,30,50 Cat: 425	MS-1113AL MS-1114AL MS-957AL MS-958AL	MB-2604P	STD,10 GMC: 400(1970-1980)	MS-1564P
MB-2580W	STD,10,20,30 Cat: 318Diesel	MS-2020P	MB-2610P	STD,10,20,30 Oliver: 155; Wauk: 155	MS-1423P
MB-2581AL(F)	STD,10,20,30 Cat: 425	MS-957AL MS-958AL	MB-2612P	STD,.026mm,.25mm,.50mm,.75mm Ford: 140(74-1983); FordInd: 140(77-1989); FordTrk: 121(83-88)	MS-1117P
MB-2585AL	STD,25 Cat: 1246	MS-1048AL MS-1049AL	MB-2613P(F)	STD,.026mm,.25mm,.50mm,.75mm Ford: 140(74-1983); FordInd: 140(77-1989); FordTrk: 121(83-88)	MS-1117P
MB-2586AL(F)	STD,25 Cat: 1246	MS-1048AL MS-1049AL	MB-2620P(F)	STD,10,20,30 Chry: 318(74-1989); ChryInd: 318; ChryMar: 318; DodTrk: 318(74-1977); Jeep: 318(93-1998); StksMar: 318; DodTrk: 239(87-1991)	MS-1344P MS-1701P
MB-2588P(F)	STD,1,10,20,30,40 Checker: 230(64-68)	MS-1050P MS-1733P MS-617P	MB-2620V(F)	STD,1 Chry: 318(1974-2002); CustomPerformance: ; Chry: 318(67-2002)	MS-1344V MS-2221V
MB-2589P	STD,10 GMC: 122(75-76)	MS-1050P	MB-2620VX(F)	STD Chry: 318(1974-2002)	MS-1344VX
MB-2590P	STD,10,20,30 Chry: 360(71-1973); ChryMar: 360; DodTrk: 360(71-1973)	MS-1051P	MB-2621P	STD,10,20,30 Cumm: 903Diesel; FordTrac: 903Diesel; MasFer: 903Diesel	MS-1265P
MB-2591P(F)	STD,10,20,30 Chry: 360(71-1973); ChryMar: 360; DodTrk: 360(71-1973)	MS-1051P	MB-2621W	STD,10,20,30 Cumm: 903Diesel; FordTrac: 903Diesel; MasFer: 903Diesel	MS-1265P
MB-2592P	STD,10,20,30 Chry: 360(71-1973); ChryMar: 360; DodTrk: 360(71-1973)	MS-1051P	MB-2622H	STD,1,10,11,9 Chry: 360(74-2002); Chry: 360(71-2002)	MS-1266H MS-1266HG MS-1266HX
MB-2593P	STD,10,20 Cumm: 1710Diesel	MS-1052P	MB-2622HX	STD Chry: 360(71-2002)	MS-1266HGX
MB-2594P	STD,10,20 Cumm: 1710Diesel	MS-1052P	MB-2622P	STD,10,20,30 Chry: 360(74-1979); ChryMar: 360; DodTrk: 360(74-1987); Jeep: 360(98-1998)	MS-1266P
MB-2595P	STD,10,20 Cumm: 1710Diesel	MS-1052P			



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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-2623H(F)	STD,1,10,11,9 Chry: 360(74-2002); Chry: 360(71-2002)	MS-1266H MS-1266HG	MB-2664AL	STD, .25mm, .50mm Ren: 1289(76-79)	MS-1381AL
MB-2623HX(F)	STD Chry: 360(71-2002)	MS-1266HGX	MB-2665AL	STD,10,20 FordTrac: 363Diesel(65-90)	MS-1435AL MS-1480AL
MB-2623P(F)	STD,10,20,30 Chry: 360(74-1979); ChryMar: 360; DodTrk: 360(74-1987); Jeep: 360(98-1998)	MS-1266P	MB-2687P	STD,10,20,30 DetD: 426Diesel(79-88)	MS-1385P MS-1386P
MB2623HX(F)	STD Chry: 360(74-2002)	MS-1266HX	MB-2688P	STD,10,20,30 Alc: 426Diesel	MS-2002P
MB-2624H	STD,1,10,11,9 Chry: 360(74-2002); Chry: 360(71-2002)	MS-1266H MS-1266HG	MB-2689P	STD,10,20,30 Alc: 426Diesel	MS-2002P
MB-2624HX	STD Chry: 360(71-2002); Chry: 360(74-2002)	MS-1266HGX MS-1266HX	MB-2689W	STD,10,20,30 Alc: 426Diesel	MS-2002P
MB-2624P	STD,10,20,30 Chry: 360(74-1979); ChryMar: 360; DodTrk: 360(74-1987); Jeep: 360(98-1998)	MS-1266P	MB-2690P	STD,10 IntInd: 573Diesel; IntTrac: 573Diesel	MS-1388P
MB-2625HG(F)	STD,10 Chry: 413(1974-1977)	MS-1277HG	MB-2691P(F)	STD,10 IntInd: 573Diesel; IntTrac: 573Diesel	MS-1388P
MB-2625P(F)	STD,10,20 Chry: 440(74-1974); ChryInd: 413	MS-1277P	MB-2692AL	STD,10,20,30,40 Ford: 200(75-1979); FordInd: 200(75-1983); FordMar: 200(75-1983); IntcptMar: 200(75-1983); Ford: 140(84-1987)	MS-1389AL MS-1629AL
MB-2626P	STD,10,20,30 IntInd: 312Diesel	MS-1342P	MB-2693AL(F)	STD,10,20,30,40 Ford: 200(75-1979); FordInd: 200(75-1983); FordMar: 200(75-1983); IntcptMar: 200(75-1983); Ford: 140(84-1987)	MS-1389AL MS-1629AL
MB-2627P(F)	STD,10,20,30 IntInd: 312Diesel	MS-1342P	MB-2700AL	STD Peug: 2664(77-1978)	MS-1394AL
MB-2628H	STD,10 IntTrac: 466Diesel	MS-1343H	MB-2731AL	STD,10,20,30 Chry: 225(76-1982); ChryInd: 225(76-1987); ChryMar: 170	MS-1419AL
MB-2628P	STD,10,20,30 IntInd: 414Diesel	MS-1343P	MB-2732AL(F)	STD,10,20,30 Chry: 225(76-1982); ChryInd: 225(76-1987); ChryMar: 170	MS-1419AL
MB-2629H(F)	STD,10 IntTrac: 466Diesel	MS-1343H	MB-2733P	STD,10,20,30 Cat: 636Diesel; MasFer: 636Diesel; Cat: 318Diesel	MS-1420P MS-2020P
MB-2629P(F)	STD,10,20,30 IntInd: 414Diesel	MS-1343P MS-1642P	MB-2734P	STD,10,20,30 Cat: 636Diesel; MasFer: 636Diesel; Cat: 522Diesel	MS-1420P MS-1421P MS-1422P MS-2020P
MB2629H(F)	STD,10 IntTrac: 466Diesel	MS-1642H	MB-2735P(F)	STD,10,20,30 Cat: 636Diesel; MasFer: 636Diesel; Cat: 522Diesel	MS-1420P MS-1421P MS-1422P
MB-2650H	STD,1,10 GMC: 262(1975-1976)	MS-1110H	MB-2736P	STD,10,20,30 Cat: 636Diesel; MasFer: 636Diesel	MS-1422P
MB-2650HX	STD GMC: 262(1975-1976)	MS-1110HX	MB-2737AL	STD, .25mm, .50mm GMC: 85(76-1977)	MS-1424AL
MB-2651C	STD,1,10 GMC: 262(1975-1976)	MS-1110H MS-1110HX	MB-2738AL(F)	STD, .25mm, .50mm GMC: 85(76-1977)	MS-1424AL
MB-2652P	STD,10,20 MilStd: 142	MS-1111P	MB-2739P	STD, .25mm Sub: 1088(71-71)	MS-2083P MS-2084P-.25mm
MB-2653P(F)	STD,10,20 MilStd: 142	MS-1111P			
MB-2661P	STD Vol: 145Diesel(81-1985)	MS-1490P			
MB-2662P(F)	STD Vol: 145Diesel(81-1985)	MS-1490P			



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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-2745AL FordTrk: 110(72-78)	STD, .25mm, .50mm	MS-1427AL	MB-2790AL MasFer: 354Diesel; Perk: 354Diesel	STD, 10	MS-1548AL
MB-2746P Toy: 2189(75-80)	STD, .25mm, .50mm, .75mm	MS-1428P	MB-2791P GMC: 110(82-86)	STD, .25mm, .50mm	MS-2068P
MB-2747G ToyTrk: 3878(72-75)	STD, .25mm, .50mm, .75mm, 1.00mm	MS-1429G MS-1777P MS-2087P-.25mm	MB-2804P Case: 336Diesel; Case: 504Diesel	STD, 10, 20, 30	MS-1495P MS-1496P
MB-2748G ToyTrk: 3878(72-75)	STD, .25mm, .50mm, .75mm, 1.00mm	MS-1429G MS-1777P MS-2087P-.25mm	MB-2804W Case: 336Diesel; Case: 504Diesel	STD, 10, 20, 30	MS-1495P MS-1496P
MB-2749G(F) ToyTrk: 3878(72-75)	STD, .25mm, .50mm, .75mm, 1.00mm	MS-1429G	MB-2805P Case: 336Diesel; Case: 504Diesel	STD, 10, 20, 30	MS-1495P MS-1496P
MB-2750G ToyTrk: 3878(72-75)	STD, .25mm, .50mm, .75mm, 1.00mm	MS-1429G MS-2087P-.25mm	MB-2806P GMC: 173(80-1980); GMCTrk.: 173(82-1985); Jeep: 173(84-1984)	STD, .25mm, .50mm, .75mm, 1.00mm	MS-1494P
MB-2751P Chry: 122(74-1977)	STD, .50mm, .75mm	MS-1430P	MB-2807P GMC: 173(80-1980); GMCTrk.: 173(82-1985); Jeep: 173(84-1984)	STD, .25mm, .50mm, .75mm, 1.00mm	MS-1494P
MB-2752P(F) Chry: 122(74-1977)	STD, .50mm, .75mm	MS-1430P	MB-2808P(F) GMC: 173(80-1980); GMCTrk.: 173(82-1985); Jeep: 173(84-1984)	STD, .25mm, .50mm, .75mm, 1.00mm	MS-1494P
MB-2753P Hon: 1169(73-73)	STD, .25mm, .50mm	MS-1431P	MB-2809P GMC: 173(80-1980); GMCTrk.: 173(82-1985); Jeep: 173(84-1984)	STD, .25mm, .50mm, .75mm, 1.00mm	MS-1494P
MB-2754A CommMar: 351; DearbMar: 351; Ford: 351(77-79)		MS-1432A-10	MB-2810P Case: 251	STD, 10, 20, 30	MS-1497P MS-1498P
MB-2754H Ford: 351(1977-1998)	STD, 1, 10, 11, 9	MS-1432H MS-1432HK	MB-2825P MazInd: 1985(71-1979)	STD, .25mm, .50mm, .75mm	MS-1509P
MB-2754HX Ford: 351(1977-1998)	STD	MS-1432HX MS-1432HXX	MB-2826P(F) MazInd: 1985(71-1979)	STD, .25mm, .50mm, .75mm	MS-1509P
MB-2754P CommMar: 351; DearbMar: 351; Ford: 351(77-1989)	STD, 1, 10, 20, 30, 40	MS-1432P	MB-2827P MazInd: 1985(71-1979)	STD, .25mm, .50mm, .75mm	MS-1509P
MB-2756AL Deere: 531Diesel	STD, 10	MS-1453AL	MB-2853P GMC: 262(1975-1976)	STD, 1, 10	MS-1523P
MB-2757AL(F) Deere: 531Diesel	STD, 10	MS-1453AL	MB-2854P GMC: 121(83-1986); GMCTrk.: 121(83-1984); GMC: 121(87-1987)	STD, 10, 20, 30	MS-1567P MS-1704P MS-2205P
MB-2758AL Ford: 1599(78-1980); FordInd: 98(78-1982)	STD, 10, 20, 30	MS-1455AL	MB-2856P GMC: 121(83-1986); GMCTrk.: 121(83-1984)	STD, 10, 20, 30	MS-1567P
MB-2759AL Ford: 98(71-1973)	STD, 10, 20, 30	MS-1455AL MS-742AL	MB-2857P DetD: 212Diesel	STD, 10, 20	MS-1525P
MB-2760P GMC: 340(66-67)	STD, 10, 20	MS-1457P	MB-2858P Deere: 201	STD, 10, 20, 30	MS-1526P MS-1527P MS-1528P MS-1529P
MB-2761G Maz: 1272(76-1977); MazTrk: 1272(76-1977)	STD	MS-1458G	MB-2859P Deere: 201	STD, 10, 20, 30	MS-1526P MS-1527P MS-1528P MS-1529P
MB-2763P NavInt: 404(75-81)	STD, 10	MS-1460P	MB-2860P Cum: 448Diesel	STD, 10, 20, 30, 40	MS-1531P MS-1687P
MB-2764P(F) NavInt: 404(75-81)	STD, 10	MS-1460P			
MB-2776AL MBenz: 2399Diesel(79-1983)	STD	MS-1537AL			
MB-2789AL MasFer: 354Diesel; Perk: 354Diesel	STD, 10	MS-1548AL			



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Part No.	Undersizes	Contained In	Part No.	Undersizes	Contained In
MB-2861P	STD,10,20,30,40 Cummi: 448Diesel	MS-1531P MS-1687P	MB-2930P(F)	STD,20 Cat: 522Diesel	MS-1592P MS-1593P MS-1594P
MB-2862P	STD,10,20,30,40 Cummi: 448Diesel	MS-1531P MS-1687P	MB-2931P	STD,25mm,50mm Nis: 1488(82-82)	MS-2072P
MB-2863P	STD,026mm,25mm,50mm,75mm Chry: 135(81-90)	MS-1533P	MB-2932P	STD,25mm,50mm Nis: 1488(82-82)	MS-2072P
MB-2864P(F)	STD,026mm,25mm,50mm,75mm Chry: 135(81-90)	MS-1533P	MB-2934P	STD,10,20,30,40 FordTrk: 420Diesel(83-84)	MS-1596P
MB-2865P	STD,25mm,50mm,75mm Ford: 98(81-1984)	MS-1557P	MB-2935P(F)	STD,10,20,30,40 FordTrk: 420Diesel(83-84)	MS-1596P
MB-2866P(F)	STD,25mm,50mm,75mm Ford: 98(81-1984)	MS-1557P	MB-2947AL	STD AMC: 1965(87-1987); Ren: 105(85-1986)	MS-1603AL
MB-2869P	STD,25mm,50mm Chry: 98(71-89)	MS-2076P	MB-2960P	STD,026mm,25mm,50mm,75mm GMC: 249(82-1986)	MS-1705P
MB-2870AL	STD,25mm,50mm Maz: 1272(78-78)	MS-1560AL	MB-2961P	STD,026mm,25mm,50mm,75mm GMC: 249(82-1986)	MS-1705P
MB-2878C	STD,10 GMC: 400(1970-1980)	MS-1564P	MB-2962G	STD Maz: 1272(76-1977); MazTrk: 1272(76-1977)	MS-1458G
MB-2879P	STD,25mm Nis: 1597(87-87)	MS-1565P	MB-2962P(F)	STD,026mm,25mm,50mm,75mm GMC: 249(82-1986)	MS-1705P
MB-2880P(F)	STD,25mm Nis: 1597(87-87)	MS-1565P	MB-2966P	STD,25mm,50mm Hon: 1598(83-90)	MS-1618P
MB-2881P	STD,10,20 DetD: 500Diesel	MS-1566P	MB-2967P	STD,10,20 Alc: 516Diesel; Buda: 516Diesel; Alc: 344Diesel; Buda: 344Diesel	MS-1619P MS-1632P
MB-2882P(F)	STD,10,20 DetD: 500Diesel	MS-1566P	MB-2969P	STD,10,20 Alc: 200Diesel; Alc: 301Diesel	MS-1620P MS-1621P
MB-2883P(F)	STD,10,20,30 GMC: 121(83-1986); GMCTrk.: 121(83-1984); GMC: 121(87-1987)	MS-1567P MS-1704P MS-2205P	MB-2970P(F)	STD,10,20 Alc: 200Diesel; Alc: 301Diesel	MS-1620P MS-1621P
MB-2884P(F)	STD NisTrk: 3956(79-1980)	MS-1569P	MB-2971P	STD,10,20 Alc: 200Diesel; Alc: 301Diesel; Alc: 200	MS-1620P MS-1621P MS-1622P MS-1623P
MB-2885P	STD,25mm,50mm,75mm Nis: 1952(74-1977)	MS-2042P	MB-2972P	STD,10 Alc: 200	MS-1622P MS-1623P
MB-2886P	STD,25mm,50mm,75mm Nis: 1952(74-1977)	MS-2042P	MB-2973P(F)	STD,10 Alc: 200	MS-1622P MS-1623P
MB-2888P	STD,25mm,50mm,75mm Nis: 1952(74-1977)	MS-2042P	MB-2974P	STD,25mm Deere: 619Diesel	MS-1624P
MB-2889AL	STD,25mm,50mm,75mm Sub: 1781(80-1984); SubTrk: 1781(81-1984)	MS-1571AL	MB-2975P	STD,25mm Deere: 619Diesel	MS-1624P
MB-2890AL(F)	STD,25mm,50mm,75mm Sub: 1781(80-1984); SubTrk: 1781(81-1984)	MS-1571AL	MB-2976P	STD,10,20 Cummi: 1150Diesel	MS-1625P
MB-2925P	STD,25mm,50mm,75mm Toy: 2366(82-1982); ToyTrk: 2366(82-1988)	MS-1590P	MB-2977P	STD,10,20 Cummi: 1150Diesel	MS-1625P
MB-2927P	STD,20 Cat: 636Diesel; MasFer: 636Diesel	MS-1593P	MB-2977W	STD,10,20 Cummi: 1150Diesel	MS-1625P
MB-2928P	STD,20 Cat: 636Diesel; MasFer: 636Diesel	MS-1594P			
MB-2929P	STD,20 Cat: 522Diesel	MS-1592P MS-1593P MS-1594P			

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Part No.	Undersizes	Contained In	Part No.	Undersizes	Contained In
MB-2981P(F)			MB-3084P	STD,.25mm,.50mm,.75mm	
Avanti: 305(1981-1988)		MS-1626P-10 MS-1628P-10	GMC: 138(87-1989); GMCTrk.: 138(93-1996)		MS-1703P
MB-2982P(F)	STD,10,30		MB-3085P(F)	STD,.25mm,.50mm,.75mm	
Clark: 69		MS-1627P	GMC: 138(87-1989); GMCTrk.: 138(93-1996)		MS-1703P
MB-2986AL	STD,10,20,30,40		MB-3093P	STD,.25mm,.50mm,.75mm	
Ford: 140(84-1987)		MS-1629AL	Ford: 183(86-2004); FordTrk: 183(86-1997); MazTrk: 183(94-2000)		MS-1702P
MB-2995P			MB-3094P(F)	STD,.25mm,.50mm,.75mm	
FordTrk: 2960(93-98)		MS-2074P-.25mm	Ford: 183(86-2004); FordTrk: 183(86-1997); MazTrk: 183(94-2000)		MS-1702P
MB-2996P			MB-3095P	STD,.25mm,.50mm,.75mm	
FordTrk: 2960(93-98)		MS-2074P-.25mm	Ford: 183(86-2004); FordTrk: 183(86-1997); MazTrk: 183(94-2000)		MS-1702P
MB-2999AL			MB-3103P	STD,.026mm,.25mm,.50mm,.75mm	
Maz: 1998(83-1987); MazTrk: 1998(86-87)		MS-1639AL-.25mm	GMC: 249(82-1986)		MS-1705P
MB-2999P	STD,.25mm		MB-3104P	STD,.25mm,.50mm	
Maz: 1998(83-1987); MazTrk: 1998(86-87)		MS-2046P	Case: 505Diesel; Cummm: 505Diesel		MS-1740P
MB-3004P	STD		MB-3105P(F)	STD,.25mm,.50mm	
MazTrk: 2977Diesel(77-90)		MS-1640P	Case: 505Diesel; Cummm: 505Diesel		MS-1740P
MB-3009P	STD,10,20,30		MB-3107P(F)	STD,.25mm,.50mm	
IntTrac: 466Diesel; NavInt: 466Diesel(84-1993)		MS-1642P	Chry: 201(90-1997)		MS-1946P
MB3009H	STD,10		MB-3108P	STD	
IntTrac: 466Diesel		MS-1642H	Chry: 181(88-1994); DodTrk: 181(87-2000); Hyun: 2972(89-1998); Mits: 2972(88-1999); MitsTrk: 2972(89-1996)		MS-1720P
MB-3011P(F)	STD,10,20,30		MB-3109P(F)	STD,.25mm,.50mm,.75mm	
GMC: 151(85-1989)		MS-1643P	Case: 359Diesel; Cummm: 359Diesel; DodTrk: 359Diesel(89-1993); Case: 239Diesel; Cummm: 239Diesel; Case: 180Diesel; Cummm: 180Diesel		MS-1717P MS-1718P MS-1719P
MB-3049P	STD,.25mm		MB-3110P	STD,.25mm,.50mm,.75mm	
Chry: 86(79-1981)		MS-1668P MS-2075P-.25mm	Case: 359Diesel; Cummm: 359Diesel; DodTrk: 359Diesel(89-1993); Case: 239Diesel; Cummm: 239Diesel; Case: 180Diesel; Cummm: 180Diesel		MS-1717P MS-1718P MS-1719P
MB-3050P(F)	STD,.25mm		MB-3111M	STD,1,10	
Chry: 86(79-1981)		MS-1668P	GMC: 366(1966-1998)		MS-1732M
MB-3051P	STD		MB-3115P	STD,.25mm	
GMC: 111Diesel(81-1986); Isu: 1817Diesel(81-1984)		MS-1669P	Mitslnd: 2659Diesel(71-1991)		MS-1712P
MB-3052P	STD		MB-3117P	STD,10,20	
GMC: 111Diesel(81-1986); Isu: 1817Diesel(81-1984)		MS-1669P	MercMar: 224		MS-1741P
MB-3053AL	STD,.25mm,.50mm,.75mm		MB-3118P(F)	STD,10,20	
Chry: 122(78-1978)		MS-1945AL	MercMar: 224		MS-1741P
MB-3061P	STD,.25mm,.50mm,.75mm		MB-3119P(F)		
Isu: 1949(86-87)		MS-1775P	Avanti: 305(1981-1988)		MS-1744P-10 MS-2215P-10
MB-3063P(F)			MB-3123P		
ChrisCft: 225; GMC: 181(82-88)		MS-1688P-10	ChrisCft: 454; FlagMar: 427		MS-1748P-10
MB-3073P	STD,.25mm,.50mm,.75mm		MB-3124P(F)		
Ford: 116(85-1990)		MS-1706P	CommMar: 302; DearbMar: 289		MS-1746P-10
MB-3074P(F)	STD,.25mm,.50mm,.75mm		MB-3125P(F)		
Ford: 116(85-1990)		MS-1706P	ChrisCft: 225; GMC: 181(82-88)		MS-1747P-10
MB-3075P(F)	STD,10		MB-3126P	STD,.25mm	
Wauk: 3560Diesel; Wauk: 5340Diesel		MS-1699P MS-1700P	Ford: 183(89-1995)		MS-1773P
MB-3076P	STD,10		MB-3127P	STD,.25mm	
Wauk: 3560Diesel; Wauk: 5340Diesel		MS-1699P MS-1700P	Ford: 183(89-1995)		MS-1773P
MB-3077P	STD,.25mm,.50mm,.75mm				
Cumm: 611Diesel		MS-1716P			
MB-3078W	STD,.25mm,.50mm,.75mm				
Cumm: 611Diesel		MS-1716P			



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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-3130P(F)	STD, .25mm, .50mm, .75mm Ford: 140(91-1993); FordInd: 140(89-1993); FordTrk: 140(89-1997)	MS-1743P	MB-3160P	STD, .25mm, .50mm, .75mm IsuTrk: 2499Diesel(85-1990)	MS-1799P
MB-3135H	STD, 1 CustomPerformance:	MS-2260H	MB-3166AL	STD, .25mm, .50mm GMC: 98(88-1988)	MS-1801AL
MB-3135HX	STD CustomPerformance:	MS-2260HX	MB-3167AL(F)	STD, .25mm, .50mm GMC: 98(88-1988)	MS-1801AL
MB-3135P	STD, 1, 10, 20, 30, 40 Avanti: 327(1965-1967); Checker: 283(65-67)	MS-1050P MS-1643P MS-1733P MS-429P MS-558P MS-606P MS-617P	MB-3170P	STD, .25mm FordTrk: 134Diesel(83-1984); MazTrk: 2209Diesel(82-1984)	MS-1778P
MB-3137P	STD, .25mm, .50mm, .75mm Ford: 140(91-1993); FordInd: 140(89-1993); FordTrk: 140(89-1997)	MS-1743P	MB-3171P	STD, .25mm FordTrk: 134Diesel(83-1984); MazTrk: 2209Diesel(82-1984)	MS-1778P
MB-3138P	STD, .25mm, .50mm, .75mm Ford: 232(89-1995)	MS-1782P	MB-3172AL	STD, .25mm, .50mm GMC: 61(85-1985); Suz: 993(85-1993); SuzTrk: 993(85-1985); GMC: 79(92-1999); Suz: 1298(89-1992); SuzTrk: 1298(89-1989)	MS-1708AL MS-1779AL
MB-3139A	STD, .25mm, .50mm Avanti: 281(05-2006); Ford: 281(05-2006)	MS-2259A	MB-3173AL	STD, .25mm, .50mm, .75mm Ford: 81(88-97)	MS-1802AL
MB-3139H	STD, .026mm, .25mm Ford: 281(1991-2004); Ford: 281(2005-2006)	MS-2007H MS-2259H	MB-3174AL	STD, .25mm, .50mm, .75mm Ford: 134(89-1992); KiaTrk: 1998(95-2002); Maz: 1998(87-87)	MS-1803AL
MB-3139HK	STD, .026mm, .25mm Ford: 281(91-2004)	MS-2007HK	MB-3175AL(F)	STD, .25mm, .50mm, .75mm Ford: 134(89-1992); KiaTrk: 1998(95-2002); Maz: 1998(87-87)	MS-1803AL
MB-3139HX	STD Ford: 281(1991-2004)	MS-2007HX	MB-3176P	STD, .25mm, .50mm Acura: 1590(86-2000); Hon: 1590(88-88)	MS-1804P
MB-3139HX	STD Ford: 281(2005-2006)	MS-2259HX	MB-3177P	STD Acura: 2494(86-87)	MS-1805P
MB-3139HXX	STD Ford: 281(91-2004)	MS-2007HXX	MB-3178AL	STD, .25mm, .50mm Hon: 1342(84-86)	MS-1806AL
MB-3139P	STD, .25mm, .50mm, .75mm Ford: 281(93-1997); FordTrk: 281(97-1999); Ford: 281(96-1996); FordTrk: 281(97-1998)	MS-2007P MS-2202P MS-2203P MS-2204P	MB-3184P	STD Jag: 5343(71-1979)	MS-1811P
MB-3139W	STD, .026mm, .25mm, .50mm, .75mm Ford: 281(1991-2004); Ford: 281(91-2004); Ford: 281(03-2004); Ford: 281(96-1996); FordTrk: 281(97-1998)	MS-2007H MS-2007HK MS-2007HX MS-2007HXX MS-2198H MS-2198HK MS-2198HX MS-2198HXX MS-2202P MS-2203P	MB-3185P	STD Jag: 5343(71-1979)	MS-1811P
MB-3140P(F)	STD, .25mm, .50mm, .75mm Ford: 281(93-1997); FordTrk: 281(97-1999)	MS-2007P	MB-3186P	STD Jag: 5343(71-1979)	MS-1811P
MB-3148P	STD, .25mm, .50mm GMCTrk.: 3856Diesel(87-1991); IsuTrk: 3856Diesel(85-1999)	MS-1752P	MB-3187A	STD Ford: 232(82-1986)	MS-1812A-.25mm
MB-3149P	STD, .25mm, .50mm GMCTrk.: 3856Diesel(87-1991); IsuTrk: 3856Diesel(85-1999); IsuTrk: 5393Diesel(80-1990)	MS-1752P MS-1798P	MB-3187P	STD, .25mm, .50mm, .75mm Ford: 232(89-1995); Ford: 232(82-1983)	MS-1782P MS-1812P
MB-3150AL	STD, .25mm, .50mm, .75mm GMC: 92(85-1988)	MS-1776AL	MB-3188A(F)	STD Ford: 232(82-1986)	MS-1812A-.25mm
			MB-3188P(F)	STD, .25mm, .50mm, .75mm Ford: 232(89-1995); Ford: 232(82-1983)	MS-1782P MS-1812P
			MB-3193AL	STD, .25mm Toy: 1839Diesel(84-1985)	MS-1710AL
			MB-3194AL	STD Toy: 1839Diesel(85-85)	MS-1814AL
			MB-3195P	STD, .25mm, .50mm, .75mm ToyTrk: 3956(88-92)	MS-1777P



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Part No.	Undersizes	Contained In	Part No.	Undersizes	Contained In
MB-3196P	STD.,25mm.,50mm.,75mm ToyTrk: 3956(88-92)	MS-1777P	MB-3343P	STD.,25mm.,50mm Nis: 1597(89-1995)	MS-1950P
MB-3198P	STD.,25mm.,50mm,1.00mm Toy: 2759(84-88)	MS-1774P	MB-3344P	STD.,25mm.,50mm FordTrk: 2960(93-98)	MS-1951P
MB-3199P	STD.,25mm.,50mm,1.00mm Toy: 2759(84-88)	MS-1774P	MB-3345P	STD.,25mm.,50mm FordTrk: 2960(93-98)	MS-1951P
MB-3200AL	STD.,25mm.,50mm Toy: 1995(83-86)	MS-1714AL	MB-3346P(F)	STD.,25mm.,50mm FordTrk: 2960(93-98)	MS-1951P
MB-3201AL	STD.,25mm.,50mm Toy: 1995(83-86)	MS-1714AL	MB-3347P	STD.,25mm.,50mm Maz: 2954(88-1994); MazTrk: 2954(89-1997)	MS-1952P
MB-3202P	STD,10,20,30 Ford: 244(05-2005); FordTrk: 177(90-92)	MS-2006P	MB-3348AL	STD.,25mm.,50mm Toy: 1456(87-1988)	MS-1953AL
MB-3207AL	STD.,25mm.,50mm.,75mm ToyTrk: 1998(84-85)	MS-1715AL	MB-3349P	STD.,25mm.,50mm Lex: 2507(90-91)	MS-1954P
MB-3209AL	STD.,25mm.,50mm.,75mm GMCTrk.: 97(89-2002); Suz: 1590(95-1998); SuzTrk: 1590(89-1998)	MS-1820AL	MB-3350P	STD.,25mm.,50mm Lex: 2507(90-91)	MS-1954P MS-2011P
MB-3210AL	STD.,25mm.,50mm HonTrk: 2559(94-1996); IsuTrk: 2559(88-1991)	MS-1821AL	MB-3355P	STD.,25mm.,50mm.,75mm Toy: 1345(67-1978); ToyInd: 1345(67-78)	MS-1955P
MB-3212AL	STD,20,30 DbTrac: 219	MS-1792AL	MB-3410P	STD,10,20 Mack: 728Diesel	MS-1982P
MB-3213P	STD,10,20,30 GMC: 204(91-1993)	MS-1822P MS-2021P MS-2022P	MB-3411P	STD,10,20 Mack: 728Diesel	MS-1982P
MB-3214P(F)	STD,10,20,30 GMC: 204(91-1993)	MS-1822P MS-2021P MS-2022P	MB-3412P	STD,10,20 Mack: 728Diesel	MS-1982P
MB-3215P	STD,10,20,30 GMC: 204(91-1993)	MS-1822P	MB-3413P	STD,10,20 Mack: 728Diesel	MS-1982P
MB-3248M	STD,20 Chry: 426(1963-1971)	MS-1795M	MB-3414P	STD,10 Cat: 318Diesel	MS-2000P
MB-3248V	STD,10 Chry: 426(1963-1971)	MS-1795V	MB-3415P	STD,10 Cat: 318Diesel	MS-2000P
MB-3249M(F)	STD,20 Chry: 426(1963-1971)	MS-1795M	MB-3416P(F)	STD,10,20,30 Ford: 159(72-73)	MS-1983P
MB-3249V(F)	STD,10 Chry: 426(1963-1971)	MS-1795V	MB-3449P	STD.,25mm.,50mm Komatsu: 19260Diesel; Komatsu: 12840Diesel(71-1994)	MS-2001P MS-2055P
MB-3337P	STD,10,20,30 Jeep: 242(91-1992); DodTrk: 150(96-1996); Jeep: 150(91-1995)	MS-1947P MS-1948P	MB-3450P	STD.,25mm.,50mm Komatsu: 19260Diesel; Komatsu: 12840Diesel(71-1994)	MS-2001P MS-2055P
MB-3338P(F)	STD,10,20,30 Jeep: 242(91-1992); DodTrk: 150(96-1996); Jeep: 150(91-1995)	MS-1947P MS-1948P	MB-3451W	STD,10 Cat: 318Diesel	MS-2000P
MB-3339AL(F)	STD.,25mm.,50mm.,75mm Chry: 122(78-1978)	MS-1945AL	MB-3452P	STD,10,20 Cumm: 2301Diesel; Cumm: 3068Diesel	MS-2018P MS-2019P
MB-3340P	STD.,25mm.,50mm.,75mm Chry: 201(90-1997)	MS-1946P MS-2010P	MB-3453P	STD,10,20 Cumm: 2301Diesel; Cumm: 3068Diesel	MS-2018P MS-2019P
MB-3341P	STD.,25mm.,50mm Nis: 2389(89-1998); NisTrk: 2389(89-1999)	MS-1949P MS-2080P-.25mm	MB-3453W	STD,10,20 Cumm: 2301Diesel; Cumm: 3068Diesel	MS-2018P MS-2019P
MB-3342P(F)	STD.,25mm.,50mm Nis: 2389(89-1998); NisTrk: 2389(89-1999)	MS-1949P	MB-3454P	STD.,25mm.,50mm Cat: 268Diesel; Cat: 403Diesel	MS-2064P MS-2065P MS-2219P



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Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-3455P	STD, .25mm, .50mm Cat: 268Diesel; Cat: 403Diesel	MS-2064P MS-2065P	MB-3506P	STD, 10, 20, 30 DodTrk: 488(94-2003)	MS-2200P
MB-3456P(F)	STD, .25mm, .50mm Cat: 268Diesel; Cat: 403Diesel	MS-2064P MS-2065P MS-2219P	MB-3507P	STD, 10, 20, 30 DodTrk: 488(94-2003)	MS-2200P
MB-3459P	STD, .25mm, .50mm Sub: 997(83-90)	MS-2003P	MB-3508P(F)	STD, 10, 20, 30 DodTrk: 488(94-2003)	MS-2200P
MB-3460P(F)	STD, .25mm, .50mm Sub: 997(83-90)	MS-2003P	MB-3510P(F)	Avanti: 400(1973-1976); GMC: 400(70-1976); GMCTrk.: 400(74-1976)	MS-2038P-10
MB-3467P(F)	STD, 10, 20, 30 Ford: 244(05-2005); FordTrk: 177(90-92)	MS-2006P	MB-3511A	GMC: 173(85-89)	MS-2037A-.25mm
MB-3468P	STD, .25mm, .50mm Sat: 116(91-2000)	MS-2009P	MB-3511P	STD, .25mm, .50mm, .75mm, 1.00mm GMC: 173(85-87)	MS-2037P
MB-3469P(F)	STD, .25mm, .50mm Sat: 116(91-2000)	MS-2009P	MB-3512A	GMC: 173(85-89)	MS-2037A-.25mm
MB-3470P	STD Mack: 335Diesel	MS-2008P	MB-3512P	STD, .25mm, .50mm, .75mm, 1.00mm GMC: 173(85-87)	MS-2037P
MB-3471P(F)	STD, .25mm, .50mm, .75mm Chry: 215(93-1997); DodTrk: 215(04-2006); Eagle: 215(93-1997)	MS-2010P	MB-3513A(F)	GMC: 173(85-89)	MS-2037A-.25mm
MB-3472P	STD, .25mm, .50mm ToyTrk: 2958(88-1994)	MS-2011P	MB-3513P(F)	STD, .25mm, .50mm, .75mm, 1.00mm GMC: 173(85-87)	MS-2037P
MB-3474P	STD, .25mm, .50mm Acura: 2156(97-1997); Hon: 2156(90-1991)	MS-2012P	MB-3514P	STD, .25mm, .50mm, .75mm GMC: 146(96-1996)	MS-2056P
MB-3475P	STD Lex: 3969(90-1998)	MS-2013P	MB-3515P(F)	STD, .25mm, .50mm, .75mm GMC: 146(96-1996)	MS-2056P
MB-3476P	STD Lex: 3969(90-1998)	MS-2013P	MB-3519P(F)	STD, .25mm, .50mm, .75mm Nis: 1952(74-1977)	MS-2042P
MB-3477AL	STD, .25mm Lex: 2997(92-1998); Toy: 2997(93-1998)	MS-2014AL	MB-3523P(F)	STD, .25mm Maz: 1998(83-1987); MazTrk: 1998(86-87)	MS-2046P
MB-3478P	STD, .25mm Inf: 1998(91-1996); Nis: 1998(91-1993)	MS-2015P	MB-3544AL	STD, .25mm, .50mm Ford: 122(93-1996); Maz: 1991(93-1997)	MS-2057AL
MB-3494P	STD, 10, 20, 30 GMC: 231(94-1994); GMCTrk.: 231(94-1994); GMC: 231(95-1995); GMCTrk.: 231(95-1995)	MS-2021P MS-2022P	MB-3545AL	STD, .25mm Ford: 153(93-1997); Maz: 2254(95-1996)	MS-2058AL
MB-3495P	STD, 10, 20, 30 GMC: 231(95-1995); GMCTrk.: 231(95-1995)	MS-2022P	MB-3546AL	STD, .25mm Ford: 153(93-1997); Maz: 2254(95-1996)	MS-2058AL
MB-3497P	STD, 10, 20, 30 FordTrk: 444Diesel(94-1998); MercMar: 444Diesel; NavInt: 444Diesel(94-1997)	MS-2034P	MB-3547P	STD Inf: 4130(97-98)	MS-2060P
MB-3498P(F)	STD, 10, 20, 30 FordTrk: 444Diesel(94-1998); MercMar: 444Diesel; NavInt: 444Diesel(94-1997)	MS-2034P	MB-3548P	STD Inf: 4130(97-98)	MS-2060P
MB-3502AL	STD, .25mm MazTrk: 2606(89-1993)	MS-2035AL	MB-3549P	STD Inf: 4130(97-98)	MS-2060P
MB-3503AL(F)	STD, .25mm MazTrk: 2606(89-1993)	MS-2035AL	MB-3550AL	STD, .25mm Lex: 2997(92-1998); Toy: 2997(93-1998)	MS-2014AL
MB-3504P	STD, .25mm, .50mm Chry: 122(92-1992)	MS-2039P	MB-3551AL	STD, .25mm, .50mm, .75mm LexTrk: 4476(96-1997); ToyTrk: 4476(93-1997)	MS-2061AL
MB-3505P(F)	STD, .25mm, .50mm Chry: 122(92-1992)	MS-2039P	MB-3552ALA	STD, .25mm, .50mm Sub: 1820(93-97)	MS-2062AL MS-2258AL
			MB-3552ALB	STD, .25mm, .50mm Sub: 1820(93-97)	MS-2062AL MS-2258AL



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Part No.	Undersizes	Contained In	Part No.	Undersizes	Contained In
MB-3553AL(F)	STD, .25mm, .50mm Sub: 1820(93-97)	MS-2062AL	MB-3592HX(F)	STD GMC: 294(99-07)	MS-2199HX MS-2199HXX
MB-3555P	STD, 10, 20 DetD: 530(95-2001)	MS-2096P	MB-3592P(F)	STD, 10, 20, 30 GMC: 346(97-2002)	MS-2199P
MB-3556P(F)	STD, 10, 20 DetD: 530(95-2001)	MS-2096P	MB-3594H	STD, .026mm, .25mm Chry: 148(03-2004)	MS-2246H
MB-3561P	STD, 10, 20 DetD: ; DetD: 677	MS-2092P MS-2093P	MB-3594HX	STD Chry: 148(03-2004)	MS-2246HX
MB-3562P	STD, 10, 20 DetD: ; DetD: 677	MS-2092P MS-2093P	MB-3594P	STD, .25mm, .50mm Chry: 148(95-2005); DodTrk: 148(96-2003); Chry: 148(03-2005)	MS-2201P MS-2246P
MB-3564V	STD Chry: 426(1963-1971)	MS-2067V	MB-3595P(F)	STD, .25mm, .50mm Chry: 148(95-2005); DodTrk: 148(96-2003)	MS-2201P
MB-3565P(F)	STD, .25mm, .50mm GMC: 110(82-86)	MS-2068P	MB-3596P	STD, .25mm, .50mm, .75mm Chry: 167(98-2003)	MS-2209P
MB-3567P(F)	STD, .25mm, .50mm Audi: 1471(73-74)	MS-2070P-.25mm	MB-3597P	STD, .25mm, .50mm Chry: 197(98-01)	MS-2210P
MB-3568P(F)	STD, .25mm, .50mm Nis: 1488(82-82)	MS-2072P	MB-3748P	STD, .25mm Komatsu: 674Diesel	MS-2197P
MB-3570P(F)	STD, .25mm, .50mm FordTrk: 2960(93-98)	MS-2074P-.25mm	MB-3749P	STD, 10, 20, 30 GMC: 134(98-2002); GMCTrk.: 134(98-2003); IsuTrk: 134(98-2000)	MS-2205P
MB-3571P(F)	STD, .25mm, .50mm Chry: 86(79-84)	MS-2075P-.25mm	MB-3750P	STD, .25mm, .50mm, .75mm Ford: 155(95-00)	MS-2207P MS-2214P
MB-3572P(F)	STD, .25mm, .50mm Chry: 98(71-89)	MS-2076P	MB-3751P(F)	STD, .25mm, .50mm, .75mm Ford: 155(95-00)	MS-2207P
MB-3576P(F)	STD, .25mm, .50mm Nis: 2389(89-1998); NisTrk: 2389(89-1999)	MS-2080P-.25mm	MB-3752P	STD, .25mm, .50mm, .75mm Ford: 281(96-1996); FordTrk: 281(97-1998)	MS-2202P MS-2203P
MB-3577P(F)	STD, .25mm, .50mm Nis: 2393(70-73)	MS-2081P-.25mm	MB-3753H	STD, .026mm, .25mm Ford: 1989(1995-2003); Maz: 1989(2001-2003)	MS-2208H
MB-3579P(F)	STD, .25mm Sub: 1088(71-71)	MS-2083P	MB-3753HX	STD Ford: 1989(1995-2003); Maz: 1989(2001-2003)	MS-2208HX
MB-3580P(F)	STD, .25mm, .50mm Sub: 1595(78-1978); SubTrk: 1595(78-1978)	MS-2084P-.25mm	MB-3753P	STD, .25mm, .50mm, .75mm Ford: 1989(95-2003); FordTrk: 1989(01-2002); MazTrk: 1989(01-2003)	MS-2208P
MB-3583P(F)	STD, .25mm, .50mm ToyTrk: 3878(72-75)	MS-2087P-.25mm	MB-3754H(F)	STD, .026mm, .25mm Ford: 1989(1995-2003); Maz: 1989(2001-2003)	MS-2208H
MB-3587P	STD, .026mm, .25mm, .50mm, .75mm GMCTrk.: 379Diesel(82-86)	MS-2091P	MB-3754HX(F)	STD Ford: 1989(1995-2003); Maz: 1989(2001-2003)	MS-2208HX
MB-3588P(F)	STD, .026mm, .25mm, .50mm, .75mm GMCTrk.: 379Diesel(82-86)	MS-2091P	MB-3754P(F)	STD, .25mm, .50mm, .75mm Ford: 1989(95-2003); FordTrk: 1989(01-2002); MazTrk: 1989(01-2003)	MS-2208P
MB-3589P	STD, .026mm, .25mm, .50mm, .75mm GMCTrk.: 379Diesel(82-86)	MS-2091P	MB-3755P(F)	STD, .25mm, .50mm, .75mm Ford: 281(91-1992)	MS-2204P
MB-3591H	STD, 1, 10 GMC: 294(99-07)	MS-2199H MS-2199HK	MB-3758P	STD, .25mm, .50mm, .75mm GMC: 244(95-2002)	MS-2206P
MB-3591HX	STD GMC: 294(99-07)	MS-2199HX MS-2199HXX	MB-3759P(F)	STD, .25mm, .50mm, .75mm GMC: 244(95-2002)	MS-2206P
MB-3591P	STD, 10, 20, 30 GMC: 346(97-2002)	MS-2199P	MB-3760P	STD, .25mm, .50mm Acura: 1678(92-93)	MS-2095P
MB-3592H(F)	STD, 1, 10 GMC: 294(99-07)	MS-2199H MS-2199HK			



NUMERICAL LISTING OF CLEVITE INDIVIDUAL MAIN BEARINGS

Part No.	Undersizes	Contained In	Part No.	Undersizes	Contained In
MB-3764AL	STD,.25mm,.50mm,.75mm GMC: 98(85-97)	MS-2211AL	MB-3783P	STD,10,20 GMC: 212(99-2002)	MS-2225AL
MB-3765AL	STD,.25mm,.50mm ToyTrk: 2438(95-01)	MS-2212AL	MB-3784P(F)	STD,10,20 GMC: 212(99-2002)	MS-2225AL
MB-3766AL	STD,.25mm,.50mm ToyTrk: 2438(95-01)	MS-2212AL	MB-3785V	STD,1 CustomPerformance: ; Chry: 318(67-2002)	MS-2221V
MB-3767AL	STD,.25mm,.50mm Chry: 112(92-1994); Eagle: 112(92-1993); Mits: 1834(93-1994); MitsTrk: 1834(92-1994)	MS-2213AL	MB-3787P	STD,.25mm,.50mm,.75mm FordTrk: 363Diesel(03-2006); NavInt: 363Diesel(03-2005)	MS-2223P
MB-3770AL	STD,.25mm,.50mm ToyTrk: 2438(95-01)	MS-2212AL	MB-3788P(F)	STD,.25mm,.50mm,.75mm FordTrk: 363Diesel(03-2006); NavInt: 363Diesel(03-2005)	MS-2223P
MB-3771P	STD,.25mm,.50mm DodTrk: 287(00-2003); Jeep: 287(99-2001)	MS-2216P	MB-3789HG	STD,10 Chry: 413(1959-1973)	MS-2233HG
MB-3772AL	STD,.25mm,.50mm Ford: 281(93-2004); FordTrk: 281(02-2004); Panoz: 281(2003-2004)	MS-2198AL	MB-3790P	STD,.25mm,.50mm DodTrk: 287(05-2005); Jeep: 287(02-2004); DodTrk: 226(02-2005); Jeep: 226(02-2005)	MS-2242P MS-2244P
MB-3772H	STD,.026mm,.25mm Ford: 281(03-2004)	MS-2198H	MB-3791P	STD,.25mm,.50mm,.75mm Chry: 181(88-1994); DodTrk: 181(87-2000); Hyun: 2972(89-1998); Mits: 2972(88-1988); MitsTrk: 2972(89-1998)	MS-2226P
MB-3772HK	STD,.026mm,.25mm Ford: 281(03-2004)	MS-2198HK	MB-3792AL	STD,.25mm,.50mm Audi: 1781(97-2000); VW: 1781(98-2000)	MS-2227AL
MB-3772HX	STD Ford: 281(03-2004)	MS-2198HX	MB-3793AL	STD,.25mm,.50mm Audi: 1781(97-2000); VW: 1781(98-2000)	MS-2227AL
MB-3772HXX	STD Ford: 281(03-2004)	MS-2198HXX	MB-3795P	STD Audi: 2771(98-1999); VW: 2771(98-1999)	MS-2228P
MB-3773AL(F)	STD,.25mm,.50mm Ford: 281(93-2004); FordTrk: 281(02-2004); Panoz: 281(2003-2004)	MS-2198AL	MB-3797AL	STD,.25mm VW: 2792(92-1994)	MS-2229AL
MB-3774AL	STD,10,20 GMCTrk.: 496(01-2002); GMCMar: 496(01-2007); MercMar: 496(01-2003); Workhorse: 496(02-2005)	MS-2235AL	MB-3799AL	STD,.25mm Vol: 142(94-2002)	MS-2230AL
MB-3775AL(F)	STD,10,20 GMCTrk.: 496(01-2002); GMCMar: 496(01-2007); MercMar: 496(01-2003); Workhorse: 496(02-2005)	MS-2235AL	MB-3800AL(F)	STD,.25mm Vol: 142(94-2002)	MS-2230AL
MB-3776P	STD,.25mm,.50mm GMCTrk.: 403Diesel(01-2004); Workhorse: 403Diesel(04-2004)	MS-2218P	MB-3801AL	STD Vol: 178(92-1998)	MS-2231AL
MB-3778P	STD,.25mm,.50mm ToyInd: 2771	MS-2217P	MB-3802AL(F)	STD Vol: 178(92-1998)	MS-2231AL
MB-3779P	STD,.25mm,.50mm ToyInd: 2771	MS-2217P	MB-3803P	STD,.25mm,.50mm Hyun: 1495(94-1999)	MS-2234P
MB-3780H	STD,.026mm,.23mm,.25mm,.28mm Chry: 345(03-05)	MS-2220H	MB-3804P(F)	STD,.25mm,.50mm Hyun: 1495(94-1999)	MS-2234P
MB-3780HX	STD Chry: 345(03-05)	MS-2220HX	MB-3805P	STD,.25mm,.50mm AcuraTrk: 3165(96-1997); HonTrk: 3165(94-1997); IsuTrk: 3165(92-1997)	MS-2236P
MB-3780P	STD,.25mm,.50mm Chry: 345(05-2005)	MS-2220P	MB-3806P	STD,.25mm,.50mm AcuraTrk: 3165(96-1997); HonTrk: 3165(94-1997); IsuTrk: 3165(92-1997)	MS-2236P
MB-3781P	STD,10,20 GMCTrk.: 254(02-2007); IsuTrk: 254(03-2007); SaabTruck: 254(05-2005); GMCTrk.: 169(04-2006); IsuTrk: 169(06-2006); GMCTrk.: 211(04-2006); Hummer: 211(06-2006); IsuTrk: 211(06-2006)	MS-2224AL MS-2249AL MS-2250AL	MB-3808P	STD,.25mm,.50mm Maz: 1844(92-1994)	MS-2237P
MB-3782P(F)	STD,10,20 GMCTrk.: 254(02-2007); IsuTrk: 254(03-2007); SaabTruck: 254(05-2005); GMCTrk.: 169(04-2006); IsuTrk: 169(06-2006); GMCTrk.: 211(04-2006); Hummer: 211(06-2006); IsuTrk: 211(06-2006)	MS-2224AL MS-2249AL MS-2250AL	MB-3809P	STD,.25mm,.50mm Maz: 1844(92-1994)	MS-2237P
			MB-3811P	STD,.25mm,.50mm Mits: 3497(97-2002); MitsTrk: 3497(94-1997)	MS-2238P



NUMERICAL LISTING OF CLEVITE INDIVIDUAL MAIN BEARINGS

Part No. Application	Undersizes	Contained In	Part No. Application	Undersizes	Contained In
MB-3813P	STD, .25mm, .50mm Chry: 2497(95-2000); Mits: 2497(95-1995)	MS-2239P	MB-3833C(F)	Ford: 351(1969-1998)	MS-2254-SEMI
MB-3814P	STD, .25mm, .50mm Lex: 2995(94-2002); LexTrk: 2995(99-2002); Toy: 2995(94-1996); ToyTrk: 2995(98-2002)	MS-2240P	MB-3834P	STD, 10, 20 NavInt: 466Diesel(02-2003)	MS-2252P
MB-3815P	STD, .25mm, .50mm Lex: 2995(94-2002); LexTrk: 2995(99-2002); Toy: 2995(94-1996); ToyTrk: 2995(98-2002)	MS-2240P	MB-3835P(F)	STD, 10, 20 NavInt: 466Diesel(02-2003)	MS-2252P
MB-3817P	STD, .25mm, .50mm ToyTrk: 3378(95-2002)	MS-2241P	MB-3840AL(F)	STD, .25mm, .50mm Sub: 1820(96-1995)	MS-2258AL
MB-3818P	STD, .25mm, .50mm ToyTrk: 3378(95-2002)	MS-2241P	MB-3841A	STD, .25mm, .50mm Avanti: 281(05-2006); Ford: 281(05-2006)	MS-2259A
MB-3819ALU	STD, .25mm, .50mm Scion: 2362(05-2005); Toy: 2362(02-2005); ToyTrk: 2362(01-2005)	MS-2243AL	MB-3841H	STD, .026mm, .25mm Ford: 281(2005-2006)	MS-2259H
MB-3822AL	STD, .25mm, .50mm Ford: 121(04-2005)	MS-2245AL	MB-3841HX	STD Ford: 281(2005-2006)	MS-2259HX
MB-3823AL(F)	STD, .25mm, .50mm Ford: 121(04-2005)	MS-2245AL	MB-3842A(F)	STD, .25mm, .50mm Avanti: 281(05-2006); Ford: 281(05-2006)	MS-2259A
MB-3824AL	STD, 10, 20, 30 GMC: 134(02-2005); Sat: 134(00-2003); SaturnTruck: 134(02-2003)	MS-2232AL	MB-3842H(F)	STD, .026mm, .25mm Ford: 281(2005-2006)	MS-2259H
MB-3825AL(F)	STD, 10, 20, 30 GMC: 134(02-2005); Sat: 134(00-2003); SaturnTruck: 134(02-2003)	MS-2232AL	MB-3842HX(F)	STD Ford: 281(2005-2006)	MS-2259HX
MB-3826P	STD, .25mm, .50mm DodTrk: 164Diesel(04-2003); FrghTrk: 164Diesel(04-2005)	MS-2248P	MB-4000P(F)	STD, .25mm, .50mm Chry: 122(95-1995)	MS-2028P MS-2257P
MB-3828H(F)	STD, .026mm, .25mm Chry: 148(03-2004)	MS-2246H	MB-4001P	STD, .25mm, .50mm Chry: 122(95-1995)	MS-2028P MS-2257P
MB-3828HX(F)	STD Chry: 148(03-2004)	MS-2246HX	MB-4002H	STD, 1, 10 Chry: 488(92-2002)	MS-2253H
MB-3828P(F)	STD, .25mm, .50mm Chry: 148(03-2005)	MS-2246P	MB-4002HX	STD Chry: 488(92-2002)	MS-2253HX
MB-3830H	STD, 1, 10 Ford: 351(1969-1998)	MS-2256H	MB-4003H(F)	STD, 1, 10 Chry: 488(92-2002)	MS-2253H
MB-3830HX	STD Ford: 351(1969-1998)	MS-2256HX	MB-4003HX(F)	STD Chry: 488(92-2002)	MS-2253HX
MB-3831C	Ford: 351(1969-1998)	MS-2254-SEMI MS-2255-SEMI	MB-4004P	STD, 20 FordTrac: 401Diesel(86-97)	MS-2030P
MB-3832C(F)	Ford: 351(1969-1998)	MS-2255-SEMI	MB-4005P(F)	STD, 20 FordTrac: 401Diesel(86-97)	MS-2030P



NUMERICAL LISTING OF CLEVITE BEARING SHIM SETS					
Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
SM-104S		SM-118S		SM-124S	
Contents: (1)SM-106		Contents: (1)SM-106 (1)SM-107 (1)SM-108 (1)SM-129		Contents: (1)SM-106 (1)SM-107 (1)SM-108 (1)SM-129 (1)SM-130 (1)SM-131 (1)SM-140 (1)SM-141	
SM-105S		SM-119S			
Contents: (1)SM-106 (1)SM-107 (1)SM-108		Contents: (1)SM-106 (1)SM-107 (1)SM-108 (1)SM-129 (1)SM-130 (1)SM-131			

NUMERICAL LISTING OF CLEVITE CAMSHAFT BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
SH-21S	STD Ford: 239(39-48), 255(49-1953); FordInd: 239(39-1953); FordTrk: 239(48-1953); MilStd: 239 Contents: (1)SH-22 (2)SH-21	SH-220S	STD IntInd: 220, 221, 240, 263, 264, 282, 301, 236 Diesel, 282 Diesel, 301 Diesel; IntTrac: 221, 263, 282, 291, 301, 236 Diesel, 282 Diesel, 301 Diesel; NavInt: 220(50-68), 240(49-62), 241(63-70), 264(55-60), 265(55-70), 301 Diesel(60-1975); Pa Contents: (1)SH-220 (1)SH-224 (1)SH-455 (1)SH-493	SH-354S	STD IntInd: 152, 164, 169, 175; IntTrac: 152, 164, 169, 175; MilStd: 152 Contents: (1)SH-354 (1)SH-355 (1)SH-356
SH-23S	STD Chry: 218(34-50), 230(46-1952); ChryInd: 218(42-54), 230(42-60); ChryMar: 201, 218, 230; Clark: 218(42-1954); Cosht: 218(42-1954); DodTrk: 201(41-41), 218(39-1943), 230(42-47); MasFer: 218(42-54), 230(42-60); MilStd: 230 Contents: (1)SH-23 (1)SH-24 (1)SH-25	SH-277S	STD GMC: 331(49-55), 365(56-58), 390(59-1960) Contents: (1)SH-278 (4)SH-277	SH-361S	STD GMC: 364(57-60), 401(59-1963), 425(63-64) Contents: (1)SH-361 (1)SH-363 (1)SH-364 (1)SH-365 (1)SH-506
SH-37S	STD Chry: 218(38-1954), 237(42-50), 251(42-48), 265(51-54); ChryInd: 237, 251, 265; ChryMar: 251, 265; Cosht: 237, 251; DodTrk: 242(38-1941), 251(42-63), 265(53-60); MasFer: 237, 251, 265; MilStd: 265; MinMol: 251, 265; Oliver: 251, 265 Contents: (1)SH-23 (1)SH-37 (1)SH-38	SH-287S	STD ChrisCft: 283; FlagMar: 283, 327; GMC: 265(55-57), 283(57-1957), 302(67-67), 327(62-63); GMC Trk.: 265(55-56), 283(57-1963), 327(62-63); GMCMar: 283, 327; MasFer: 327; MercMar: 283, 327; MilStd: 283; OMC: 283; ThermElec: 283 Contents: (1)SH-288 (1)SH-289 (1)SH-290 (2)SH-287	SH-369S	STD FordInd: 401(58-76), 477(58-81), 534(58-1981); FordMar: 534(58-1981); FordTrk: 401(58-69), 475(73-79), 477(58-81), 534(58-1981); MilStd: 534; Seamstr: 534 Contents: (1)SH-369 (4)SH-370
SH-56S	STD Case: 124, 140; Clark: 162; Cont: 124, 135, 140, 162, 163, 198; Cosht: 140; GrayMar: 140, 162; MasFer: 124, 140, 162; Oliver: 140, 162 Contents: (1)SH-1211 (1)SH-56 (1)SH-57	SH-290S	STD,10 Avanti: 305(1981-1988), 327(65-68), 350(70-80), 400(73-76); Checker: 267(80-82), 283(65-67), 305(78-81), 307(68-68), 327(65-69), 350(69-1979); ChrisCft: 283, 302, 305, 307, 327, 350; FlagMar: 283, 305, 307, 327, 350; GMC: 262(75-76), 265(94) Contents: (1)SH-290 (2)SH-287 (2)SH-288	SH-384S	STD Alc: 116, 125 Contents: (3)SH-384
SH-69S	STD IntTrac: 233; Jeep: 134(39-1953); KaisFraz: 134(51-1953); MilStd: 134; NavInt: 175(37-47), 213(33-1949), 233(37-49) Contents: (1)SH-69	SH-291S	STD GMC: 195(61-62), 287(55-55), 317(56-56), 347(57-57), 370(58-1958), 389(59-59); GMC Trk.: 287(55-55), 317(56-56), 336(58-59), 347(57-1957) Contents: (1)SH-291 (4)SH-292	SH-385S	STD Alc: 201, 226 Contents: (3)SH-385
SH-116S	STD IntInd: 248, 264, 281; IntTrac: 248, 264, 281 Contents: (1)SH-116 (1)SH-117 (1)SH-118	SH-292S	STD GMC: 195(63-63), 265(80-81), 301(77-1979), 326(63-67), 350(68-70), 389(59-66), 400(67-76), 421(63-63), 428(67-67), 455(70-76) Contents: (5)SH-292	SH-386S	STD Alc: 153, 182, 230, 262, 273, 153 Diesel, 175 Diesel, 230 Diesel, 262 Diesel, 273 Diesel; Buda: 153, 182, 230, 262, 273, 153 Diesel, 175 Diesel, 230 Diesel, 262 Diesel, 273 Diesel; Cosht: 230 Contents: (1)SH-386 (1)SH-388 (2)SH-387
SH-142S	STD MilStd: 779, 817; Wauk: 501, 638, 779, 817 Contents: (4)SH-142	SH-313S	STD Chry: 301(55-55), 331(51-1951), 354(56-57), 392(57-58); ChryInd: 331; ChryMar: 331; DodTrk: 331(54-1956) Contents: (1)SH-313 (1)SH-315 (3)SH-314	SH-398S	STD GMC: 348(58-61), 409(61-1961); GMC Trk.: 348(58-1965), 409(62-65); ThermElec: 348, 409 Contents: (1)SH-398 (1)SH-399 (1)SH-401 (2)SH-400
SH-190S	STD Clark: 209, 226; Cont: 170, 184, 186, 199, 202, 206, 209, 214, 218, 226, 227, 242, 244, 245; Cosht: 226; GrayMar: 244; Jeep: 226(47-1963); KaisFraz: 226(47-1951); MasFer: 226, 227, 244; MinMol: 226, 244; Oliver: 202, 209, 226, 244 Contents: (1)SH-1211 (1)SH-191 (1)SH-56 (1)SH-57	SH-322S	STD Alc: 237; ChrisCft: 230, 237; Clark: 237; Deere: 230; Herc: 191, 205, 222, 230, 237; Oliver: 205; PalMar: 230 Contents: (2)SH-322 (2)SH-323	SH-399S	STD Checker: 230(64-68), 250(69-1970); GMC: 194(62-65), 215(64-65), 230(64-70), 250(66-1970); GMC Trk.: 194(64-66), 230(63-69), 250(66-70), 292(63-1970); MasFer: 292; MercMar: 230, 250, 292; OMC: 250; StksMar: 250; Stud: 194(65-1966), 230(66-66) Contents: (2)SH-399 (2)SH-400
SH-191S	STD Clark: 69, 91, 112; Cont: 69, 91, 112; GrayMar: 69, 91, 112; MasFer: 91; Oliver: 112 Contents: (1)SH-191 (1)SH-56 (1)SH-57	SH-330S	STD Cosht: 194, 194 Diesel; Oliver: 121, 129, 144, 155, 194, 216, 231, 232, 265, 302, 129 Diesel, 144 Diesel, 155 Diesel, 194 Diesel, 216 Diesel, 231 Diesel, 265 Diesel, 302 Diesel; Wauk: 121, 125, 129, 144, 155, 194, 216, 232, 265, 302, 320 Contents: (1)SH-330	SH-400S	STD GMC: 153(62-1970); GMC Trk.: 153(63-1965); MercMar: 153; ThermElec: 153 Contents: (1)SH-399 (2)SH-400
SH-198S	STD Clark: 320, 339; Herc: 164, 188, 214, 228, 232, 245, 263, 282, 298, 320, 339; MasFer: 282, 339; Oliver: 228, 320, 339 Contents: (2)SH-197 (2)SH-198	SH-343S	STD FordInd: 332(56-1963); FordTrk: 302(56-1963), 332(56-63) Contents: (1)SH-250 (1)SH-343 (3)SH-344	SH-426S	STD IntInd: 345; NavInt: 152(61-63), 196(66-71), 266(59-71), 304(59-75), 345(59-1971), 392(68-78); PalMar: 196(66-80), 304(59-80), 345(59-1980), 392(68-82) Contents: (1)SH-426 (1)SH-427 (1)SH-428 (1)SH-429 (1)SH-430
SH-209S	STD,10 GMC: 216(37-52), 235(50-1954); GMC Trk.: 216(37-49), 228(39-42), 235(50-1952), 236(42-46), 248(39-53), 261(54-54), 270(39-55), 302(52-55); MilStd: 302 Contents: (1)SH-209 (1)SH-33 (1)SH-34 (1)SH-35	SH-344S	STD Ford: 368(56-1957) Contents: (2)SH-250 (3)SH-344	SH-439S	STD Wauk: 1013, 1196 Contents: (1)SH-439 (1)SH-441 (2)SH-440



NUMERICAL LISTING OF CLEVITE CAMSHAFT BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
SH-468	STD Alc: 213 Diesel, 284 Diesel, 426 Diesel; Clark: 568 Diesel; Deere: 426 Diesel; DetD: 213 Diesel, 284 Diesel, 426 Diesel, 568 Diesel, 852 Diesel, 1136 Diesel; MasFer: 213 Diesel, 568 Diesel; MilStd: 426 Diesel, 568 Diesel; Oliver: 213 Diesel Contents: (1)SH-468	SH-529S	STD AMC: 196(61-1964) Contents: (1)SH-470 (1)SH-471 (1)SH-472 (1)SH-529	SH-568S	STD Cumm: 743, 855, 464 Diesel, 672 Diesel, 743 Diesel, 855 Diesel, 927 Diesel Contents: (1)SH-318 (6)SH-568
SH-476RS	STD,20 Alc: 213 Diesel, 284 Diesel, 426 Diesel; Clark: 568 Diesel; Deere: 426 Diesel; DetD: 213 Diesel(79-88), 284 Diesel(80-88), 426 Diesel(80-86), 552 Diesel(79-86), 568 Diesel(80-88), 736 Diesel(80-86), 852 Diesel(80-88), 1104 Diesel(80-88), 11 Contents: (1)SH-476R	SH-530S	STD GMC: 368(80-81), 390(63-63), 425(77-1977), 429(64-67), 472(68-74), 500(70-76) Contents: (5)SH-530	SH-614S	STD Oliver: 283, 283 Diesel, 310 Diesel; Wauk: 283, 310, 283 Diesel, 310 Diesel Contents: (4)SH-330
SH-477WS	STD Alc: 213 Diesel, 284 Diesel, 426 Diesel; Clark: 568 Diesel; Deere: 426 Diesel; DetD: 213 Diesel(79-88), 284 Diesel(80-88), 426 Diesel(79-88), 552 Diesel(79-86), 568 Diesel(80-88), 736 Diesel(80-86), 852 Diesel(79-88), 1104 Diesel(79-88), 11 Contents: (1)SH-477W	SH-531S	STD Deere: 113, 100.5 Contents: (1)SH-531 (1)SH-532	SH-615S	STD FlagMar: 427; GMC: 366(66-66), 396(65-66), 402(70-72), 427(66-1966), 454(70-00), 502(65-65); GMC Trk.: 366(66-1966), 396(66-66); GMCMar: 427; MercMar: 427; ThermElec: 427 Contents: (1)SH-615 (1)SH-616 (1)SH-618 (2)SH-617
SH-493S	STD IntInd: 372, 406, 450, 451, 501; NavInt: 318(44-47), 361(44-49), 372(49-63), 401(44-49), 406(49-1974), 450(44-68), 451(49-68), 501(53-68) Contents: (1)SH-220 (1)SH-221 (1)SH-222 (1)SH-493	SH-533S	STD Ford: 223(63-1963); FordInd: 223(63-64), 262(63-1963); FordTrk: 223(63-1963), 262(63-63) Contents: (4)SH-533	SH-616S	STD ChrisCft: 454; FlagMar: 427, 454; GMC: 366(67-98), 396(67-68), 402(70-72), 427(67-69), 454(70-1976), 502(67-70); GMC Trk.: 366(67-98), 396(67-69), 402(70-72), 427(68-90), 454(70-1995), 496(01-05); GMCMar: 427(01-03), 496(01-07), 502(90-95); Contents: (1)SH-615 (2)SH-616 (2)SH-617
SH-500S	STD Deere: 115, 145, 165, 145 Diesel, 155 Diesel, 165 Diesel Contents: (1)SH-500 (2)SH-501	SH-534S	STD Ford: 215(52-53), 223(54-1961); FordInd: 215(52-53), 223(54-63), 262(61-1963); FordTrac: 223(61-66), 242 Diesel(61-1966); FordTrk: 215(52-53), 223(54-1963), 262(61-62) Contents: (1)SH-249 (3)SH-533	SH-617S	STD GMC: 366(1967-1998), 396(1967-1970), 402(1970-1972), 427(1967-1998), 454(1970-2000), 502(1967-1998) Contents: (5)SH-617
SH-501S	STD Deere: 217, 248, 248 Diesel Contents: (1)SH-500 (3)SH-501	SH-538S	STD IntInd: 361 Diesel, 407 Diesel; IntTrac: 407, 361 Diesel, 407 Diesel Contents: (1)SH-220 (1)SH-222 (1)SH-538 (1)SH-539	SH-628S	STD Alc: 426 Diesel Contents: (1)SH-628 (5)SH-629
SH-502S	STD Case: 106, 124, 126, 148, 159, 164 Contents: (1)SH-502 (1)SH-503 (1)SH-504	SH-543S	STD IntInd: 573 Diesel; IntTrac: 573 Diesel, 798 Diesel; NavInt: 573 Diesel(68-71), 798 Diesel(75-1979) Contents: (5)SH-543	SH-629S	STD Alc: 265, 301, 301 Diesel Contents: (1)SH-628 (3)SH-629
SH-506S	STD ChrisCft: 225; GMC: 198(62-63), 225(64-1965); Jeep: 225(66-1971); OMC: 225; StksMar: 225; ThermElec: 225 Contents: (1)SH-363 (1)SH-364 (1)SH-365 (1)SH-506	SH-558S	STD IntInd: 166 Diesel; IntTrac: 166 Diesel, 188 Diesel Contents: (1)SH-220 (1)SH-455 (1)SH-493	SH-643S	STD ChrisCft: 427; DearbMar: 427; Ford: 427(66-1968); FordMar: 427 Contents: (1)SH-643 (1)SH-644 (1)SH-645 (1)SH-646 (1)SH-781
SH-507S	STD IntTrac: 144 Diesel, 154 Diesel Contents: (1)SH-507 (1)SH-508 (1)SH-509	SH-559S	STD,10 DearbMar: 256(54-54), 272(55-57), 292(55-55), 312(56-1957); Ford: 256(54-54), 272(55-57), 292(55-1961), 312(56-56); FordInd: 239(55-55), 256(54-55), 272(56-58), 292(58-1964); FordMar: 239(57-59), 256(59-60), 272(57-57), 292(55-59), 312(56-1) Contents: (1)SH-285 (4)SH-559	SH-652	STD FordInd: 401 Diesel; FordTrac: 158(65-68), 175(75-80), 192(65-69), 201(75-80), 233(65-68), 256(65-68), 158 Diesel(65-68), 175 Diesel(65-68), 183 Diesel(75-80), 192 Diesel(65-68), 201 Diesel(75-80), 233 Diesel(65-68), 256 Diesel(65-68), 401 Contents: (1)SH-652
SH-510S	STD,10 CommMar: 302, 351; DearbMar: 289, 302, 351; Ford: 221(62-63), 255(80-82), 260(62-64), 289(63-1967), 302(68-74), 351(69-76); FordInd: 302(68-93), 351(69-1993); FordMar: 221, 260, 289, 302, 351; FordTrk: 255(81-82), 260(64-64), 289(65-68), 30 Contents: (1)SH-510 (1)SH-511 (1)SH-512 (1)SH-513 (1)SH-514	SH-561S	STD Herc: 130, 149, 169, 130 Diesel, 149 Diesel, 169 Diesel Contents: (1)SH-198 (2)SH-561	SH-671S	STD AMC: 290(66-1969), 304(70-70), 343(67-69), 360(70-71), 390(68-69), 401(71-75); GrayMar: 304(70-79), 360(70-78), 390(68-1970); Jeep: 304(71-72), 360(71-1973), 401(74-77); NavInt: 400(73-1975) Contents: (1)SH-671 (1)SH-672 (1)SH-673 (1)SH-674 (1)SH-675
SH-525	STD Alc: 213 Diesel, 284 Diesel, 426 Diesel; Clark: 568 Diesel; Deere: 426 Diesel; DetD: 213 Diesel(79-88), 284 Diesel(80-88), 426 Diesel(80-88), 552 Diesel(79-86), 568 Diesel(80-88), 736 Diesel(79-88), 852 Diesel(80-88), 1104 Diesel(80-88), 11 Contents: (1)SH-525	SH-563S	STD Mack: 672, 707, 605 Diesel, 672 Diesel, 707 Diesel; MilStd: 672 Diesel Contents: (1)SH-563 (1)SH-564	SH-676S	STD Mack: 707, 672 Diesel, 707 Diesel; MilStd: 672 Diesel Contents: (1)SH-560 (6)SH-676
		SH-566WS	STD Mack: 672, 707, 605 Diesel, 672 Diesel, 707 Diesel; MilStd: 672 Diesel Contents: (1)SH-566W	SH-681S	STD IntInd: 401, 461, 549; NavInt: (56-69), 401(56-72), 461(56-64), 478(65-68), 537(78-79), 549(56-71), 461 Diesel(66-68), 549 Diesel(66-1977), 551 Diesel(80-87); PalMar: 401(56-75), 461(56-64), 549(56-1972) Contents: (1)SH-351 (1)SH-352 (1)SH-681 (1)SH-682
		SH-567S	STD,10 Ford: 240(65-1968); FordInd: 240(65-74), 300(65-1985); FordMar: 240, 300; FordTrk: 240(65-67), 300(65-1967); OscoMar: 300 Contents: (4)SH-567		



NUMERICAL LISTING OF CLEVITE CAMSHAFT BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
SH-683S	STD Cont: 120, 129, 134, 145; MasFer: 120, 129, 134, 145 Contents: (1)SH-191 (1)SH-317 (1)SH-362-10	SH-716S	STD GMC: 122(75-76), 140(71-1977); GMC Trk.: 140(71-1975) Contents: (1)SH-716 (4)SH-717	SH-786S	STD Deere: 201, 227, 254 Diesel, 270 Diesel Contents: (3)SH-786
SH-686S	STD DetD: 424 Diesel Contents: (1)SH-688 (2)SH-686 (2)SH-687	SH-718S	STD Checker: 250(71-1979); GMC: 250(71-1975); GMC Trk.: 250(71-72), 292(71-1972); MercMar: 250, 292; OMC: 250; StksMar: 250; ThermElec: 292 Contents: (4)SH-400	SH-796S	STD Opel: 1698(65-71), 1897(65-1971) Contents: (1)SH-813 (1)SH-814 (1)SH-816
SH-690S	STD Case: 188, 201; Case IH: 188 Contents: (2)SH-518 (2)SH-689	SH-719S	STD Alc: 200, 200 Diesel Contents: (1)SH-628 (2)SH-629	SH-874S	STD Chry: 170(60-62), 198(70-74), 225(60-1978); ChryInd: 225(61-1978); ChryMar: 170, 198, 225; DodTrk: 170(63-69), 198(70-71), 225(61-1978); MasFer: 170, 225 Contents: (1)SH-403 (1)SH-424 (1)SH-425 (1)SH-874
SH-692S	STD Onan: 50 Contents: (2)SH-692	SH-720S	STD Toy: 1077(68-69), 1166(69-69), 1290(81-1984) Contents: (1)SH-720 (1)SH-721 (1)SH-722 (1)SH-723	SH-875S	STD Chry: 273(64-66), 277(56-56), 301(56-57), 303(56-56), 318(57-66), 326(59-59), 340(68-71), 360(71-1978); ChryInd: 318; ChryMar: 273, 318, 340, 360; DodTrk: 273(64-68), 313(58-65), 318(59-1978), 360(71-78); StksMar: 318 Contents: (1)SH-326 (1)SH-327 (1)SH-328 (1)SH-329 (1)SH-875
SH-693S	STD Mack: 707, 672 Diesel, 707 Diesel; MilStd: 672 Diesel Contents: (1)SH-357 (1)SH-560 (2)SH-693 (3)SH-676	SH-725S	STD Toy: 1588(71-1974), 1770(80-82) Contents: (1)SH-725 (1)SH-726 (1)SH-727 (1)SH-728 (1)SH-729	SH-876S	STD Chry: 350(58-58), 361(58-1959), 383(59-59), 400(72-75), 413(59-60), 426(63-66), 440(66-76); ChryInd: 361, 383, 400, 413, 440; ChryMar: 361, 383, 400, 413, 426, 440; DodTrk: 361(60-69), 383(67-71), 400(72-74), 413(60-76), 440(73-1978); MilSt Contents: (1)SH-403 (1)SH-404 (1)SH-405 (1)SH-406 (1)SH-876
SH-698S	STD DetD: 106 Diesel Contents: (1)SH-687 (2)SH-686	SH-732S	STD MilStd: 142 Contents: (3)SH-732	SH-905S	STD IsuTrk: 5393 Diesel(72-1990), 5785 Diesel(77-90), 6130 Diesel(80-90) Contents: (1)SH-905 (5)SH-906
SH-699S	STD Clark: 159 Diesel; DetD: 159 Diesel; FordTrk: 159 Diesel(73-1973); GMC Trk.: 159 Diesel(67-1968); MilStd: 159 Diesel Contents: (1)SH-687 (2)SH-686	SH-733S	STD Ford: 122(71-1974), 1593(70-82), 1993(70-76) Contents: (1)SH-128 (1)SH-129 (1)SH-130	SH-907S	STD GMC Trk.: 2238 Diesel(81-1982); IsuInd: 119 Diesel(81-82), 144 Diesel(69-1985); IsuTrk: 2238 Diesel(81-1982); ThermKing: 2207 Diesel(69-1979) Contents: (1)SH-907 (1)SH-908 (1)SH-909
SH-700S	STD Clark: 212 Diesel; Coshtt: 212 Diesel; DetD: 212 Diesel; Oliver: 212 Diesel Contents: (1)SH-688 (2)SH-686 (2)SH-687	SH-735S	STD VW: 1192(65-65), 1285(66-66), 1493(67-69), 1584(66-1979); VWTrk: 1493(65-1967), 1584(68-79) Contents: (1)SH-133 (1)SH-134 (1)SH-135(L)	SH-951S	STD NisTrk: 3956(60-1990) Contents: (1)SH-951 (1)SH-952 (1)SH-953 (1)SH-954
SH-701S	STD DetD: 318 Diesel; MilStd: 318 Diesel Contents: (2)SH-686 (2)SH-687	SH-764S	STD Nis: 1189(61-66), 1299(65-1969); NisTrk: 1299(68-1969) Contents: (1)SH-764 (1)SH-765 (1)SH-766	SH-952S	STD NavInt: 198 Diesel(76-1978); NisInd: 3246 Diesel(66-1978); NisMar: 3246 Diesel Contents: (1)SH-772 (1)SH-774 (2)SH-765
SH-703S	STD DearbMar: 144(60-64), 170(61-1973); Ford: 144(60-63), 170(61-64), 200(63-1967), 250(69-73); FordInd: 144(60-1964), 200(65-83); FordMar: 144(60-64), 170(61-1973), 200(64-83), 250(69-79); FordTrk: 144(60-64), 170(61-1965), 200(65-74), 250(69- Contents: (1)SH-412 (1)SH-413 (1)SH-414 (1)SH-703	SH-767S	STD Nis: 1171(71-1973), 1237(80-82), 1288(73-74), 1397(75-82), 1488(79-82); NisInd: 988(65-1971) Contents: (1)SH-767 (1)SH-768 (1)SH-769 (1)SH-770 (1)SH-771	SH-978S	STD Toy: 1490(64-1970); ToyInd: 1490(64-1970) Contents: (1)SH-978 (1)SH-979 (1)SH-980
SH-704S	STD Case: 251, 284, 301, 251 Diesel, 267 Diesel, 301 Diesel, 336 Diesel Contents: (1)SH-704 (1)SH-706 (2)SH-705	SH-772S	STD Nis: 1982(68-1970); NisInd: 1982(67-1992), 2164 Diesel(63-82); NisTrk: 2164 Diesel(81-1982), 2488 Diesel(83-83) Contents: (1)SH-765 (1)SH-772 (1)SH-774	SH-993S	STD Mack: 707, 672 Diesel, 707 Diesel; MilStd: 672 Diesel Contents: (1)SH-357 (1)SH-560 (5)SH-676
SH-705S	STD Case: 377, 377 Diesel, 401 Diesel, 451 Diesel, 504 Diesel Contents: (1)SH-704 (1)SH-706 (3)SH-705	SH-777S	STD Ford: 140(74-1983); FordInd: 140(77-1993); FordTrk: 121(83-88), 140(77-1982), 153(98-01); MazTrk: 140(94-96), 153(98-1999) Contents: (4)SH-777	SH-994S	STD IntInd: 312 Diesel, 360 Diesel, 414 Diesel, 466 Diesel; IntTrac: 312 Diesel, 360 Diesel, 414 Diesel, 436 Diesel, 466 Diesel; NavInt: 360 Diesel(90-1991), 466 Diesel(75-97), 530 Diesel(95-98) Contents: (1)SH-994 (1)SH-995 (1)SH-996 (1)SH-997
SH-710S	STD,10 Ford: 351(70-76), 400(71-1976); FordMar: 351(70-1972); FordTrk: 351(70-79), 400(72-1982) Contents: (1)SH-511 (1)SH-512 (1)SH-513 (1)SH-514 (1)SH-710	SH-781S	STD ChrisCft: 427; DearbMar: 390(61-1966), 427(61-69); Ford: 330(64-78), 332(58-59), 352(58-62), 359(74-75), 360(68-76), 361(58-58), 389(75-78), 390(61-66), 391(64-78), 406(62-63), 410(66-67), 427(63-65), 428(66-1968); FordInd: 330(64-78), 360(Contents: (1)SH-377 (1)SH-378 (1)SH-379 (1)SH-380 (1)SH-781		
SH-711S	STD Ford: 98(71-1973), 997(60-67), 1098(68-80), 1100(71-73), 1198(61-68), 1298(68-73), 1340(61-62), 1498(63-67), 1599(67-72); FordInd: 67(73-82), 98(73-1982); FordTrk: 997(59-67), 1198(61-1968) Contents: (1)SH-711 (1)SH-712 (1)SH-713	SH-785S	STD Deere: 301, 341, 381 Diesel, 404 Diesel, 531 Diesel, 619 Diesel Contents: (4)SH-786		



NUMERICAL LISTING OF CLEVITE CAMSHAFT BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
SH-1006S	STD FordTrac: 363 Diesel(65-90), 380 Diesel(69-1990), 5638 Diesel(65-90), 5974 Diesel(65-90) Contents: (1)SH-1053 (5)SH-1052	SH-1115S	STD Chry: 225(79-1982); ChryInd: 225(79-1987); ChryMar: 225; DodTrk: 225(79-1980) Contents: (1)SH-1115 (1)SH-1116 (1)SH-1117 (1)SH-425	SH-1328S	STD Wauk: 220, 3560 Diesel Contents: (1)SH-1328 (2)SH-1329
SH-1017S	STD FordTrac: 242 Diesel(65-69), 254 Diesel(69-1990), 3759 Diesel(65-69) Contents: (1)SH-1053 (3)SH-1052	SH-1190S	STD GMC Trk.: 1817(72-1975) Contents: (3)SH-1190	SH-1329S	STD Wauk: 330, 5340 Diesel Contents: (1)SH-1328 (3)SH-1329
SH-1030S	STD,10 AMC: 151(80-1983); ChrisCft: 181; GMC: 151(77-1983), 2.0L(77-78), 2.5L(86-92), 2.7L(84-87), 3.0L(83-83), 3.3L(84-85); GMC Trk.: 151(85-1991); GMCMar: 181; HardMar: 181; Jeep: 151(80-1983); MarPow: 181; MercMar: 181; OMC: 181; Yam: 181 Contents: (3)SH-400	SH-1191S	STD Case: 188 Diesel, 207 Diesel; Case IH: 188 Diesel Contents: (1)SH-1191 (1)SH-689 (3)SH-518	SH-1349S	STD Avanti: 305(1981-1988), 327(65-68), 350(70-80), 400(73-76); Checker: 267(80-82), 305(78-81), 307(68-68), 327(65-69), 350(69-1979); ChrisCft: 302, 305, 307, 327, 350; FlagMar: 305, 307, 327, 350; GMC: 262(75-76), 265(94-94), 267(79-81), 283 Contents: (1)SH-1349 (2)SH-1350 (2)SH-1351
SH-1060S	STD ToyTrk: 3878(69-75), 3956(88-92), 4230(75-1987) Contents: (1)SH-1060 (1)SH-1061 (1)SH-1062 (1)SH-1063	SH-1197S	STD Ford: 232(82-1983); FordTrk: 232(82-1983) Contents: (2)SH-1197 (2)SH-1198	SH-1350S	STD,10 Checker: 229(80-1982); ChrisCft: 262; GMC: 200(78-79), 229(80-1981), 262(85-86); GMC Trk.: 200(78-79), 229(80-84), 262(85-1986); HardMar: 262; IsuTrk: 262(97-2000); MercMar: 229, 262; OMC: 229, 262; ThermElec: 262; Workhorse: 262(00-2003); Contents: (1)SH-1349 (1)SH-1351 (2)SH-1350
SH-1065S	STD Toy: 1897(65-1970); ToyInd: 1994(70-1986); ToyTrk: 1897(65-1970), 1994(70-82) Contents: (1)SH-1065 (1)SH-759 (1)SH-760 (1)SH-762 (1)SH-763	SH-1208S	STD DetD: 500 Diesel Contents: (5)SH-1208	SH-1351S	STD ChrisCft: 262; GMC: 262(92-1993); GMC Trk.: 262(92-1995); HardMar: 262; IsuTrk: 262(97-2000); MercMar: 262; OMC: 262; ThermElec: 262; Workhorse: 262(00-2003); Yam: 262 Contents: (1)SH-1350 (1)SH-1351 (2)SH-1349
SH-1066S	STD FordTrk: 110(72-78), 122(79-1982); Maz: 1586(70-1977), 1796(72-73), 1970(79-82); MazTrk: 1586(72-76), 1796(77-78), 1970(79-1979) Contents: (1)SH-1066 (2)SH-1067	SH-1209S	STD Audi: 1471(73-74), 1588(75-1980), 1715(81-84); Chry: 105(78-1980); DodTrk: 105(82-1983); VW: 1457(78-80), 1471(74-75), 1588(76-1980), 1715(81-84), 1471 Diesel(77-80); VWTrk: 1588(80-1980), 1715(82-82), 1471 Diesel(80-80) Contents: (1)SH-1209 (1)SH-1210	SH-1352S	STD Avanti: 305(1981-1988), 327(65-68), 350(70-80), 400(73-76); Checker: 267(80-82), 283(65-67), 305(78-81), 307(68-68), 327(65-68), 350(69-1975); ChrisCft: 283, 302, 305, 307, 327, 350; FlagMar: 283, 305, 307, 327, 350; GMC: 262(75-76), 265(55) Contents: (5)SH-1352
SH-1092S	STD FordTrk: 420 Diesel(83-84), 444 Diesel(88-1994); MercMar: 444 Diesel; NavInt: 404(75-81), 446(75-81), 420 Diesel(80-81), 444 Diesel(88-1995); PalMar: 404(75-1982) Contents: (1)SH-1092 (4)SH-1093	SH-1245S	STD Cat: 522 Diesel, 573 Diesel, 636 Diesel; FordTrk: 522 Diesel(68-1969), 573 Diesel(68-75), 636 Diesel(70-76); MasFer: 573 Diesel, 636 Diesel Contents: (5)SH-1245	SH-1354S	STD BarrMar: 455(68-1976); Berk: 350(68-76), 455(68-1976); GMC: 260(75-1975), 330(64-67), 350(68-73), 400(65-67), 425(65-67), 455(68-70), 472(68-74), 500(70-76); GMC Trk.: 455(73-1976); JacMar: 455(68-1976); OldsMar: 350(68-76), 455(68-1976); O Contents: (1)SH-1354 (1)SH-1355 (1)SH-1356 (1)SH-1357 (1)SH-1358
SH-1094S	STD Ford: 122(71-1974), 1593(70-82), 1599(78-80), 1993(70-76); FordInd: 98(78-1982) Contents: (1)SH-1094	SH-1248S	STD ToyTrk: 2188 Diesel(81-83), 2446 Diesel(84-1985) Contents: (1)SH-1248 (2)SH-1249	SH-1355S	STD BarrMar: 403(77-1979); Berk: 350(77-1980); Checker: 350 Diesel(80-1982); GMC: 260(77-80), 307(80-87), 350(77-1979), 403(77-78), 260 Diesel(79-79), 350 Diesel(78-85); GMC Trk.: 350 Diesel(78-1978); HardMar: 350, 403; OldsMar: 350(77-80), 403 Contents: (1)SH-1355 (1)SH-1356 (1)SH-1357 (1)SH-1358 (1)SH-1359
SH-1095S	STD Ford: 140(74-1983); FordInd: 140(77-1993); FordTrk: 121(83-88), 140(77-1982); MazTrk: 140(94-1996) Contents: (1)SH-1095 (1)SH-1096	SH-1250S	STD Cumm: 1150 Diesel Contents: (7)SH-1250	SH-1356S	STD GMC: 260 Diesel(82-1985); GMC Trk.: 260 Diesel(1982-1983) Contents: (1)SH-1355 (1)SH-1356 (1)SH-1357 (1)SH-1359
SH-1111S	STD,10 CommMar: 460; Ford: 370(79-91), 429(68-1973), 460(68-76); FordInd: 370(79-91), 429(79-93), 460(73-1993); FordMar: 429(68-1968), 460(68-78); FordTrk: 370(79-83), 429(70-73), 460(73-1976); HardMar: 460; HolMdyMar: 460(68-1978); JacMar: 460(68) Contents: (5)SH-1111	SH-1251S	STD Ford: 140(84-1987), 153(86-86) Contents: (1)SH-1251 (1)SH-1253 (2)SH-1252	SH-1360S	STD GMC: 300(64-1967), 340(66-67) Contents: (1)SH-1360 (1)SH-363 (1)SH-364 (1)SH-365 (1)SH-506
SH-1112S	STD Chry: 318(79-89), 360(79-1979); ChryInd: 318; ChryMar: 318, 360; DodTrk: 318(79-1980), 360(79-87); Jeep: 318(93-1998), 360(98-98); StksMar: 318 Contents: (1)SH-1112 (1)SH-1113 (1)SH-1114 (1)SH-329 (1)SH-875	SH-1254S	STD FordInd: 300(85-1993); FordMar: 300; FordTrk: 300(85-1996); OscoMar: 300 Contents: (2)SH-1254 (2)SH-567	SH-1360S	STD GMC: 300(64-1967), 340(66-67) Contents: (1)SH-1360 (1)SH-363 (1)SH-364 (1)SH-365 (1)SH-506
SH-1114S	STD DodTrk: 239(87-1991) Contents: (1)SH-1112 (1)SH-1114 (1)SH-329 (1)SH-875	SH-1305S	STD GMC: 151(85-1989) Contents: (3)SH-1305	SH-1360S	STD GMC: 300(64-1967), 340(66-67) Contents: (1)SH-1360 (1)SH-363 (1)SH-364 (1)SH-365 (1)SH-506
		SH-1314	STD SupDie: 3575 Diesel, 4767 Diesel, 4948 Diesel, 6597 Diesel Contents: (1)SH-1314		
		SH-1314W	STD SupDie: 3575 Diesel, 4767 Diesel, 4948 Diesel, 6597 Diesel Contents: (1)SH-1314W		
		SH-1321S	STD Ford: 221(1962-1963), 255(1980-1982), 260(1962-1965), 289(1963-1968), 302(1968-2001), 351(1977-1998) Contents: (1)SH-1321 (1)SH-1322 (1)SH-1323 (1)SH-1324 (1)SH-1325		
		SH-1326S	STD Chry: 135(81-90), 153(86-1992); DodTrk: 135(82-88), 153(87-1990) Contents: (1)SH-1256 (1)SH-1326		



NUMERICAL LISTING OF CLEVITE CAMSHAFT BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
SH-1361S	STD,10 GMC: 350(68-1975), 400(67-69), 430(67-69), 455(70-76); GrayMar: 455(70-1976); Jeep: 350(68-1971) Contents: (1)SH-1360 (4)SH-1361	SH-1402	STD Case: 505 Diesel; Cummm: 309 Diesel, 505 Diesel Contents: (7)SH-1402	SH-1469S	STD Chry: 122(85-1991), 144(92-92); DodTrk: 122(85-89), 144(90-1992); Eagle: 122(89-98), 144(92-1992); Hyun: 1997(85-1998), 2351(89-91); Mits: 1997(85-1993), 2351(85-94); MitsTrk: 1997(85-85), 2351(87-1990) Contents: (1)SH-1467 (1)SH-1468 (1)SH-1469
SH-1364S	STD,80 GMC: 173(80-1980), 189(88-96), 207(93-95); GMC Trk.: 173(82-1993), 189(90-94), 207(96-97); IsuTrk: 2827(89-1991), 3137(91-92); Jeep: 173(84-1987) Contents: (1)SH-1362 (1)SH-1364 (2)SH-1363	SH-1403-SEMI	SEMI Chry: 153(86-1992); DodTrk: 153(87-1990) Contents: (1)SH-1403	SH-1481S	STD ToyTrk: 2977 Diesel(86-1985), 3431 Diesel(86-85) Contents: (1)SH-1478 (1)SH-1479 (1)SH-1480 (1)SH-1481 (1)SH-1482
SH-1365S	STD GMC: 112(82-82), 121(83-1987), 134(90-96); GMC Trk.: 121(83-84), 134(94-2000); IsuTrk: 134(96-2000) Contents: (1)SH-1365 (2)SH-1363 (2)SH-1364	SH-1404	STD Case: 180 Diesel, 239 Diesel, 359 Diesel; Cummm: 180 Diesel, 239 Diesel, 359 Diesel; DodTrk: 359 Diesel(89-1996) Contents: (1)SH-1404	SH-1485S	STD ToyTrk: 2977 Diesel(88-88), 3431 Diesel(88-1988) Contents: (1)SH-1481 (1)SH-1482 (1)SH-1483 (1)SH-1484 (1)SH-1485
SH-1366S	STD GMC Trk.: 379 Diesel(82-93), 395 Diesel(92-1998); Hummer: 379 Diesel(92-93), 395 Diesel(94-2001); Workhorse: 395 Diesel(00-2002) Contents: (1)SH-1366 (1)SH-1367 (1)SH-1368 (1)SH-1369 (1)SH-1370	SH-1405S	STD Chry: 201(90-1997), 230(91-93); DodTrk: 201(90-1995), 230(94-02); Eagle: 201(93-1997) Contents: (1)SH-1405 (1)SH-1406 (1)SH-1407 (1)SH-1408	SH-1487	STD Cat: 1099 Diesel, 1649 Diesel Contents: (6)SH-1487
SH-1371S	STD GMC: 249(82-1986), 252(82-88), 273(88-92), 300(91-92) Contents: (1)SH-1371 (1)SH-1372 (1)SH-1373 (1)SH-1374 (1)SH-1375	SH-1429S	STD,.25mm Chry: 122(74-1977), 156(78-85); DodTrk: 122(79-80), 156(79-1980); MazTrk: 2555(87-1988); Mits: 2555(83-1989); MitsTrk: 2555(83-1984) Contents: (1)SH-1429 (1)SH-1760	SH-1487S	STD Cat: 893 Diesel Contents: (1)SH-1488 (6)SH-1487
SH-1379S	STD Cummm: 1485 Diesel, 1710 Diesel Contents: (1)SH-1379	SH-1431S	STD GMC Trk.: 3856 Diesel(87-1991); IsuTrk: 2775 Diesel(77-90), 3268 Diesel(79-84), 3595 Diesel(77-90), 3856 Diesel(85-1998) Contents: (1)SH-905 (2)SH-906	SH-1488	STD Cat: 1099 Diesel, 1649 Diesel Contents: (1)SH-1488
SH-1382S	STD Cummm: 903 Diesel; FordTrac: 903 Diesel; MasFer: 903 Diesel Contents: (2)SH-1382 (3)SH-1383	SH-1441S	STD FordTrk: 244(90-2000); MazTrk: 4016(91-2000) Contents: (1)SH-1441 (1)SH-1442 (1)SH-1443 (1)SH-1444	SH-1526S	STD Ford: 232(88-04), 238(04-2004); FordTrk: 232(95-2003), 238(04-04), 256(97-00) Contents: (2)SH-1526
SH-1385S	STD,10 GMC: 181(82-85), 196(78-79), 231(75-1984), 252(80-84); GMC Trk.: 231(78-1984) Contents: (1)SH-1360 (3)SH-1361	SH-1447S	STD Ford: 232(88-04), 238(04-2004); FordTrk: 232(95-2003), 238(04-04), 256(97-05) Contents: (2)SH-1446 (2)SH-1447	SH-1528S	STD GMC: 262(1975-1976), 267(1979-1982), 283(1964-1967), 302(1967-1969), 305(1976-1998), 307(1968-1973), 327(1964-1969), 350(1967-1998), 400(1970-1980) Contents: (5)SH-1528
SH-1386S	STD Ford: 159(72-73), 171(74-1979), 2551(70-76) Contents: (1)SH-1386 (1)SH-1387 (1)SH-1388 (1)SH-1389	SH-1448	STD GMC: 181(1982-1988), 196(1978-1979), 231(1978-1989), 252(1980-1984) Contents: (4)SH-1448	SH-1529S	STD Cummm: 855, 743 Diesel, 855 Diesel Contents: (1)SH-1377 (2)SH-1378 (4)SH-1529
SH-1390S	STD Ford: 2900(88-1990); FordTrk: 171(83-1986), 177(86-92) Contents: (1)SH-1390 (1)SH-1391 (1)SH-1392 (1)SH-1393	SH-1448S	STD GMC: 181(85-88), 204(89-1989), 231(85-85); GMC Trk.: 231(92-1994) Contents: (2)SH-1361 (2)SH-1448	SH-1761	STD Cat: 2115 Diesel, 3173 Diesel, 3948 Diesel, 4210 Diesel Contents: (1)SH-1761
SH-1394S	STD Alc: 555 Diesel; Cummm: 470 Diesel, 504 Diesel, 555 Diesel; FordTrac: 555 Diesel Contents: (2)SH-1394 (3)SH-1395	SH-1450S	STD Mack: 707, 672 Diesel, 707 Diesel, 728 Diesel; MilStd: 672 Diesel Contents: (1)SH-1450 (6)SH-676	SH-1762S	STD Cat: 318 Diesel Contents: (1)SH-1762 (2)SH-1245
SH-1395S	STD Cummm: 352 Diesel, 378 Diesel Contents: (2)SH-1394 (2)SH-1395	SH-1453S	STD Daih: 843(82-90), 993(77-1990) Contents: (1)SH-1452 (1)SH-1453	SH-1763S	STD Ford: 302(1968-2001), 351(1970-1974) Contents: (5)SH-1763
SH-1396S	STD ToyTrk: 1998(84-85), 2237(86-1990) Contents: (1)SH-1396 (1)SH-1397 (1)SH-1398 (1)SH-1399 (1)SH-1400	SH-1463S	STD IsuTrk: 2499 Diesel(85-90), 2771 Diesel(85-1990) Contents: (1)SH-1463 (2)SH-1464	SH-1766S	STD CommMar: 460; Ford: 370(79-91), 429(68-1973), 460(68-76); FordInd: 370(79-1991), 429(79-93), 460(73-93); FordMar: 429(68-1968), 460(68-78); FordTrk: 370(79-83), 429(70-73), 460(73-1976); HardMar: 460; HolMdyMar: 460(68-1978); JacMar: 460(68) Contents: (5)SH-1766
SH-1401S	STD Avanti: 305(1981-1988), 327(65-68), 350(70-80), 400(73-76); Checker: 267(80-82), 283(65-67), 305(78-81), 307(68-68), 327(65-68), 350(69-1975); ChrisCft: 283, 302, 305, 307, 327, 350; FlagMar: 283, 305, 307, 327, 350; GMC: 262(75-76), 265(55) Contents: (5)SH-1401	SH-1465S	STD Chry: 98(71-1980); Eagle: 98(89-1990); Hyun: 1595(92-1995), 1597(85-88); HyunTrk: 1597(85-1990); Mits: 1595(89-1990), 1597(85-88) Contents: (1)SH-1465 (1)SH-1466	SH-1768S	STD UD Truck: 6925 Diesel(80-1994) Contents: (1)SH-1768 (1)SH-1769 (1)SH-1770 (1)SH-1771
		SH-1467S	STD Chry: 122(84-1984); DodTrk: 122(83-1984); Hyun: 1997(85-1985); Mits: 1794(83-1988), 1997(84-84), 2351(85-85); MitsTrk: 1997(83-1984) Contents: (1)SH-1467 (1)SH-1468		



NUMERICAL LISTING OF CLEVITE CAMSHAFT BEARING SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
SH-1772S	STD GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998), 400(1970-1980) Contents: (1)SH-1351 (4)SH-400	SH-1817S	STD GMC: 138(95-95), 146(96-1996); GMC Trk.: 138(95-1996) Contents: (5)SH-1817	SH-1996S	STD FordTrk: 363 Diesel(03-2006); NavInt: 363 Diesel(03-2005) Contents: (5)SH-1996
SH-1773S	STD Cumm: 611 Diesel, 661 Diesel Contents: (7)SH-1773	SH-1818S	STD DodTrk: 488(94-2003) Contents: (1)SH-1818 (1)SH-1819 (1)SH-1820 (1)SH-1821 (1)SH-1822 (1)SH-1823	SH-1997S	STD DodTrk: 226(02-2005); Jeep: 226(02-2006) Contents: (1)SH-1997 (1)SH-1998
SH-1780S	STD GMC: 207(91-1996) Contents: (1)SH-1364 (1)SH-1780 (2)SH-1363	SH-1977S	STD Ford: 244(05-2005); FordTrk: 244(97-2005); MazTrk: 4016(01-2002) Contents: (1)SH-1977 (1)SH-1978	SH-1999S	STD GMC Trk.: 403 Diesel(01-2005); Workhorse: 403 Diesel(04-2005) Contents: (1)SH-1999 (4)SH-2006
SH-1789S	STD Ford: 183(86-2003); FordTrk: 183(86-1997); MazTrk: 183(94-2000) Contents: (1)SH-1334 (1)SH-1789 (2)SH-1335	SH-1979	STD Cat: 893 Diesel Contents: (1)SH-1979	SH-2000S	STD GMC Trk.: 169(04-2006), 211(04-06); Hummer: 211(06-2006); IsuTrk: 169(06-06), 211(06-2006) Contents: (1)SH-2007 (1)SH-2008 (1)SH-2009 (1)SH-2010
SH-1793S	STD MazTrk: 2606(89-1993) Contents: (1)SH-1793 (1)SH-1794 (1)SH-1795	SH-1980S	STD AMC: 150(83-86), 199(65-66), 232(64-1974), 258(71-88); DodTrk: 150(96-1996); Eagle: 150(88-1988); GrayMar: 258(71-1980); Jeep: 150(83-84), 232(65-73), 242(87-01), 258(71-1986); NavInt: 232(69-72), 258(72-1974) Contents: (1)SH-1980 (1)SH-550 (1)SH-551 (1)SH-552	SH-2002S	STD GMC: 134(02-2005); Sat: 134(03-2003); Saturn Truck: 134(02-2003) Contents: (1)SH-2002
SH-1796S	STD GMC: 262(1975-1976), 267(1979-1982), 283(1964-1967), 302(1967-1969), 305(1976-1998), 307(1968-1973), 327(1964-1969), 350(1967-1998), 400(1970-1980) Contents: (5)SH-1351	SH-1981	STD DodTrk: 359 Diesel(03-2002) Contents: (1)SH1981	SH-2012ST	STD Custom Performance: Contents: (5)SH-2012
SH-1797S	STD GMC: 283(1957-1963), 302(1967-1967), 327(1962-1963) Contents: (5)SH-287	SH-1982S	STD ToyInd: 2771 Contents: (1)SH-1982 (1)SH-1983 (1)SH-1984 (1)SH-1985	SH-2013ST	STD Custom Performance: Contents: (5)SH-2013
SH-1798S	STD GMC: 231(95-1998); GMC Trk.: 262(92-2003); IsuTrk: 262(97-2000); Workhorse: 262(00-2000) Contents: (1)SH-1798	SH-1986	STD DetD: 677, 677 Diesel, 778 Diesel Contents:	SH-2014ST	STD Custom Performance: Contents: (5)SH-2014
SH-1808S	STD GMC: 262(1975-1976), 267(1979-1982), 302(1968-1969), 305(1976-1998), 307(1968-1973), 327(1968-1969), 350(1967-1998), 400(1970-1980) Contents: (5)SH-1808	SH-1990S	STD Chry: 345(05-2005), 370(06-07); DodTrk: 345(03-2005); Jeep: 345(05-2005), 370(06-07) Contents: (1)SH-1990 (1)SH-1991 (1)SH-1992 (1)SH-1993 (1)SH-1994	SH-2015ST	STD Custom Performance: Contents: (1)SH-2015 (1)SH-2016 (1)SH-2017 (1)SH-2018 (1)SH-2019
SH-1812S	STD GMC: 231(95-2003) Contents: (2)SH-1812 (2)SH-1813	SH-1995S	STD GMC: 294(03-07), 325(03-07), 346(03-05), 365(03-2005); GMC Trk.: 294(03-07), 325(03-2004), 365(03-05); Hummer: 365(03-2005); IsuTrk: 325(03-03), 365(04-2007); Workhorse: 294(04-05), 365(04-2005) Contents: (1)SH-1816 (2)SH-1814 (2)SH-1995	SH-2020S	STD DodTrk: 287(00-2003) Contents:
SH-1814S	STD GMC: 294(99-03), 325(99-03), 346(97-2002), 365(99-03); GMC Trk.: 294(99-03), 325(99-03), 365(99-2002); Hummer: 365(03-2003) Contents: (1)SH-1816 (2)SH-1814 (2)SH-1815				

NUMERICAL LISTING OF CLEVITE INDIVIDUAL CAMSHAFT BEARINGS					
Part No.	Undersizes	Contained In	Part No.	Undersizes	Contained In
SH-21	STD Ford: 239(39-48)	SH-21S	SH-197	STD Clark: 320	SH-198S
SH-22	STD Ford: 239(39-48)	SH-21S	SH-198	STD Clark: 320	SH-198S SH-561S SH-562S
SH-23	STD Chry: 218(34-50)	SH-23S SH-37S	SH-209	STD,10 GMC: 216(37-52)	SH-209S
SH-24	STD Chry: 218(34-50)	SH-23S	SH-220	STD IntInd: 220	SH-220S SH-493S SH-538S SH-558S
SH-25	STD Chry: 218(34-50)	SH-23S	SH-221	STD IntInd: 372	SH-493S
SH-33	STD,10 GMC: 216(37-52)	SH-209S	SH-222	STD IntInd: 372	SH-493S SH-538S
SH-34	STD,10 GMC: 216(37-52)	SH-209S	SH-224	STD IntInd: 220	SH-220S
SH-35	STD,10 GMC: 216(37-52)	SH-209S	SH-249	STD Ford: 215(52-53)	SH-534S
SH-37	STD Chry: 218(38-1954)	SH-37S	SH-250	STD FordInd: 332(56-1963); FordTrk: 302(56-1963)	SH-343S SH-344S
SH-38	STD Chry: 218(38-1954)	SH-37S	SH-263	STD GMC: 235(54-1957); GMCTrk.: 235(54-62)	SH-383S
SH-56	STD Case: 124	SH-190S SH-191S SH-56S	SH-264	STD GMC: 235(54-1957); GMCTrk.: 235(54-62)	SH-383S
SH-57	STD Case: 124	SH-190S SH-191S SH-56S	SH-265	STD GMC: 235(54-1957); GMCTrk.: 235(54-62)	SH-383S
SH-69	STD IntTrac: 233; Jeep: 134(39-1953); KaisFraz: 134(51-1953); MilStd: 134; NavInt: 175(37-47)	SH-69S	SH-277	STD GMC: 331(49-55)	SH-277S
SH-116	STD IntInd: 248	SH-116S	SH-278	STD GMC: 331(49-55)	SH-277S
SH-117	STD IntInd: 248	SH-116S	SH-285	STD,10 DearbMar: 256(54-54)	SH-559S
SH-118	STD IntInd: 248	SH-116S	SH-287	STD,10 ChrisCft: 283; FlagMar: 283	SH-1797S SH-287S SH-290S
SH-128	STD Ford: 122(71-1974)	SH-733S	SH-288	STD,10 ChrisCft: 283; FlagMar: 283	SH-287S SH-290S
SH-129	STD Ford: 122(71-1974)	SH-733S	SH-289	STD ChrisCft: 283; FlagMar: 283	SH-287S
SH-130	STD Ford: 122(71-1974)	SH-733S	SH-290	STD,10 ChrisCft: 283; FlagMar: 283	SH-287S SH-290S
SH-133	STD VW: 1192(65-65)	SH-735S	SH-291	STD GMC: 195(61-62)	SH-291S
SH-134	STD VW: 1192(65-65)	SH-735S	SH-292	STD GMC: 195(61-62)	SH-291S SH-292S
SH-135(L)	STD VW: 1192(65-65)	SH-735S			
SH-142	STD MilStd: 779	SH-142S			
SH-191	STD Clark: 209	SH-190S SH-191S SH-683S			



NUMERICAL LISTING OF CLEVITE INDIVIDUAL CAMSHAFT BEARINGS			
Part No.	Undersizes	Contained In	Part No.
Application			Application
SH-313 STD			SH-365 STD
Chry: 301(55-55)		SH-313S	GMC: 364(57-60)
SH-314 STD			SH-1360S
Chry: 301(55-55)		SH-313S	SH-361S
SH-315 STD			SH-506S
Chry: 301(55-55)		SH-313S	SH-369 STD
SH-317 STD			FordInd: 401(58-76)
Cont: 120		SH-683S	SH-369S
SH-318 STD			SH-370 STD
Cumm: 743		SH-568S	FordInd: 401(58-76)
SH-322 STD			SH-377 STD
Alc: 237; ChrisCft: 230		SH-322S	ChrisCft: 427; DearbMar: 390(61-1966)
SH-323 STD			SH-378 STD
Alc: 237; ChrisCft: 230		SH-322S	ChrisCft: 427; DearbMar: 390(61-1966)
SH-326 STD			SH-379 STD
Chry: 273(64-66)		SH-875S	ChrisCft: 427; DearbMar: 390(61-1966)
SH-327 STD			SH-380 STD
Chry: 273(64-66)		SH-875S	ChrisCft: 427; DearbMar: 390(61-1966)
SH-328 STD			SH-383 STD
Chry: 273(64-66)		SH-875S	GMC: 235(54-1957); GMCTrk.: 235(54-62)
SH-329 STD			SH-384 STD
Chry: 273(64-66)		SH-1112S SH-1114S SH-875S	Alc: 116
SH-330 STD			SH-385 STD
Coshtt: 194		SH-330S SH-614S	Alc: 201
SH-343 STD			SH-386 STD
FordInd: 332(56-1963); FordTrk: 302(56-1963)		SH-343S	Alc: 153
SH-344 STD			SH-387 STD
FordInd: 332(56-1963); FordTrk: 302(56-1963)		SH-343S SH-344S	Alc: 153
SH-351 STD			SH-388 STD
IntInd: 401		SH-681S	Alc: 153
SH-352 STD			SH-398 STD
IntInd: 401		SH-681S	GMC: 348(58-61)
SH-354 STD			SH-399 STD
IntInd: 152		SH-354S	GMC: 348(58-61)
SH-355 STD			SH-398S
IntInd: 152		SH-354S	SH-399S
SH-356 STD			SH-400S
IntInd: 152		SH-354S	SH-400 STD,10
SH-357 STD			GMC: 348(58-61)
Mack: 707		SH-693S SH-993S	SH-1030S
SH-361 STD			SH-1772S
GMC: 364(57-60)		SH-361S	SH-398S
SH-363 STD			SH-399S
GMC: 364(57-60)		SH-1360S SH-361S SH-506S	SH-400S
SH-364 STD			SH-718S
GMC: 364(57-60)		SH-1360S SH-361S SH-506S	SH-401 STD
SH-365 STD			GMC: 348(58-61)
GMC: 364(57-60)		SH-1360S SH-361S SH-506S	SH-398S
SH-369 STD			SH-403 STD
FordInd: 401(58-76)		SH-369S	Chry: 170(60-62)
SH-370 STD			SH-874S
FordInd: 401(58-76)		SH-369S	SH-876S
SH-377 STD			SH-404 STD
ChrisCft: 427; DearbMar: 390(61-1966)		SH-781S	Chry: 350(58-58)
SH-378 STD			SH-876S
ChrisCft: 427; DearbMar: 390(61-1966)		SH-781S	SH-405 STD
SH-379 STD			Chry: 350(58-58)
ChrisCft: 427; DearbMar: 390(61-1966)		SH-781S	SH-876S
SH-380 STD			SH-406 STD
ChrisCft: 427; DearbMar: 390(61-1966)		SH-781S	Chry: 350(58-58)
SH-383 STD			SH-876S
GMC: 235(54-1957); GMCTrk.: 235(54-62)		SH-383S	SH-412 STD
SH-384 STD			DearbMar: 144(60-64)
Alc: 116		SH-384S	SH-703S
SH-385 STD			
Alc: 201		SH-385S	
SH-386 STD			
Alc: 153		SH-386S	
SH-387 STD			
Alc: 153		SH-386S	
SH-388 STD			
Alc: 153		SH-386S	
SH-398 STD			
GMC: 348(58-61)		SH-398S	
SH-399 STD			
GMC: 348(58-61)		SH-398S SH-399S SH-400S	
SH-400 STD,10			
GMC: 348(58-61)		SH-1030S SH-1772S SH-398S SH-399S SH-400S SH-718S	
SH-401 STD			
GMC: 348(58-61)		SH-398S	
SH-403 STD			
Chry: 170(60-62)		SH-874S SH-876S	
SH-404 STD			
Chry: 350(58-58)		SH-876S	
SH-405 STD			
Chry: 350(58-58)		SH-876S	
SH-406 STD			
Chry: 350(58-58)		SH-876S	
SH-412 STD			
DearbMar: 144(60-64)		SH-703S	



NUMERICAL LISTING OF CLEVITE INDIVIDUAL CAMSHAFT BEARINGS					
Part No.	Undersizes	Contained In	Part No.	Undersizes	Contained In
SH-413	STD DearbMar: 144(60-64)	SH-703S	SH-504	STD Case: 106	SH-502S
SH-414	STD DearbMar: 144(60-64)	SH-703S	SH-506	STD GMC: 364(57-60)	SH-1360S SH-361S SH-506S
SH-424	STD Chry: 170(60-62)	SH-874S	SH-507	STD IntTrac: 144Diesel	SH-507S
SH-425	STD Chry: 170(60-62)	SH-1115S SH-874S	SH-508	STD IntTrac: 144Diesel	SH-507S
SH-426	STD IntInd: 345; NavInt: 152(61-63)	SH-426S	SH-509	STD IntTrac: 144Diesel	SH-507S
SH-427	STD IntInd: 345; NavInt: 152(61-63)	SH-426S	SH-510	STD,10 CommMar: 302	SH-510S
SH-428	STD IntInd: 345; NavInt: 152(61-63)	SH-426S	SH-511	STD,10 CommMar: 302	SH-510S SH-710S
SH-429	STD IntInd: 345; NavInt: 152(61-63)	SH-426S	SH-512	STD,10 CommMar: 302	SH-510S SH-710S
SH-430	STD IntInd: 345; NavInt: 152(61-63)	SH-426S	SH-513	STD,10 CommMar: 302	SH-510S SH-710S
SH-439	STD Wauk: 1013	SH-439S	SH-514	STD,10 CommMar: 302	SH-510S SH-710S
SH-440	STD Wauk: 1013	SH-439S	SH-518	STD Case: 188	SH-1191S SH-690S
SH-441	STD Wauk: 1013	SH-439S	SH-525	STD Alc: 213Diesel	SH-525
SH-455	STD IntInd: 220	SH-220S SH-558S	SH-529	STD AMC: 196(61-1964)	SH-529S
SH-468	STD Alc: 213Diesel	SH-468	SH-530	STD GMC: 368(80-81)	SH-530S
SH-470	STD AMC: 196(61-1964)	SH-529S	SH-531	STD Deere: 113	SH-531S
SH-471	STD AMC: 196(61-1964)	SH-529S	SH-532	STD Deere: 113	SH-531S
SH-472	STD AMC: 196(61-1964)	SH-529S	SH-533	STD Ford: 223(63-1963); FordInd: 223(63-64)	SH-533S SH-534S
SH-476R	STD,20 Alc: 213Diesel	SH-476RS	SH-538	STD IntInd: 361Diesel	SH-538S
SH-477W	STD Alc: 213Diesel	SH-477WS	SH-539	STD IntInd: 361Diesel	SH-538S
SH-493	STD IntInd: 220	SH-220S SH-493S SH-558S	SH-543	STD IntInd: 573Diesel; IntTrac: 573Diesel	SH-543S
SH-500	STD Deere: 115	SH-500S SH-501S	SH-550	STD AMC: 150(83-86)	SH-1980S
SH-501	STD Deere: 115	SH-500S SH-501S	SH-551	STD AMC: 150(83-86)	SH-1980S
SH-502	STD Case: 106	SH-502S	SH-552	STD AMC: 150(83-86)	SH-1980S
SH-503	STD Case: 106	SH-502S			



NUMERICAL LISTING OF CLEVITE INDIVIDUAL CAMSHAFT BEARINGS					
Part No.	Undersizes		Part No.	Undersizes	
Application		Contained In	Application		Contained In
SH-559	STD,10		SH-672	STD	
DearbMar: 256(54-54)		SH-559S	AMC: 290(66-1969)		SH-671S
SH-560	STD		SH-673	STD	
Mack: 707		SH-676S SH-693S SH-993S	AMC: 290(66-1969)		SH-671S
SH-561	STD		SH-674	STD	
Herc: 130		SH-561S SH-562S	AMC: 290(66-1969)		SH-671S
SH-563	STD		SH-675	STD	
Mack: 672		SH-563S	AMC: 290(66-1969)		SH-671S
SH-564	STD		SH-676	STD	
Mack: 672		SH-563S	Mack: 707		SH-1450S SH-676S SH-693S SH-993S
SH-566W	STD		SH-681	STD	
Mack: 672		SH-566WS	Intlnd: 401		SH-681S
SH-567	STD,10		SH-682	STD	
Ford: 240(65-1968); Fordlnd: 240(65-74)		SH-1254S SH-567S	Intlnd: 401		SH-681S
SH-568	STD		SH-686	STD	
Cumm: 743		SH-568S	DetD: 424Diesel; DetD: 106Diesel; Clark: 159Diesel; DetD: 159Diesel; FordTrk: 159Diesel(73-1973); GMCTrk.: 159Diesel(67-1968); MilStd: 159Diesel; Clark: 212Diesel; Coshtt: 212Diesel; DetD: 212Diesel; Oliver: 212Diesel; DetD: 318Diesel; MilS		SH-686S SH-698S SH-699S SH-700S SH-701S
SH-615	STD		SH-687	STD	
FlagMar: 427; GMC: 366(66-66)		SH-615S SH-616S	DetD: 424Diesel; DetD: 106Diesel; Clark: 159Diesel; DetD: 159Diesel; FordTrk: 159Diesel(73-1973); GMCTrk.: 159Diesel(67-1968); MilStd: 159Diesel; Clark: 212Diesel; Coshtt: 212Diesel; DetD: 212Diesel; Oliver: 212Diesel; DetD: 318Diesel; MilS		SH-686S SH-698S SH-699S SH-700S SH-701S
SH-616	STD		SH-688	STD	
FlagMar: 427; GMC: 366(66-66)		SH-615S SH-616S	DetD: 424Diesel; Clark: 212Diesel; Coshtt: 212Diesel; DetD: 212Diesel; Oliver: 212Diesel		SH-686S SH-700S
SH-617	STD		SH-689	STD	
FlagMar: 427; GMC: 366(66-66)		SH-615S SH-616S SH-617S	Case: 188		SH-1191S SH-690S
SH-618	STD		SH-692	STD	
FlagMar: 427; GMC: 366(66-66)		SH-615S	Onan: 50		SH-692S
SH-628	STD		SH-693	STD	
Alc: 426Diesel; Alc: 265		SH-628S SH-629S SH-719S	Mack: 707		SH-693S
SH-629	STD		SH-703	STD	
Alc: 426Diesel; Alc: 265		SH-628S SH-629S SH-719S	DearbMar: 144(60-64)		SH-703S
SH-643	STD		SH-704	STD	
ChrisCft: 427; DearbMar: 427; Ford: 427(66-1968); FordMar: 427		SH-643S	Case: 251		SH-704S SH-705S
SH-644	STD		SH-705	STD	
ChrisCft: 427; DearbMar: 427; Ford: 427(66-1968); FordMar: 427		SH-643S	Case: 251		SH-704S SH-705S
SH-645	STD		SH-706	STD	
ChrisCft: 427; DearbMar: 427; Ford: 427(66-1968); FordMar: 427		SH-643S	Case: 251		SH-704S SH-705S
SH-646	STD		SH-710	STD,10	
ChrisCft: 427; DearbMar: 427; Ford: 427(66-1968); FordMar: 427		SH-643S	Ford: 351(70-76)		SH-710S
SH-652	STD		SH-711	STD	
Fordlnd: 401Diesel; FordTrac: 158(65-68)		SH-652	Ford: 98(71-1973)		SH-711S
SH-671	STD		SH-712	STD	
AMC: 290(66-1969)		SH-671S	Ford: 98(71-1973)		SH-711S

NUMERICAL LISTING OF CLEVITE INDIVIDUAL CAMSHAFT BEARINGS			
Part No.	Undersizes	Contained In	Part No.
Application			Application
SH-713 STD Ford: 98(71-1973)		SH-711S	SH-771 STD Nis: 1171(71-1973)
SH-716 STD GMC: 122(75-76)		SH-716S	SH-772 STD Nis: 1982(68-1970); NisInd: 1982(67-1992)
SH-717 STD GMC: 122(75-76)		SH-716S	SH-774 STD Nis: 1982(68-1970); NisInd: 1982(67-1992)
SH-720 STD Toy: 1077(68-69)		SH-720S	SH-777 STD Ford: 140(74-1983); FordInd: 140(77-1993); FordTrk: 121(83-88)
SH-721 STD Toy: 1077(68-69)		SH-720S	SH-781 STD ChrisCft: 427; DearbMar: 427; Ford: 427(66-1968); FordMar: 427; DearbMar: 390(61-1966)
SH-722 STD Toy: 1077(68-69)		SH-720S	SH-786 STD Deere: 301
SH-723 STD Toy: 1077(68-69)		SH-720S	SH-813 STD Opel: 1698(65-71)
SH-725 STD Toy: 1588(71-1974)		SH-725S	SH-814 STD Opel: 1698(65-71)
SH-726 STD Toy: 1588(71-1974)		SH-725S	SH-816 STD Opel: 1698(65-71)
SH-727 STD Toy: 1588(71-1974)		SH-725S	SH-874 STD Chry: 170(60-62)
SH-728 STD Toy: 1588(71-1974)		SH-725S	SH-875 STD Chry: 273(64-66)
SH-729 STD Toy: 1588(71-1974)		SH-725S	SH-876 STD Chry: 350(58-58)
SH-732 STD MilStd: 142		SH-732S	SH-905 STD IsuTrk: 5393Diesel(72-1990)
SH-759 STD Toy: 1897(65-1970); ToyInd: 1994(70-1986); ToyTrk: 1897(65-1970)		SH-1065S	SH-906 STD IsuTrk: 5393Diesel(72-1990)
SH-760 STD Toy: 1897(65-1970); ToyInd: 1994(70-1986); ToyTrk: 1897(65-1970)		SH-1065S	SH-907 STD GMCTrk.: 2238Diesel(81-1982); IsuInd: 119Diesel(81-82)
SH-762 STD Toy: 1897(65-1970); ToyInd: 1994(70-1986); ToyTrk: 1897(65-1970)		SH-1065S	SH-908 STD GMCTrk.: 2238Diesel(81-1982); IsuInd: 119Diesel(81-82)
SH-763 STD Toy: 1897(65-1970); ToyInd: 1994(70-1986); ToyTrk: 1897(65-1970)		SH-1065S	SH-909 STD GMCTrk.: 2238Diesel(81-1982); IsuInd: 119Diesel(81-82)
SH-764 STD Nis: 1189(61-66)		SH-764S	SH-951 STD NisTrk: 3956(60-1990)
SH-765 STD Nis: 1189(61-66)		SH-764S SH-772S SH-952S	SH-952 STD NisTrk: 3956(60-1990)
SH-766 STD Nis: 1189(61-66)		SH-764S	SH-953 STD NisTrk: 3956(60-1990)
SH-767 STD Nis: 1171(71-1973)		SH-767S	SH-954 STD NisTrk: 3956(60-1990)
SH-768 STD Nis: 1171(71-1973)		SH-767S	SH-978 STD Toy: 1490(64-1970); ToyInd: 1490(64-1970)
SH-769 STD Nis: 1171(71-1973)		SH-767S	
SH-770 STD Nis: 1171(71-1973)		SH-767S	



NUMERICAL LISTING OF CLEVITE INDIVIDUAL CAMSHAFT BEARINGS			
Part No.	Undersizes	Contained In	Part No.
Application			Application
SH-979	STD Toy: 1490(64-1970); ToyInd: 1490(64-1970)	SH-978S	SH-1114
SH-980	STD Toy: 1490(64-1970); ToyInd: 1490(64-1970)	SH-978S	STD Chry: 318(79-89)
SH-994	STD IntInd: 312Diesel	SH-994S	SH-1115
SH-995	STD IntInd: 312Diesel	SH-994S	STD Chry: 225(79-1982); ChryInd: 225(79-1987); ChryMar: 225; DodTrk: 225(79-1980)
SH-996	STD IntInd: 312Diesel	SH-994S	SH-1116
SH-997	STD IntInd: 312Diesel	SH-994S	STD Chry: 225(79-1982); ChryInd: 225(79-1987); ChryMar: 225; DodTrk: 225(79-1980)
SH-1052	STD FordTrac: 363Diesel(65-90)	SH-1006S SH-1017S	SH-1117
SH-1053	STD FordTrac: 363Diesel(65-90)	SH-1006S SH-1017S	STD Chry: 225(79-1982); ChryInd: 225(79-1987); ChryMar: 225; DodTrk: 225(79-1980)
SH-1060	STD ToyTrk: 3878(69-75)	SH-1060S	SH-1190
SH-1061	STD ToyTrk: 3878(69-75)	SH-1060S	STD GMCTrk.: 1817(72-1975)
SH-1062	STD ToyTrk: 3878(69-75)	SH-1060S	SH-1191
SH-1063	STD ToyTrk: 3878(69-75)	SH-1060S	STD Case: 188Diesel
SH-1065	STD Toy: 1897(65-1970); ToyInd: 1994(70-1986); ToyTrk: 1897(65-1970)	SH-1065S	SH-1197
SH-1066	STD FordTrk: 110(72-78)	SH-1066S	STD Ford: 232(82-1983); FordTrk: 232(82-1983)
SH-1067	STD FordTrk: 110(72-78)	SH-1066S	SH-1198
SH-1092	STD FordTrk: 420Diesel(83-84)	SH-1092S	STD Ford: 232(82-1983); FordTrk: 232(82-1983)
SH-1093	STD FordTrk: 420Diesel(83-84)	SH-1092S	SH-1208
SH-1094	STD Ford: 122(71-1974)	SH-1094S	STD DetD: 500Diesel
SH-1095	STD Ford: 140(74-1983); FordInd: 140(77-1993); FordTrk: 121(83-88)	SH-1095S	SH-1209
SH-1096	STD Ford: 140(74-1983); FordInd: 140(77-1993); FordTrk: 121(83-88)	SH-1095S	STD Audi: 1471(73-74)
SH-1111	STD,10 CommMar: 460; Ford: 370(79-91)	SH-1111S	SH-1210
SH-1112	STD Chry: 318(79-89)	SH-1112S SH-1114S	STD Audi: 1471(73-74)
SH-1113	STD Chry: 318(79-89)	SH-1112S	SH-1211
			STD Case: 124
			SH-1245
			STD Cat: 522Diesel
			SH-1248
			STD ToyTrk: 2188Diesel(81-83)
			SH-1249
			STD ToyTrk: 2188Diesel(81-83)
			SH-1250
			STD Cumm: 1150Diesel
			SH-1251
			STD Ford: 140(84-1987)
			SH-1252
			STD Ford: 140(84-1987)
			SH-1253
			STD Ford: 140(84-1987)
			SH-1254
			STD FordInd: 300(85-1993); FordMar: 300; FordTrk: 300(85-1996); OscoMar: 300
			SH-1256
			STD Chry: 135(81-90)
			SH-1305
			STD GMC: 151(85-1989)
			SH-1314
			STD SupDie: 3575Diesel

NUMERICAL LISTING OF CLEVITE INDIVIDUAL CAMSHAFT BEARINGS			
Part No.	Undersizes	Contained In	Part No.
Application			Application
SH-1314W STD	SupDie: 3575Diesel	SH-1314W	SH-1358 STD
SH-1321 STD	Ford: 221(1962-1963)	SH-1321S	BarrMar: 455(68-1976); Berk: 350(68-76)
SH-1322 STD	Ford: 221(1962-1963)	SH-1321S	SH-1354S
SH-1323 STD	Ford: 221(1962-1963)	SH-1321S	SH-1355S
SH-1324 STD	Ford: 221(1962-1963)	SH-1321S	SH-1359 STD
SH-1325 STD	Ford: 221(1962-1963)	SH-1321S	BarrMar: 403(77-1979); Berk: 350(77-1980); Checker: 350Diesel(80-1982); GMC: 260(77-80)
SH-1326 STD	Chry: 135(81-90)	SH-1326S	SH-1355S
SH-1328 STD	Wauk: 220	SH-1328S SH-1329S	SH-1360 STD,10
SH-1329 STD	Wauk: 220	SH-1328S SH-1329S	GMC: 181(1982-1988)
SH-1334 STD	Ford: 183(86-2003); FordTrk: 183(86-1997); MazTrk: 183(94-2000)	SH-1789S	SH-1360S
SH-1335 STD	Ford: 183(86-2003); FordTrk: 183(86-1997); MazTrk: 183(94-2000)	SH-1789S	SH-1361S
SH-1349 STD,10	Avanti: 305(1981-1988)	SH-1349S SH-1350S SH-1351S	SH-1361 STD,10
SH-1350 STD,10	Avanti: 305(1981-1988)	SH-1349S SH-1350S SH-1351S	GMC: 350(68-1975)
SH-1351 STD,10	Avanti: 305(1981-1988)	SH-1349S SH-1350S SH-1351S SH-1772S SH-1796S	SH-1361S
SH-1352 STD	Avanti: 305(1981-1988)	SH-1352S	SH-1362 STD,80
SH-1354 STD	BarrMar: 455(68-1976); Berk: 350(68-76)	SH-1354S	GMC: 173(80-1980)
SH-1355 STD	BarrMar: 455(68-1976); Berk: 350(68-76)	SH-1354S SH-1355S SH-1356S	SH-1364S
SH-1356 STD	BarrMar: 455(68-1976); Berk: 350(68-76)	SH-1354S SH-1355S SH-1356S	SH-1363 STD,80
SH-1357 STD	BarrMar: 455(68-1976); Berk: 350(68-76)	SH-1354S SH-1355S SH-1356S	GMC: 173(80-1980)
			SH-1364S
			SH-1365S
			SH-1780S
			SH-1364 STD,80
			GMC: 173(80-1980)
			SH-1364S
			SH-1365S
			SH-1780S
			SH-1365 STD
			GMC: 112(82-82)
			SH-1365S
			SH-1366 STD
			GMCTrk.: 379Diesel(82-93)
			SH-1366S
			SH-1367 STD
			GMCTrk.: 379Diesel(82-93)
			SH-1366S
			SH-1368 STD
			GMCTrk.: 379Diesel(82-93)
			SH-1366S
			SH-1369 STD
			GMCTrk.: 379Diesel(82-93)
			SH-1366S
			SH-1370 STD
			GMCTrk.: 379Diesel(82-93)
			SH-1366S
			SH-1371 STD
			GMC: 249(82-1986)
			SH-1371S
			SH-1372 STD
			GMC: 249(82-1986)
			SH-1371S
			SH-1373 STD
			GMC: 249(82-1986)
			SH-1371S
			SH-1374 STD
			GMC: 249(82-1986)
			SH-1371S
			SH-1375 STD
			GMC: 249(82-1986)
			SH-1371S
			SH-1377 STD
			Cumm: 855
			SH-1529S
			SH-1378 STD
			Cumm: 855
			SH-1529S
			SH-1379 STD
			Cumm: 1485Diesel
			SH-1379S



NUMERICAL LISTING OF CLEVITE INDIVIDUAL CAMSHAFT BEARINGS					
Part No. Undersizes Application			Part No. Undersizes Application		
Contained In			Contained In		
SH-1382	STD	Cumm: 903Diesel; FordTrac: 903Diesel; MasFer: 903Diesel	SH-1382S	SH-1408	STD
					Chry: 201(90-1997)
					SH-1405S
SH-1383	STD	Cumm: 903Diesel; FordTrac: 903Diesel; MasFer: 903Diesel	SH-1382S	SH-1429	STD, 25mm
					Chry: 122(74-1977)
					SH-1429S
SH-1386	STD	Ford: 159(72-73)	SH-1386S	SH-1441	STD
					FordTrk: 244(90-2000); MazTrk: 4016(91-2000)
					SH-1441S
SH-1387	STD	Ford: 159(72-73)	SH-1386S	SH-1442	STD
					FordTrk: 244(90-2000); MazTrk: 4016(91-2000)
					SH-1441S
SH-1388	STD	Ford: 159(72-73)	SH-1386S	SH-1443	STD
					FordTrk: 244(90-2000); MazTrk: 4016(91-2000)
					SH-1441S
SH-1389	STD	Ford: 159(72-73)	SH-1386S	SH-1444	STD
					FordTrk: 244(90-2000); MazTrk: 4016(91-2000)
					SH-1441S
SH-1390	STD	Ford: 2900(88-1990); FordTrk: 171(83-1986)	SH-1390S	SH-1446	STD
					Ford: 232(88-04)
					SH-1447S
SH-1391	STD	Ford: 2900(88-1990); FordTrk: 171(83-1986)	SH-1390S	SH-1447	STD
					Ford: 232(88-04)
					SH-1447S
SH-1392	STD	Ford: 2900(88-1990); FordTrk: 171(83-1986)	SH-1390S	SH-1448	STD
					GMC: 181(1982-1988)
					SH-1448
					SH-1448S
SH-1393	STD	Ford: 2900(88-1990); FordTrk: 171(83-1986)	SH-1390S	SH-1450	STD
					Mack: 707
					SH-1450S
SH-1394	STD	Alc: 555Diesel; Cumm: 470Diesel	SH-1394S	SH-1452	STD
			SH-1395S		Daih: 843(82-90)
					SH-1453S
SH-1395	STD	Alc: 555Diesel; Cumm: 470Diesel	SH-1394S	SH-1453	STD
			SH-1395S		Daih: 843(82-90)
					SH-1453S
SH-1396	STD	ToyTrk: 1998(84-85)	SH-1396S	SH-1463	STD
					IsuTrk: 2499Diesel(85-90)
					SH-1463S
SH-1397	STD	ToyTrk: 1998(84-85)	SH-1396S	SH-1464	STD
					IsuTrk: 2499Diesel(85-90)
					SH-1463S
SH-1398	STD	ToyTrk: 1998(84-85)	SH-1396S	SH-1465	STD
					Chry: 98(71-1980); Eagle: 98(89-1990); Hyun: 1595(92-1995)
					SH-1465S
SH-1399	STD	ToyTrk: 1998(84-85)	SH-1396S	SH-1466	STD
					Chry: 98(71-1980); Eagle: 98(89-1990); Hyun: 1595(92-1995)
					SH-1465S
SH-1400	STD	ToyTrk: 1998(84-85)	SH-1396S	SH-1467	STD
					Chry: 122(84-1984); DodTrk: 122(83-1984); Hyun: 1997(85-1985); Mits: 1794(83-1988)
					SH-1467S
					SH-1469S
SH-1401	STD	Avanti: 305(1981-1988)	SH-1401S	SH-1468	STD
					Chry: 122(84-1984); DodTrk: 122(83-1984); Hyun: 1997(85-1985); Mits: 1794(83-1988)
					SH-1467S
					SH-1469S
SH-1402	STD	Case: 505Diesel; Cumm: 309Diesel	SH-1402	SH-1469	STD
					Chry: 122(85-1991)
					SH-1469S
SH-1403		Chry: 153(86-1992); DodTrk: 153(87-1990)	SH-1403-SEMI	SH-1478	STD
					ToyTrk: 2977Diesel(86-1985)
					SH-1481S
SH-1404	STD	Case: 180Diesel	SH-1404	SH-1479	STD
					ToyTrk: 2977Diesel(86-1985)
					SH-1481S
SH-1405	STD	Chry: 201(90-1997)	SH-1405S	SH-1480	STD
					ToyTrk: 2977Diesel(86-1985)
					SH-1481S
SH-1406	STD	Chry: 201(90-1997)	SH-1405S	SH-1481	STD
					ToyTrk: 2977Diesel(86-1985)
					SH-1481S
					SH-1485S
SH-1407	STD	Chry: 201(90-1997)	SH-1405S		

NUMERICAL LISTING OF CLEVITE INDIVIDUAL CAMSHAFT BEARINGS					
Part No.	Undersizes		Part No.	Undersizes	
Application		Contained In	Application		Contained In
SH-1482	STD ToyTrk: 2977Diesel(86-1985)	SH-1481S SH-1485S	SH-1798	STD GMC: 231(95-1998); GMCTrk.: 262(92-2003); IsuTrk: 262(97-2000); Workhorse: 262(00-2000)	SH-1798S
SH-1483	STD ToyTrk: 2977Diesel(88-88)	SH-1485S	SH-1808	STD GMC: 262(1975-1976)	SH-1808S
SH-1484	STD ToyTrk: 2977Diesel(88-88)	SH-1485S	SH-1812	STD GMC: 231(95-2003)	SH-1812S
SH-1485	STD ToyTrk: 2977Diesel(88-88)	SH-1485S	SH-1813	STD GMC: 231(95-2003)	SH-1812S
SH-1487	STD Cat: 1099Diesel	SH-1487 SH-1487S	SH-1814	STD GMC: 294(99-03)	SH-1814S SH-1995S
SH-1488	STD Cat: 893Diesel; Cat: 1099Diesel	SH-1487S SH-1488	SH-1815	STD GMC: 294(99-03)	SH-1814S
SH-1526	STD Ford: 232(88-04)	SH-1526S	SH-1816	STD GMC: 294(99-03)	SH-1814S SH-1995S
SH-1528	STD GMC: 262(1975-1976)	SH-1528S	SH-1817	STD GMC: 138(95-95)	SH-1817S
SH-1529	STD Cumm: 855	SH-1529S	SH-1818	STD DodTrk: 488(94-2003)	SH-1818S
SH-1760	STD,.25mm Chry: 122(74-1977)	SH-1429S	SH-1819	STD DodTrk: 488(94-2003)	SH-1818S
SH-1761	STD Cat: 2115Diesel	SH-1761	SH-1820	STD DodTrk: 488(94-2003)	SH-1818S
SH-1762	STD Cat: 318Diesel	SH-1762S	SH-1821	STD DodTrk: 488(94-2003)	SH-1818S
SH-1763	STD Ford: 302(1968-2001)	SH-1763S	SH-1822	STD DodTrk: 488(94-2003)	SH-1818S
SH-1766	STD CommMar: 460; Ford: 370(79-91)	SH-1766S	SH-1823	STD DodTrk: 488(94-2003)	SH-1818S
SH-1768	STD UDTruck: 6925Diesel(80-1994)	SH-1768S	SH-1977	STD Ford: 244(05-2005); FordTrk: 244(97-2005); MazTrk: 4016(01-2002)	SH-1977S
SH-1769	STD UDTruck: 6925Diesel(80-1994)	SH-1768S	SH-1978	STD Ford: 244(05-2005); FordTrk: 244(97-2005); MazTrk: 4016(01-2002)	SH-1977S
SH-1770	STD UDTruck: 6925Diesel(80-1994)	SH-1768S	SH-1979	STD Cat: 893Diesel	SH-1979
SH-1771	STD UDTruck: 6925Diesel(80-1994)	SH-1768S	SH-1980	STD AMC: 150(83-86)	SH-1980S
SH-1773	STD Cumm: 611Diesel	SH-1773S	SH1981	STD DodTrk: 359Diesel(03-2002)	SH-1981
SH-1780	STD GMC: 207(91-1996)	SH-1780S	SH-1982	STD ToyInd: 2771	SH-1982S
SH-1789	STD Ford: 183(86-2003); FordTrk: 183(86-1997); MazTrk: 183(94-2000)	SH-1789S	SH-1983	STD ToyInd: 2771	SH-1982S
SH-1793	STD MazTrk: 2606(89-1993)	SH-1793S	SH-1984	STD ToyInd: 2771	SH-1982S
SH-1794	STD MazTrk: 2606(89-1993)	SH-1793S	SH-1985	STD ToyInd: 2771	SH-1982S
SH-1795	STD MazTrk: 2606(89-1993)	SH-1793S			



NUMERICAL LISTING OF CLEVITE INDIVIDUAL CAMSHAFT BEARINGS					
Part No. Undersizes Application Contained In			Part No. Undersizes Application Contained In		
SH-1990 STD Chry: 345(05-2005)		SH-1990S	SH-2007 STD GMCTrk.: 169(04-2006)		SH-2000S
SH-1991 STD Chry: 345(05-2005)		SH-1990S	SH-2008 STD GMCTrk.: 169(04-2006)		SH-2000S
SH-1992 STD Chry: 345(05-2005)		SH-1990S	SH-2009 STD GMCTrk.: 169(04-2006)		SH-2000S
SH-1993 STD Chry: 345(05-2005)		SH-1990S	SH-2010 STD GMCTrk.: 169(04-2006)		SH-2000S
SH-1994 STD Chry: 345(05-2005)		SH-1990S	SH-2012 STD CustomPerformance:		SH-2012ST
SH-1995 STD GMC: 294(03-07)		SH-1995S	SH-2013 STD CustomPerformance:		SH-2013ST
SH-1996 STD FordTrk: 363Diesel(03-2006); NavInt: 363Diesel(03-2005)		SH-1996S	SH-2014 STD CustomPerformance:		SH-2014ST
SH-1997 STD DodTrk: 226(02-2005); Jeep: 226(02-2006)		SH-1997S	SH-2015 STD CustomPerformance:		SH-2015ST
SH-1998 STD DodTrk: 226(02-2005); Jeep: 226(02-2006)		SH-1997S	SH-2016 STD CustomPerformance:		SH-2015ST
SH-1999 STD GMCTrk.: 403Diesel(01-2005); Workhorse: 403Diesel(04-2005)		SH-1999S	SH-2017 STD CustomPerformance:		SH-2015ST
SH-2002 STD GMC: 134(02-2005); Sat: 134(03-2003); SaturnTruck: 134(02-2003)		SH-2002S	SH-2018 STD CustomPerformance:		SH-2015ST
SH-2006 STD GMCTrk.: 403Diesel(01-2005); Workhorse: 403Diesel(04-2005)		SH-1999S	SH-2019 STD CustomPerformance:		SH-2015ST
			SH-362-10 STD Cont: 120		SH-683S

NUMERICAL LISTING OF CLEVITE THRUST WASHER SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
TW-102S	STD Jag: 2483(1955-1967), 3442(1948-1961), 3781(1958-1964), 4235(1964-1967) Contents: (1)MB-3182W	TW-143S	STD Clark: 69, 91, 112; Cont: 69, 91, 112; GrayMar: 69, 91, 112; MasFer: 91; Oliver: 112 Contents: (1)MB-1653W	TW-326S	STD Toy: 1858(1969-71), 2189(1975-80), 2366(1981-1982); ToyInd: 1994(1978-1986); ToyTrk: 1858(1969-71), 1994(1978-82), 2189(1975-80), 2366(1981-1984) Contents: (1)MB-2746W(L) (1)MB-2746W(U)
TW-105S	STD Nis: 1189(1961-66), 1299(1965-1969); NisInd: 1138(1966-1978); NisTrk: 1299(1968-1969) Contents: (1)MB-1730WA (1)MB-1730WB	TW-218S	STD Ford: 122(1971-1974), 1593(1970-82), 1993(1970-76) Contents: (1)MB-409W(L) (1)MB-409W(U)	TW-327S	STD Hon: 1169(1973-73), 1237(1974-79), 1335(1980-83), 1342(1984-86), 1488(1975-87), 1493(1988-91), 1598(1983-90), 1599(1976-78), 1602(1982-83), 1751(1979-83), 1829(1983-87), 1955(1985-1986) Contents: (1)MB-2753W(U)
TW-113S	STD Ford: 98(1971-1973), 1098(1968-80), 1100(1971-73), 1298(1968-73), 1498(1963-67), 1599(1967-72); FordInd: 67(1973-82), 98(1973-1982) Contents: (1)MB-2058W	TW-224S	STD Toy: 1490(1964-1970); ToyInd: 1490(1964-1970) Contents: (1)MB-605W(L) (1)MB-605W(U)	TW-344S	STD Peug: 2304 Diesel(1981-1983), 2498 Diesel(1985-87) Contents: (1)MB-2781W(L) (1)MB-2781W(U)
TW-115S	STD MasFer: 107 Diesel; Perk: 99 Diesel, 107 Diesel, 108 Diesel Contents: (1)MB-2176W(L) (1)MB-2176W(U)	TW-225S	STD Toy: 1077(1968-69), 1166(1969-69), 1290(1981-1984) Contents: (1)MB-610W(L) (1)MB-610W(U)	TW-352S	STD Maz: 1272(1976-1977); MazTrk: 1272(1976-1977) Contents: (1)MB-2762W(L) (1)MB-2762W(U)
TW-119S	STD Alc: 152 Diesel; FordTrac: 152; ForsnTrac: 144 Diesel(1964-74), 152 Diesel(1964-1964); Jeep: 192 Diesel(1968-1968); MasFer: 152, 135 Diesel, 144 Diesel, 152 Diesel, 192 Diesel, 203 Diesel, 288 Diesel, 305 Diesel; MinMol: 152 Diesel; Perk: 152, 13 Contents: (1)MB-2188W(L) (1)MB-2188W(U)	TW-226S	STD Cat: 1964, 2946, 3928, 1964 Diesel, 2946 Diesel, 3928 Diesel Contents: (1)MB-2597W	TW-354S	STD Case: 251, 284, 301, 377, 251 Diesel, 267 Diesel, 301 Diesel, 336 Diesel, 377 Diesel, 401 Diesel, 451 Diesel Contents: (1)MB-2810W
TW-120S	STD Chry: 426(1963-1971); FordInd: 220 Diesel(1962-66), 330 Diesel(1962-1966); FordTrac: 242 Diesel(1965-69), 254 Diesel(1969-90), 363 Diesel(1965-90), 380 Diesel(1969-1990), 3759 Diesel(1965-69), 5638 Diesel(1965-90), 5974 Diesel(1965-90); FordTrk: 220 Diesel(195 Contents: (1)MB-1739W(L) (1)MB-1739W(U)	TW-228S	STD Toy: 1897(1965-70), 2253(1968-71), 2563(1971-72), 2759(1981-88), 2954(1987-1992); ToyInd: 1994(1967-1970); ToyTrk: 1897(1965-1970), 1994(1967-70) Contents: (1)MB-627W(L) (1)MB-627W(U)	TW-355S	STD Case: 251, 284, 301, 377, 251 Diesel, 267 Diesel, 301 Diesel, 336 Diesel, 377 Diesel, 401 Diesel, 451 Diesel Contents: (1)MB-2811W
TW-121S	STD DodTrk: 354 Diesel(1966-1970); MasFer: 212 Diesel, 236 Diesel, 248 Diesel, 301 Diesel, 354 Diesel; MinMol: 354 Diesel; Oliver: 354 Diesel; Perk: 236, 212 Diesel, 236 Diesel, 248 Diesel, 270 Diesel, 301 Diesel, 354 Diesel, 372 Diesel; WhiFarm: Contents: (1)MB-2222W(L) (1)MB-2222W(U)	TW-231S	STD FordTrk: 110(1972-78), 122(1979-1982); Maz: 1586(1970-1977), 1796(1972-73), 1970(1979-82); MazTrk: 1586(1972-76), 1796(1977-78), 1970(1979-1979) Contents: (1)MB-649W(L) (1)MB-649W(U)	TW-368S	STD GMC Trk.: 3856 Diesel(1987-1991); IsuTrk: 2775 Diesel(1985-90), 3268 Diesel(1981-84), 3595 Diesel(1985-90), 3856 Diesel(1985-98), 5393 Diesel(1977-1990), 5785 Diesel(1977-90), 6130 Diesel(1980-90) Contents: (1)MB-2851W(L) (1)MB-2851W(U)
TW-127S	STD Wauk: 1013, 1196 Contents: (1)MB-2178W	TW-241S	STD Saab: 1709(1969-71), 1854(1971-1972); Tri: 1998(1975-1981) Contents: (1)MB-689W	TW-369S	STD Cumm: 743, 855, 448 Diesel, 464 Diesel, 495 Diesel, 672 Diesel, 743 Diesel, 855 Diesel, 927 Diesel Contents: (1)MB-2862W
TW-130S	STD Alc: 152 Diesel; Chry: 426(1963-1971); FordTrac: 152; ForsnTrac: 144 Diesel(1964-74), 152 Diesel(1964-1964); Jeep: 192 Diesel(1968-1968); MasFer: 152, 144 Diesel, 152 Diesel, 192 Diesel, 203 Diesel, 288 Diesel, 305 Diesel; MinMol: 152 Diesel; Per Contents: (1)MB-2292W(L) (1)MB-2292W(U)	TW-249S	STD Deutz: 2826 Diesel, 3768 Diesel, 4710 Diesel, 5652 Diesel Contents: (1)MB-198W(U) (1)MB-744W(L)	TW-370S	STD Maz: 1272(1978-78), 1415(1979-80), 1490(1981-1985); MazTrk: 1272(1978-1978) Contents: (1)MB-2870W(L) (1)MB-2870W(U)
TW-131S	STD MilStd: 779, 817; Wauk: 501, 638, 779, 817 Contents: (1)MB-2297W	TW-252S	STD Cat: 425, 525, 638, 318 Diesel, 350 Diesel, 425 Diesel, 525 Diesel, 638 Diesel Contents: (1)MB-2580W	TW-373S	STD AMC: 1965(1987-1987); Ren: 105(1985-1986), 1965(1987-87) Contents: (1)MB-2946W
TW-134S	STD Alc: 779, 844 Diesel Contents: (1)MB-2314W	TW-275S	STD Maz: 988(1967-83), 1169(1971-1972); MazTrk: 1169(1968-1974) Contents: (1)MB-1044W(L) (1)MB-1044W(U)	TW-400S	STD ToyTrk: 2188 Diesel(1981-83), 2446 Diesel(1984-1985) Contents: (1)MB-2926W(L) (1)MB-2926W(U)
TW-142S	STD Ren: 956(1963-66), 1108(1964-1968) Contents: (1)MB-2349W	TW-304S	STD Alc: 426 Diesel Contents: (1)MB-2689W	TW-401S	STD GMC: 98(1985-1992), 108(1993-99); Toy: 1452(1980-1983), 1587(1983-89), 1762(1993-95); ToyTrk: 2694(1994-2001) Contents: (1)MB-2965W(L) (1)MB-2965W(U)
		TW-316S	STD DodTrk: 354 Diesel(1966-1970); MasFer: 212 Diesel, 236 Diesel, 248 Diesel, 318 Diesel, 354 Diesel; MinMol: 354 Diesel; Oliver: 354 Diesel; Perk: 236, 212 Diesel, 236 Diesel, 248 Diesel, 318 Diesel, 354 Diesel, 372 Diesel; StksMar: 354 Diesel; Contents: (1)MB-2636W(L) (1)MB-2636W(U)		
		TW-325S	STD Ford: 171(1974-1979), 2551(1974-76) Contents: (1)MB-2350W(L) (1)MB-2350W(U)		



NUMERICAL LISTING OF CLEVITE THRUST WASHER SETS

Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
TW-402S	STD Clark: 568 Diesel; DetD: 426 Diesel(1979-88), 552 Diesel(1979-86), 568 Diesel(1979-88), 736 Diesel(1979-88), 852 Diesel(1980-86), 1136 Diesel(1980-88), 1472 Diesel(1980-88); GMC Trk.: 552 Diesel(1980-1981); Kenw: 552 Diesel(1982-1986); MasFer: 568 Diesel; Contents: (1)MB-2523W	TW-453S	STD GMC: 92(1985-1988), 98(1990-90); Isu: 1471(1985-89), 1588(1989-1990); Passpt: 1588(1989-1990) Contents: (1)MB-3150W	TW-552S	STD Ford: 153(1993-1997); Maz: 2254(1995-2002), 2497(1993-97), 2954(1988-94); MazTrk: 2954(1989-1997) Contents: (1)MB-3347W
TW-409S	STD Cat: 425, 525, 638, 350 Diesel, 425 Diesel, 525 Diesel, 638 Diesel Contents: (1)MB-3057W	TW-455S	STD GMC: 61(1985-1985), 79(1992-99); Suz: 993(1985-1993), 1298(1989-92); SuzTrk: 993(1985-1985), 1298(1989-89), 1324(1986-89) Contents: (1)MB-3172W	TW-553S	STD Toy: 1456(1987-1988), 1497(1992-98) Contents: (1)MB-3348W
TW-411S	STD Alc: 142 Diesel, 213 Diesel, 284 Diesel, 426 Diesel; Buda: 344 Diesel, 516 Diesel; Deere: 426 Diesel; DetD: 142 Diesel, 213 Diesel, 284 Diesel, 318 Diesel, 424 Diesel, 426 Diesel; MasFer: 213 Diesel; MilStd: 318 Diesel, 426 Diesel; Oliver: Contents: (1)MB-2524W	TW-456S	STD Toy: 1839 Diesel(1984-1985), 1974 Diesel(1985-86) Contents: (1)MB-3193W(L) (1)MB-3193W(U)	TW-554S	STD Lex: 2507(1990-91), 2959(1992-1993); Toy: 1992(1987-95), 2496(1988-95), 2507(1988-91), 2959(1992-1993); ToyTrk: 2958(1988-1994), 3378(1995-98) Contents: (1)MB-3350W
TW-412S	STD Clark: 159 Diesel, 212 Diesel; Coshtt: 212 Diesel; DetD: 106 Diesel, 159 Diesel, 212 Diesel; FordTrk: 159 Diesel(1973-1973); GMC Trk.: 159 Diesel(1967-1968); MilStd: 159 Diesel; Oliver: 212 Diesel Contents: (1)MB-2522W	TW-457S	STD Cumm: 611 Diesel, 661 Diesel Contents: (1)MB-3078W	TW-555S	STD Toy: 1345(1967-1978); ToyInd: 1345(1967-78), 1493(1967-1978); ToyTrk: 1345(1967-1975), 1493(1972-78) Contents: (1)MB-3355W(L) (1)MB-3355W(U)
TW-422S	STD Mack: 672, 707, 605 Diesel, 672 Diesel, 707 Diesel; MilStd: 672 Diesel Contents: (1)MB-1373W	TW-458S	STD Chry: 181(1988-1994), 2497(1995-00); DodTrk: 181(1987-2000); Hyun: 2972(1989-1998); Mits: 2497(1995-1995), 2972(1988-88); MitsTrk: 2972(1989-1996) Contents: (1)MB-3108W(L) (1)MB-3108W(U)	TW-582S	STD Mack: 728 Diesel Contents: (1)MB-3412W(L) (1)MB-3412W(U)
TW-424S	STD Case: 106, 124, 126, 140; Clark: 162, 209; Cont: 120, 124, 129, 140, 162, 170, 184, 186, 199, 202, 206, 209, 214, 218; Coshtt: 140; GrayMar: 140, 162; MasFer: 120, 124, 129, 140, 162; Oliver: 140, 162, 202, 209 Contents: (1)MB-1403W	TW-460S	STD Daih: 547(1976-86), 617(1982-85), 843(1982-90), 993(1977-1990) Contents: (1)MB-3144W	TW-583S	STD Cat: 893 Diesel, 1099 Diesel, 1649 Diesel Contents: (1)MB-3448W
TW-446S	STD Onan: 50 Contents: (1)MB-2528W	TW-462S	STD ToyTrk: 3956(1988-92), 4230(1984-1987) Contents: (1)MB-3195W(L) (1)MB-3195W(U)	TW-584S	STD Komatsu: 12840 Diesel(1971-1994), 19260 Diesel(1971-79) Contents: (1)MB-3449W
TW-448S	STD Alc: 555 Diesel; Cumm: 352 Diesel, 378 Diesel, 470 Diesel, 504 Diesel, 555 Diesel; FordTrac: 555 Diesel Contents: (1)MB-2598W	TW-463S	STD Toy: 2366(1984-1985); ToyTrk: 2366(1984-1988) Contents: (1)MB-2925W(L) (1)MB-2925W(U)	TW-587S	STD Acura: 2156(1997-1997); Hon: 2156(1990-1991), 2157(1993-97), 2259(1992-96); HonTrk: 2156(1995-1997) Contents: (1)MB-3474W
TW-449S	STD Cumm: 903 Diesel; FordTrac: 903 Diesel; MasFer: 903 Diesel Contents: (1)MB-2621W	TW-470S	STD GMC Trk.: 137 Diesel(1984-1985), 2238 Diesel(1981-82); IsuInd: 119 Diesel(1981-1984); IsuTrk: 2238 Diesel(1981-87), 2499 Diesel(1985-1990) Contents: (1)MB-3160W	TW-588S	STD Lex: 3969(1990-1998); LexTrk: 4663(1998-2004) Contents: (1)MB-3476W(L) (1)MB-3476W(U)
TW-450S	STD Case: 336 Diesel, 504 Diesel Contents: (1)MB-2804W	TW-471S	STD Suz: 797(1977-1990), 970(1982-90); SuzTrk: 970(1982-1985) Contents: (1)MB-3132W	TW-589S	STD Lex: 2997(1992-1998); Toy: 2997(1993-1998) Contents: (1)MB-3477W(L) (1)MB-3477W(U)
TW-451S	STD GMC: 111 Diesel(1981-1986); GMC Trk.: 119(1982-1985), 1817(1972-82); HonTrk: 2559(1994-1996); Isu: 1817(1981-84), 1949(1983-87), 1994(1985-89), 2254(1987-1989), 1817 Diesel(1981-84); IsuTrk: 1817(1981-82), 1949(1983-85), 2254(1986-87), 2559(1988-1991); Opel: 1817(1976) Contents: (1)MB-3061W	TW-472S	STD Ford: 81(1988-97), 98(1987-1994), 112(1991-96); Kia: 1597(1994-1995), 1839(1995-97); Maz: 1489(1995-98), 1597(1986-93), 1839(1990-1990) Contents: (1)MB-3173W	TW-590S	STD Inf: 1998(1991-1996); Nis: 1998(1991-1993) Contents: (1)MB-3478W
		TW-473S	STD Acura: 1590(1986-00), 1678(1992-93), 1797(1994-1998), 1834(1990-01); Hon: 1590(1988-88), 1595(1994-00), 1958(1988-1991), 2056(1990-91), 2157(1998-01); HonTrk: 1972(1997-1998) Contents: (1)MB-3176W	TW-591S	STD UD Truck: 6925 Diesel(1980-1994) Contents: (1)MB-3480W
		TW-478S	STD GMC Trk.: 97(1989-2002); Suz: 1590(1995-1998); SuzTrk: 1590(1989-1998) Contents: (1)MB-3209W	TW-592S	STD Toy: 1588(1971-74), 1770(1980-82), 1995(1983-86), 1998(1986-95), 2164(1990-1995); ToyTrk: 1998(1984-85), 2237(1986-1990) Contents: (1)MB-3201W(L) (1)MB-3201W(U)
		TW-551S	STD Nis: 1597(1989-1995) Contents: (1)MB-3343W	TW-595S	STD Asuna: 110(1992-1993); GMC: 98(1990-1990), 110(1992-1993); Isu: 1588(1990-1991), 1809(1992-1992); Passpt: 1588(1991-1991), 1809(1992-1993) Contents: (1)MB-3481W
				TW-596S	STD Ford: 122(1993-1996); Maz: 1991(1993-1997) Contents: (1)MB-3544W



NUMERICAL LISTING OF CLEVITE THRUST WASHER SETS					
Set No.	Undersizes	Set No.	Undersizes	Set No.	Undersizes
TW-597S	STD Inf: 4130(1997-98), 4494(1990-1995)	TW-607S	STD Ford: 207(1996-1999)	TW-615S	STD AcuraTrk: 3165(1996-1997); HonTrk: 3165(1994-1997); IsuTrk: 3165(1992-1997), 3494(1998-02)
Contents:	(1)MB-3549W(L) (1)MB-3549W(U)	Contents:	(1)MB-3769W	Contents:	(1)MB-3807W
TW-598S	STD LexTrk: 4476(1996-1997); ToyTrk: 4476(1993-1997)	TW-608S	STD DodTrk: 226(1902-05), 287(1900-2003); Jeep: 226(1902-05), 287(1999-2003)	TW-616S	STD Maz: 1844(1992-1994)
Contents:	(1)MB-3551W(L) (1)MB-3551W(U)	Contents:	(1)MB-3771W	Contents:	(1)MB-3810W
TW-599S	STD Daih: 1295(1989-92), 1296(1989-1993); DaihTrk: 1589(1989-1995)	TW-609S	STD ToyInd: 2771	TW-617S	STD Mits: 3497(1997-2002); MitsTrk: 3497(1994-1997)
Contents:	(1)MB-3554W	Contents:	(1)MB-3777W(L) (1)MB-3777W(U)	Contents:	(1)MB-3812W
TW-600S	STD DetD: 677, 677 Diesel, 778 Diesel	TW-610S	STD GMC Trk.: 403 Diesel(1901-2004); Workhorse: 403 Diesel(1904-2004)	TW-618S	STD Lex: 2995(1994-2002); LexTrk: 2995(1999-2002); Toy: 2995(1994-1996); ToyTrk: 2995(1998-2002)
Contents:	(1)MB-3562W	Contents:	(1)MB-3776W	Contents:	(1)MB-3816W
TW-602S	STD Komatsu: 674 Diesel	TW-611S	STD Chry: 345(1905-2005), 370(1906-07); DodTrk: 345(1903-2004); Jeep: 345(1905-2005), 370(1906-2007)	TW-619S	STD Scion: 2362(1905-2005); Toy: 2362(1902-2005); ToyTrk: 2362(1901-2005)
Contents:	(1)MB-3748W	Contents:	(1)MB-3780W	Contents:	(1)MB-3821W
TW-604S	STD ToyTrk: 2438(1995-2001), 2694(1996-2001)	TW-612S	STD Audi: 1781(1997-2000); VW: 1781(1998-2000), 1896 Diesel(1993-2002)	TW-620S	STD Chrysler: 164(1903-2006); Freightliner: 164(1902-2006);
Contents:	(1)MB-3762W	Contents:	(1)MB-3794WL (1)MB-3794WU	Contents:	(4)MB-3826W
TW-605S	STD Chry: 112(1992-1994); Eagle: 112(1992-1993); Mits: 1834(1993-1994); MitsTrk: 1834(1992-1994)	TW-613S	STD Audi: 2771(1998-1999); VW: 2771(1998-1999)	TW-677S	STD Mits: 1997(1989-1999); 2351: (1993-1999);
Contents:	(1)MB-3763W	Contents:	(1)MB-3796WL (1)MB-3796WU	Contents:	(2)MB-3854W
TW-606S	STD Chry: 167(1998-2003), 197(1998-2001), 215(1999-2004); DodTrk: 215(1904-2006)	TW-614S	STD VW: 2792(1992-1994)		
Contents:	(1)MB-3768W	Contents:	(1)MB-3798WL (1)MB-3798WU		



NUMERICAL LISTING OF CLEVITE PIN BUSHINGS

Part No.	Application	Part No.	Application	Part No.	Application
223-3349	Case: 140; Chry: 218(1934-1954), 230(1946-1957), 237(1942-1950), 251(1946-1952), 265(1951-1954), 324(1939-1950); ChryInd: 218(1942-1954), 230(1942-1960), 237(1942-1954), 251(1942-1960), 265(1942-1960), 324(1942-1960); ChryMar: 201, 218, 230	223-3496	Cumm: 743, 495 Diesel, 672 Diesel, 743 Diesel, 1485 Diesel	223-3544	Mack: 672, 672 Diesel
223-3361	IntInd: 152, 164; IntTrac: 152, 164	223-3501	ChrisCft: 427; DearbMar: 390(1961-1971), 427(1964-1966); Ford: 352(1958-1966), 361(1958-1959), 390(1961-1971), 406(1962-1963), 410(1966-1967), 427(1963-1967), 428(1966-1970); FordInd: 330(1964-1978), 332(1958-1959), 361(1964-1978), 391(1964)	223-3545	Cumm: 743, 855, 588 Diesel, 743 Diesel, 785 Diesel, 855 Diesel; IntTrac: 743 Diesel
223-3417	GMC: 216(1937-1952), 235(1950-1953); GMC Trk.: 216(1937-1953), 235(1950-1953)	223-3502	NavInt: 401(1956-1975), 461(1956-1964), 478(1965-1977), 549(1956-1978); PalMar: 401(1956-1975), 461(1956-1964), 549(1956-1972)	223-3546	DearbMar: 312(1956-1960); Ford: 144(1960-1964), 215(1952-1953), 223(1954-1960), 239(1954-1954), 256(1954-1954), 272(1955-1957), 292(1955-1960), 312(1956-1960); FordInd: 134(1953-1976), 172(1955-1978), 192(1972-1981), 215(1952-1953), 223(195)
223-3429	Case: 124, 126, 140, 148; ChryInd: 218(1942-1954), 230(1942-1960), 237(1942-1960), 251(1942-1960), 265(1942-1960), 324(1942-1960); ChryMar: 201, 218, 230; Clark: 162, 218(1942-1954), 226; Cont: 120, 124, 129, 134, 135, 140, 162, 163, 170, 1	223-3503	Clark: 69, 91, 112; Cont: 69, 91, 112; GrayMar: 69, 91, 112; MasFer: 91; Oliver: 112	223-3547	Audi: 1471(1973-1974), 1588(1975-1980); VW: 1471(1974-1975), 1588(1976-1980), 1471 Diesel(1977-1980); VWTrk: 1588(1980-1980), 1471 Diesel(1980-1980)
223-3443	IntInd: 248, 248 Diesel, 264 Diesel, 281 Diesel; IntTrac: 248, 248 Diesel, 264 Diesel, 281 Diesel	223-3504	DearbMar: 390(1961-1963); Ford: 390(1961-1968), 427(1963-1967); FordInd: 401(1958-1976), 477(1958-1981), 534(1958-1981); FordMar: 534(1958-1981); FordTrk: 401(1958-1975), 475(1973-1979), 477(1958-1981), 534(1958-1981); Seamstr: 534	223-3548	Alc: 142 Diesel, 213 Diesel, 284 Diesel, 426 Diesel; Deere: 426 Diesel; DetD: 142 Diesel(1979-1988), 213 Diesel(1979-1988), 284 Diesel(1979-1988), 426 Diesel(1980-1988), 552 Diesel(1979-1988), 568 Diesel(1979-1988), 736 Diesel(1979-1988), 8
223-3451	DearbMar: 239(1954-1954), 256(1954-1954), 272(1955-1957), 292(1955-1955); Ford: 221(1937-1942), 239(1939-1953), 255(1949-1953); FordMar: 239, 256, 272; FordTrac: 120; FordTrk: 239(1948-1950); IntcptMar: 256(1954-1954); MilStd: 239	223-3505	Cont: 50, 56, 62; MasFer: 62	223-3549	GMC Trk.: 1817(1972-1975)
223-3458	FordTrk: 226(1947-1951)	223-3507	Alc: 153, 182, 230, 262, 273, 153 Diesel, 175 Diesel, 230 Diesel, 262 Diesel, 273 Diesel; Buda: 153, 182, 230, 262, 273, 153 Diesel, 230 Diesel, 262 Diesel, 273 Diesel; Coshtt: 230	223-3550	VW: 1679(1971-1973), 1795(1974-1974); VWTrk: 1679(1972-1974), 1795(1974-1975), 1970(1976-1979)
223-3461	IntInd: 372, 406, 450, 501; NavInt: 318(1944-1947), 361(1944-1949), 372(1949-1968), 401(1941-1949), 406(1949-1977), 450(1944-1974), 501(1953-1974)	223-3512	GMC Trk.: 305(1960-1974), 351(1960-1972), 379(1973-1974), 401(1960-1972), 432(1973-1974), 478(1964-1974), 702(1960-1965), 351 Diesel(1964-1967), 478 Diesel(1964-1974)	223-3551	VW: 1192(1954-1965); VWTrk: 1192(1954-1960)
223-3462	Alc: 142 Diesel, 213 Diesel, 284 Diesel, 426 Diesel; Clark: 568 Diesel; Deere: 426 Diesel; DetD: 142 Diesel, 213 Diesel, 284 Diesel, 426 Diesel, 568 Diesel, 852 Diesel, 1136 Diesel; MasFer: 213 Diesel, 568 Diesel; Oliver: 213 Diesel	223-3514	Coshtt: 194, 265, 194 Diesel, 265 Diesel; Oliver: 129, 144, 155, 194, 216, 231, 265, 302, 129 Diesel, 144 Diesel, 155 Diesel, 194 Diesel, 216 Diesel, 231 Diesel, 265 Diesel, 302 Diesel; Wauk: 125, 129, 144, 155, 194, 216, 232, 265, 302, 320	223-3552	VW: 1285(1966-1966), 1493(1967-1969), 1584(1966-1978); VWTrk: 1584(1968-1978)
223-3466	IntInd: 60; IntTrac: 60; PalMar: 60	223-3515	Ford: 223(1961-1964), 292(1961-1962), 332(1958-1959); FordInd: 223(1961-1964), 262(1961-1964), 292(1961-1964), 332(1961-1963); FordMar: 292(1961-1962); FordTrk: 223(1961-1964), 262(1961-1964), 292(1961-1964), 302(1961-1963), 332(1961-1963)	223-3554	IsuInd: 1991 Diesel; ThermKing: 1991 Diesel
223-3469	IntInd: 169, 175(1956-1962), 220(1956-1962), 240(1956-1962), 263, 264(1956-1962), 282 Diesel, 301 Diesel; IntTrac: 169(1956-1962), 175(1957-1960), 200(1957-1962), 220(1957-1962), 221(1956-1962), 240(1956-1962), 263(1957-1962), 264(1957-1960)	223-3516	Cont: 201, 208, 223, 242, 243, 208 Diesel, 242 Diesel; MasFer: 201, 208, 223, 242, 208 Diesel	223-3555	Checker: 350 Diesel(1980-1980); GMC: 260 Diesel(1979-1985), 350 Diesel(1978-1985); GMC Trk.: 260 Diesel(1982-1983), 350 Diesel(1978-1984)
223-3471	Alc: 108; Case: 108; Coshtt: 108; MasFer: 54, 108; Oliver: 108; Wisc: 23, 46, 54, 92, 108	223-3517	Cont: 227, 243, 260, 277, 243 Diesel, 260 Diesel, 277 Diesel; MasFer: 260, 277, 260 Diesel, 277 Diesel	223-3556	Alc: 200, 265, 301, 200 Diesel, 301 Diesel
223-3474	Chry: 230(1958-1959), 270(1955-1956); ChryInd: 241, 259; DodTrk: 230(1958-1960), 241(1954-1954), 251(1958-1968), 259(1955-1956), 265(1960-1960), 270(1955-1956)	223-3520	Deere: 115, 135, 145, 165, 180, 202, 217, 145 Diesel, 155 Diesel, 165 Diesel, 202 Diesel	223-3557	Alc: 426 Diesel
223-3477	IntInd: 113, 123; IntTrac: 113, 123	223-3521	Deere: 201, 227, 301, 341	223-3561	Deere: 303, 329, 152 Diesel, 164 Diesel, 202 Diesel, 219 Diesel, 270 Diesel, 303 Diesel, 329 Diesel, 359 Diesel
223-3484	Chry: 170(1960-1969), 198(1970-1974), 225(1960-1983), 273(1964-1969), 277(1956-1957), 301(1956-1957), 303(1956-1956), 318(1957-1989), 326(1959-1959), 340(1968-1973); ChryInd: 225(1961-1987), 318(1961-1987); ChryMar: 170, 198, 225, 273, 318	223-3522	Deere: 248, 362, 254 Diesel, 270 Diesel, 381 Diesel, 404 Diesel, 531 Diesel	223-3563	Cumm: 903 Diesel; FordTrac: 903 Diesel; MasFer: 903 Diesel
223-3488	Mack: 672, 672 Diesel; MilStd: 779, 817; Wauk: 501, 638, 779, 817	223-3528	Case: 251, 284, 301, 377, 251 Diesel, 267 Diesel, 301 Diesel, 377 Diesel, 401 Diesel, 451 Diesel	223-3564	Cumm: 352 Diesel, 378 Diesel, 470 Diesel, 504 Diesel
223-3489	Deere: 190, 321	223-3530	Case: 188 Diesel	223-3565	Alc: 555 Diesel; Cumm: 555 Diesel; FordTrac: 555 Diesel
		223-3531	Case: 159, 164, 188	223-3566	IntInd: 282 Diesel, 301 Diesel; IntTrac: 282, 291, 166 Diesel, 188 Diesel, 236 Diesel, 282 Diesel, 301 Diesel; NavInt: 301 Diesel(1960-1978)
				223-3568	Cat: 893, 893 Diesel, 1191 Diesel, 1786 Diesel, 2382 Diesel
				223-3569	Cat: 636 Diesel; MasFer: 636 Diesel
				223-3570	Cat: 1473, 1964, 2946, 3928, 1473 Diesel, 1964 Diesel, 2946 Diesel, 3928 Diesel
				223-3571	Cat: 350 Diesel, 525 Diesel
				223-3572	Cat: 425, 525, 638, 350 Diesel, 425 Diesel, 525 Diesel, 638 Diesel



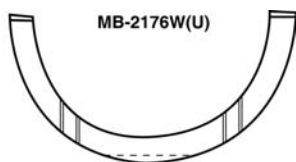
NUMERICAL LISTING OF CLEVITE PIN BUSHINGS

Part No.	Application	Part No.	Application	Part No.	Application
223-3574	Cat: 425, 525, 638, 350 Diesel, 425 Diesel, 525 Diesel, 638 Diesel	223-3606	GMC: 371(1957-1960), 394(1959-1964)	223-3631	Wauk: 2894, 3520, 5788, 7042, 9388, 2894 Diesel, 5788 Diesel
223-3575	Case: 336 Diesel, 504 Diesel	223-3607	Chry: 170(1960-1969), 198(1970-1974), 225(1960-1983), 273(1964-1969), 277(1956-1957), 301(1956-1957), 303(1956-1956), 318(1957-1973), 326(1959-1959), 340(1968-1973); ChryInd: 225(1961-1987), 318(1961-1987); ChryMar: 170, 198, 225, 273, 318	223-3632	Deere: 466 Diesel; Wauk: 1905, 1905 Diesel
223-3576	GMC Trk.: 379 Diesel(1982-1993), 395 Diesel(1992-2002); Hummer: 379 Diesel(1992-1993), 395 Diesel(1994-2002); Workhorse: 395 Diesel(2000-2002)	223-3608	FordInd: 134(1953-1976), 172(1955-1978), 192(1972-1981); FordTrac: 134(1953-1965), 172(1955-1965)	223-3633	Deere: 466 Diesel
223-3577	Cat: 893 Diesel, 1099 Diesel, 1649 Diesel	223-3609	Ford: 223(1961-1964), 332(1958-1959); FordInd: 262(1961-1964), 332(1956-1960); FordTrk: 262(1961-1964), 302(1956-1963), 332(1956-1960)	223-3634	DetD: 212 Diesel, 318 Diesel, 424 Diesel
223-3578	Cat: 425, 525, 638, 350 Diesel, 425 Diesel, 525 Diesel, 638 Diesel	223-3610	ToyInd: 1994(1967-1986); ToyTrk: 1994(1967-1982)	223-3636	FordTrac: 158(1975-1980), 175(1975-1980), 192(1965-1980), 201(1975-1980), 158 Diesel(1975-1980), 175 Diesel(1975-1980), 183 Diesel(1975-1980), 192 Diesel(1975-1980), 201 Diesel(1975-1980), 401 Diesel(1975-1980)
223-3579	DetD: 500 Diesel	223-3611	Toy: 2253(1968-1972), 2563(1971-1980), 2759(1981-1988), 2954(1987-1992)	223-3637	IsuInd: 144 Diesel(1969-1985)
223-3580	Cat: 1246, 831 Diesel, 1246 Diesel, 1662 Diesel, 2493 Diesel	223-3612	Toy: 2189(1975-1980), 2366(1981-1985); ToyTrk: 2189(1975-1980), 2366(1984-1995)	223-3640	Alc: 248 Diesel; DodTrk: 354 Diesel(1966-1970); MasFer: 248 Diesel(1967-1981), 354 Diesel(1967-1981); MinMol: 354 Diesel; Oliver: 354 Diesel; Perk: 248 Diesel, 354 Diesel, 372 Diesel; WhiFarm: 354 Diesel
223-3581	FordTrk: 110(1972-1978), 122(1979-1982); Maz: 1490(1981-1982), 1586(1972-1977), 1796(1972-1973), 1970(1979-1982); MazInd: 1985(1971-1979); MazTrk: 1586(1972-1976), 1796(1977-1978), 1970(1979-1982)	223-3615	IsuTrk: 3268 Diesel(1981-1984), 3595 Diesel(1973-1990), 3856 Diesel(1985-1999), 5393 Diesel(1972-1990), 5785 Diesel(1977-1990), 6130 Diesel(1980-1990)	223-3642	Case: 505 Diesel; Cummm: 505 Diesel
223-3583	FordTrk: 420 Diesel(1983-1987), 444 Diesel(1988-1994); NavInt: 420 Diesel(1980-1988), 444 Diesel(1988-1995)	223-3618	Chry: 215(1993-1997); Eagle: 215(1993-1997)	223-3643	Cat: 425, 525, 638, 350 Diesel, 425 Diesel, 525 Diesel, 638 Diesel
223-3584	NavInt: 404(1975-1982), 446(1975-1981); PalMar: 404(1975-1982)	223-3619	BMW: 2494(1987-1995), 2693(1982-1988)	223-3644	Case: 124, 126, 180 Diesel, 239 Diesel, 359 Diesel; Cummm: 359 Diesel; DodTrk: 359 Diesel(1989-1998)
223-3585	Cat: 893, 893 Diesel, 1099 Diesel, 1649 Diesel	223-3620	Ford: 281(91-2004); FordTrk: 281(1997-2004), 330(1997-2003), 415(1997-2004)	223-3645	Ford: 232(1989-1995)
223-3586	Cat: 893, 893 Diesel, 1099 Diesel, 1191 Diesel, 1649 Diesel, 1786 Diesel, 2382 Diesel	223-3621	Cont: 120, 129, 134, 145; MasFer: 120, 129, 134, 145	223-3646	GMC: 231(1995-2003)
223-3587	Alc: 844 Diesel	223-3622	Clark: 159 Diesel, 212 Diesel; Coshtt: 212 Diesel; DetD: 106 Diesel, 159 Diesel, 212 Diesel, 318 Diesel, 424 Diesel; FordTrk: 159 Diesel(1973-1976); GMC Trk.: 159 Diesel(1967-1968); MiiStd: 159 Diesel, 318 Diesel; Oliver: 212 Diesel	223-3647	GMC: 231(1995-2004)
223-3590	Deere: 404 Diesel	223-3623	Wauk: 1013, 1196	223-3648	GMC: 138(1988-1991), 244(1995-1999), 281(1993-1999)
223-3591	Deere: 113, 100.5	223-3624	IntInd: 263, 236 Diesel, 282 Diesel, 301 Diesel; IntTrac: 221, 263, 282, 291, 301, 236 Diesel, 282 Diesel, 301 Diesel	223-3649	Sat: 116(1991-2002)
223-3593	Cumm: 495 Diesel, 743 Diesel, 855 Diesel	223-3625	IntInd: 361 Diesel, 407 Diesel; IntTrac: 407, 361 Diesel	223-3651	Ford: 155(1995-2002), 181(1996-2005), 207(1996-1999); FordTrk: 181(2001-2003); MazTrk: 181(2001-2003)
223-3594	Alc: 152 Diesel; FordTrac: 152; ForsnTrac: 144 Diesel(1964-1974), 152 Diesel(1964-1964); MasFer: 152, 135 Diesel, 144 Diesel, 152 Diesel, 192 Diesel, 203 Diesel, 288 Diesel, 305 Diesel; MinMol: 152 Diesel; Perk: 152, 135 Diesel, 144 Diesel	223-3626	IntInd: 361 Diesel, 407 Diesel; IntTrac: 407, 407 Diesel	223-3652	FordTrk: 444 Diesel(1994-2003); MercMar: 444 Diesel; NavInt: 444 Diesel(1994-1999)
223-3595	IntInd: 414 Diesel, 466 Diesel; IntTrac: 414 Diesel, 436 Diesel, 466 Diesel; NavInt: 466 Diesel(1975-1993)	223-3627	IntInd: 312 Diesel, 360 Diesel; IntTrac: 312 Diesel, 360 Diesel; NavInt: 360 Diesel(1987-1995)	223-3653	Toy: 1998(1987-1991), 2164(1990-1998)
223-3596	Deere: 164 Diesel, 219 Diesel, 303 Diesel, 329 Diesel, 359 Diesel	223-3628	Cat: 636 Diesel; MasFer: 636 Diesel	223-3654	Chry: 167(1998-2005)
223-3597	GMC: 307(1980-1990)	223-3629	SupDie: 3575 Diesel, 4767 Diesel, 4948 Diesel, 6597 Diesel, 9896 Diesel, 13195 Diesel	223-3658	ThermKing: 2207 Diesel(1969-1979)
223-3598	DearbMar: 390(1961-1971); Ford: 352(1958-1967), 361(1958-1959), 410(1966-1967), 428(1966-1970); FordInd: 330(1964-1978), 361(1964-1978), 391(1964-1978), 428(1964-1978); FordTrk: 330(1964-1978), 352(1965-1967), 359(1974-1975), 360(1968-1976)	223-3630	IntInd: 817 Diesel; IntTrac: 817 Diesel	223-3661	ToyInd: 2771
223-3605	Chry: 218(1934-1954), 230(1946-1959), 237(1942-1950), 251(1942-1954), 265(1951-1954); ChryInd: 218(1942-1954); ChryMar: 251, 265; Cont: 124, 140, 162, 163, 170, 184, 186, 198, 199, 202, 206, 209, 214, 218, 226, 227, 242, 245; DodTrk: 218(19			223-3662	GMC: 212(1999-2002), 244(2001-2003), 281(2000-2003)
				223-3663	GMC: 365(2002-2004); GMC Trk.: 365(2002-2004); Hummer: 365(2002-2004); IsuTrk: 365(2004-2007); Workhorse: 365(2004-2005)
				223-3664	GMC Trk.: 169(2004-2006), 211(2004-2006), 254(2002-2007); Hummer: 211(2006-2006); IsuTrk: 169(2006-2006), 211(2006-2006), 254(03-2007); Saab Truck: 254(05-2006)
				223-3665	Dod Trk.: 164 Diesel (2003-2006) Freightliner: 164 Diesel (2003-2006)

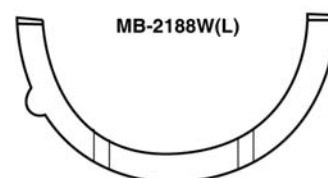


PERKINS THRUST WASHER SETS**TW-115S**

Qty: 2 MB-2176W(U), 1 MB-2176W(L)

**TW-119S**

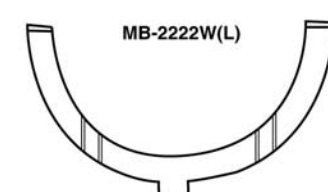
Qty: 2 each

**TW-130S**

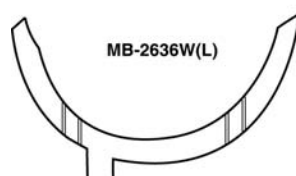
Qty: 2 each

**TW-121S**

Qty: 2 each

**TW-316S**

Qty: 2 each



CONNECTING ROD BEARINGS FOR WAUKESHA VHP SERIES ENGINES

Several different connecting rod series have been used in the Waukesha VHP series engines. A total of four different bearing halves are required to service six different rod series.

ROD SERIES 205007

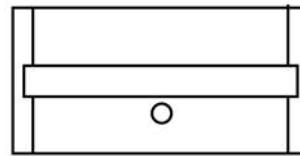
	Clevite 77 Part	Waukesha Part
Upper shell	CB-973P(U)	205110P
Lower shell	CB-973P(L)	205010K
Pair	NONE**	A205010K



CB-973P(U) (205110P) □
Two oil holes 20° from split.

ROD SERIES 205407C, D, H, J

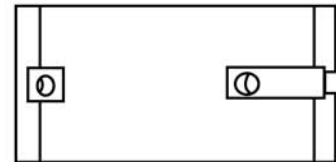
	Clevite 77 Part	Waukesha Part
Upper shell	CB-1396P(U)	205110N
Lower shell	CB-973P(L)	205010K
Pair	NONE**	C205010K



CB-973P(L) (205010K) □
For rods with dowel pin in cap.

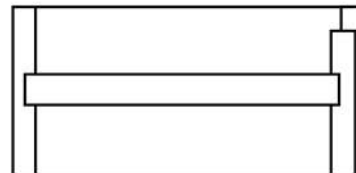
ROD SERIES 205507

	Clevite 77 Part	Waukesha Part
Upper shell	CB-1396P(U)	205110N
Lower shell	CB-1397(L)	205010L
Pair	NONE**	A205010L



CB-1396P(U) (205110N) □
One oil hole 15° and one oil hole □
60° from split locating lug at center.

***Sold as individual pieces only.*



CB-1397P(L) (205010L) □
For rods with locating notch (No dowel pin.)



MAIN BEARINGS FOR WAUKESHA VHP SERIES ENGINES

Waukesha VHP series engines have been built using two different crankshaft oil hole drilling configurations. The earlier version of these is referred to as "angle-drilled". The angle-drilled cranks require full annular grooving in the main bearings to provide a continuous supply of pressurized oil to the connecting rods.

ANGLE-DRILLED CRANKSHAFTS

	<u>Clevite 77 Part</u>	<u>Waukesha Part</u>
FRONT, CENTER, AND REAR POSITIONS (4.130" max. length)		
Upper and lower shell	MB-2608P(U)	200022S
6 pieces required for 6 and 12 cylinder engines		
4 pieces required for 16 cylinder engines		
INTERMEDIATE POSITIONS (3.005" max. length)		
Upper and lower shell	MB-2609P(U)	200025S
8 pieces required for 6 and 12 cylinder engines		
16 pieces required for 16 cylinder engines		

The later version shafts are termed "tee-drilled". These later tee-drilled shafts use a grooved upper shell and a partially grooved lower. The drilling of the crankshaft oilways permits continuous oiling of the connecting rods from the approximately 240 degrees of grooving that results.

TEE-DRILLED CRANKSHAFTS

	<u>Clevite 77 Part</u>	<u>Waukesha Part</u>
FRONT, CENTER, AND REAR POSITIONS (4.130" max. length)		
Upper shell	MB-2608P(U)	200022T
Lower shell	MB-3100P(L)	200022U
3 pieces of each required for 12 cylinder engines		
2 pieces of each required for 16 cylinder engines		
INTERMEDIATE POSITIONS (3.005" max. length)		
Upper shell	MB-3101P(U)	200025T
Lower shell	MB-3102P(L)	200025U
4 pieces of each required for 12 cylinder engines		
8 pieces of each required for 16 cylinder engines		

NOTE: Installing a tee-drilled crankshaft in an engine originally equipped with an angle-drilled crankshaft requires that either the oil passage in the #1 main bearing cap be relocated per OEM procedures, or that MB-3099P(U) be installed in place of MB-3100P(L) in the lower position of the #1 main bearing.



CONNECTING ROD FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
0CB	3.307in./84mm	Ford	507	3.189in./81mm	MG
1BA	3.750in./95.3mm	Ford	511	2.625in./66.7mm	Ford
2AW	3.625in./92.1mm	Cadillac	511	2.701in./68.6mm	Ford
2B	3.625in./92.1mm	Cadillac	561	3.850in./97.8mm	Buick
3B	3.625in./92.1mm	Cadillac	673	3.400in./86.4mm	Buick
4F-2884	5.500in./139.7mm	Caterpillar	699	3.313in./84.2mm	Chrysler
4F-2884	6.000in./152.4mm	Caterpillar	699	3.313in./84.2mm	Dodge
4N-389	6.000in./152.4mm	Caterpillar	707	3.000in./76.2mm	American Motors
6BC	3.625in./92.1mm	Cadillac	707	3.250in./82.6mm	Studebaker
7-68	4.000in./101.6mm	Roiline	707	3.281in./83.34mm	American Motors
7-68	4.500in./114.3mm	Roiline	707	3.438in./87.3mm	American Motors
7B-6225	8.000in./203.2mm	Caterpillar	707	3.438in./87.33mm	American Motors
7H	3.625in./92.1mm	Cadillac	707	3.500in./88.9mm	American Motors
8BA	3.750in./95.3mm	Ford	707	3.906in./99.2mm	American Motors
8BA-6200B	3.750in./95.3mm	Ford	763	3.400in./86.4mm	Buick
8CM-6200B	3.750in./95.3mm	Ford	779	3.400in./86.4mm	Buick
8N-3753	5.000in./127mm	Caterpillar	782	3.313in./84.2mm	Chrysler
9N	3.750in./95.3mm	Ford	782	3.313in./84.2mm	Dodge
9N	3.750in./95.3mm	Ford Tractor	875	3.307in./84mm	Cadillac
9N-6200	3.750in./95.3mm	Ford	942	3.850in./97.8mm	Buick
9N-6200	3.750in./95.3mm	Ford Tractor	0997	3.385in./86mm	Oldsmobile
9T	3.625in./92.1mm	Cadillac	0997	3.531in./89.7mm	Chevrolet
10A-5090	5.000in./127mm	Minneapolis Moline	1172-A3	4.125in./104.8mm	Reo
11H	3.625in./92.1mm	Cadillac	1491	3.938in./100mm	Chevrolet
14AL	3.625in./92.1mm	Cadillac	1609-A3	4.125in./104.8mm	Reo
15-12	5.000in./127mm	Case	1609-A3	4.250in./108mm	Reo
21A-6200	3.000in./76.2mm	Ford	1609-A3	4.703in./119.5mm	Reo
25AB	3.625in./92.1mm	Cadillac	1609-A3	in./mm	Reo
25AD	3.625in./92.1mm	Cadillac	1820YA	4.125in./104.8mm	International
27AD	3.625in./92.1mm	Cadillac	1820YA	4.500in./114.3mm	International
29A-6200	3.750in./95.3mm	Ford	2457-1	6.000in./152.4mm	Cummins
31	3.386in./86mm	Mitsubishi	2457-2	6.000in./152.4mm	Cummins
32AH	3.625in./92.1mm	Cadillac	3217	3.400in./86.4mm	Buick
32AL	3.625in./92.1mm	Cadillac	3596	3.504in./89mm	Austin
35AL	3.625in./92.1mm	Cadillac	3596	3.504in./89mm	MG
39AM	3.625in./92.1mm	Cadillac	3597	3.504in./89mm	Austin
43CE	3.625in./92.1mm	Cadillac	3597	3.504in./89mm	MG
49AT	3.625in./92.1mm	Cadillac	4472	4.250in./108mm	American Motors
63	3.307in./84mm	Cadillac	5487	3.640in./92.5mm	Buick
72G	2.992in./76mm	Mitsubishi	5854	3.680in./93.5mm	American Motors
72W	2.992in./76mm	Mitsubishi	6410	3.938in./100mm	Chevrolet
91A-6200	3.000in./76.2mm	Ford	6538	3.400in./86.4mm	Buick
099	3.622in./92mm	Cadillac	7047	3.680in./93.5mm	American Motors
99A-6200	3.750in./95.3mm	Ford	8389	3.750in./95.3mm	Chevrolet
121	3.268in./83mm	Chevrolet	8436	3.250in./82.6mm	Chevrolet
121	3.622in./92mm	Chevrolet	8436	3.250in./82.6mm	General Motors
143	3.622in./92mm	Chevrolet	8436	3.250in./82.6mm	Pontiac
161	2.756in./70mm	Opel	8436	3.531in./89.7mm	Chevrolet
201	3.400in./86.4mm	Buick	8436	3.531in./89.7mm	Pontiac
205	2.800in./71.1mm	Buick	9300	4.375in./111.1mm	Chrysler
207	3.000in./76.2mm	American Motors	9410	4.375in./111.1mm	Chrysler
207	3.250in./82.6mm	Studebaker	9410	4.625in./117.5mm	Chrysler
207	3.500in./88.9mm	American Motors	9410	4.625in./117.5mm	Dodge
207	3.906in./99.2mm	American Motors	9414	4.625in./117.5mm	Chrysler
218LW	3.622in./92mm	Chrysler	9414	4.625in./117.5mm	Dodge
220	3.400in./86.4mm	Buick	9420	4.125in./104.8mm	Chevrolet
222	4.060in./103.1mm	Cadillac	9558	3.750in./95.3mm	Chevrolet
222	4.300in./109.2mm	Cadillac	15134N	3.125in./79.4mm	Chrysler
324	3.000in./76.2mm	Pontiac	15134N	3.641in./92.5mm	Chrysler
338	3.250in./82.6mm	Studebaker	15134N	4.125in./104.8mm	Chrysler
338	3.500in./88.9mm	American Motors	15140	3.125in./79.4mm	Chrysler
351	3.190in./81.03mm	American Motors	15140	3.641in./92.5mm	Chrysler
351	3.190in./81.03mm	Jeep	15140	4.125in./104.8mm	Chrysler
351	3.850in./97.8mm	Buick	17009	2.677in./68mm	Austin
352	3.906in./99.2mm	American Motors	17009	2.992in./76mm	Austin
367GC-468F	6.000in./152.4mm	Mack	17009	2.992in./76mm	MG
408	2.660in./67.6mm	Buick	17010	2.677in./68mm	Austin
431	3.200in./81.3mm	Buick	17010	2.992in./76mm	Austin
461	2.660in./67.6mm	Buick	17010	2.992in./76mm	MG
487	3.640in./92.5mm	Buick	20007	in./mm	Waukesha
494	3.640in./92.5mm	Buick	20007	8.500in./215.9mm	Waukesha
507	3.189in./81mm	Austin	20840	5.000in./127mm	Cummins



CONNECTING ROD FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
20840	5.197in./132mm	Cummins	140107	5.500in./139.7mm	Waukesha
25053D	6.500in./165.1mm	International	143523	5.000in./127mm	Cummins
25069H	4.000in./101.6mm	Continental	147036	4.125in./104.8mm	Cummins
25069H	4.000in./101.6mm	International	156101	4.125in./104.8mm	Cummins
25069H	4.250in./108mm	International	160007-C	3.500in./88.9mm	Waukesha
25750DA	5.250in./133.4mm	International	160043	4.125in./104.8mm	Cummins
28736D	6.500in./165.1mm	International	166452	3.500in./88.9mm	Cummins
30926D	4.000in./101.6mm	Continental	166452	in./mm	Cummins
30926D	4.000in./101.6mm	International	175635	4.125in./104.8mm	Cummins
30926D	4.250in./108mm	International	175637	4.125in./104.8mm	Cummins
32285D	6.500in./165.1mm	International	177378	4.125in./104.8mm	Cummins
33738	4.000in./101.6mm	Waukesha	180000-C	3.750in./95.3mm	Waukesha
40090C	4.250in./108mm	Hercules	180007	3.750in./95.3mm	Waukesha
40090C	4.500in./114.3mm	Hercules	180007-B	3.750in./95.3mm	Waukesha
40390C	4.250in./108mm	Hercules	180007-C	3.750in./95.3mm	Waukesha
40390C	4.500in./114.3mm	Hercules	180097	6.000in./152.4mm	Cummins
42687D	6.500in./165.1mm	International	182111	3.750in./95.3mm	Waukesha
43102C	4.250in./108mm	Hercules	187111	3.750in./95.3mm	Waukesha
43102C	4.500in./114.3mm	Hercules	190107	4.000in./101.6mm	Waukesha
43785	4.250in./108mm	International	190128	6.000in./152.4mm	Cummins
43785B	4.250in./108mm	International	190307	4.000in./101.6mm	Waukesha
43785DDXA	4.250in./108mm	International	195123	4.000in./101.6mm	Studebaker
44119C	4.500in./114.3mm	Hercules	199829	4.000in./101.6mm	Studebaker
45750DA	5.250in./133.4mm	International	200007	in./mm	Waukesha
52813	5.000in./127mm	Perkins	200007	8.500in./215.9mm	Waukesha
59554	5.000in./127mm	Perkins	207459	3.500in./88.9mm	Allis Chalmers
59554	5.276in./134mm	Perkins	215264R1	2.750in./69.9mm	International
59998R1	4.125in./104.8mm	International	216114R1	2.750in./69.9mm	Briggs & Stratton
59998R1	4.500in./114.3mm	International	216114R1	3.656in./92.9mm	International
60832B	4.125in./104.8mm	International	218808	6.000in./152.4mm	Cummins
60832B	4.500in./114.3mm	International	220207	3.750in./95.3mm	Waukesha
61349H	3.688in./93.7mm	International	220207	in./mm	Waukesha
61349H	3.875in./98.4mm	International	251246R1	2.750in./69.9mm	International
62930R1	4.500in./114.3mm	International	251246R3	2.750in./69.9mm	International
62930R4	4.500in./114.3mm	International	254924R1	6.500in./165.1mm	International
62930R5	4.500in./114.3mm	International	277103R11	6.000in./152.4mm	International
68007	4.000in./101.6mm	Waukesha	278410A	3.898in./99mm	General Motors
70009R1	3.688in./93.7mm	International	278712C1	4.313in./109.6mm	International
70009R1	4.016in./102mm	International	288090D	4.500in./114.3mm	Hercules
70009R1	4.125in./104.8mm	International	291260	3.641in./92.5mm	Chrysler
70009R2	4.016in./102mm	International	306280R1	4.391in./111.5mm	International
70009R2	4.125in./104.8mm	International	309253C1	2.750in./69.9mm	Briggs & Stratton
97007-B	8.250in./209.6mm	Waukesha	309253C1	3.656in./92.9mm	International
101158	3.441in./87.4mm	Cummins	312716	3.600in./91.4mm	Ford
101158	6.000in./152.4mm	Cummins	312716	3.600in./91.4mm	Ford Tractor
116390H	4.500in./114.3mm	International	364912R11	4.250in./108mm	International
118701H	4.125in./104.8mm	International	367406R1	4.391in./111.5mm	International
118701H	4.500in./114.3mm	International	375595R1	4.063in./103.2mm	International
118701H	5.000in./127mm	International	380282	3.385in./86mm	Oldsmobile
118701H	5.250in./133.4mm	International	380282	3.531in./89.7mm	Chevrolet
118701HA	4.125in./104.8mm	International	380283	3.385in./86mm	Oldsmobile
118701HA	4.500in./114.3mm	International	380283	3.531in./89.7mm	Chevrolet
118701HA	5.000in./127mm	International	380383	3.385in./86mm	Oldsmobile
118701HA	5.250in./133.4mm	International	380383	3.531in./89.7mm	Chevrolet
121430	5.000in./127mm	Cummins	384759	4.250in./108mm	Oldsmobile
121430	6.000in./152.4mm	Cummins	391320	4.125in./104.8mm	International
121579	6.000in./152.4mm	Cummins	391320	4.500in./114.3mm	International
122620	5.000in./127mm	Cummins	397858	3.980in./101.1mm	Oldsmobile
123007	6.500in./165.1mm	Waukesha	398410	3.385in./86mm	Oldsmobile
125107	6.500in./165.1mm	Waukesha	398410	3.531in./89.7mm	Chevrolet
127725	5.000in./127mm	Cummins	401406	3.980in./101.1mm	Oldsmobile
127725	5.197in./132mm	Cummins	401456	3.980in./101.1mm	Oldsmobile
127726	5.000in./127mm	Cummins	410997	3.385in./86mm	Oldsmobile
127726	5.197in./132mm	Cummins	410997	3.531in./89.7mm	Chevrolet
133512R3	3.750in./95.3mm	International	410999	3.980in./101.1mm	Oldsmobile
133512R3	4.313in./109.6mm	International	418557	3.438in./87.3mm	General Motors
133521R3	3.750in./95.3mm	International	418557	3.438in./87.3mm	Oldsmobile
133521R3	4.313in./109.6mm	International	427216C1	4.313in./109.6mm	International
133524R3	3.750in./95.3mm	International	489300	4.313in./109.6mm	International
133524R3	4.313in./109.6mm	International	499323	3.000in./76.2mm	Pontiac
135007	5.000in./127mm	Waukesha	517892	4.000in./101.6mm	Studebaker
135007-A	5.000in./127mm	Waukesha	518114	3.250in./82.6mm	General Motors



CONNECTING ROD FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
518114	3.250in./82.6mm	Pontiac	954371	4.625in./117.5mm	Dodge
518114	3.563in./90.5mm	General Motors	954408	4.375in./111.1mm	Chrysler
518114	3.563in./90.5mm	Pontiac	954408	4.625in./117.5mm	Chrysler
518115	3.563in./90.5mm	General Motors	954408	4.625in./117.5mm	Dodge
518115	3.563in./90.5mm	Pontiac	954418	4.063in./103.2mm	Chrysler
527457R11	2.750in./69.9mm	International	954418	4.250in./108mm	Chrysler
528979	3.563in./90.5mm	General Motors	954418	4.250in./108mm	DeSoto
528979	3.563in./90.5mm	Pontiac	954418	4.500in./114.3mm	Chrysler
529007	3.750in./95.3mm	Pontiac	954418	4.500in./114.3mm	Dodge
529238	3.750in./95.3mm	Pontiac	954418	4.750in./120.7mm	Chrysler
529907	3.563in./90.5mm	General Motors	954418	in./mm	Chrysler
529907	3.563in./90.5mm	Pontiac	954428	4.063in./103.2mm	Chrysler
529907	3.750in./95.3mm	Pontiac	954428	4.250in./108mm	Chrysler
529938	3.750in./95.3mm	Pontiac	954428	4.250in./108mm	DeSoto
532294	3.563in./90.5mm	General Motors	954428	4.500in./114.3mm	Chrysler
532294	3.563in./90.5mm	Pontiac	954428	4.500in./114.3mm	Dodge
532294	3.750in./95.3mm	Pontiac	954428	4.750in./120.7mm	Chrysler
541000	3.750in./95.3mm	Pontiac	954428	in./mm	Chrysler
544956	3.750in./95.3mm	Pontiac	954448	4.063in./103.2mm	Chrysler
555645	3.438in./87.3mm	General Motors	954448	4.250in./108mm	Chrysler
555645	3.438in./87.3mm	Oldsmobile	954448	4.250in./108mm	DeSoto
559360	3.438in./87.3mm	General Motors	1162050	3.200in./81.3mm	Buick
559360	3.438in./87.3mm	Oldsmobile	1168325	3.200in./81.3mm	Buick
559361	3.438in./87.3mm	General Motors	1173217	3.400in./86.4mm	Buick
559361	3.438in./87.3mm	Oldsmobile	1185487	3.640in./92.5mm	Buick
568815	3.688in./93.7mm	General Motors	1186538	3.400in./86.4mm	Buick
568815	3.688in./93.7mm	Oldsmobile	1193339	2.800in./71.1mm	Buick
574545	3.688in./93.7mm	General Motors	1240016	3.850in./97.8mm	Buick
574545	3.688in./93.7mm	Oldsmobile	1241938	3.850in./97.8mm	Buick
575001	3.688in./93.7mm	General Motors	1278848	3.189in./81mm	BMW
575001	3.688in./93.7mm	Oldsmobile	1324222	3.625in./92.1mm	Chrysler
580255	3.688in./93.7mm	General Motors	1328783	3.250in./82.6mm	Chrysler
580255	3.688in./93.7mm	Oldsmobile	1343144	3.200in./81.3mm	Buick
585470	3.688in./93.7mm	General Motors	1349431	3.200in./81.3mm	Buick
585470	3.688in./93.7mm	Oldsmobile	1357201	3.400in./86.4mm	Buick
617925	4.375in./111.1mm	Chrysler	1357333	3.400in./86.4mm	Buick
617925	4.625in./117.5mm	Chrysler	1373496	3.900in./99mm	Buick
617925	4.625in./117.5mm	Dodge	1374562	3.850in./97.8mm	Buick
636960	4.375in./111.1mm		1374563	3.850in./97.8mm	Buick
640068	4.375in./111.1mm		1377248	3.400in./86.4mm	Buick
641770	4.375in./111.1mm		1385363	3.900in./99mm	Buick
665679	4.063in./103.2mm	Chrysler	1400244	4.063in./103.2mm	Chrysler
665679	4.250in./108mm	Chrysler	1400244	4.250in./108mm	Chrysler
665679	4.250in./108mm	DeSoto	1400244	4.250in./108mm	DeSoto
665679	4.500in./114.3mm	Chrysler	1400244	4.500in./114.3mm	Chrysler
665679	4.500in./114.3mm	Dodge	1400244	4.500in./114.3mm	Dodge
665679	4.750in./120.7mm	Chrysler	1400244	4.750in./120.7mm	Chrysler
665679	in./mm	Chrysler	1400244	in./mm	Chrysler
666743	4.625in./117.5mm	Chrysler	1554471	4.375in./111.1mm	Chrysler
666743	4.625in./117.5mm	Dodge	1554471	4.625in./117.5mm	Chrysler
666746	4.063in./103.2mm	Chrysler	1554471	4.625in./117.5mm	Dodge
666746	4.250in./108mm	Chrysler	1554530	4.375in./111.1mm	Chrysler
666746	4.250in./108mm	DeSoto	1554530	4.625in./117.5mm	Chrysler
666746	4.500in./114.3mm	Chrysler	1554530	4.625in./117.5mm	Dodge
666746	4.500in./114.3mm	Dodge	1618699	3.313in./84.2mm	Chrysler
666746	4.750in./120.7mm	Chrysler	1618699	3.313in./84.2mm	Dodge
666746	in./mm	Chrysler	1618699	3.375in./85.7mm	Chrysler
711916	4.375in./111.1mm	Jeep	1630398	3.800in./96.5mm	Chrysler
731057	4.375in./111.1mm	Continental	1673758	3.906in./99.2mm	Chrysler
731057	4.375in./111.1mm	Jeep	1737692	3.375in./85.7mm	Chrysler
838389	3.750in./95.3mm	Chevrolet	1816619C1	4.180in./106.2mm	International
838389	3.938in./100mm	Chevrolet	1821345	3.625in./92.1mm	Chrysler
839558	3.750in./95.3mm	Chevrolet	1821345	3.800in./96.5mm	Chrysler
839558	3.938in./100mm	Chevrolet	1851535	3.375in./85.7mm	Chrysler
868896	4.375in./111.1mm	Chrysler	1851535	3.625in./92.1mm	Chrysler
868896	4.625in./117.5mm	Chrysler	1851535	3.750in./95.3mm	Chrysler
868896	4.625in./117.5mm	Dodge	1851535	4.188in./106.4mm	Chrysler
952118	4.375in./111.1mm	Chrysler	1947167	3.125in./79.4mm	Chrysler
952118	4.625in./117.5mm	Chrysler	1947167	3.641in./92.5mm	Chrysler
952118	4.625in./117.5mm	Dodge	1947167	4.125in./104.8mm	Chrysler
954371	4.375in./111.1mm	Chrysler	1947952	3.125in./79.4mm	Chrysler
954371	4.625in./117.5mm	Chrysler	1947952	3.641in./92.5mm	Chrysler



CONNECTING ROD FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
1947952	4.125in./104.8mm	Chrysler	3173210	3.906in./99.2mm	American Motors
2135419	4.000in./101.6mm	General Motors	3174472	3.750in./95.3mm	Nash
2205554	3.125in./79.4mm	Chrysler	3174472	4.000in./101.6mm	Nash
2205554	3.641in./92.5mm	Chrysler	3174472	4.250in./108mm	American Motors
2205554	4.125in./104.8mm	Chrysler	3180444	3.250in./82.6mm	Studebaker
2341204	3.813in./96.9mm	General Motors	3180444	3.500in./88.9mm	American Motors
2341204	4.000in./101.6mm	General Motors	3182749	3.000in./76.2mm	American Motors
2389554	3.578in./90.8mm	General Motors	3182749	3.250in./82.6mm	Studebaker
2406395	3.375in./85.7mm	Chrysler	3182749	3.281in./83.34mm	American Motors
2406395	3.750in./95.3mm	Chrysler	3182749	3.438in./87.3mm	American Motors
2406395	4.188in./106.4mm	Chrysler	3182749	3.438in./87.33mm	American Motors
2406782	3.313in./84.2mm	Chrysler	3182749	3.500in./88.9mm	American Motors
2406782	3.313in./84.2mm	Dodge	3182749	3.906in./99.2mm	American Motors
2406782	3.375in./85.7mm	Chrysler	3185281	3.250in./82.6mm	Chevrolet
2406886	3.375in./85.7mm	Chrysler	3191739	3.680in./93.5mm	American Motors
2406886	3.750in./95.3mm	Chrysler	3191739	3.680in./93.5mm	International
2406886	4.188in./106.4mm	Chrysler	3196750	3.438in./87.3mm	American Motors
2434826	3.578in./90.8mm	General Motors	3196750	3.438in./87.33mm	American Motors
2448949	3.578in./90.8mm	General Motors	3197047	3.438in./87.3mm	American Motors
2448949	3.859in./98mm	General Motors	3197047	3.438in./87.33mm	American Motors
2468000	3.750in./95.3mm	Chrysler	3215845	3.680in./93.5mm	American Motors
2470891	3.578in./90.8mm	General Motors	3215845	3.680in./93.5mm	International
2474281	3.578in./90.8mm	General Motors	3418645	3.313in./84.2mm	Chrysler
2474281	3.859in./98mm	General Motors	3508419	3.625in./92.1mm	Cadillac
2477425	3.578in./90.8mm	General Motors	3508991	3.625in./92.1mm	Cadillac
2484084	3.859in./98mm	General Motors	3509004	3.625in./92.1mm	Cadillac
2899496	3.313in./84.2mm	Chrysler	3509547	3.625in./92.1mm	Cadillac
2951260	3.125in./79.4mm	Chrysler	3510082	3.625in./92.1mm	Cadillac
2951260	3.641in./92.5mm	Chrysler	3511503	3.875in./98.4mm	Cadillac
2951260	4.125in./104.8mm	Chrysler	3513058	3.875in./98.4mm	Cadillac
2951908	3.375in./85.7mm	Chrysler	3513058	4.000in./101.6mm	Cadillac
2951908	3.750in./95.3mm	Chrysler	3633111	4.060in./103.1mm	Cadillac
2951908	4.188in./106.4mm	Chrysler	3633111	4.300in./109.2mm	Cadillac
3027104	5.354in./136mm	Cummins	3701491	3.938in./100mm	Chevrolet
3078328	6.000in./152.4mm	Cummins	3701890	3.750in./95.3mm	Chevrolet
3125959	3.750in./95.3mm	Nash	3701890	3.938in./100mm	Chevrolet
3125959	4.000in./101.6mm	Nash	3702448	3.938in./100mm	Chevrolet
3125959	4.250in./108mm	American Motors	3703526	3.000in./76.2mm	Chevrolet
3127770	3.750in./95.3mm	Nash	3703526	3.250in./82.6mm	Chevrolet
3127770	4.000in./101.6mm	Nash	3703526	3.347in./85mm	Chevrolet
3127770	4.250in./108mm	American Motors	3703526	3.701in./94mm	Mazda
3131804	3.750in./95.3mm	Nash	3703527	3.000in./76.2mm	Chevrolet
3131804	4.000in./101.6mm	Nash	3703527	3.250in./82.6mm	Chevrolet
3131804	4.250in./108mm	American Motors	3703527	3.347in./85mm	Chevrolet
3135607	3.750in./95.3mm	Nash	3703527	3.701in./94mm	Mazda
3135607	4.000in./101.6mm	Nash	3732717	3.250in./82.6mm	Chevrolet
3135607	4.250in./108mm	American Motors	3732717	3.500in./88.9mm	Chevrolet
3144468	3.250in./82.6mm	American Motors	3734627	3.000in./76.2mm	Chevrolet
3144468	3.250in./82.6mm	Jeep	3751142N	3.641in./92.5mm	Chrysler
3144488	3.250in./82.6mm	American Motors	3751142N	4.125in./104.8mm	Chrysler
3144488	3.250in./82.6mm	Jeep	3784000	3.000in./76.2mm	Chevrolet
3145295	3.250in./82.6mm	American Motors	3784000	3.250in./82.6mm	Chevrolet
3145295	3.250in./82.6mm	Jeep	3784000	3.347in./85mm	Chevrolet
3145607	3.750in./95.3mm	Nash	3784000	3.701in./94mm	Mazda
3145607	4.000in./101.6mm	Nash	3788435	3.250in./82.6mm	Chevrolet
3145607	4.250in./108mm	American Motors	3788435	3.250in./82.6mm	General Motors
3145608	3.750in./95.3mm	Nash	3788435	3.250in./82.6mm	Pontiac
3145608	4.000in./101.6mm	Nash	3788435	3.531in./89.7mm	Chevrolet
3145608	4.250in./108mm	American Motors	3788435	3.531in./89.7mm	Pontiac
3145609	3.750in./95.3mm	Nash	3788437	3.250in./82.6mm	Chevrolet
3145609	4.000in./101.6mm	Nash	3788437	3.250in./82.6mm	General Motors
3145609	4.250in./108mm	American Motors	3788437	3.250in./82.6mm	Pontiac
3145808	3.750in./95.3mm	Nash	3788437	3.531in./89.7mm	Chevrolet
3145808	4.000in./101.6mm	Nash	3788437	3.531in./89.7mm	Pontiac
3145808	4.250in./108mm	American Motors	3789419	4.125in./104.8mm	Chevrolet
3172341	3.000in./76.2mm	American Motors	3789422	4.125in./104.8mm	Chevrolet
3172341	3.250in./82.6mm	Studebaker	3795624	3.250in./82.6mm	Chevrolet
3172341	3.500in./88.9mm	American Motors	3795624	3.500in./88.9mm	Chevrolet
3172341	3.906in./99.2mm	American Motors	3815281	3.000in./76.2mm	Chevrolet
3173210	3.000in./76.2mm	American Motors	3815281	3.250in./82.6mm	Chevrolet
3173210	3.250in./82.6mm	Studebaker	3815281	3.347in./85mm	Chevrolet
3173210	3.500in./88.9mm	American Motors	3815281	3.701in./94mm	Mazda



CONNECTING ROD FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
3817209	2.593in./65.9mm	Chevrolet Corvair	5121248	4.500in./114.3mm	Detroit Diesel
3817209	2.938in./74.6mm	Chevrolet Corvair	5125239	5.000in./127mm	Detroit Diesel
3817294	2.593in./65.9mm	Chevrolet Corvair	5128158	4.500in./114.3mm	Detroit Diesel
3817294	2.938in./74.6mm	Chevrolet Corvair	5133009	4.500in./114.3mm	Detroit Diesel
3817297	2.593in./65.9mm	Chevrolet Corvair	5135051	5.000in./127mm	Detroit Diesel
3817297	2.938in./74.6mm	Chevrolet Corvair	5144384	5.000in./127mm	Detroit Diesel
3819695	2.593in./65.9mm	Chevrolet Corvair	5144469	5.000in./127mm	Detroit Diesel
3819695	2.938in./74.6mm	Chevrolet Corvair	5150059	3.813in./96.9mm	General Motors
3820301	5.354in./136mm	Cummins	5150059	4.000in./101.6mm	General Motors
3820301R	5.354in./136mm	Cummins	5150093	5.000in./127mm	Detroit Diesel
3835184	3.750in./95.3mm	Chevrolet	5154265	5.000in./127mm	Detroit Diesel
3835184	3.938in./100mm	Chevrolet	5203385	3.622in./92mm	Chrysler
3835274	3.750in./95.3mm	Chevrolet	6107428	3.813in./96.9mm	General Motors
3835274	3.938in./100mm	Chevrolet	6107428	4.000in./101.6mm	General Motors
3835324	3.750in./95.3mm	Chevrolet	6255633	2.593in./65.9mm	Chevrolet Corvair
3835324	3.938in./100mm	Chevrolet	6255633	2.938in./74.6mm	Chevrolet Corvair
3835609	3.750in./95.3mm	Chevrolet	6255633	4.000in./101.6mm	General Motors
3835609	3.938in./100mm	Chevrolet	8920131	4.406in./112mm	Detroit Diesel
3836410	3.938in./100mm	Chevrolet	9793328	3.250in./82.6mm	Chevrolet
3836456	3.938in./100mm	Chevrolet	9793328	3.250in./82.6mm	General Motors
3836671	3.938in./100mm	Chevrolet	9793328	3.250in./82.6mm	Pontiac
3836964	3.938in./100mm	Chevrolet	9793328	3.531in./89.7mm	Chevrolet
3837149	3.250in./82.6mm	Chevrolet	9793328	3.531in./89.7mm	Pontiac
3837419	3.250in./82.6mm	Chevrolet	14018716	2.913in./74mm	Chevrolet
3837419	3.250in./82.6mm	General Motors	25509405	3.400in./86.4mm	Buick
3837419	3.250in./82.6mm	Pontiac	31337140	5.000in./127mm	Perkins
3837419	3.531in./89.7mm	Chevrolet	31337180JGSB	5.000in./127mm	Perkins
3837419	3.531in./89.7mm	Pontiac	31337180JGSB	5.276in./134mm	Perkins
3837686	3.250in./82.6mm	Chevrolet	31337220	5.000in./127mm	Perkins
3837686	3.500in./88.9mm	Chevrolet	31337240	3.465in./88mm	Perkins
3856239	2.953in./75mm	Chevrolet	31337290	4.764in./121mm	Perkins
3856239	3.650in./92.7mm	Chevrolet	31337310	5.000in./127mm	Perkins
3856239	3.766in./95.7mm	Chevrolet	31337310	5.276in./134mm	Perkins
3856239	4.000in./101.6mm	Chevrolet	390124715	5.320in./135.1mm	Cummins
3856240	2.953in./75mm	Chevrolet	.812PIN	3.071in./78mm	Saab
3856240	3.650in./92.7mm	Chevrolet	.875PIN	3.071in./78mm	Saab
3856240	3.766in./95.7mm	Chevrolet	A5554R	6.375in./161.9mm	John Deere
3856240	4.000in./101.6mm	Chevrolet	A24425	5.000in./127mm	Case
3892671	3.438in./87.33mm	Chevrolet	A27845	5.000in./127mm	Case
3892671	3.484in./88.5mm	Chevrolet	A58579	5.000in./127mm	Case
3892671	3.504in./89mm	Chevrolet	A58789	5.000in./127mm	Case
3901085	4.724in./120mm	Cummins	A278895	5.000in./127mm	Case
3901566	4.724in./120mm	Cummins	A	5.000in./127mm	Waukesha
3916396	3.438in./87.33mm	Chevrolet	A-2551	5.000in./127mm	Cummins
3916396	3.484in./88.5mm	Chevrolet	A-2551	5.197in./132mm	Cummins
3916396	3.504in./89mm	Chevrolet	AEG-521	3.189in./81mm	Austin
3923282	3.438in./87.33mm	Chevrolet	AEG-521	3.189in./81mm	MG
3923282	3.484in./88.5mm	Chevrolet	B5R	3.500in./88.9mm	Ford
3923282	3.504in./89mm	Chevrolet	B5R	3.656in./92.9mm	Ford
3933174	2.953in./75mm	Chevrolet	B5R-6200A	3.656in./92.9mm	Ford
3933174	3.650in./92.7mm	Chevrolet	B7B	2.800in./71.1mm	Buick
3933174	3.766in./95.7mm	Chevrolet	B9NN-6205A	3.600in./91.4mm	Ford
3933174	4.000in./101.6mm	Chevrolet	B9NN-6205A	3.600in./91.4mm	Ford Tractor
3946841	3.438in./87.33mm	Chevrolet	B9TE	3.750in./95.3mm	Ford
3946841	3.484in./88.5mm	Chevrolet	B9TE	4.200in./106.7mm	Ford
3946841	3.504in./89mm	Chevrolet	B9TE	4.500in./114.3mm	Hercules
3951629	3.312in./84.1mm	Chevrolet	B10	2.500in./63.5mm	Ford
3951629	3.750in./95.3mm	Chevrolet	B10	2.938in./74.6mm	Ford
3977110	3.250in./82.6mm	Chevrolet	B10	3.125in./79.4mm	Ford
3977110	3.250in./82.6mm	General Motors	B-5708	4.125in./104.8mm	Allis Chalmers
3977110	3.531in./89.7mm	Chevrolet	B-5708	4.125in./104.8mm	Buda
3977110	3.625in./92.1mm	Chevrolet	B-390124710	5.320in./135.1mm	Cummins
4020888	4.250in./108mm	Allis Chalmers	BD-25A	4.000in./101.6mm	Waukesha
4349339	5.563in./141.3mm	Allis Chalmers	BD-25C	4.000in./101.6mm	Waukesha
4349339	5.563in./141.3mm	Buda	C0AE	3.500in./88.9mm	Ford
4448903	3.189in./81mm	Chrysler	C0ME	3.703in./94.1mm	Ford
4500141	4.125in./104.8mm	Allis Chalmers	C1AE	3.609in./91.7mm	Ford
4500141	4.125in./104.8mm	Buda	C1AE	3.609in./91.7mm	Ford Tractor
4500141	4.375in./111.1mm	Buda	C1AE	3.906in./99.2mm	Ford
4573149	3.189in./81mm	Chrysler	C1AE	3.906in./99.2mm	Ford Tractor
4663422	3.189in./81mm	Chrysler	C1AE	4.031in./102.4mm	Ford
5117002	5.000in./127mm	Detroit Diesel	C1AE-6205A	3.500in./88.9mm	Ford



CONNECTING ROD FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
C1AE-6205C1	4.031in./102.4mm	Ford	C6AE-C	3.500in./88.9mm	Ford
C1AE-6205D1	3.609in./91.7mm	Ford	C6AE-C	3.781in./96mm	Ford
C1AE-6205D1	3.609in./91.7mm	Ford Tractor	C6AE-C	3.984in./101.2mm	Ford
C1AE-6205D1	3.906in./99.2mm	Ford	C6AE-H	3.500in./88.9mm	Ford
C1AE-6205D1	3.906in./99.2mm	Ford Tractor	C7AE-B	3.500in./88.9mm	Ford
C1AE-A	3.500in./88.9mm	Ford	C7AE-B	3.781in./96mm	Ford
C1AE-A	3.781in./96mm	Ford	C7AE-B	3.984in./101.2mm	Ford
C1AE-B	3.781in./96mm	Ford	C7AE-C	3.984in./101.2mm	Ford
C1DE	2.500in./63.5mm	Ford	C7TE-A	3.500in./88.9mm	Ford
C1DE	2.938in./74.6mm	Ford	C7TE-A	3.984in./101.2mm	Ford
C1DE	3.125in./79.4mm	Ford	C7TE-B	3.500in./88.9mm	Ford
C1TE	4.031in./102.4mm	Ford	C8AE-A	3.188in./80.98mm	Ford
C1TE-C	3.297in./83.8mm	Ford	C8AE-A	3.980in./101.1mm	Ford
C2AE-A	3.100in./78.7mm	Ford	C8DE	2.870in./72.9mm	Ford
C2AE-A	3.297in./83.8mm	Ford	C8DE	2.953in./75mm	BMW
C2AE-A	3.750in./95.3mm	Ford	C8DE	3.000in./76.2mm	Ford
C2AE-B	3.500in./88.9mm	Ford	C8OE-A	3.000in./76.2mm	Ford
C2AE-B	3.781in./96mm	Ford	C8TE	3.188in./80.98mm	Ford
C2AE-B	3.984in./101.2mm	Ford	C8TE	3.980in./101.1mm	Ford
C2OE	3.000in./76.2mm	Ford	C8TE-A	3.188in./80.98mm	Ford
C3AE	3.609in./91.7mm	Ford	C8TE-A	3.980in./101.1mm	Ford
C3AE	3.609in./91.7mm	Ford Tractor	C8VE	3.000in./76.2mm	Ford
C3AE	3.906in./99.2mm	Ford	C8VE	3.590in./91.2mm	Ford
C3AE	3.906in./99.2mm	Ford Tractor	C8VE	3.850in./97.8mm	Ford
C3AE	4.031in./102.4mm	Ford	C8VE-A	3.000in./76.2mm	Ford
C3AE-620E1	3.609in./91.7mm	Ford	C8VE-A	3.590in./91.2mm	Ford
C3AE-620E1	3.609in./91.7mm	Ford Tractor	C8VE-A	3.850in./97.8mm	Ford
C3AE-620E1	3.906in./99.2mm	Ford	C9DE-A	3.906in./99.2mm	Ford
C3AE-620E1	3.906in./99.2mm	Ford Tractor	C9OE	3.500in./88.9mm	Ford Windsor
C3AE-6200B	3.984in./101.2mm	Ford	C20E	2.870in./72.9mm	Ford
C3AE-6205A	3.984in./101.2mm	Ford	C20E	2.953in./75mm	BMW
C3AE-A	3.000in./76.2mm	Ford	C30E	2.500in./63.5mm	Ford
C3AE-B	3.781in./96mm	Ford	C30E	2.938in./74.6mm	Ford
C3AE-B	3.984in./101.2mm	Ford	C30E	3.125in./79.4mm	Ford
C3AE-C	3.500in./88.9mm	Ford	C30E-A	3.000in./76.2mm	Ford
C3AE-C	3.781in./96mm	Ford	C80E-A	3.000in./76.2mm	Ford
C3AE-C	3.984in./101.2mm	Ford	C90E	3.500in./88.9mm	Ford Windsor
C3AE-D	2.870in./72.9mm	Ford	C90E	in./mm	Ford Windsor
C3AE-D	2.953in./75mm	BMW	C7917	3.504in./89mm	Acura
C3AE-D	3.000in./76.2mm	Ford	C-126111	4.500in./114.3mm	International
C3AE-F	3.781in./96mm	Ford	CODE	2.500in./63.5mm	Ford
C3AE-F	3.984in./101.2mm	Ford	CODE	2.938in./74.6mm	Ford
C3AE-J	2.870in./72.9mm	Ford	CODE	3.125in./79.4mm	Ford
C3AE-J	2.953in./75mm	BMW	COME6205A	3.703in./94.1mm	Ford
C3AE-J	3.000in./76.2mm	Ford	COME	3.984in./101.2mm	Ford
C3TE	4.031in./102.4mm	Ford	CONN	3.600in./91.4mm	Ford
C3VE-A	3.703in./94.1mm	Ford	CONN	3.600in./91.4mm	Ford Tractor
C3VE-A	3.984in./101.2mm	Ford	D00E-A	3.000in./76.2mm	Ford
C3VY-6200A	3.703in./94.1mm	Ford	D00E-A	3.590in./91.2mm	Ford
C3VY-6200A	3.984in./101.2mm	Ford	D00E-A	3.850in./97.8mm	Ford
C5AE-A	3.188in./80.98mm	Ford	D1AE-A	4.000in./101.6mm	Ford
C5AE-A	3.980in./101.1mm	Ford	D6OE	3.500in./88.9mm	Ford Windsor
C5AE-B	3.500in./88.9mm	Ford	D6VE	3.000in./76.2mm	Ford
C5AE-B	3.781in./96mm	Ford	D6VE	3.590in./91.2mm	Ford
C5AE-B	3.984in./101.2mm	Ford	D8BE	2.938in./74.6mm	Ford
C5TE	3.188in./80.98mm	Ford	D8BE	3.125in./79.4mm	Ford
C5TE	3.980in./101.1mm	Ford	D8BE-6205	2.500in./63.5mm	Ford
C5TE-6303C	3.188in./80.98mm	Ford	D8BE-6205	2.938in./74.6mm	Ford
C5TE-6303C	3.980in./101.1mm	Ford	D8BE-6205	3.125in./79.4mm	Ford
C5TE-A	3.188in./80.98mm	Ford	D8DE-AA	3.906in./99.2mm	Ford
C5TE-A	3.980in./101.1mm	Ford	D9TE	3.000in./76.2mm	Ford
C5TE-B	3.188in./80.98mm	Ford	D9TE	3.590in./91.2mm	Ford
C5TE-B	3.980in./101.1mm	Ford	D42E-AA	3.125in./79.4mm	Ford
C5TE-F	3.188in./80.98mm	Ford	D60E	3.500in./88.9mm	Ford Windsor
C5TE-F	3.980in./101.1mm	Ford	D60E	in./mm	Ford Windsor
C5TE-G	3.188in./80.98mm	Ford	D600D-500	3.980in./101.1mm	Continental
C5TE-G	3.980in./101.1mm	Ford	D600D-500	4.000in./101.6mm	Continental
C5TZ-A	3.188in./80.98mm	Ford	D600D-500	4.375in./111.1mm	Continental
C5TZ-A	3.980in./101.1mm	Ford	D	3.386in./86mm	Mitsubishi
C5TZ-B	3.188in./80.98mm	Ford	DA-51-A	3.250in./82.6mm	Wisconsin
C5TZ-B	3.980in./101.1mm	Ford	DA-51-B	3.250in./82.6mm	Wisconsin
C6AE-A	3.984in./101.2mm	Ford	DA-65	3.250in./82.6mm	Military Standard



CONNECTING ROD FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
DA-65	3.250in./82.6mm	Wisconsin	EDC	3.100in./78.7mm	Ford
DA-66-A-4	4.000in./101.6mm	Wisconsin	EDC	3.297in./83.8mm	Ford
DDN-6200-B	4.527in./115mm	Ford	EDC	3.500in./88.9mm	Ford
DDN-6200-B	4.527in./115mm	Ford Tractor	EDC	3.750in./95.3mm	Ford
DDN-6200-B	4.527in./115mm	Fordson Tractor	EDC-6205A	3.750in./95.3mm	Ford
DDN-6205-B	4.527in./115mm	Ford	EDL	3.750in./95.3mm	Ford
DDN-6205-B	4.527in./115mm	Ford Tractor	EDL	4.200in./106.7mm	Ford
DDN-6205-B	4.527in./115mm	Fordson Tractor	EDL	4.500in./114.3mm	Hercules
DOAE-A	3.500in./88.9mm	Ford Cleveland	F218D-3020	4.375in./111.1mm	Continental
E1ADDN-6205	4.527in./115mm	Ford	F218D-3022	3.980in./101.1mm	Continental
E1ADDN-6205	4.527in./115mm	Ford Tractor	F218D-3022	4.375in./111.1mm	Continental
E1ADDN-6205	4.527in./115mm	Fordson Tractor	F218D-3032	3.980in./101.1mm	Continental
E2AE-AC	3.386in./86mm	Ford	F218D-3032	4.375in./111.1mm	Continental
E6AE-AB	3.150in./80mm	Ford	F226-400	4.375in./111.1mm	Continental
E43E-AA	3.125in./79.4mm	Ford	F226D-400	4.375in./111.1mm	Continental
E49	3.703in./94.1mm	Ford	F226D-500	4.375in./111.1mm	Continental
E 0352 018	3.071in./78mm	Ford	F400D-500	4.375in./111.1mm	Continental
EAA	3.609in./91.7mm	Ford	F400D-502	3.980in./101.1mm	Continental
EAA	3.609in./91.7mm	Ford Tractor	F400D-502	4.000in./101.6mm	Continental
EAA	3.906in./99.2mm	Ford	F400D-502	4.375in./111.1mm	Continental
EAA	3.906in./99.2mm	Ford Tractor	F600D-210	4.375in./111.1mm	Continental
EAA-6200	3.600in./91.4mm	Ford	F600D-310	4.375in./111.1mm	Continental
EAA-6200	3.600in./91.4mm	Ford Tractor	F600D-400	4.375in./111.1mm	Continental
EAA-6200B	3.609in./91.7mm	Ford	F600D-402	4.375in./111.1mm	Continental
EAA-6200B	3.609in./91.7mm	Ford Tractor	F600D-405	4.375in./111.1mm	Continental
EAA-6200B	3.906in./99.2mm	Ford	F600D-500	3.980in./101.1mm	Continental
EAA-6200B	3.906in./99.2mm	Ford Tractor	F600D-500	4.000in./101.6mm	Continental
EAA-6205	3.600in./91.4mm	Ford	F600D-500	4.375in./111.1mm	Continental
EAA-6205	3.600in./91.4mm	Ford Tractor	F600D-502	3.980in./101.1mm	Continental
EAA-6205A	3.609in./91.7mm	Ford	F600D-502	4.375in./111.1mm	Continental
EAA-6205A	3.609in./91.7mm	Ford Tractor	F600G-402	4.375in./111.1mm	Continental
EAA-6205A	3.906in./99.2mm	Ford	F1047B	6.375in./161.9mm	John Deere
EAA-6205A	3.906in./99.2mm	Ford Tractor	F1047R	6.375in./161.9mm	John Deere
EAA-A	3.609in./91.7mm	Ford	F1792R	6.375in./161.9mm	John Deere
EAA-A	3.609in./91.7mm	Ford Tractor	F2432R	6.375in./161.9mm	John Deere
EAA-A	3.906in./99.2mm	Ford	F2712R	6.375in./161.9mm	John Deere
EAA-A	3.906in./99.2mm	Ford Tractor	F	3.386in./86mm	Mitsubishi
EAA-B	3.609in./91.7mm	Ford	FD-59998R1	4.125in./104.8mm	International
EAA-B	3.609in./91.7mm	Ford Tractor	FD-59998R1	4.500in./114.3mm	International
EAA-B	3.906in./99.2mm	Ford	FM3066	3.622in./92mm	Isuzu
EAA-B	3.906in./99.2mm	Ford Tractor	FM3234	3.622in./92mm	Isuzu
EAD	3.297in./83.8mm	Ford	G181-501M	4.375in./111.1mm	Continental
EAD	3.656in./92.9mm	Ford	G181D-501M	4.375in./111.1mm	Continental
EAD-6200D	3.297in./83.8mm	Ford	G-124	2.441in./62mm	Austin
EAD-6200D	3.500in./88.9mm	Ford	G-124	2.677in./68mm	Austin
EAD-6200D	3.656in./92.9mm	Ford	G-124	2.992in./76mm	Austin
EAD-6205A	3.297in./83.8mm	Ford	G-124	3.189in./81mm	Austin
EAD-6205A	3.500in./88.9mm	Ford	G-124	3.189in./81mm	MG
EAD-6205A	3.656in./92.9mm	Ford	G-124	3.307in./84mm	Austin
EBU	3.100in./78.7mm	Ford	G-124	3.307in./84mm	MG
EBU	3.297in./83.8mm	Ford	G-127	2.441in./62mm	Austin
EBU	3.750in./95.3mm	Ford	G-127	2.677in./68mm	Austin
EBU-6200A	3.750in./95.3mm	Ford	G-127	2.992in./76mm	Austin
EBU-6205-A	3.750in./95.3mm	Ford	G-127	3.189in./81mm	Austin
ECC	3.100in./78.7mm	Ford	G-127	3.189in./81mm	MG
ECC	3.297in./83.8mm	Ford	G-127	3.307in./84mm	Austin
ECC	3.750in./95.3mm	Ford	G-127	3.307in./84mm	MG
ECC-6205A	3.750in./95.3mm	Ford	G-11176	4.125in./104.8mm	Case
ECC-6205B	3.750in./95.3mm	Ford	G-11176	4.391in./111.5mm	International
ECE	3.100in./78.7mm	Ford	G-11723	4.125in./104.8mm	Case
ECE	3.297in./83.8mm	Ford	G-11723	4.391in./111.5mm	International
ECE	3.750in./95.3mm	Ford	H-2354	6.000in./152.4mm	Cummins
ECE-6205-A	3.750in./95.3mm	Ford	H-2457	6.000in./152.4mm	Cummins
ECS	3.297in./83.8mm	Ford	H-90146	6.000in./152.4mm	Cummins
ECS	3.500in./88.9mm	Ford	L478C-400	4.875in./123.8mm	Continental
ECS	3.656in./92.9mm	Ford	M29T	4.000in./101.6mm	John Deere
ECS-F	3.297in./83.8mm	Ford	M1691T	4.000in./101.6mm	John Deere
ECS-F	3.500in./88.9mm	Ford	MT	4.000in./101.6mm	John Deere
ECS-F	3.656in./92.9mm	Ford	N56D-400	3.500in./88.9mm	Continental
ECZ	3.438in./87.3mm	Ford	N62D-400	3.500in./88.9mm	Continental
ECZ-6205B	3.438in./87.3mm	Ford	N560-400-0	3.500in./88.9mm	Continental
ECZ-6205B	3.750in./95.3mm	Ford	PH7	2.953in./75mm	Acura



CONNECTING ROD FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
PH7	2.953in./75mm	Honda	VT-3200	3.750in./95.3mm	Case
PR4	3.504in./89mm	Acura	VT-4538	3.750in./95.3mm	Case
R26046R	4.000in./101.6mm	John Deere	Y400D-400	3.500in./88.9mm	Continental
R40238	5.000in./127mm	John Deere	Y400D-401	3.500in./88.9mm	Continental
RFF1AE6205-AD	3.540in./89.9mm	Ford	Y400D-402	3.500in./88.9mm	Continental
RFF1AE6205-AD	3.542in./90mm	Ford	Y400D-403	3.500in./88.9mm	Continental
S	3.386in./86mm	Mitsubishi	YC115	3.250in./82.6mm	General Motors
T454T	3.500in./88.9mm	John Deere	YC115	3.250in./82.6mm	Pontiac
U3988	4.500in./114.3mm	Allis Chalmers	Z120D-500	3.750in./95.3mm	Continental
U-2354	6.000in./152.4mm	Cummins	Z120D-500	3.875in./98.4mm	Continental
U-3190	4.000in./101.6mm	Allis Chalmers	ZN115	3.563in./90.5mm	General Motors
U-3988	4.500in./114.3mm	Allis Chalmers	ZN115	3.563in./90.5mm	Pontiac
V45	3.875in./98.4mm	International			



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
0-123-1	6.000in./152.4mm	Cummins	101109	5.000in./127mm	Cummins
0-191561	3.500in./88.9mm	Chevrolet	101109	6.000in./152.4mm	Cummins
003K	2.831in./71.9mm	Ford	101A	3.307in./84mm	Audi
003K	2.992in./76mm	Mitsubishi	103427	3.750in./95.3mm	Pontiac
003K	3.031in./77mm	Mazda	1054-1B	5.000in./127mm	Cummins
003K	3.150in./80mm	Chevrolet	106071	5.000in./127mm	Cummins
003K	3.228in./82mm	Nissan	1074	in./mm	Ford
003K	3.386in./86mm	Mitsubishi	10801280	3.622in./92mm	Triumph
003K	3.484in./88.5mm	Chevrolet	10801Z106	3.622in./92mm	Triumph
003N	2.831in./71.9mm	Ford	10846	6.000in./152.4mm	Cummins
003N	2.992in./76mm	Mitsubishi	10974	5.000in./127mm	Cummins
003N	3.031in./77mm	Mazda	10A-10247	5.000in./127mm	Minneapolis Moline
003N	3.150in./80mm	Chevrolet	10A-12751	5.000in./127mm	Minneapolis Moline
003N	3.228in./82mm	Nissan	10A-2700	5.000in./127mm	Minneapolis Moline
003N	3.386in./86mm	Mitsubishi	10A-5099	5.000in./127mm	Minneapolis Moline
003N	3.484in./88.5mm	Chevrolet	10A-6032	5.000in./127mm	Minneapolis Moline
010700	3.750in./95.3mm	Ford	11	2.598in./66mm	Toyota
010700	5.000in./127mm	Case	11	3.150in./80mm	Toyota
010700AB	3.750in./95.3mm	Ford	11-448510	2.625in./66.7mm	Ford
010700AB	5.000in./127mm	Case	11-G	3.150in./80mm	Toyota
01355011D	5.000in./127mm	Waukesha	11054	5.000in./127mm	Cummins
017	3.000in./76.2mm	Pontiac	11054-1	5.000in./127mm	Cummins
0200011	in./mm	Waukesha	11054-1	5.197in./132mm	Cummins
0200011	8.500in./215.9mm	Waukesha	11054-1B	5.000in./127mm	Cummins
020201A1	2.831in./71.9mm	Ford	11054-B	5.000in./127mm	Cummins
020201A1	2.992in./76mm	Mitsubishi	110760	5.000in./127mm	Cummins
020201A1	3.031in./77mm	Mazda	110760	6.000in./152.4mm	Cummins
020201A1	3.150in./80mm	Chevrolet	111786	5.000in./127mm	Cummins
020201A1	3.228in./82mm	Nissan	111786	6.000in./152.4mm	Cummins
020201A1	3.386in./86mm	Mitsubishi	111787	3.441in./87.4mm	Cummins
020201A1	3.484in./88.5mm	Chevrolet	111787	6.000in./152.4mm	Cummins
0290	3.313in./84.2mm	Chrysler	112330	5.000in./127mm	Cummins
0290	3.701in./94mm	Mazda	112330	5.197in./132mm	Cummins
0324	2.992in./76mm	Mazda	1130	3.250in./82.6mm	Chevrolet
035D	3.386in./86mm	Audi	1130	3.701in./94mm	Mazda
035D	3.386in./86mm	Volkswagen	1133	in./mm	Ford
0363	4.125in./104.8mm	Chevrolet	1139-A3	4.125in./104.8mm	Reo
049F	3.386in./86mm	Volkswagen	1140N	2.992in./76mm	Chevrolet
05844	6.500in./165.1mm	Allis Chalmers	116447H	4.500in./114.3mm	International
05844	6.500in./165.1mm	Buda	1173217	3.400in./86.4mm	Buick
059A	3.307in./84mm	Audi	1173341	3.400in./86.4mm	Buick
059D	3.307in./84mm	Audi	1174N	2.831in./71.9mm	Ford
064105101	3.307in./84mm	Audi	1174N	2.992in./76mm	Mitsubishi
0819	3.500in./88.9mm	Chevrolet	1174N	3.031in./77mm	Mazda
0970DAB	5.000in./127mm	Case	1174N	3.150in./80mm	Chevrolet
09N	2.831in./71.9mm	Ford	1174N	3.228in./82mm	Nissan
09N	2.992in./76mm	Mitsubishi	1174N	3.386in./86mm	Mitsubishi
09N	3.031in./77mm	Mazda	1174N	3.484in./88.5mm	Chevrolet
09N	3.150in./80mm	Chevrolet	1178	3.000in./76.2mm	Chevrolet
09N	3.228in./82mm	Nissan	1178	3.250in./82.6mm	Chevrolet
09N	3.386in./86mm	Mitsubishi	1178	3.347in./85mm	Chevrolet
09N	3.484in./88.5mm	Chevrolet	1178	3.701in./94mm	Mazda
1	2.756in./70mm	Toyota	1182	3.250in./82.6mm	Chevrolet
1-0-2340	2.638in./67mm	Nissan	1182	3.438in./87.33mm	Chevrolet
1-0-2340	2.886in./73.3mm	Nissan	1182	3.484in./88.5mm	Chevrolet
1-1	3.386in./86mm	Nissan	1182	3.504in./89mm	Chevrolet
1.9	2.831in./71.9mm	Ford	118528H	4.500in./114.3mm	International
1.9	2.992in./76mm	Mitsubishi	118528H	5.250in./133.4mm	International
1.9	3.031in./77mm	Mazda	118530H	3.750in./95.3mm	International
1.9	3.150in./80mm	Chevrolet	118530H	5.000in./127mm	International
1.9	3.228in./82mm	Nissan	118530R1	4.313in./109.6mm	International
1.9	3.386in./86mm	Mitsubishi	1185539	3.640in./92.5mm	Buick
1.9	3.484in./88.5mm	Chevrolet	1185539	4.625in./117.5mm	Chrysler
10	2.756in./70mm	Toyota	1185539	4.625in./117.5mm	Dodge
10-1	3.071in./78mm	Nissan	1186538	3.400in./86.4mm	Buick
10-B	2.831in./71.9mm	Ford	1189-A3	4.125in./104.8mm	Reo
10-B	2.992in./76mm	Mitsubishi	1193645	2.800in./71.1mm	Buick
10-B	3.031in./77mm	Mazda	11C-74	2.677in./68mm	Austin
10-B	3.150in./80mm	Chevrolet	11C-74	2.992in./76mm	Austin
10-B	3.228in./82mm	Nissan	11C-74	2.992in./76mm	MG
10-B	3.386in./86mm	Mitsubishi	11F-74-CF	3.500in./88.9mm	Austin
10-B	3.484in./88.5mm	Chevrolet	11F-74-CF	3.504in./89mm	MG



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
11F-74-CF	3.504in./89mm	Morris	1316540	4.375in./111.1mm	Chrysler
11G-74	2.677in./68mm	Austin	131850R1	5.250in./133.4mm	International
11G-74	2.992in./76mm	Austin	13241	3.071in./78mm	Nissan
11G-74	2.992in./76mm	MG	1330331F	4.000in./101.6mm	Nash
11G-74-CF	3.500in./88.9mm	Austin	133440R1	3.750in./95.3mm	International
11G-74-CF	3.504in./89mm	MG	133440R3	3.750in./95.3mm	International
11G-74-CF	3.504in./89mm	Morris	133441R1	4.313in./109.6mm	International
11M	2.831in./71.9mm	Ford	133441R3	4.313in./109.6mm	International
11M	2.992in./76mm	Chevrolet	1335001	3.625in./92.1mm	Chrysler
11M	2.992in./76mm	Mitsubishi	133894R1	4.313in./109.6mm	International
11M	3.031in./77mm	Mazda	133894R3	4.313in./109.6mm	International
11M	3.150in./80mm	Chevrolet	133894R4	4.313in./109.6mm	International
11M	3.228in./82mm	Nissan	1342999	3.200in./81.3mm	Buick
11M	3.386in./86mm	Mitsubishi	1349429	3.200in./81.3mm	Buick
11M	3.484in./88.5mm	Chevrolet	1349929	3.200in./81.3mm	Buick
11M	3.583in./91mm	Toyota	135011	5.000in./127mm	Waukesha
11M	4.180in./106.2mm	Navistar	135030	6.000in./152.4mm	Cummins
11M	6.000in./152.4mm	Cummins	135411	3.484in./88.5mm	Chevrolet
11M-14	2.992in./76mm	Chevrolet	1354N	3.484in./88.5mm	Chevrolet
11M-14	3.228in./82mm	Nissan	135580	5.000in./127mm	Cummins
11M-14	3.583in./91mm	Toyota	135580	5.197in./132mm	Cummins
11M-14	4.180in./106.2mm	Navistar	135581	5.000in./127mm	Cummins
11M-14	6.000in./152.4mm	Cummins	135581	5.197in./132mm	Cummins
12	3.150in./80mm	Toyota	1357898	3.400in./86.4mm	Buick
121610	6.000in./152.4mm	Cummins	1357899	3.400in./86.4mm	Buick
12231	3.578in./90.8mm	General Motors	1361798	3.640in./92.5mm	Buick
1224-A3	4.125in./104.8mm	Reo	136530	6.000in./152.4mm	Cummins
123011G	6.500in./165.1mm	Waukesha	1375802	3.385in./86mm	Oldsmobile
123011GSA	6.500in./165.1mm	Waukesha	1375802	3.531in./89.7mm	Chevrolet
123011T	6.500in./165.1mm	Waukesha	1375809	3.850in./97.8mm	Buick
123011U	6.500in./165.1mm	Waukesha	1378346	3.850in./97.8mm	Buick
123380	6.000in./152.4mm	Cummins	1378350	3.400in./86.4mm	Buick
123400	6.000in./152.4mm	Cummins	1378351	3.400in./86.4mm	Buick
123410	5.000in./127mm	Cummins	1378354	3.400in./86.4mm	Buick
123410	6.000in./152.4mm	Cummins	1378436	3.850in./97.8mm	Buick
123420	6.000in./152.4mm	Cummins	1379242	3.900in./99mm	Buick
123441R3	4.313in./109.6mm	International	1396294	3.640in./92.5mm	Buick
1235413	3.160in./80.3mm	Buick	1398346	3.385in./86mm	Oldsmobile
1235419	3.385in./86mm	Oldsmobile	1398346	3.531in./89.7mm	Chevrolet
1235419	3.531in./89.7mm	Chevrolet	1400188	4.750in./120.7mm	Chrysler
1235419	3.850in./97.8mm	Buick	1400188	in./mm	Chrysler
125211-A	6.500in./165.1mm	Waukesha	140025D	4.250in./108mm	Hercules
125211-D	6.500in./165.1mm	Waukesha	140025D	4.500in./114.3mm	Hercules
1252126	2.795in./71mm	BMW	140026D	4.250in./108mm	Hercules
1252126	3.150in./80mm	BMW	1400718	4.750in./120.7mm	Chrysler
1254083	3.400in./86.4mm	Buick	1400718	in./mm	Chrysler
12552216	3.622in./92mm	Chevrolet	140111-B	5.500in./139.7mm	Waukesha
12553482	3.268in./83mm	Chevrolet	140111-C	5.500in./139.7mm	Waukesha
12553482	3.622in./92mm	Chevrolet	140111-J	5.500in./139.7mm	Waukesha
1255645	3.400in./86.4mm	Buick	14018705	2.913in./74mm	Chevrolet
1255646	3.400in./86.4mm	Buick	14024236	3.819in./97mm	Chevrolet
1255674	3.400in./86.4mm	Buick	1402538	3.250in./82.6mm	Chrysler
1255846	3.400in./86.4mm	Buick	1402625	3.250in./82.6mm	Chrysler
1255862	3.400in./86.4mm	Buick	140311	5.500in./139.7mm	Waukesha
1257125	3.400in./86.4mm	Buick	1409421	3.625in./92.1mm	Chrysler
125932R1	4.500in./114.3mm	International	14096	3.600in./91.4mm	Chevrolet
1260718	3.850in./97.8mm	Buick	140N	2.992in./76mm	Chevrolet
1260877	3.400in./86.4mm	Buick	140N	3.228in./82mm	Nissan
1261119	3.850in./97.8mm	Buick	140N	3.583in./91mm	Toyota
1261438	3.400in./86.4mm	Buick	140N	4.180in./106.2mm	Navistar
1261787	3.400in./86.4mm	Buick	140N	6.000in./152.4mm	Cummins
1282-1	6.000in./152.4mm	Cummins	141779R1	4.125in./104.8mm	International
1285-1	6.000in./152.4mm	Cummins	141780R1	4.125in./104.8mm	International
129532R1	4.500in./114.3mm	International	1419421	3.625in./92.1mm	Chrysler
130186	5.000in./127mm	Cummins	142690	4.125in./104.8mm	Cummins
130186	6.000in./152.4mm	Cummins	142770	6.000in./152.4mm	Cummins
13111-03010-D	2.992in./76mm	Chevrolet	142960	6.000in./152.4mm	Cummins
13111-03010-D	3.228in./82mm	Nissan	143	3.484in./88.5mm	Chevrolet
13111-03010-D	3.583in./91mm	Toyota	143140	6.000in./152.4mm	Cummins
13111-03010-D	4.180in./106.2mm	Navistar	14401G	6.000in./152.4mm	Cummins
13111-03010-D	6.000in./152.4mm	Cummins	145480	4.125in./104.8mm	Cummins
131440R3	3.750in./95.3mm	International	1455101	3.625in./92.1mm	Cadillac



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
145830	4.125in./104.8mm	Cummins	1671108	3.250in./82.6mm	Chrysler
145840	4.125in./104.8mm	Cummins	1673755	3.906in./99.2mm	Chrysler
1462473	3.625in./92.1mm	Cadillac	17	2.756in./70mm	Toyota
1463340	3.625in./92.1mm	Cadillac	1731658	3.250in./82.6mm	Chrysler
1463473	3.625in./92.1mm	Cadillac	1732557	3.125in./79.4mm	Chrysler
146450	5.000in./127mm	Cummins	1732557	3.313in./84.2mm	Chrysler
146460	6.000in./152.4mm	Cummins	1732557	3.313in./84.2mm	Dodge
1467292	4.060in./103.1mm	Cadillac	1732559	3.313in./84.2mm	Chrysler
1467925	3.875in./98.4mm	Cadillac	1732559	3.313in./84.2mm	Dodge
1469263	3.875in./98.4mm	Cadillac	1732610	3.313in./84.2mm	Chrysler
1469265	3.875in./98.4mm	Cadillac	1732610	3.313in./84.2mm	Dodge
147	3.484in./88.5mm	Chevrolet	1736044	3.800in./96.5mm	Chrysler
1477634	3.875in./98.4mm	Cadillac	1737641	3.375in./85.7mm	Chrysler
1481021	4.000in./101.6mm	Cadillac	1737642	3.375in./85.7mm	Chrysler
1481267	4.000in./101.6mm	Cadillac	1737642	3.750in./95.3mm	Chrysler
1483338	3.250in./82.6mm	Chrysler	1737642	4.188in./106.4mm	Chrysler
148350	4.125in./104.8mm	Cummins	1739538	3.800in./96.5mm	Chrysler
1486340	4.000in./101.6mm	Cadillac	1739589	4.625in./117.5mm	Chrysler
1486424	4.060in./103.1mm	Cadillac	1739589	4.625in./117.5mm	Dodge
1488340	4.000in./101.6mm	Cadillac	1746N	2.992in./76mm	Triumph
1491421	3.625in./92.1mm	Chrysler	1746N	3.071in./78mm	Triumph
1495094	4.300in./109.2mm	Cadillac	176524	4.000in./101.6mm	Studebaker
1495095	4.300in./109.2mm	Cadillac	176H	2.992in./76mm	Chevrolet
1496793	4.300in./109.2mm	Cadillac	176H	3.228in./82mm	Nissan
151045R1	3.219in./81.8mm	International	176H	3.583in./91mm	Toyota
151046R1	3.219in./81.8mm	International	176H	4.180in./106.2mm	Navistar
151046R2	3.219in./81.8mm	International	176H	6.000in./152.4mm	Cummins
151327R1	2.750in./69.9mm	Briggs & Stratton	1784YD	4.500in./114.3mm	International
151327R1	3.656in./92.9mm	International	1784YF	4.125in./104.8mm	International
151327R2	2.750in./69.9mm	Briggs & Stratton	1784YG	4.125in./104.8mm	International
151327R2	3.656in./92.9mm	International	1784YH	4.125in./104.8mm	International
151328R2	2.750in./69.9mm	Briggs & Stratton	1784YK	4.125in./104.8mm	International
151328R2	3.656in./92.9mm	International	1784YM	4.125in./104.8mm	International
1523335	3.625in./92.1mm	Chrysler	1784YP	4.125in./104.8mm	International
1547105	4.000in./101.6mm	Studebaker	1792-A3	4.125in./104.8mm	Reo
155025E	4.250in./108mm	Hercules	1792-A3	4.250in./108mm	Reo
155026E	4.250in./108mm	Hercules	1792-A3	4.703in./119.5mm	Reo
1550774	4.000in./101.6mm	Studebaker	1792-A3	in./mm	Reo
1557708	4.625in./117.5mm	Chrysler	179440	4.125in./104.8mm	Cummins
1557708	4.625in./117.5mm	Dodge	179450	4.125in./104.8mm	Cummins
156025E	4.250in./108mm	Hercules	17M	2.992in./76mm	Chevrolet
156290	5.000in./127mm	Cummins	17M	3.228in./82mm	Nissan
156920	4.125in./104.8mm	Cummins	17M	3.583in./91mm	Toyota
158370	4.125in./104.8mm	Cummins	17M	4.180in./106.2mm	Navistar
159620	4.125in./104.8mm	Cummins	17M	6.000in./152.4mm	Cummins
160211	3.500in./88.9mm	Waukesha	18-1	3.071in./78mm	Nissan
1609142R	4.060in./103.1mm	Cadillac	1802224C92	2.992in./76mm	Chevrolet
161360	4.125in./104.8mm	Cummins	1802224C92	3.228in./82mm	Nissan
1617184	3.625in./92.1mm	Chrysler	1802224C92	3.583in./91mm	Toyota
1617590	3.307in./84mm	Cadillac	1802224C92	4.180in./106.2mm	Navistar
161960	4.125in./104.8mm	Cummins	1802224C92	6.000in./152.4mm	Cummins
1619647	3.625in./92.1mm	Chrysler	1802224C93	2.992in./76mm	Chevrolet
162168	6.000in./152.4mm	Cummins	1802224C93	3.228in./82mm	Nissan
162186	6.000in./152.4mm	Cummins	1802224C93	3.583in./91mm	Toyota
162187	6.000in./152.4mm	Cummins	1802224C93	4.180in./106.2mm	Navistar
1626123	3.313in./84.2mm	Chrysler	1802224C93	6.000in./152.4mm	Cummins
1626123	3.313in./84.2mm	Dodge	1803420C1	2.992in./76mm	Chevrolet
1629091	3.307in./84mm	Cadillac	1803420C1	3.228in./82mm	Nissan
162C-500	3.500in./88.9mm	Continental	1803420C1	3.583in./91mm	Toyota
1630270	3.313in./84.2mm	Chrysler	1803420C1	4.180in./106.2mm	Navistar
1630270	3.313in./84.2mm	Dodge	1803420C1	6.000in./152.4mm	Cummins
1630276	3.313in./84.2mm	Chrysler	1805420C1	2.992in./76mm	Chevrolet
1630276	3.313in./84.2mm	Dodge	1805420C1	3.000in./76.2mm	Ford
1630432	3.800in./96.5mm	Chrysler	1805420C1	3.031in./77mm	Toyota
1630937	3.125in./79.4mm	Chrysler	1805420C1	3.228in./82mm	Isuzu
1632077	3.125in./79.4mm	Chrysler	1805420C1	3.228in./82mm	Nissan
1635690	3.625in./92.1mm	Chrysler	1805420C1	3.583in./91mm	Toyota
1635690	3.800in./96.5mm	Chrysler	1805420C1	3.622in./92mm	Chrysler
1646737	3.307in./84mm	Cadillac	1805420C1	3.906in./99.2mm	Ford
1650270	3.313in./84.2mm	Chrysler	1805420C1	4.000in./101.6mm	Chevrolet
1650270	3.313in./84.2mm	Dodge	1805420C1	4.180in./106.2mm	Navistar
166088R1	4.125in./104.8mm	International	1805420C1	5.085in./129.2mm	International



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
1805420C1	5.350in./135.9mm	International	189986	4.000in./101.6mm	Studebaker
1805420C1	6.000in./152.4mm	Cummins	190111	4.000in./101.6mm	Waukesha
180590	3.625in./92.1mm	Studebaker	190211	4.000in./101.6mm	Waukesha
180590	4.000in./101.6mm	General Motors	191211	4.000in./101.6mm	Waukesha
1809954C1	3.000in./76.2mm	Ford	191311	4.000in./101.6mm	Waukesha
1809954C1	3.031in./77mm	Toyota	192211B	3.750in./95.3mm	Waukesha
1809954C1	3.228in./82mm	Isuzu	192211B	4.000in./101.6mm	Waukesha
1809954C1	3.622in./92mm	Chrysler	1932610	3.250in./82.6mm	Chrysler
1809954C1	3.906in./99.2mm	Ford	195111	4.000in./101.6mm	Studebaker
1809954C1	4.000in./101.6mm	Chevrolet	195111	4.000in./101.6mm	Waukesha
1809954C1	4.180in./106.2mm	Navistar	195311	3.750in./95.3mm	Waukesha
1809954C1	5.085in./129.2mm	International	195311	4.000in./101.6mm	Waukesha
1809954C1	5.350in./135.9mm	International	1978698	3.375in./85.7mm	Chrysler
181211	3.750in./95.3mm	Waukesha	1978698	3.750in./95.3mm	Chrysler
1812320C91	3.000in./76.2mm	Ford	1978698	4.188in./106.4mm	Chrysler
1812320C91	3.031in./77mm	Toyota	199966	4.000in./101.6mm	Studebaker
1812320C91	3.228in./82mm	Isuzu	19N	2.992in./76mm	Mitsubishi
1812320C91	3.622in./92mm	Chrysler	1A	3.000in./76.2mm	Ford
1812320C91	3.906in./99.2mm	Ford	1A	3.228in./82mm	Isuzu
1812320C91	4.000in./101.6mm	Chevrolet	1A	3.622in./92mm	Chrysler
1812320C91	4.180in./106.2mm	Navistar	1A	3.906in./99.2mm	Ford
1812320C91	5.085in./129.2mm	International	1A	4.000in./101.6mm	Chevrolet
1812320C91	5.350in./135.9mm	International	1A	4.180in./106.2mm	Navistar
181411	3.750in./95.3mm	Waukesha	1A	5.085in./129.2mm	International
181411-A	3.750in./95.3mm	Waukesha	1A	5.350in./135.9mm	International
1816975C1	3.000in./76.2mm	Ford	1AA	3.000in./76.2mm	Ford
1816975C1	3.031in./77mm	Toyota	1AA	3.031in./77mm	Toyota
1816975C1	3.228in./82mm	Isuzu	1AA	3.228in./82mm	Isuzu
1816975C1	3.622in./92mm	Chrysler	1AA	3.622in./92mm	Chrysler
1816975C1	3.906in./99.2mm	Ford	1AA	3.906in./99.2mm	Ford
1816975C1	4.000in./101.6mm	Chevrolet	1AA	4.000in./101.6mm	Chevrolet
1816975C1	4.180in./106.2mm	Navistar	1AA	4.180in./106.2mm	Navistar
1816975C1	5.085in./129.2mm	International	1AA	5.085in./129.2mm	International
1816975C1	5.350in./135.9mm	International	1AA	5.350in./135.9mm	International
1818200C3	4.180in./106.2mm	International	1B	3.150in./80mm	Toyota
182111	3.750in./95.3mm	Waukesha	1BA	3.750in./95.3mm	Ford
1821436	3.375in./85.7mm	Chrysler	1BA-6303-A	3.750in./95.3mm	Ford
1821436	3.750in./95.3mm	Chrysler	1BA-6303-B	3.750in./95.3mm	Ford
1821436	4.188in./106.4mm	Chrysler	1D	3.125in./79.4mm	Ford
182240	4.125in./104.8mm	Cummins	1F	2.500in./63.5mm	Ford
182250	4.125in./104.8mm	Cummins	1F	2.938in./74.6mm	Ford
1826123	3.313in./84.2mm	Chrysler	1F	3.125in./79.4mm	Ford
1826123	3.313in./84.2mm	Dodge	1G	2.500in./63.5mm	Ford
1826129	3.313in./84.2mm	Chrysler	1G	2.938in./74.6mm	Ford
1826129	3.313in./84.2mm	Dodge	1G	3.125in./79.4mm	Ford
1830276	3.313in./84.2mm	Chrysler	1G5B	2.992in./76mm	Triumph
1830276	3.313in./84.2mm	Dodge	1G5B	3.071in./78mm	Triumph
185111	3.750in./95.3mm	Waukesha	1H	2.500in./63.5mm	Ford
1851436	3.375in./85.7mm	Chrysler	1H	2.938in./74.6mm	Ford
1851436	3.750in./95.3mm	Chrysler	1H	3.125in./79.4mm	Ford
1851436	4.188in./106.4mm	Chrysler	1HA	2.500in./63.5mm	Ford
1851527	3.375in./85.7mm	Chrysler	1HA	2.938in./74.6mm	Ford
1851527	3.750in./95.3mm	Chrysler	1HA	3.125in./79.4mm	Ford
1851527	4.188in./106.4mm	Chrysler	1J	3.000in./76.2mm	Ford
1855127	3.375in./85.7mm	Chrysler	1K	3.500in./88.9mm	Ford
1855127	3.750in./95.3mm	Chrysler	1KA	3.500in./88.9mm	Ford
1855127	4.188in./106.4mm	Chrysler	1L	3.188in./80.98mm	Ford
186211	3.750in./95.3mm	Waukesha	1L	3.980in./101.1mm	Ford
186211-A	3.750in./95.3mm	Waukesha	1LA	3.188in./80.98mm	Ford
186311	3.750in./95.3mm	Waukesha	1LA	3.980in./101.1mm	Ford
186433	4.000in./101.6mm	Studebaker	1LAB	3.188in./80.98mm	Ford
187111	3.750in./95.3mm	Waukesha	1LAB	3.980in./101.1mm	Ford
188A	3.000in./76.2mm	Ford	1M	2.870in./72.9mm	Ford
188A	3.031in./77mm	Toyota	1M	2.953in./75mm	BMW
188A	3.228in./82mm	Isuzu	1M	3.000in./76.2mm	Ford
188A	3.622in./92mm	Chrysler	1MA	2.870in./72.9mm	Ford
188A	3.906in./99.2mm	Ford	1MA	2.953in./75mm	BMW
188A	4.000in./101.6mm	Chevrolet	1MA	3.000in./76.2mm	Ford
188A	4.180in./106.2mm	Navistar	1N	3.188in./80.98mm	Ford
188A	5.085in./129.2mm	International	1N	3.980in./101.1mm	Ford
188A	5.350in./135.9mm	International	1NA	3.188in./80.98mm	Ford
189517	4.000in./101.6mm	Studebaker	1NA	3.980in./101.1mm	Ford



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
1NAB	3.188in./80.98mm	Ford	2205700	3.313in./84.2mm	Chrysler
1NAB	3.980in./101.1mm	Ford	2205700	3.313in./84.2mm	Dodge
1NABC	3.188in./80.98mm	Ford	2205702	3.313in./84.2mm	Chrysler
1NABC	3.980in./101.1mm	Ford	2205702	3.313in./84.2mm	Dodge
1P	3.386in./86mm	Ford	2206157	3.375in./85.7mm	Chrysler
1U	3.984in./101.2mm	Ford	2206157	3.750in./95.3mm	Chrysler
1UA	3.984in./101.2mm	Ford	2206157	4.188in./106.4mm	Chrysler
1UB	3.984in./101.2mm	Ford	2206158	3.375in./85.7mm	Chrysler
1V	3.000in./76.2mm	Ford	2206158	3.750in./95.3mm	Chrysler
1V	3.590in./91.2mm	Ford	2206158	4.188in./106.4mm	Chrysler
1VA	3.000in./76.2mm	Ford	2206159	3.375in./85.7mm	Chrysler
1VA	3.590in./91.2mm	Ford	2206160	3.375in./85.7mm	Chrysler
1VAB	3.000in./76.2mm	Ford	2206160	3.750in./95.3mm	Chrysler
1VAB	3.590in./91.2mm	Ford	2206160	4.188in./106.4mm	Chrysler
1W-5008	6.000in./152.4mm	Caterpillar	220825E	4.250in./108mm	Hercules
1W-6208	6.000in./152.4mm	Caterpillar	2253120	3.346in./85mm	Oldsmobile
1W-6209	6.000in./152.4mm	Caterpillar	2258393	3.313in./84.2mm	Chrysler
1W-9771	5.000in./127mm	Caterpillar	2258393	3.313in./84.2mm	Dodge
1YAB	3.000in./76.2mm	Ford	2258613	4.125in./104.8mm	Chrysler
1YAB	3.590in./91.2mm	Ford	2263611	3.125in./79.4mm	Chrysler
1Z	3.150in./80mm	Toyota	2264182	3.313in./84.2mm	Chrysler
2	2.598in./66mm	Toyota	2264182	3.313in./84.2mm	Dodge
2 MAE	3.000in./76.2mm	Ford	2264478	3.125in./79.4mm	Chrysler
2 MAE	3.031in./77mm	Toyota	2264478	4.125in./104.8mm	Chrysler
2 MAE	3.228in./82mm	Isuzu	2264479	4.125in./104.8mm	Chrysler
2 MAE	3.622in./92mm	Chrysler	226535	4.500in./114.3mm	Allis Chalmers
2 MAE	3.906in./99.2mm	Ford	2268613	4.125in./104.8mm	Chrysler
2 MAE	4.000in./101.6mm	Chevrolet	227550	3.875in./98.4mm	Allis Chalmers
2 MAE	4.180in./106.2mm	Navistar	229022	4.500in./114.3mm	Allis Chalmers
2 MAE	5.085in./129.2mm	International	22H1954-A	3.504in./89mm	Austin
2 MAE	5.350in./135.9mm	International	22H1954-A	3.504in./89mm	MG
2-71	5.000in./127mm	Detroit Diesel	230276	3.385in./86mm	Oldsmobile
2006157	3.750in./95.3mm	Chrysler	230276	3.531in./89.7mm	Chevrolet
20068R2	5.500in./139.7mm	International	230277	3.400in./86.4mm	Buick
201-0-132	3.071in./78mm	Nissan	230278	3.400in./86.4mm	Buick
202B	3.000in./76.2mm	Ford	230331	4.250in./108mm	Oldsmobile
202B	3.031in./77mm	Toyota	230376	3.100in./78.7mm	Chevrolet
202B	3.228in./82mm	Isuzu	230376	3.385in./86mm	Oldsmobile
202B	3.622in./92mm	Chrysler	230376	3.531in./89.7mm	Chevrolet
202B	3.906in./99.2mm	Ford	230377	4.250in./108mm	Oldsmobile
202B	4.000in./101.6mm	Chevrolet	230378	3.400in./86.4mm	Buick
202B	4.180in./106.2mm	Navistar	230378	4.250in./108mm	Oldsmobile
202B	5.085in./129.2mm	International	23040	2.638in./67mm	Nissan
202B	5.350in./135.9mm	International	23040	2.886in./73.3mm	Nissan
206638	3.500in./88.9mm	Allis Chalmers	23041	2.638in./67mm	Nissan
207145	3.500in./88.9mm	Allis Chalmers	230905	3.385in./86mm	Oldsmobile
2090911	4.000in./101.6mm	General Motors	230905	3.531in./89.7mm	Chevrolet
209229	3.980in./101.1mm	Continental	230907	4.250in./108mm	Oldsmobile
209229	4.375in./111.1mm	Continental	230908	4.250in./108mm	Oldsmobile
210008832	3.540in./89.9mm	Saturn	2340	2.886in./73.3mm	Nissan
2121654	3.125in./79.4mm	Chrysler	2342204	4.000in./101.6mm	General Motors
2128278	3.313in./84.2mm	Chrysler	2342664	4.000in./101.6mm	General Motors
2128278	3.313in./84.2mm	Dodge	2362229	4.000in./101.6mm	General Motors
2128492	4.125in./104.8mm	Chrysler	2364417	3.578in./90.8mm	General Motors
2128869	3.313in./84.2mm	Chrysler	2366209	3.578in./90.8mm	General Motors
2128869	3.313in./84.2mm	Dodge	2366210	3.578in./90.8mm	General Motors
213352	3.500in./88.9mm	Allis Chalmers	2367417	3.578in./90.8mm	General Motors
213353	4.500in./114.3mm	Allis Chalmers	2404929	4.000in./101.6mm	General Motors
2135416	4.000in./101.6mm	General Motors	2419583	3.859in./98mm	General Motors
2136119	4.000in./101.6mm	General Motors	242880R91	3.750in./95.3mm	International
2144958	3.813in./96.9mm	General Motors	242881R91	3.750in./95.3mm	International
2191127	3.813in./96.9mm	General Motors	242882R91	4.313in./109.6mm	International
2192941	4.000in./101.6mm	General Motors	24504	4.000in./101.6mm	Waukesha
2194012	4.000in./101.6mm	General Motors	2454001	3.578in./90.8mm	General Motors
2194570	4.000in./101.6mm	General Motors	2454017	3.578in./90.8mm	General Motors
2194958	4.000in./101.6mm	General Motors	2454066	3.859in./98mm	General Motors
22-0	2.638in./67mm	Nissan	2454191	3.578in./90.8mm	General Motors
2202250	4.250in./108mm	Hercules	2454192	3.578in./90.8mm	General Motors
2203155	3.375in./85.7mm	Chrysler	2463548	3.750in./95.3mm	Chrysler
2203157	3.375in./85.7mm	Chrysler	2465747	3.313in./84.2mm	Chrysler
220426C	4.500in./114.3mm	Hercules	2465747	3.313in./84.2mm	Dodge
2205554	4.125in./104.8mm	Chrysler	2475494	3.578in./90.8mm	General Motors



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
2475793	3.578in./90.8mm	General Motors	285026E	4.500in./114.3mm	Hercules
2475794	3.578in./90.8mm	General Motors	285360E	4.500in./114.3mm	Hercules
2475795	3.578in./90.8mm	General Motors	285360F	4.500in./114.3mm	Hercules
2475796	3.578in./90.8mm	General Motors	2867417	3.578in./90.8mm	General Motors
2482923	3.375in./85.7mm	Chrysler	289878C91	3.750in./95.3mm	International
24895D	6.500in./165.1mm	International	2951265	3.641in./92.5mm	Chrysler
24895DD	6.500in./165.1mm	International	2951979	3.641in./92.5mm	Chrysler
2491012	4.000in./101.6mm	General Motors	2954265	3.641in./92.5mm	Chrysler
25	2.756in./70mm	Toyota	296733C91	4.313in./109.6mm	International
250026F	4.500in./114.3mm	Hercules	29A	3.750in./95.3mm	Ford
251264R1	2.750in./69.9mm	International	29A-6303A	3.750in./95.3mm	Ford
252576R1	5.500in./139.7mm	International	29B	3.750in./95.3mm	Ford
252576R2	5.500in./139.7mm	International	29B-6303B	3.750in./95.3mm	Ford
2532457	3.313in./84.2mm	Chrysler	2A-717-A	2.677in./68mm	Austin
2543935	4.125in./104.8mm	Chrysler	2A-717-A	2.992in./76mm	Austin
25500	3.386in./86mm	Nissan	2A-717-A	2.992in./76mm	MG
255029	4.250in./108mm	Hercules	2A-829	2.677in./68mm	Austin
25505554	3.400in./86.4mm	Buick	2A-829	2.992in./76mm	Austin
25506397	3.400in./86.4mm	Buick	2A-829	2.992in./76mm	MG
25506818	3.400in./86.4mm	Buick	2B-6488	8.000in./203.2mm	Caterpillar
25509404	3.400in./86.4mm	Buick	2BA	3.750in./95.3mm	Ford
25514290	3.400in./86.4mm	Buick	2D	3.125in./79.4mm	Ford
25520329	3.400in./86.4mm	Buick	2H	3.906in./99.2mm	Ford
2558393	3.313in./84.2mm	Chrysler	2H-862	8.000in./203.2mm	Caterpillar
256025E	4.500in./114.3mm	Hercules	2H-A	3.000in./76.2mm	Ford
256026E	4.500in./114.3mm	Hercules	2H-A	3.750in./95.3mm	Ford Tractor
2566209	3.578in./90.8mm	General Motors	2H-A	3.906in./99.2mm	Ford
2593	in./mm	Ford	2H-A	3.980in./101.1mm	Ford
26	2.598in./66mm	Toyota	2HA	3.906in./99.2mm	Ford
260068R1	5.500in./139.7mm	International	2HAB	3.906in./99.2mm	Ford
260068R2	5.500in./139.7mm	International	2J	3.000in./76.2mm	Ford
260693R1	5.500in./139.7mm	International	2J	3.750in./95.3mm	Ford Tractor
260693R2	5.500in./139.7mm	International	2J	3.906in./99.2mm	Ford
260693R3	5.500in./139.7mm	International	2J	3.980in./101.1mm	Ford
260749R1	5.500in./139.7mm	International	2M	3.000in./76.2mm	Ford
260749R2	5.500in./139.7mm	International	2M	3.346in./85mm	Toyota
261025E	4.500in./114.3mm	Hercules	2M-5170	5.500in./139.7mm	Caterpillar
261265R1	5.250in./133.4mm	International	2M-5170	6.000in./152.4mm	Caterpillar
261265R41	5.250in./133.4mm	International	2MA	3.000in./76.2mm	Ford
263126R1	6.500in./165.1mm	International	2MAB	3.000in./76.2mm	Ford
263126R2	6.500in./165.1mm	International	2MAC	3.000in./76.2mm	Ford
264	2.992in./76mm	Chevrolet	2MAD	3.000in./76.2mm	Ford
2656278	3.313in./84.2mm	Chrysler	2MAE	3.000in./76.2mm	Ford
2658268	3.313in./84.2mm	Chrysler	2MAE	3.031in./77mm	Toyota
2658268	3.313in./84.2mm	Dodge	2MAE	3.228in./82mm	Isuzu
2658278	3.313in./84.2mm	Chrysler	2MAE	3.622in./92mm	Chrysler
2658278	3.313in./84.2mm	Dodge	2MAE	3.906in./99.2mm	Ford
2658393	3.313in./84.2mm	Chrysler	2MAE	4.000in./101.6mm	Chevrolet
2658998	4.125in./104.8mm	Chrysler	2MAE	4.180in./106.2mm	Navistar
2670	3.150in./80mm	Pontiac	2MAE	5.085in./129.2mm	International
267267R1	4.391in./111.5mm	International	2MAE	5.350in./135.9mm	International
2680	3.250in./82.6mm	Chevrolet	2MG2	3.346in./85mm	Toyota
2680	3.701in./94mm	Mazda	2N	3.000in./76.2mm	Ford
2690	3.438in./87.33mm	Chevrolet	2N	3.750in./95.3mm	Ford Tractor
2690	3.484in./88.5mm	Chevrolet	2N	3.906in./99.2mm	Ford
2690	3.504in./89mm	Chevrolet	2N	3.980in./101.1mm	Ford
27-G	3.150in./80mm	Toyota	2NA	3.000in./76.2mm	Ford
2732E	2.100in./53.3mm	Ford	2NA	3.750in./95.3mm	Ford Tractor
2737E	2.100in./53.3mm	Ford	2NA	3.906in./99.2mm	Ford
275	2.660in./67.6mm	Buick	2NA	3.980in./101.1mm	Ford
275606R1	5.500in./139.7mm	International	2NAB	3.000in./76.2mm	Ford
275708R92	5.500in./139.7mm	International	2NAB	3.750in./95.3mm	Ford Tractor
277100R11	6.000in./152.4mm	International	2NAB	3.906in./99.2mm	Ford
2774220	4.125in./104.8mm	Chevrolet	2NAB	3.980in./101.1mm	Ford
2774220N	4.125in./104.8mm	Chevrolet	2NABC	3.000in./76.2mm	Ford
2780513	3.750in./95.3mm	Chrysler	2NABC	3.150in./80mm	Chevrolet
2780533	3.750in./95.3mm	Chrysler	2NABC	3.250in./82.6mm	Chevrolet
2843868	3.313in./84.2mm	Chrysler	2NABC	3.386in./86mm	Mitsubishi
2843868	3.313in./84.2mm	Dodge	2NABC	3.465in./88mm	Nissan
2843935	4.125in./104.8mm	Chrysler	2NABC	3.750in./95.3mm	Ford Tractor
2843939	3.125in./79.4mm	Chrysler	2NABC	3.780in./96mm	Nissan
2843963	4.125in./104.8mm	Chrysler	2NABC	3.850in./97.8mm	Ford



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
2NABC	3.906in./99.2mm	Ford	31315952	5.000in./127mm	Perkins
2NABC	3.980in./101.1mm	Ford	31315971	5.000in./127mm	Perkins
2NABC	4.125in./104.8mm	Chevrolet	31316323	5.000in./127mm	Perkins
2T	3.500in./88.9mm	Ford	31316324	5.000in./127mm	Perkins
2TA	3.500in./88.9mm	Ford	31316325	5.000in./127mm	Perkins
2U	3.781in./96mm	Ford	31322302	5.000in./127mm	Perkins
2UA	3.781in./96mm	Ford	31322302	5.276in./134mm	Perkins
2Y	3.850in./97.8mm	Ford	3132302	5.000in./127mm	Perkins
2Y68-76	3.150in./80mm	Chevrolet	3132302	5.276in./134mm	Perkins
2Y68-76	3.250in./82.6mm	Chevrolet	3134294	4.250in./108mm	American Motors
2Y68-76	3.386in./86mm	Mitsubishi	3134294F	4.250in./108mm	American Motors
2Y68-76	3.465in./88mm	Nissan	3141	2.913in./74mm	Nissan
2Y68-76	3.780in./96mm	Nissan	3144388	3.250in./82.6mm	American Motors
2Y68-76	3.850in./97.8mm	Ford	3144388	3.250in./82.6mm	Jeep
2Y68-76	3.980in./101.1mm	Ford	315712R3	4.391in./111.5mm	International
2Y68-76	4.125in./104.8mm	Chevrolet	3159292	3.438in./87.3mm	American Motors
2YA	3.850in./97.8mm	Ford	3159292	3.438in./87.33mm	American Motors
2YAB	3.850in./97.8mm	Ford	3159614	4.250in./108mm	American Motors
2YABC	3.850in./97.8mm	Ford	3159614F	4.250in./108mm	American Motors
3-71	5.000in./127mm	Detroit Diesel	3160033	4.250in./108mm	American Motors
301015	3.622in./92mm	Triumph	3160035	3.250in./82.6mm	Studebaker
301431	3.622in./92mm	Triumph	3160035	3.500in./88.9mm	American Motors
3027931	5.354in./136mm	Cummins	3160035	4.250in./108mm	American Motors
303034	2.992in./76mm	Triumph	3160110	3.750in./95.3mm	Nash
303034	3.071in./78mm	Triumph	3160110	4.250in./108mm	American Motors
305	3.268in./83mm	Mazda	3162394	4.250in./108mm	American Motors
306275	3.438in./87.33mm	Chevrolet	3162394F	4.250in./108mm	American Motors
306275	3.484in./88.5mm	Chevrolet	3165562	4.250in./108mm	American Motors
306275	3.504in./89mm	Chevrolet	3165562F	4.250in./108mm	American Motors
306276	3.438in./87.33mm	Chevrolet	3169034	3.250in./82.6mm	Studebaker
306276	3.484in./88.5mm	Chevrolet	3169034	3.500in./88.9mm	American Motors
306276	3.504in./89mm	Chevrolet	3169034	4.250in./108mm	American Motors
3064291	6.000in./152.4mm	Cummins	3169035F	4.250in./108mm	American Motors
308397R31	3.875in./98.4mm	International	3172216	3.000in./76.2mm	American Motors
30R	3.150in./80mm	Chevrolet	3172218	3.250in./82.6mm	Studebaker
30R	3.250in./82.6mm	Chevrolet	3172218	3.500in./88.9mm	American Motors
30R	3.386in./86mm	Mitsubishi	3172218R	3.250in./82.6mm	Studebaker
30R	3.465in./88mm	Nissan	3172218R	3.500in./88.9mm	American Motors
30R	3.780in./96mm	Nissan	317268G1	3.656in./92.9mm	International
30R	3.850in./97.8mm	Ford	3172697	4.250in./108mm	American Motors
30R	3.980in./101.1mm	Ford	3173429	3.000in./76.2mm	American Motors
30R	4.125in./104.8mm	Chevrolet	3178451C	3.438in./87.3mm	American Motors
31-87	3.150in./80mm	Chevrolet	3178451C	3.438in./87.33mm	American Motors
31-87	3.250in./82.6mm	Chevrolet	318175R11	6.500in./165.1mm	International
31-87	3.386in./86mm	Mitsubishi	318264R1	3.875in./98.4mm	International
31-87	3.465in./88mm	Nissan	3188945	3.250in./82.6mm	Studebaker
31-87	3.780in./96mm	Nissan	3188945	3.500in./88.9mm	American Motors
31-87	3.850in./97.8mm	Ford	3188947	3.250in./82.6mm	Studebaker
31-87	3.980in./101.1mm	Ford	3188947	3.500in./88.9mm	American Motors
31-87	4.125in./104.8mm	Chevrolet	3190079	3.680in./93.5mm	American Motors
310372	3.600in./91.4mm	Ford Tractor	3190079	3.680in./93.5mm	International
310372	4.375in./111.1mm		3190792	3.680in./93.5mm	American Motors
310514	3.438in./87.33mm	Chevrolet	3190792	3.680in./93.5mm	International
310514	3.484in./88.5mm	Chevrolet	3190792F	3.680in./93.5mm	American Motors
310514	3.504in./89mm	Chevrolet	3190793	3.680in./93.5mm	American Motors
310772	3.600in./91.4mm	Ford	3190793	3.680in./93.5mm	International
310772	3.600in./91.4mm	Ford Tractor	3190797	3.680in./93.5mm	American Motors
311406	3.465in./88mm	MG	3190797	3.680in./93.5mm	International
3124294F	4.250in./108mm	American Motors	3190798	3.680in./93.5mm	American Motors
3124725	3.680in./93.5mm	International	3190798	3.680in./93.5mm	International
3125974	3.750in./95.3mm	Nash	3193816	3.281in./83.34mm	American Motors
3125974	4.250in./108mm	American Motors	3193816	3.438in./87.3mm	American Motors
3127261	4.000in./101.6mm	Nash	3193816	3.438in./87.33mm	American Motors
3127501F	3.750in./95.3mm	Nash	3195292	3.438in./87.3mm	American Motors
3127501F	4.250in./108mm	American Motors	3195292	3.438in./87.33mm	American Motors
3130331F	3.750in./95.3mm	Nash	3196921	3.680in./93.5mm	American Motors
313033F	4.000in./101.6mm	Nash	3196921	3.680in./93.5mm	International
3130368	4.250in./108mm	American Motors	3196922	3.680in./93.5mm	American Motors
31315127	5.000in./127mm	Perkins	3196922	3.680in./93.5mm	International
31315841	5.000in./127mm	Perkins	3199738C	3.906in./99.2mm	American Motors
31315843	5.000in./127mm	Perkins	3199798	3.906in./99.2mm	American Motors
31315881	5.000in./127mm	Perkins	3199842	3.680in./93.5mm	American Motors



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
3199842	3.680in./93.5mm	International	3462387	3.313in./84.2mm	Chrysler
31M	3.150in./80mm	Chevrolet	3462923	3.375in./85.7mm	Chrysler
31M	3.250in./82.6mm	Chevrolet	3482387	3.313in./84.2mm	Chrysler
31M	3.386in./86mm	Mitsubishi	3482387	3.313in./84.2mm	Dodge
31M	3.465in./88mm	Nissan	3509574	3.625in./92.1mm	Cadillac
31M	3.780in./96mm	Nissan	351264R1	2.750in./69.9mm	International
31M	3.850in./97.8mm	Ford	3520090	3.622in./92mm	Cadillac
31M	3.980in./101.1mm	Ford	3521	4.000in./101.6mm	Chevrolet
31M	4.125in./104.8mm	Chevrolet	353039	4.000in./101.6mm	Chevrolet
320185R1	4.391in./111.5mm	International	354431	3.100in./78.7mm	Chevrolet
3203082	3.750in./95.3mm	Nash	356308R1	4.000in./101.6mm	Continental
3204904	3.250in./82.6mm	Studebaker	356308R1	4.000in./101.6mm	International
3204904	3.500in./88.9mm	American Motors	357247R1	2.750in./69.9mm	International
3208626	3.000in./76.2mm	American Motors	359730	4.000in./101.6mm	Chevrolet
3208627	3.250in./82.6mm	Studebaker	36-0	3.071in./78mm	Nissan
3208627	3.500in./88.9mm	American Motors	365308R1	4.000in./101.6mm	Continental
3208793	3.000in./76.2mm	American Motors	365308R1	4.000in./101.6mm	International
3208794	3.250in./82.6mm	Studebaker	3654	3.189in./81mm	Chrysler
3208794	3.500in./88.9mm	American Motors	365712R1	3.219in./81.76mm	International
3208795	3.680in./93.5mm	American Motors	365712R1	3.219in./81.8mm	International
3208795	3.680in./93.5mm	International	365712R2	3.219in./81.76mm	International
321	3.543in./90mm	Acura	365712R2	3.219in./81.8mm	International
3213754	3.438in./87.3mm	American Motors	3660345	3.938in./100mm	Chevrolet
3213754	3.438in./87.33mm	American Motors	367266R1	3.688in./93.7mm	International
3214722	3.250in./82.6mm	Studebaker	367267R1	4.391in./111.5mm	International
3214722	3.500in./88.9mm	American Motors	367747R1	4.063in./103.2mm	International
3214723	3.906in./99.2mm	American Motors	367747R1	4.250in./108mm	International
3214724	3.438in./87.3mm	American Motors	368711R1	4.000in./101.6mm	Continental
3214724	3.438in./87.33mm	American Motors	368711R1	4.000in./101.6mm	International
3214725	3.680in./93.5mm	American Motors	3690	3.484in./88.5mm	Chevrolet
3220411	3.680in./93.5mm	American Motors	3698641	3.375in./85.7mm	Chrysler
3220411	3.680in./93.5mm	International	3698641	3.750in./95.3mm	Chrysler
32288D	6.500in./165.1mm	International	3698641	4.188in./106.4mm	Chrysler
32288DB	6.500in./165.1mm	International	3698966	4.125in./104.8mm	Chrysler
32300	3.228in./82mm	Nissan	3701486	3.938in./100mm	Chevrolet
32305	6.500in./165.1mm	International	3701488	3.938in./100mm	Chevrolet
3235477	3.906in./99.2mm	American Motors	3701488-A	3.938in./100mm	Chevrolet
323882R11	4.391in./111.5mm	International	3701894	3.938in./100mm	Chevrolet
3239611	3.190in./81.03mm	American Motors	3726271	3.750in./95.3mm	Chevrolet
3239611	3.190in./81.03mm	Jeep	3727449	3.000in./76.2mm	Chevrolet
3239611	3.701in./94mm	Jeep	3727499	3.000in./76.2mm	Chevrolet
3278N	3.150in./80mm	Chevrolet	3727499	3.347in./85mm	Chevrolet
3279	3.000in./76.2mm	Chevrolet	3729449	3.000in./76.2mm	Chevrolet
3279	3.250in./82.6mm	Chevrolet	3729449	3.347in./85mm	Chevrolet
3279	3.347in./85mm	Chevrolet	3732444	3.438in./87.33mm	Chevrolet
3279	3.701in./94mm	Mazda	3732444	3.484in./88.5mm	Chevrolet
3281N	3.150in./80mm	Chevrolet	3732444	3.504in./89mm	Chevrolet
3281N	3.250in./82.6mm	Chevrolet	3732692	3.250in./82.6mm	Chevrolet
3281N	3.386in./86mm	Mitsubishi	3733223	3.250in./82.6mm	Chevrolet
3281N	3.465in./88mm	Nissan	3733226	3.250in./82.6mm	Chevrolet
3281N	3.780in./96mm	Nissan	3734627	3.000in./76.2mm	Chevrolet
3281N	3.850in./97.8mm	Ford	3734627	3.347in./85mm	Chevrolet
3281N	3.980in./101.1mm	Ford	3735236	3.000in./76.2mm	Chevrolet
3281N	4.125in./104.8mm	Chevrolet	3735236	3.347in./85mm	Chevrolet
3294	3.375in./85.7mm	Chrysler	3741640	3.250in./82.6mm	Chevrolet
3294	3.750in./95.3mm	Chrysler	3741642	3.250in./82.6mm	Chevrolet
3294	4.188in./106.4mm	Chrysler	3751841	3.313in./84.2mm	Chrysler
329880N	3.150in./80mm	Chevrolet	3751841	3.313in./84.2mm	Dodge
329880N	3.250in./82.6mm	Chevrolet	3751877	3.375in./85.7mm	Chrysler
329880N	3.386in./86mm	Mitsubishi	3751888	3.375in./85.7mm	Chrysler
329880N	3.465in./88mm	Nissan	3751888	3.750in./95.3mm	Chrysler
329880N	3.780in./96mm	Nissan	3751888	4.188in./106.4mm	Chrysler
329880N	3.850in./97.8mm	Ford	3751888-5	3.375in./85.7mm	Chrysler
329880N	3.980in./101.1mm	Ford	3751888-5	3.750in./95.3mm	Chrysler
329880N	4.125in./104.8mm	Chevrolet	3751888-5	4.188in./106.4mm	Chrysler
3298880N	4.125in./104.8mm	Chevrolet	375601R11	3.875in./98.4mm	International
3299990	4.125in./104.8mm	Chevrolet	3769307	4.125in./104.8mm	Chrysler
3299990N	4.125in./104.8mm	Chevrolet	3770324	3.938in./100mm	Chevrolet
3308	4.094in./104mm	Chrysler	3770327	3.938in./100mm	Chevrolet
3418640	3.578in./90.8mm	Chrysler	3782680	3.250in./82.6mm	Chevrolet
3418840-2	3.578in./90.8mm	Chrysler	3782690	3.250in./82.6mm	Chevrolet
3418995	3.578in./90.8mm	Chrysler	378354	3.400in./86.4mm	Buick



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
378684R21	6.500in./165.1mm	International	3863144	3.766in./95.7mm	Chevrolet
378685R11	6.500in./165.1mm	International	3864465	3.250in./82.6mm	Chevrolet
378686R21	6.500in./165.1mm	International	3864465	3.250in./82.6mm	General Motors
3788072	3.500in./88.9mm	Chevrolet	3864465	3.250in./82.6mm	Pontiac
3788423	3.250in./82.6mm	Chevrolet	3874874	2.953in./75mm	Chevrolet
3788423	3.250in./82.6mm	General Motors	3874874	3.650in./92.7mm	Chevrolet
3788423	3.250in./82.6mm	Pontiac	3874874	3.766in./95.7mm	Chevrolet
3788424	3.250in./82.6mm	Chevrolet	3876764	3.000in./76.2mm	Chevrolet
3788424	3.250in./82.6mm	General Motors	3876764	3.347in./85mm	Chevrolet
3788424	3.250in./82.6mm	Pontiac	3876768	3.000in./76.2mm	Chevrolet
3788428	3.250in./82.6mm	Chevrolet	3876768	3.347in./85mm	Chevrolet
3788428	3.250in./82.6mm	General Motors	3876802	3.531in./89.7mm	Chevrolet
3788428	3.250in./82.6mm	Pontiac	3876802	3.531in./89.7mm	Pontiac
3788522	3.250in./82.6mm	Chevrolet	3876804	3.531in./89.7mm	Chevrolet
3789412	4.125in./104.8mm	Chevrolet	3876840	3.531in./89.7mm	Chevrolet
3793080	3.250in./82.6mm	Chevrolet	3876840	3.531in./89.7mm	Pontiac
3793082	3.250in./82.6mm	Chevrolet	3879412	4.125in./104.8mm	Chevrolet
3793082N	3.250in./82.6mm	Chevrolet	3882841	3.312in./84.1mm	Chevrolet
3795589	3.500in./88.9mm	Chevrolet	3882841	3.750in./95.3mm	Chevrolet
3804816	2.953in./75mm	Chevrolet	3882842	2.953in./75mm	Chevrolet
3804816	3.650in./92.7mm	Chevrolet	3882842	3.650in./92.7mm	Chevrolet
3804816	3.766in./95.7mm	Chevrolet	3882842	3.766in./95.7mm	Chevrolet
381	3.000in./76.2mm	Pontiac	3882847	2.953in./75mm	Chevrolet
381269	3.385in./86mm	Oldsmobile	3882847	3.650in./92.7mm	Chevrolet
381269	3.531in./89.7mm	Chevrolet	3882847	3.766in./95.7mm	Chevrolet
3815822	3.250in./82.6mm	Chevrolet	3882848	2.953in./75mm	Chevrolet
3817293	2.593in./65.9mm	Chevrolet Corvair	3882848	3.650in./92.7mm	Chevrolet
381919	3.385in./86mm	Oldsmobile	3882848	3.766in./95.7mm	Chevrolet
381919	3.531in./89.7mm	Chevrolet	3882849	2.953in./75mm	Chevrolet
3819989	5.354in./136mm	Cummins	3882849	3.650in./92.7mm	Chevrolet
3820618	3.250in./82.6mm	Chevrolet	3882849	3.766in./95.7mm	Chevrolet
3820618	3.250in./82.6mm	General Motors	3884653	4.125in./104.8mm	Chevrolet
3820618	3.250in./82.6mm	Pontiac	3886061	4.125in./104.8mm	Chevrolet
3824544	3.250in./82.6mm	Chevrolet	3887114	2.953in./75mm	Chevrolet
3824553	3.250in./82.6mm	Chevrolet	3887114	3.650in./92.7mm	Chevrolet
3824554	3.500in./88.9mm	Chevrolet	3887114	3.766in./95.7mm	Chevrolet
3826271	3.938in./100mm	Chevrolet	388766	3.385in./86mm	Oldsmobile
3828409	2.938in./74.6mm	Chevrolet Corvair	388766	3.531in./89.7mm	Chevrolet
3829027	3.500in./88.9mm	Chevrolet	3899424	3.250in./82.6mm	Chevrolet
3832442	3.438in./87.33mm	Chevrolet	3899424	3.250in./82.6mm	General Motors
3832442	3.484in./88.5mm	Chevrolet	390	3.000in./76.2mm	Pontiac
3832442	3.504in./89mm	Chevrolet	390275	3.385in./86mm	Oldsmobile
3835236TG	3.000in./76.2mm	Chevrolet	390275	3.531in./89.7mm	Chevrolet
3835236TG	3.347in./85mm	Chevrolet	390370	3.980in./101.1mm	Oldsmobile
3835271	3.750in./95.3mm	Chevrolet	3903827	4.724in./120mm	Cummins
3835311	3.938in./100mm	Chevrolet	3903830	4.724in./120mm	Cummins
3835501	3.938in./100mm	Chevrolet	3904815	2.953in./75mm	Chevrolet
3835709	3.938in./100mm	Chevrolet	3904815	3.650in./92.7mm	Chevrolet
3835709PG	3.938in./100mm	Chevrolet	3904815	3.766in./95.7mm	Chevrolet
3836144	2.953in./75mm	Chevrolet	3904816	2.953in./75mm	Chevrolet
3836144	3.650in./92.7mm	Chevrolet	3904816	3.650in./92.7mm	Chevrolet
3836144	3.766in./95.7mm	Chevrolet	3904816	3.766in./95.7mm	Chevrolet
3836236	3.000in./76.2mm	Chevrolet	390562	5.320in./135.1mm	Cummins
3836236	3.347in./85mm	Chevrolet	3907803	4.724in./120mm	Cummins
3836266	3.000in./76.2mm	Chevrolet	3907804	4.724in./120mm	Cummins
3836266	3.347in./85mm	Chevrolet	3910362	4.125in./104.8mm	Chevrolet
3836271	3.750in./95.3mm	Chevrolet	3910363	4.125in./104.8mm	Chevrolet
3837266	3.000in./76.2mm	Chevrolet	3911000	3.250in./82.6mm	Chevrolet
3837266	3.347in./85mm	Chevrolet	3911000	3.701in./94mm	Mazda
3837466	3.500in./88.9mm	Chevrolet	3911001	3.250in./82.6mm	Chevrolet
3838266	3.000in./76.2mm	Chevrolet	3911001	3.701in./94mm	Mazda
3838266	3.347in./85mm	Chevrolet	391101	3.150in./80mm	Audi
3838396	3.500in./88.9mm	Chevrolet	391101	3.150in./80mm	Volkswagen
384722	3.980in./101.1mm	Oldsmobile	391101	3.386in./86mm	Volkswagen
3849847	3.000in./76.2mm	Chevrolet	3911011	3.250in./82.6mm	Chevrolet
3849847	3.347in./85mm	Chevrolet	3911011	3.701in./94mm	Mazda
3855914	3.531in./89.7mm	Chevrolet	391101A	3.250in./82.6mm	Chevrolet
3855914	3.531in./89.7mm	Pontiac	391101A	3.701in./94mm	Mazda
3855914	4.125in./104.8mm	Chevrolet	3912335	3.438in./87.33mm	Chevrolet
3855914N	4.125in./104.8mm	Chevrolet	3912335	3.484in./88.5mm	Chevrolet
3863144	2.953in./75mm	Chevrolet	3912335	3.504in./89mm	Chevrolet
3863144	3.650in./92.7mm	Chevrolet	3914681	3.250in./82.6mm	Chevrolet



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
3914681	3.701in./94mm	Mazda	3AH	3.622in./92mm	Chrysler
3914682	3.250in./82.6mm	Chevrolet	3AH	3.850in./97.8mm	Ford
3914682	3.701in./94mm	Mazda	3B	2.598in./66mm	Toyota
391930	3.219in./81.8mm	International	3B	2.972in./75.5mm	Suzuki
3923278	3.000in./76.2mm	Chevrolet	3B	3.031in./77mm	Toyota
3923278	3.347in./85mm	Chevrolet	3B	3.125in./79.4mm	Ford
3930809	3.250in./82.6mm	Chevrolet	3B	3.386in./86mm	Toyota
3930809	3.701in./94mm	Mazda	3B	3.425in./87mm	Toyota
3932444	3.438in./87.33mm	Chevrolet	3B	3.622in./92mm	Chrysler
3932444	3.484in./88.5mm	Chevrolet	3B	3.850in./97.8mm	Ford
3932444	3.504in./89mm	Chevrolet	3B-7934	8.000in./203.2mm	Caterpillar
393654	3.385in./86mm	Oldsmobile	3B-7937	8.000in./203.2mm	Caterpillar
393654	3.531in./89.7mm	Chevrolet	3B-9511	8.000in./203.2mm	Caterpillar
3941172	3.250in./82.6mm	Chevrolet	3C	3.500in./88.9mm	Ford Windsor
3941172	3.701in./94mm	Mazda	3C	in./mm	Ford Windsor
3941174	3.250in./82.6mm	Chevrolet	3E	2.598in./66mm	Toyota
3941174	3.701in./94mm	Mazda	3E	2.972in./75.5mm	Suzuki
3941176	3.000in./76.2mm	Chevrolet	3E	3.031in./77mm	Toyota
3941176	3.347in./85mm	Chevrolet	3E	3.125in./79.4mm	Ford
3941180	2.953in./75mm	Chevrolet	3E	3.386in./86mm	Toyota
3941180	3.650in./92.7mm	Chevrolet	3E	3.425in./87mm	Toyota
3941180	3.766in./95.7mm	Chevrolet	3E	3.622in./92mm	Chrysler
3941184	3.438in./87.33mm	Chevrolet	3E	3.850in./97.8mm	Ford
3941184	3.484in./88.5mm	Chevrolet	3F-5020	5.500in./139.7mm	Caterpillar
3941184	3.504in./89mm	Chevrolet	3F-5020	6.000in./152.4mm	Caterpillar
3942411	2.953in./75mm	Chevrolet	3F-5026	5.500in./139.7mm	Caterpillar
3942411	3.650in./92.7mm	Chevrolet	3F-6777	5.500in./139.7mm	Caterpillar
3942411	3.766in./95.7mm	Chevrolet	3H	2.598in./66mm	Toyota
3951528	3.312in./84.1mm	Chevrolet	3H	2.972in./75.5mm	Suzuki
3951528	3.750in./95.3mm	Chevrolet	3H	3.031in./77mm	Toyota
3951529D	3.312in./84.1mm	Chevrolet	3H	3.125in./79.4mm	Ford
3951529D	3.750in./95.3mm	Chevrolet	3H	3.386in./86mm	Toyota
395654	3.385in./86mm	Oldsmobile	3H	3.425in./87mm	Toyota
395654	3.531in./89.7mm	Chevrolet	3H	3.622in./92mm	Chrysler
3962523	4.000in./101.6mm	Chevrolet	3H	3.850in./97.8mm	Ford
3963523	4.000in./101.6mm	Chevrolet	3K	2.598in./66mm	Toyota
3963524	4.000in./101.6mm	Chevrolet	3KC	2.598in./66mm	Toyota
3967463	4.000in./101.6mm	Chevrolet	3KC	2.972in./75.5mm	Suzuki
397303	4.250in./108mm	Oldsmobile	3KC	3.031in./77mm	Toyota
397363	4.250in./108mm	Oldsmobile	3KC	3.125in./79.4mm	Ford
3975	3.313in./84.2mm	Chrysler	3KC	3.386in./86mm	Toyota
3975	3.701in./94mm	Mazda	3KC	3.425in./87mm	Toyota
3975945	4.000in./101.6mm	Chevrolet	3KC	3.622in./92mm	Chrysler
3977109	3.625in./92.1mm	Chevrolet	3KC	3.850in./97.8mm	Ford
398261	3.385in./86mm	Oldsmobile	3M	3.500in./88.9mm	Ford Windsor
398261	3.531in./89.7mm	Chevrolet	3M	in./mm	Ford Windsor
398621	3.385in./86mm	Oldsmobile	3MA	3.500in./88.9mm	Ford Windsor
398621	3.531in./89.7mm	Chevrolet	3MA	in./mm	Ford Windsor
3994226	3.625in./92.1mm	Chevrolet	3SF	2.598in./66mm	Toyota
3994227	3.625in./92.1mm	Chevrolet	3SF	2.972in./75.5mm	Suzuki
3A	2.598in./66mm	Toyota	3SF	3.031in./77mm	Toyota
3A	2.972in./75.5mm	Suzuki	3SF	3.125in./79.4mm	Ford
3A	3.031in./77mm	Toyota	3SF	3.386in./86mm	Toyota
3A	3.125in./79.4mm	Ford	3SF	3.425in./87mm	Toyota
3A	3.386in./86mm	Toyota	3SF	3.622in./92mm	Chrysler
3A	3.425in./87mm	Toyota	3SF	3.850in./97.8mm	Ford
3A	3.622in./92mm	Chrysler	3U	3.781in./96mm	Ford
3A	3.850in./97.8mm	Ford	3Y	3.850in./97.8mm	Ford
3AC	2.598in./66mm	Toyota	3YA	2.598in./66mm	Chevrolet
3AC	2.972in./75.5mm	Suzuki	3YA	3.031in./77mm	Toyota
3AC	3.031in./77mm	Toyota	3YA	3.386in./86mm	Toyota
3AC	3.125in./79.4mm	Ford	3YA	3.531in./89.7mm	Chevrolet
3AC	3.386in./86mm	Toyota	3YA	3.780in./96mm	Nissan
3AC	3.425in./87mm	Toyota	3YA	3.850in./97.8mm	Ford
3AC	3.622in./92mm	Chrysler	3YA	3.937in./100mm	Mitsubishi
3AC	3.850in./97.8mm	Ford	3YAB	3.850in./97.8mm	Ford
3AH	2.598in./66mm	Toyota	4	2.756in./70mm	Toyota
3AH	2.972in./75.5mm	Suzuki	4-71	5.000in./127mm	Detroit Diesel
3AH	3.031in./77mm	Toyota	4008148	4.250in./108mm	Allis Chalmers
3AH	3.125in./79.4mm	Ford	40091E	4.250in./108mm	Hercules
3AH	3.386in./86mm	Toyota	400934	4.250in./108mm	Oldsmobile
3AH	3.425in./87mm	Toyota	40094D	4.250in./108mm	Hercules



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
40094E	4.250in./108mm	Hercules	4371093	6.500in./165.1mm	Allis Chalmers
400C-209	4.375in./111.1mm	Continental	4371093	6.500in./165.1mm	Buda
400C-213	3.500in./88.9mm	Continental	4371094	6.500in./165.1mm	Allis Chalmers
400C-226	3.500in./88.9mm	Continental	4371094	6.500in./165.1mm	Buda
400C-500	4.375in./111.1mm	Continental	4371097	6.500in./165.1mm	Allis Chalmers
4020230	4.250in./108mm	Allis Chalmers	4371097	6.500in./165.1mm	Buda
4020344	4.250in./108mm	Allis Chalmers	43734D	4.250in./108mm	International
4020345	4.250in./108mm	Allis Chalmers	43734DB	4.250in./108mm	International
4022256	4.250in./108mm	Allis Chalmers	43734DC	4.250in./108mm	International
4022301	4.250in./108mm	Allis Chalmers	43734DCX	4.250in./108mm	International
4022490	4.250in./108mm	Allis Chalmers	43734DD	4.250in./108mm	International
4027169	3.578in./90.8mm	Chrysler	43734DEX	4.250in./108mm	International
4027172	3.375in./85.7mm	Chrysler	43734DF	4.250in./108mm	International
4027175	3.375in./85.7mm	Chrysler	43734DFY	4.250in./108mm	International
4027175	3.750in./95.3mm	Chrysler	43734DG	4.250in./108mm	International
4027175	4.188in./106.4mm	Chrysler	43734DHX	4.250in./108mm	International
403707	4.250in./108mm	Oldsmobile	43739	4.250in./108mm	International
404	2.660in./67.6mm	Buick	44025E	4.250in./108mm	Hercules
405954	4.250in./108mm	Oldsmobile	4434	2.953in./75mm	Acura
407N	2.598in./66mm	Chevrolet	4434	2.953in./75mm	Honda
407N	3.031in./77mm	Toyota	4456	3.543in./90mm	Acura
407N	3.386in./86mm	Toyota	44571DB	5.250in./133.4mm	International
407N	3.531in./89.7mm	Chevrolet	44571DE	5.250in./133.4mm	International
407N	3.780in./96mm	Nissan	44571DEX	5.250in./133.4mm	International
407N	3.850in./97.8mm	Ford	44572	5.250in./133.4mm	International
407N	3.937in./100mm	Mitsubishi	446530	4.180in./106.2mm	International
40950E	4.250in./108mm	Hercules	446530	4.180in./106.2mm	Navistar
4095246	4.125in./104.8mm	Chrysler	446530C1	4.180in./106.2mm	International
40991E	4.250in./108mm	Hercules	446530C1	4.180in./106.2mm	Navistar
40F	2.598in./66mm	Chevrolet	446531C1	4.180in./106.2mm	International
40F	3.031in./77mm	Toyota	446531C1	4.180in./106.2mm	Navistar
40F	3.386in./86mm	Toyota	4487237	3.438in./87.3mm	American Motors
40F	3.531in./89.7mm	Chevrolet	4487237	3.438in./87.3mm	American Motors
40F	3.780in./96mm	Nissan	4487238	3.680in./93.5mm	American Motors
40F	3.850in./97.8mm	Ford	4487238	3.680in./93.5mm	International
40F	3.937in./100mm	Mitsubishi	45-T	2.598in./66mm	Chevrolet
41-74700	3.268in./83mm	Nissan	45-T	3.031in./77mm	Toyota
41026	4.125in./104.8mm	Hercules	45-T	3.386in./86mm	Toyota
41026B	4.125in./104.8mm	Hercules	45-T	3.531in./89.7mm	Chevrolet
418882	3.385in./86mm	Oldsmobile	45-T	3.780in./96mm	Nissan
418882	3.531in./89.7mm	Chevrolet	45-T	3.850in./97.8mm	Ford
4196N	2.598in./66mm	Chevrolet	45-T	3.937in./100mm	Mitsubishi
4196N	3.031in./77mm	Toyota	4502106	4.125in./104.8mm	Allis Chalmers
4196N	3.386in./86mm	Toyota	4502106	4.125in./104.8mm	Buda
4196N	3.531in./89.7mm	Chevrolet	4502106	4.375in./111.1mm	Buda
4196N	3.780in./96mm	Nissan	4502107	4.125in./104.8mm	Allis Chalmers
4196N	3.850in./97.8mm	Ford	4502107	4.125in./104.8mm	Buda
4196N	3.937in./100mm	Mitsubishi	4502107	4.375in./111.1mm	Buda
41R	3.150in./80mm	Toyota	4503200	4.125in./104.8mm	Allis Chalmers
42947E	4.500in./114.3mm	Hercules	4503200	4.125in./104.8mm	Buda
42974E	4.500in./114.3mm	Hercules	4503200	4.375in./111.1mm	Buda
42979E	4.250in./108mm	Hercules	4505959	4.125in./104.8mm	Allis Chalmers
4303200	4.125in./104.8mm	Allis Chalmers	4505959	4.125in./104.8mm	Buda
4303200	4.125in./104.8mm	Buda	4505959	4.375in./111.1mm	Buda
4347501	5.563in./141.3mm	Allis Chalmers	4505959	4.500in./114.3mm	Hercules
4347501	5.563in./141.3mm	Buda	4507700	4.125in./104.8mm	Allis Chalmers
4348399	5.563in./141.3mm	Allis Chalmers	4507700	4.125in./104.8mm	Buda
4348399	5.563in./141.3mm	Buda	4507700	4.375in./111.1mm	Buda
4348425	5.563in./141.3mm	Allis Chalmers	4512316	4.125in./104.8mm	Allis Chalmers
4348425	5.563in./141.3mm	Buda	4512316	4.125in./104.8mm	Buda
4348525	5.563in./141.3mm	Allis Chalmers	4512978	4.125in./104.8mm	Allis Chalmers
4348525	5.563in./141.3mm	Buda	4512978	4.125in./104.8mm	Buda
43526D	4.500in./114.3mm	Hercules	4514465	4.125in./104.8mm	Allis Chalmers
43526E	4.250in./108mm	Hercules	4514465	4.125in./104.8mm	Buda
43528B	4.500in./114.3mm	Hercules	4514465	4.375in./111.1mm	Buda
43528E	4.500in./114.3mm	Hercules	4514467	4.125in./104.8mm	Allis Chalmers
43531E	4.250in./108mm	Hercules	4514467	4.125in./104.8mm	Buda
43532	4.250in./108mm	Hercules	4514467	4.375in./111.1mm	Buda
4361324	6.500in./165.1mm	Allis Chalmers	45571DB	5.250in./133.4mm	International
4361324	6.500in./165.1mm	Buda	45571DC	5.250in./133.4mm	International
4371087	6.500in./165.1mm	Allis Chalmers	45571DCX	5.250in./133.4mm	International
4371087	6.500in./165.1mm	Buda	45571DD	5.250in./133.4mm	International



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
45571DDX	5.250in./133.4mm	International	4AC	3.937in./100mm	Mitsubishi
45571DE	5.250in./133.4mm	International	4AL	2.598in./66mm	Chevrolet
45571DEX	5.250in./133.4mm	International	4AL	3.031in./77mm	Toyota
45571FDX	5.250in./133.4mm	International	4AL	3.386in./86mm	Toyota
45572	5.250in./133.4mm	International	4AL	3.531in./89.7mm	Chevrolet
4568749	3.438in./87.33mm	Chevrolet	4AL	3.780in./96mm	Nissan
4568749	3.484in./88.5mm	Chevrolet	4AL	3.850in./97.8mm	Ford
4568749	3.504in./89mm	Chevrolet	4AL	3.937in./100mm	Mitsubishi
456CFG-5128	6.500in./165.1mm	Mack	4F-8510	8.000in./203.2mm	Caterpillar
456CFG-5137	6.500in./165.1mm	Mack	4F-8511	8.000in./203.2mm	Caterpillar
456GC-518A	6.000in./152.4mm	Mack	4F-9623	8.000in./203.2mm	Caterpillar
456GC-518E	6.000in./152.4mm	Mack	4G-3	2.874in./73mm	Toyota
456GC-518F	6.000in./152.4mm	Mack	4G-3	2.953in./75mm	Mitsubishi
456GC-518G	6.000in./152.4mm	Mack	4G-3	3.110in./79mm	Isuzu
456GC-543	6.000in./152.4mm	Mack	4G-3	3.228in./82mm	Mitsubishi
456GC-545	6.000in./152.4mm	Mack	4G-3	3.268in./83mm	Chrysler
456GC-545A	6.000in./152.4mm	Mack	4G-3	3.287in./83.5mm	Mitsubishi
4577	3.250in./82.6mm	Chevrolet	4G-3	3.386in./86mm	Mitsubishi
4577	3.701in./94mm	Mazda	4G1	2.874in./73mm	Toyota
45853D	4.250in./108mm	Hercules	4G1	2.953in./75mm	Mitsubishi
45853E	4.250in./108mm	Hercules	4G1	3.110in./79mm	Isuzu
45855E	4.250in./108mm	Hercules	4G1	3.228in./82mm	Mitsubishi
45857E	4.250in./108mm	Hercules	4G1	3.268in./83mm	Chrysler
45859B	4.250in./108mm	Hercules	4G1	3.287in./83.5mm	Mitsubishi
45859D	4.250in./108mm	Hercules	4G1	3.386in./86mm	Mitsubishi
45859E	4.250in./108mm	Hercules	4G61	2.874in./73mm	Toyota
45868	4.250in./108mm	Hercules	4G61	2.953in./75mm	Mitsubishi
45868G	4.250in./108mm	Hercules	4G61	3.110in./79mm	Isuzu
46024E	4.250in./108mm	Hercules	4G61	3.228in./82mm	Mitsubishi
460407	3.531in./89.7mm	Chevrolet	4G61	3.268in./83mm	Chrysler
460407	3.531in./89.7mm	Pontiac	4G61	3.287in./83.5mm	Mitsubishi
46402D	4.000in./101.6mm	Continental	4G61	3.386in./86mm	Mitsubishi
46402D	4.000in./101.6mm	International	4H-7032	8.000in./203.2mm	Caterpillar
4653	4.125in./104.8mm	Chevrolet	4H-9591	8.000in./203.2mm	Caterpillar
4672	3.250in./82.6mm	Chevrolet	4K	2.874in./73mm	Toyota
4672	3.701in./94mm	Mazda	4K	2.953in./75mm	Mitsubishi
46827E	4.125in./104.8mm	Hercules	4K	3.110in./79mm	Isuzu
46828B	4.125in./104.8mm	Hercules	4K	3.228in./82mm	Mitsubishi
46828E	4.125in./104.8mm	Hercules	4K	3.268in./83mm	Chrysler
46829B	4.125in./104.8mm	Hercules	4K	3.287in./83.5mm	Mitsubishi
46829E	4.125in./104.8mm	Hercules	4K	3.386in./86mm	Mitsubishi
46831E	4.125in./104.8mm	Hercules	4K05	2.874in./73mm	Toyota
46839E	4.250in./108mm	Hercules	4K05	2.953in./75mm	Mitsubishi
46923D	5.250in./133.4mm	International	4K05	3.110in./79mm	Isuzu
477440	3.688in./93.7mm	General Motors	4K05	3.228in./82mm	Mitsubishi
477440	3.688in./93.7mm	Oldsmobile	4K05	3.268in./83mm	Chrysler
47830D	4.125in./104.8mm	Hercules	4K05	3.287in./83.5mm	Mitsubishi
480407	3.531in./89.7mm	Chevrolet	4K05	3.386in./86mm	Mitsubishi
4813	3.750in./95.3mm	Pontiac	4M	3.500in./88.9mm	Ford Cleveland
481379	3.750in./95.3mm	Pontiac	4M-447	8.000in./203.2mm	Caterpillar
481380	3.750in./95.3mm	Pontiac	4M-9352	8.000in./203.2mm	Caterpillar
493654	3.750in./95.3mm	Pontiac	4M-9950	5.500in./139.7mm	Caterpillar
49525B	4.250in./108mm	Hercules	4M-9950	6.000in./152.4mm	Caterpillar
49528E	4.250in./108mm	Hercules	4M-9960	5.500in./139.7mm	Caterpillar
496452	3.750in./95.3mm	Pontiac	4M-9960	6.000in./152.4mm	Caterpillar
496453	4.000in./101.6mm	Pontiac	4MA	3.500in./88.9mm	Ford Cleveland
4992111	3.000in./76.2mm	Pontiac	4MAB	3.500in./88.9mm	Ford Cleveland
499311	3.000in./76.2mm	Pontiac	4N-0008	6.000in./152.4mm	Caterpillar
4993111	3.000in./76.2mm	Pontiac	4U	3.000in./76.2mm	Ford
4A	2.598in./66mm	Chevrolet	4U	3.590in./91.2mm	Ford
4A	3.031in./77mm	Toyota	4UA	3.000in./76.2mm	Ford
4A	3.386in./86mm	Toyota	4UA	3.590in./91.2mm	Ford
4A	3.531in./89.7mm	Chevrolet	4UAB	3.000in./76.2mm	Ford
4A	3.780in./96mm	Nissan	4UAB	3.590in./91.2mm	Ford
4A	3.850in./97.8mm	Ford	4UB	3.000in./76.2mm	Ford
4A	3.937in./100mm	Mitsubishi	4UB	3.590in./91.2mm	Ford
4AC	2.598in./66mm	Chevrolet	4XC-U	3.110in./79mm	Isuzu
4AC	3.031in./77mm	Toyota	4XC-U	3.287in./83.5mm	Mitsubishi
4AC	3.386in./86mm	Toyota	4XC-U	3.438in./87.3mm	Oldsmobile
4AC	3.531in./89.7mm	Chevrolet	4XC-U	3.500in./88.9mm	Ford
4AC	3.780in./96mm	Nissan	4XC-U	3.502in./89mm	Toyota
4AC	3.850in./97.8mm	Ford	4XC-UT	3.110in./79mm	Isuzu



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
4XC-UT	3.287in./83.5mm	Mitsubishi	5154184	5.000in./127mm	Detroit Diesel
4XC-UT	3.438in./87.3mm	Oldsmobile	5154256	5.000in./127mm	Detroit Diesel
4XC-UT	3.500in./88.9mm	Ford	5154701	5.000in./127mm	Detroit Diesel
4XC-UT	3.502in./89mm	Toyota	5154926	5.000in./127mm	Detroit Diesel
4XC1-U	2.874in./73mm	Toyota	5154929	5.000in./127mm	Detroit Diesel
4XC1-U	2.953in./75mm	Mitsubishi	5155255	5.000in./127mm	Detroit Diesel
4XC1-U	3.110in./79mm	Isuzu	5160034	5.000in./127mm	Detroit Diesel
4XC1-U	3.228in./82mm	Mitsubishi	5173988	5.000in./127mm	Detroit Diesel
4XC1-U	3.268in./83mm	Chrysler	5179067	5.000in./127mm	Detroit Diesel
4XC1-U	3.287in./83.5mm	Mitsubishi	518047	3.250in./82.6mm	General Motors
4XC1-U	3.386in./86mm	Mitsubishi	518047	3.250in./82.6mm	Pontiac
4XCIU	2.874in./73mm	Toyota	5181377	4.500in./114.3mm	Detroit Diesel
4XCIU	2.953in./75mm	Mitsubishi	5182940	5.000in./127mm	Detroit Diesel
4XCIU	3.110in./79mm	Isuzu	5182942	5.000in./127mm	Detroit Diesel
4XCIU	3.228in./82mm	Mitsubishi	5184214	5.000in./127mm	Detroit Diesel
4XCIU	3.268in./83mm	Chrysler	52010D	5.250in./133.4mm	International
4XCIU	3.287in./83.5mm	Mitsubishi	52010DA	5.250in./133.4mm	International
4XCIU	3.386in./86mm	Mitsubishi	5214738	3.622in./92mm	Chrysler
4XCU	3.110in./79mm	Isuzu	521525	4.000in./101.6mm	Studebaker
4XCU	3.287in./83.5mm	Mitsubishi	521526	4.000in./101.6mm	Studebaker
4XCU	3.438in./87.3mm	Oldsmobile	521601	3.250in./82.6mm	General Motors
4XCU	3.500in./88.9mm	Ford	521601	3.250in./82.6mm	Pontiac
4XCU	3.502in./89mm	Toyota	521602	3.250in./82.6mm	General Motors
4XCUT	3.110in./79mm	Isuzu	521602	3.250in./82.6mm	Pontiac
4XCUT	3.287in./83.5mm	Mitsubishi	523206	3.563in./90.5mm	General Motors
4XCUT	3.438in./87.3mm	Oldsmobile	523206	3.563in./90.5mm	Pontiac
4XCUT	3.500in./88.9mm	Ford	525887	3.000in./76.2mm	Pontiac
4XCUT	3.502in./89mm	Toyota	526831	3.250in./82.6mm	Studebaker
4ZE1	3.110in./79mm	Isuzu	526832	3.250in./82.6mm	Studebaker
4ZE1	3.287in./83.5mm	Mitsubishi	526956	3.625in./92.1mm	Studebaker
4ZE1	3.438in./87.3mm	Oldsmobile	526956	4.000in./101.6mm	General Motors
4ZE1	3.500in./88.9mm	Ford	528527	3.563in./90.5mm	General Motors
4ZE1	3.502in./89mm	Toyota	528527	3.563in./90.5mm	Pontiac
5 E	3.110in./79mm	Isuzu	530048	3.563in./90.5mm	General Motors
5 E	3.287in./83.5mm	Mitsubishi	530048	3.563in./90.5mm	Pontiac
5 E	3.438in./87.3mm	Oldsmobile	530081	3.250in./82.6mm	Studebaker
5 E	3.500in./88.9mm	Ford	531369	3.563in./90.5mm	General Motors
5 E	3.502in./89mm	Toyota	531369	3.563in./90.5mm	Pontiac
5-15-2	2.638in./67mm	Nissan	531369	3.750in./95.3mm	Pontiac
5-295	4.000in./101.6mm	Roiline	533439	2.813in./71.5mm	Studebaker
5-295-1	4.000in./101.6mm	Roiline	53401D	6.500in./165.1mm	International
5-295-1X	4.000in./101.6mm	Roiline	53401DC	6.500in./165.1mm	International
5-295-S4	4.000in./101.6mm	Roiline	534231	4.375in./111.1mm	Studebaker
5-2951	4.000in./101.6mm	Roiline	534251	4.375in./111.1mm	Studebaker
5-3452	4.500in./114.3mm	Roiline	534254	4.375in./111.1mm	Studebaker
5-352-2	4.500in./114.3mm	Roiline	534521	4.375in./111.1mm	Studebaker
5-354	4.500in./114.3mm	Roiline	535377	4.375in./111.1mm	Studebaker
5-354-2	4.500in./114.3mm	Roiline	536452	3.250in./82.6mm	Studebaker
5-354-4	4.500in./114.3mm	Roiline	537424	3.625in./92.1mm	Studebaker
50024E	4.250in./108mm	Hercules	537424	4.000in./101.6mm	General Motors
504	2.992in./76mm	Chevrolet	539000	3.750in./95.3mm	Pontiac
508E-6303	3.110in./79mm	Isuzu	539732	3.750in./95.3mm	Pontiac
508E-6303	3.287in./83.5mm	Mitsubishi	541585	3.750in./95.3mm	Pontiac
508E-6303	3.438in./87.3mm	Oldsmobile	542239	3.750in./95.3mm	Pontiac
508E-6303	3.500in./88.9mm	Ford	542990	4.000in./101.6mm	Pontiac
508E-6303	3.502in./89mm	Toyota	54401DC	6.500in./165.1mm	International
5103281	5.000in./127mm	Detroit Diesel	54401DCX	6.500in./165.1mm	International
5103318	4.500in./114.3mm	Detroit Diesel	544100	3.750in./95.3mm	Pontiac
5116022	4.500in./114.3mm	Detroit Diesel	544191	3.750in./95.3mm	Pontiac
5116029	4.500in./114.3mm	Detroit Diesel	55205	5.250in./133.4mm	International
5116030	4.500in./114.3mm	Detroit Diesel	555638	3.438in./87.3mm	Oldsmobile
511706	5.000in./127mm	Detroit Diesel	555699	3.438in./87.3mm	Oldsmobile
5117212	5.000in./127mm	Detroit Diesel	556607	3.385in./86mm	Oldsmobile
5117906	5.000in./127mm	Detroit Diesel	556607	3.531in./89.7mm	Chevrolet
5119906	5.000in./127mm	Detroit Diesel	558711	3.385in./86mm	Oldsmobile
5132942	4.000in./101.6mm	General Motors	559432	3.438in./87.3mm	General Motors
5132942	5.000in./127mm	Detroit Diesel	559432	3.438in./87.3mm	Oldsmobile
5136449	4.500in./114.3mm	Detroit Diesel	5607	2.938in./74.6mm	Chevrolet Corvair
5144867	5.000in./127mm	Detroit Diesel	561656	3.438in./87.3mm	General Motors
5145942	5.750in./146.1mm	Detroit Diesel	561656	3.438in./87.3mm	Oldsmobile
5146572	5.000in./127mm	Detroit Diesel	562746	3.688in./93.7mm	General Motors
5146573	5.000in./127mm	Detroit Diesel	562746	3.688in./93.7mm	Oldsmobile



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
565524DYNA	3.110in./79mm	Isuzu	6-H	2.701in./68.6mm	Ford
565524DYNA	3.287in./83.5mm	Mitsubishi	6-H	3.031in./77mm	Suzuki
565524DYNA	3.438in./87.3mm	Oldsmobile	6-H	3.150in./80mm	Chevrolet
565524DYNA	3.500in./88.9mm	Ford	6-H	3.465in./88mm	Mitsubishi
565524DYNA	3.502in./89mm	Toyota	6-H	3.465in./88mm	Nissan
565624	3.438in./87.3mm	General Motors	6-H	3.583in./91mm	Toyota
565624	3.438in./87.3mm	Oldsmobile	6-H	4.400in./111.8mm	Ford
565624DYNA	3.438in./87.3mm	General Motors	60835H	4.500in./114.3mm	International
565624DYNA	3.438in./87.3mm	Oldsmobile	60835HA	4.500in./114.3mm	International
565699	3.438in./87.3mm	General Motors	60835HB	4.500in./114.3mm	International
565699	3.438in./87.3mm	Oldsmobile	60889HC	4.250in./108mm	International
565699	3.688in./93.7mm	General Motors	6107432	3.813in./96.9mm	General Motors
565699	3.688in./93.7mm	Oldsmobile	6116028	4.500in./114.3mm	Detroit Diesel
5671-1	6.000in./152.4mm	Cummins	61265R1	5.250in./133.4mm	International
5671-2	6.000in./152.4mm	Cummins	620035	4.375in./111.1mm	Chrysler
5672	6.000in./152.4mm	Cummins	6223	2.953in./75mm	Chevrolet
5672-1	6.000in./152.4mm	Cummins	6223	3.650in./92.7mm	Chevrolet
5672-2	6.000in./152.4mm	Cummins	6223	3.766in./95.7mm	Chevrolet
567405	3.438in./87.3mm	General Motors	6255607	2.593in./65.9mm	Chevrolet Corvair
567405	3.438in./87.3mm	Oldsmobile	63-GC	3.465in./88mm	Mitsubishi
567943	3.438in./87.3mm	General Motors	63-GC	3.622in./92mm	Chrysler
567943	3.438in./87.3mm	Oldsmobile	630320	4.375in./111.1mm	
568812	3.688in./93.7mm	General Motors	635280	4.375in./111.1mm	
568812	3.688in./93.7mm	Oldsmobile	635380	4.375in./111.1mm	
5743013	3.250in./82.6mm	Chevrolet	638121	4.375in./111.1mm	
5743013	3.250in./82.6mm	General Motors	63GC	3.465in./88mm	Mitsubishi
5743014	3.250in./82.6mm	Chevrolet	63GC	3.622in./92mm	Chrysler
574440	3.688in./93.7mm	General Motors	63GU	3.465in./88mm	Mitsubishi
574440	3.688in./93.7mm	Oldsmobile	63GU	3.622in./92mm	Chrysler
574544	3.688in./93.7mm	General Motors	641127	4.375in./111.1mm	
574544	3.688in./93.7mm	Oldsmobile	646318	4.375in./111.1mm	
5750174	3.297in./83.8mm	Ford	65-RU	3.465in./88mm	Mitsubishi
5750174	3.656in./92.9mm	Ford	65-RU	3.622in./92mm	Chrysler
5773990	5.000in./127mm	Detroit Diesel	651827	3.578in./90.8mm	General Motors
577440	3.688in./93.7mm	General Motors	665792	4.250in./108mm	Chrysler
577440	3.688in./93.7mm	Oldsmobile	665792	4.250in./108mm	DeSoto
5782680	3.250in./82.6mm	Chevrolet	665792	4.500in./114.3mm	Chrysler
581921	3.622in./92mm	Triumph	665792	4.500in./114.3mm	Dodge
582740	3.688in./93.7mm	General Motors	666739	4.063in./103.2mm	Chrysler
582740	3.688in./93.7mm	Oldsmobile	666739	4.500in./114.3mm	Chrysler
582746	3.688in./93.7mm	General Motors	666739	4.500in./114.3mm	Dodge
582746	3.688in./93.7mm	Oldsmobile	672016	3.859in./98mm	General Motors
584722	3.980in./101.1mm	Oldsmobile	673498	4.500in./114.3mm	Chrysler
59-PK	2.756in./70mm	Toyota	673498	4.500in./114.3mm	Dodge
59-PK	3.031in./77mm	Toyota	6764	3.000in./76.2mm	Chevrolet
59-PK	3.346in./85mm	Toyota	6764	3.347in./85mm	Chevrolet
59-PK	3.465in./88mm	Mitsubishi	68-6303	3.750in./95.3mm	Ford
59-PK	3.622in./92mm	Chrysler	684	3.000in./76.2mm	Pontiac
5A	2.756in./70mm	Toyota	69-GU	3.465in./88mm	Mitsubishi
5A	3.031in./77mm	Toyota	69-GU	3.622in./92mm	Chrysler
5A	3.346in./85mm	Toyota	6AM	3.465in./88mm	Mitsubishi
5A	3.465in./88mm	Mitsubishi	6AM	3.622in./92mm	Chrysler
5A	3.622in./92mm	Chrysler	6F-1913	8.000in./203.2mm	Caterpillar
5AK	2.756in./70mm	Toyota	6F-1914	8.000in./203.2mm	Caterpillar
5AK	3.031in./77mm	Toyota	6H-5840	8.000in./203.2mm	Caterpillar
5AK	3.346in./85mm	Toyota	6M	2.701in./68.6mm	Ford
5AK	3.465in./88mm	Mitsubishi	6M	3.031in./77mm	Suzuki
5AK	3.622in./92mm	Chrysler	6M	3.150in./80mm	Chevrolet
5F-5020	5.500in./139.7mm	Caterpillar	6M	3.465in./88mm	Mitsubishi
5G9-37	2.756in./70mm	Toyota	6M	3.465in./88mm	Nissan
5G9-37	3.031in./77mm	Toyota	6M	3.583in./91mm	Toyota
5G9-37	3.346in./85mm	Toyota	6M	4.400in./111.8mm	Ford
5G9-37	3.465in./88mm	Mitsubishi	70-2340	2.638in./67mm	Nissan
5G9-37	3.622in./92mm	Chrysler	70-2340	2.886in./73.3mm	Nissan
5H-7375	5.500in./139.7mm	Caterpillar	70115R1	3.688in./93.7mm	International
5H-7375	6.000in./152.4mm	Caterpillar	70115R3	3.688in./93.7mm	International
5M	4.000in./101.6mm	Ford	70118R1	3.688in./93.7mm	International
5MA	4.000in./101.6mm	Ford	70118R1	4.016in./102mm	International
5MAB	4.000in./101.6mm	Ford	70HM	3.031in./77mm	Ford
5MABC	4.000in./101.6mm	Ford	70HM-AKA	3.031in./77mm	Ford
5X-403	4.500in./114.3mm	Hercules	7115	2.953in./75mm	Chevrolet
6-71	5.000in./127mm	Detroit Diesel	7115	3.650in./92.7mm	Chevrolet



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
7115	3.766in./95.7mm	Chevrolet	7B-7452	8.000in./203.2mm	Caterpillar
711M-AC	2.100in./53.3mm	Ford	7B-7937	8.000in./203.2mm	Caterpillar
711M-AD	2.100in./53.3mm	Ford	7B-9511	8.000in./203.2mm	Caterpillar
7184N	2.992in./76mm	Chevrolet	7B-9578	8.000in./203.2mm	Caterpillar
7243N	2.701in./68.6mm	Ford	7B-9620	8.000in./203.2mm	Caterpillar
7243N	3.031in./77mm	Suzuki	7B-9654	5.500in./139.7mm	Caterpillar
7243N	3.150in./80mm	Chevrolet	7F-8511	8.000in./203.2mm	Caterpillar
7243N	3.465in./88mm	Mitsubishi	7HA	2.701in./68.6mm	Ford
7243N	3.465in./88mm	Nissan	7HA	3.031in./77mm	Suzuki
7243N	3.583in./91mm	Toyota	7HA	3.150in./80mm	Chevrolet
7243N	4.400in./111.8mm	Ford	7HA	3.465in./88mm	Mitsubishi
7248N	3.150in./80mm	Chevrolet	7HA	3.465in./88mm	Nissan
726N	3.484in./88.5mm	Chevrolet	7HA	3.583in./91mm	Toyota
7293	2.938in./74.6mm	Chevrolet Corvair	7HA	4.400in./111.8mm	Ford
72HM-JA	3.031in./77mm	Ford	7HA-6303	2.701in./68.6mm	Ford
732	2.660in./67.6mm	Buick	7HA-6303	3.031in./77mm	Suzuki
7325596	3.980in./101.1mm	Continental	7HA-6303	3.150in./80mm	Chevrolet
7325596	4.375in./111.1mm	Continental	7HA-6303	3.465in./88mm	Mitsubishi
732596	3.980in./101.1mm	Continental	7HA-6303	3.465in./88mm	Nissan
732596	4.375in./111.1mm	Continental	7HA-6303	3.583in./91mm	Toyota
733536	3.980in./101.1mm	Continental	7HA-6303	4.400in./111.8mm	Ford
733536	4.375in./111.1mm	Continental	7M	3.500in./88.9mm	Ford Windsor
733863	3.980in./101.1mm	Continental	7M	in./mm	Ford Windsor
733863	4.375in./111.1mm	Continental	7M-4400	5.500in./139.7mm	Caterpillar
734452	3.980in./101.1mm	Continental	7M-4400	6.000in./152.4mm	Caterpillar
734452	4.375in./111.1mm	Continental	7MA	3.500in./88.9mm	Ford Windsor
734542	3.980in./101.1mm	Continental	7MA	in./mm	Ford Windsor
734542	4.375in./111.1mm	Continental	7N-3408	6.000in./152.4mm	Caterpillar
74062R1	4.125in./104.8mm	International	8	2.598in./66mm	Toyota
7416	4.000in./101.6mm	Chevrolet	8034	2.992in./76mm	Mazda
74962R1	4.125in./104.8mm	International	81-K	2.701in./68.6mm	Ford
74TM	2.701in./68.6mm	Ford	81-K	3.031in./77mm	Suzuki
74TM	3.031in./77mm	Suzuki	81-K	3.150in./80mm	Chevrolet
74TM	3.150in./80mm	Chevrolet	81-K	3.465in./88mm	Mitsubishi
74TM	3.465in./88mm	Mitsubishi	81-K	3.465in./88mm	Nissan
74TM	3.465in./88mm	Nissan	81-K	3.583in./91mm	Toyota
74TM	3.583in./91mm	Toyota	81-K	4.400in./111.8mm	Ford
74TM	4.400in./111.8mm	Ford	817	2.992in./76mm	Chevrolet
74TM-AA	2.701in./68.6mm	Ford	817268R1	3.656in./92.9mm	International
7501366	4.125in./104.8mm	Chrysler	82856	4.313in./109.6mm	International
762706	4.500in./114.3mm	Chrysler	82TM	2.701in./68.6mm	Ford
762706	4.500in./114.3mm	Dodge	82TM	2.831in./71.9mm	Ford
76TM	2.701in./68.6mm	Ford	82TM	3.125in./79.4mm	Ford
76TM	3.031in./77mm	Suzuki	82TM	3.150in./80mm	Chevrolet
76TM	3.150in./80mm	Chevrolet	82TM	3.386in./86mm	Volkswagen
76TM	3.465in./88mm	Mitsubishi	82TM	3.531in./89.7mm	Chevrolet
76TM	3.465in./88mm	Nissan	82TM	3.622in./92mm	Nissan
76TM	3.583in./91mm	Toyota	82TM	4.400in./111.8mm	Ford
76TM	4.400in./111.8mm	Ford	82TM-HAA	2.701in./68.6mm	Ford
771	3.000in./76.2mm	Pontiac	82TM-HAA	2.831in./71.9mm	Ford
777	3.000in./76.2mm	Pontiac	82TM-HAA	3.125in./79.4mm	Ford
77A	2.701in./68.6mm	Ford	82TM-HAA	3.150in./80mm	Chevrolet
77A	3.031in./77mm	Suzuki	82TM-HAA	3.386in./86mm	Volkswagen
77A	3.150in./80mm	Chevrolet	82TM-HAA	3.531in./89.7mm	Chevrolet
77A	3.465in./88mm	Mitsubishi	82TM-HAA	3.622in./92mm	Nissan
77A	3.465in./88mm	Nissan	82TM-HAA	4.400in./111.8mm	Ford
77A	3.583in./91mm	Toyota	836712R2	3.219in./81.76mm	International
77A	4.400in./111.8mm	Ford	836712R2	3.219in./81.8mm	International
78TM	2.701in./68.6mm	Ford	837719R1	4.125in./104.8mm	International
78TM	3.031in./77mm	Suzuki	837719R1	5.000in./127mm	International
78TM	3.150in./80mm	Chevrolet	839111	3.750in./95.3mm	Chevrolet
78TM	3.465in./88mm	Mitsubishi	83917R1	4.125in./104.8mm	International
78TM	3.465in./88mm	Nissan	83917R1	5.000in./127mm	International
78TM	3.583in./91mm	Toyota	83917R2	4.125in./104.8mm	International
78TM	4.400in./111.8mm	Ford	83917R2	5.000in./127mm	International
78TM-CA	2.701in./68.6mm	Ford	83917R3	4.125in./104.8mm	International
78TM-CA	3.031in./77mm	Suzuki	83917R3	5.000in./127mm	International
78TM-CA	3.150in./80mm	Chevrolet	839750	3.938in./100mm	Chevrolet
78TM-CA	3.465in./88mm	Mitsubishi	839775	3.750in./95.3mm	Chevrolet
78TM-CA	3.465in./88mm	Nissan	8409	2.593in./65.9mm	Chevrolet Corvair
78TM-CA	3.583in./91mm	Toyota	8424	3.250in./82.6mm	Chevrolet
78TM-CA	4.400in./111.8mm	Ford	8424	3.250in./82.6mm	General Motors



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
8424	3.250in./82.6mm	Pontiac	8F28	3.386in./86mm	Volkswagen
851M	2.701in./68.6mm	Ford	8F28	3.531in./89.7mm	Chevrolet
851M	2.831in./71.9mm	Ford	8F28	3.622in./92mm	Nissan
851M	3.125in./79.4mm	Ford	8F28	4.400in./111.8mm	Ford
851M	3.150in./80mm	Chevrolet	8H-5320	8.000in./203.2mm	Caterpillar
851M	3.386in./86mm	Volkswagen	8HA	2.701in./68.6mm	Ford
851M	3.531in./89.7mm	Chevrolet	8HA	2.831in./71.9mm	Ford
851M	3.622in./92mm	Nissan	8HA	3.125in./79.4mm	Ford
851M	4.400in./111.8mm	Ford	8HA	3.150in./80mm	Chevrolet
852856	4.313in./109.6mm	International	8HA	3.386in./86mm	Volkswagen
856080	4.375in./111.1mm	Chrysler	8HA	3.531in./89.7mm	Chevrolet
863706	4.500in./114.3mm	Chrysler	8HA	3.622in./92mm	Nissan
863706	4.500in./114.3mm	Dodge	8HA	4.400in./111.8mm	Ford
863712	3.219in./81.76mm	International	8HA-6303	2.701in./68.6mm	Ford
863712	3.219in./81.8mm	International	8HA-6303	2.831in./71.9mm	Ford
864718	4.250in./108mm	Chrysler	8HA-6303	3.125in./79.4mm	Ford
864718	4.250in./108mm	DeSoto	8HA-6303	3.150in./80mm	Chevrolet
864718	4.500in./114.3mm	Chrysler	8HA-6303	3.386in./86mm	Volkswagen
864718	4.500in./114.3mm	Dodge	8HA-6303	3.531in./89.7mm	Chevrolet
864718	4.625in./117.5mm	Chrysler	8HA-6303	3.622in./92mm	Nissan
864718	4.625in./117.5mm	Dodge	8HA-6303	4.400in./111.8mm	Ford
864719	4.375in./111.1mm	Chrysler	8M	3.500in./88.9mm	Ford
868929	4.625in./117.5mm	Chrysler	8M-4500	5.500in./139.7mm	Caterpillar
868929	4.625in./117.5mm	Dodge	8M-4500	6.000in./152.4mm	Caterpillar
8698461	3.375in./85.7mm	Chrysler	8M-4502	5.500in./139.7mm	Caterpillar
8698461	3.750in./95.3mm	Chrysler	8M-4502	6.000in./152.4mm	Caterpillar
8698461	4.188in./106.4mm	Chrysler	8MTH	2.701in./68.6mm	Ford
86TM-BA	2.701in./68.6mm	Ford	8MTH	2.831in./71.9mm	Ford
86TM-BA	2.831in./71.9mm	Ford	8MTH	3.125in./79.4mm	Ford
86TM-BA	3.125in./79.4mm	Ford	8MTH	3.150in./80mm	Chevrolet
86TM-BA	3.150in./80mm	Chevrolet	8MTH	3.386in./86mm	Volkswagen
86TM-BA	3.386in./86mm	Volkswagen	8MTH	3.531in./89.7mm	Chevrolet
86TM-BA	3.531in./89.7mm	Chevrolet	8MTH	3.622in./92mm	Nissan
86TM-BA	3.622in./92mm	Nissan	8MTH	4.400in./111.8mm	Ford
86TM-BA	4.400in./111.8mm	Ford	8N	3.750in./95.3mm	Ford
8705N	2.913in./74mm	Chevrolet	8N	3.750in./95.3mm	Ford Tractor
870715	4.250in./108mm	Chrysler	9	2.598in./66mm	Toyota
870715	4.250in./108mm	DeSoto	90-21-0	2.598in./66mm	Chevrolet
870715	4.500in./114.3mm	Chrysler	90-21-0	2.831in./71.9mm	Ford
870715	4.500in./114.3mm	Dodge	90-21-0	3.031in./77mm	Suzuki
870744	4.500in./114.3mm	Chrysler	90-21-0	3.307in./84mm	Ford
870744	4.500in./114.3mm	Dodge	90-21-0	3.318in./84.3mm	Ford
8767	2.660in./67.6mm	Buick	90-21-0	3.461in./87.9mm	Ford
883550	4.000in./101.6mm	General Motors	90-21-0	3.609in./91.7mm	Ford
887652N	2.701in./68.6mm	Ford	90-21-0	3.622in./92mm	Nissan
887652N	2.831in./71.9mm	Ford	90003C	2.701in./68.6mm	Ford
887652N	3.125in./79.4mm	Ford	90003C	2.831in./71.9mm	Ford
887652N	3.150in./80mm	Chevrolet	90003C	3.125in./79.4mm	Ford
887652N	3.386in./86mm	Volkswagen	90003C	3.150in./80mm	Chevrolet
887652N	3.531in./89.7mm	Chevrolet	90003C	3.386in./86mm	Volkswagen
887652N	3.622in./92mm	Nissan	90003C	3.531in./89.7mm	Chevrolet
887652N	4.400in./111.8mm	Ford	90003C	3.622in./92mm	Nissan
8877367	3.859in./98mm	General Motors	90003C	4.400in./111.8mm	Ford
88TM-BA	2.701in./68.6mm	Ford	90156143	3.150in./80mm	Pontiac
88TM-BA	2.831in./71.9mm	Ford	908292	4.000in./101.6mm	Studebaker
88TM-BA	3.125in./79.4mm	Ford	90TM-6303-AB	3.307in./84mm	Ford
88TM-BA	3.150in./80mm	Chevrolet	90TM-AA	2.598in./66mm	Chevrolet
88TM-BA	3.386in./86mm	Volkswagen	90TM-AA	2.831in./71.9mm	Ford
88TM-BA	3.531in./89.7mm	Chevrolet	90TM-AA	3.031in./77mm	Suzuki
88TM-BA	3.622in./92mm	Nissan	90TM-AA	3.307in./84mm	Ford
88TM-BA	4.400in./111.8mm	Ford	90TM-AA	3.318in./84.3mm	Ford
8BA	3.750in./95.3mm	Ford	90TM-AA	3.461in./87.9mm	Ford
8CM	3.750in./95.3mm	Ford	90TM-AA	3.609in./91.7mm	Ford
8DC-1125	in./mm	Continental	90TM-AA	3.622in./92mm	Nissan
8DC-1125	6.500in./165.1mm	Buda	90TM-AB	2.598in./66mm	Chevrolet
8DCS-1125	in./mm	Continental	90TM-AB	2.831in./71.9mm	Ford
8DCS-1125	6.500in./165.1mm	Buda	90TM-AB	3.031in./77mm	Suzuki
8F-6777	5.500in./139.7mm	Caterpillar	90TM-AB	3.307in./84mm	Ford
8F28	2.701in./68.6mm	Ford	90TM-AB	3.318in./84.3mm	Ford
8F28	2.831in./71.9mm	Ford	90TM-AB	3.461in./87.9mm	Ford
8F28	3.125in./79.4mm	Ford	90TM-AB	3.609in./91.7mm	Ford
8F28	3.150in./80mm	Chevrolet	90TM-AB	3.622in./92mm	Nissan



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
9115	2.953in./75mm	Chevrolet	97011-B	8.250in./209.6mm	Waukesha
9115	3.650in./92.7mm	Chevrolet	97011-C	8.250in./209.6mm	Waukesha
9115	3.766in./95.7mm	Chevrolet	976321	4.125in./104.8mm	Case
9116N	2.598in./66mm	Chevrolet	9770488	4.000in./101.6mm	Pontiac
9166N	2.598in./66mm	Chevrolet	9773382	3.750in./95.3mm	Pontiac
9166N	2.831in./71.9mm	Ford	9773383	3.750in./95.3mm	Pontiac
9166N	3.031in./77mm	Suzuki	9773384	4.000in./101.6mm	Pontiac
9166N	3.307in./84mm	Ford	9773524	3.750in./95.3mm	Pontiac
9166N	3.318in./84.3mm	Ford	9773573	3.750in./95.3mm	Pontiac
9166N	3.461in./87.9mm	Ford	9782279	3.250in./82.6mm	Chevrolet
9166N	3.609in./91.7mm	Ford	9782279	3.250in./82.6mm	General Motors
9166N	3.622in./92mm	Nissan	9782297	3.250in./82.6mm	Pontiac
91A	3.750in./95.3mm	Ford	9782646	3.750in./95.3mm	Pontiac
91A-6303-A	2.598in./66mm	Chevrolet	9782769	4.000in./101.6mm	Pontiac
91A-6303-A	2.831in./71.9mm	Ford	9782770	3.750in./95.3mm	Pontiac
91A-6303-A	3.031in./77mm	Suzuki	9783785	3.750in./95.3mm	Pontiac
91A-6303-A	3.307in./84mm	Ford	9783786	3.750in./95.3mm	Pontiac
91A-6303-A	3.318in./84.3mm	Ford	9783787	4.000in./101.6mm	Pontiac
91A-6303-A	3.461in./87.9mm	Ford	9790154	3.531in./89.7mm	Chevrolet
91A-6303-A	3.609in./91.7mm	Ford	9793573	3.750in./95.3mm	Pontiac
91A-6303-A	3.622in./92mm	Nissan	9794054	3.750in./95.3mm	Pontiac
91A-6303-B	2.598in./66mm	Chevrolet	97954	3.750in./95.3mm	Pontiac
91A-6303-B	2.831in./71.9mm	Ford	9795479	3.750in./95.3mm	Pontiac
91A-6303-B	3.031in./77mm	Suzuki	9799103	4.210in./106.9mm	Pontiac
91A-6303-B	3.307in./84mm	Ford	97TM-	2.992in./76mm	Mitsubishi
91A-6303-B	3.318in./84.3mm	Ford	97TM-	3.189in./81mm	Chrysler
91A-6303-B	3.461in./87.9mm	Ford	97TM-	3.189in./81mm	Mazda
91A-6303-B	3.609in./91.7mm	Ford	97TM-	3.307in./84mm	Ford
91A-6303-B	3.622in./92mm	Nissan	97TM-	3.318in./84.3mm	Ford
91H	3.750in./95.3mm	Ford	97TM-	3.622in./92mm	Isuzu
91H-6303-B	2.598in./66mm	Chevrolet	97TM-	4.250in./108mm	Ford
91H-6303-B	2.831in./71.9mm	Ford	981	3.307in./84mm	Chevrolet
91H-6303-B	3.031in./77mm	Suzuki	99A	3.750in./95.3mm	Ford
91H-6303-B	3.307in./84mm	Ford	99A-6303	3.750in./95.3mm	Ford
91H-6303-B	3.318in./84.3mm	Ford	9N	3.750in./95.3mm	Ford
91H-6303-B	3.461in./87.9mm	Ford	9N	3.750in./95.3mm	Ford Tractor
91H-6303-B	3.609in./91.7mm	Ford	9N-8013	4.500in./114.3mm	Caterpillar
91H-6303-B	3.622in./92mm	Nissan	A	3.500in./88.9mm	Ford
91K	2.598in./66mm	Chevrolet	A-39151	4.125in./104.8mm	Case
91K	2.831in./71.9mm	Ford	A-39151	4.391in./111.5mm	International
91K	3.031in./77mm	Suzuki	A-399	4.500in./114.3mm	Detroit Diesel
91K	3.307in./84mm	Ford	A-6303	2.992in./76mm	Mitsubishi
91K	3.318in./84.3mm	Ford	A-6303	3.189in./81mm	Chrysler
91K	3.461in./87.9mm	Ford	A-6303	3.189in./81mm	Mazda
91K	3.609in./91.7mm	Ford	A-6303	3.307in./84mm	Ford
91K	3.622in./92mm	Nissan	A-6303	3.318in./84.3mm	Ford
91TM-AA	2.598in./66mm	Chevrolet	A-6303	3.622in./92mm	Isuzu
91TM-AA	2.831in./71.9mm	Ford	A-6303	4.250in./108mm	Ford
91TM-AA	3.031in./77mm	Suzuki	A-6303-A	2.992in./76mm	Mitsubishi
91TM-AA	3.307in./84mm	Ford	A-6303-A	3.189in./81mm	Chrysler
91TM-AA	3.318in./84.3mm	Ford	A-6303-A	3.189in./81mm	Mazda
91TM-AA	3.461in./87.9mm	Ford	A-6303-A	3.307in./84mm	Ford
91TM-AA	3.609in./91.7mm	Ford	A-6303-A	3.318in./84.3mm	Ford
91TM-AA	3.622in./92mm	Nissan	A-6303-A	3.622in./92mm	Isuzu
928928	3.980in./101.1mm	Continental	A-6303-A	4.250in./108mm	Ford
928928	4.375in./111.1mm	Continental	A0638	2.638in./67mm	Nissan
928928	4.375in./111.1mm	Jeep	A138818	5.000in./127mm	Case
934652	4.375in./111.1mm	Jeep	A1456	3.150in./80mm	Audi
93917R1	4.125in./104.8mm	International	A1456	3.150in./80mm	Volkswagen
93917R1	5.000in./127mm	International	A1456	3.386in./86mm	Volkswagen
93917R3	4.125in./104.8mm	International	A1D	2.992in./76mm	Mitsubishi
93917R3	5.000in./127mm	International	A1D	3.189in./81mm	Chrysler
952068	4.375in./111.1mm	Chrysler	A1D	3.189in./81mm	Mazda
966441	5.000in./127mm	Case	A1D	3.307in./84mm	Ford
969267	5.000in./127mm	Case	A1D	3.318in./84.3mm	Ford
96TM-AA	2.992in./76mm	Mitsubishi	A1D	3.622in./92mm	Isuzu
96TM-AA	3.189in./81mm	Chrysler	A1D	4.250in./108mm	Ford
96TM-AA	3.189in./81mm	Mazda	A301	2.992in./76mm	Mitsubishi
96TM-AA	3.307in./84mm	Ford	A301	3.189in./81mm	Chrysler
96TM-AA	3.318in./84.3mm	Ford	A301	3.189in./81mm	Mazda
96TM-AA	3.622in./92mm	Isuzu	A301	3.307in./84mm	Ford
96TM-AA	4.250in./108mm	Ford	A301	3.318in./84.3mm	Ford



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
A301	3.622in./92mm	Isuzu	B657	3.307in./84mm	Mazda
A301	4.250in./108mm	Ford	B657	3.346in./85mm	Mazda
A5638R	6.375in./161.9mm	John Deere	B6S	3.307in./84mm	Mazda
A65097	5.000in./127mm	Case	B6S7	3.307in./84mm	Kia
A66772	5.000in./127mm	Case	B7	3.268in./83mm	Toyota
A77147	5.000in./127mm	Case	B9ME-D	3.703in./94.1mm	Ford
A87	3.071in./78mm	Nissan	B9NN	3.600in./91.4mm	Ford
A870	3.071in./78mm	Nissan	B9NN	3.600in./91.4mm	Ford Tractor
A874	3.071in./78mm	Nissan	B9NN-6202-B	3.600in./91.4mm	Ford Tractor
AD	2.992in./76mm	Mitsubishi	B9NN-6302-B	3.600in./91.4mm	Ford Tractor
AD	3.189in./81mm	Chrysler	B9NN-6302-B	4.203in./106.8mm	Ford Tractor
AD	3.189in./81mm	Mazda	BA-6303	3.750in./95.3mm	Ford
AD	3.307in./84mm	Ford	BB-14K	4.000in./101.6mm	Waukesha
AD	3.318in./84.3mm	Ford	BB-38-AX	3.500in./88.9mm	Austin
AD	3.622in./92mm	Isuzu	BB-38-AX	3.504in./89mm	MG
AD	4.250in./108mm	Ford	BB-38-AX	3.504in./89mm	Morris
AY	2.992in./76mm	Mitsubishi	BD-14-A	4.000in./101.6mm	Waukesha
AY	3.189in./81mm	Chrysler	BD-14-K	4.000in./101.6mm	Waukesha
AY	3.189in./81mm	Mazda	BE-53-B	2.677in./68mm	Austin
AY	3.307in./84mm	Ford	BE-53-B	2.992in./76mm	Austin
AY	3.318in./84.3mm	Ford	BE-53-B	2.992in./76mm	MG
AY	3.622in./92mm	Isuzu	BHV	3.189in./81mm	Chrysler
AY	4.250in./108mm	Ford	BP	3.228in./82mm	Isuzu
B	3.268in./83mm	Mazda	BT-79-3	3.500in./88.9mm	Austin
B-1937	4.125in./104.8mm	Buda	BT-79-3	3.504in./89mm	MG
B-2097W	4.125in./104.8mm	Allis Chalmers	BT-79-3	3.504in./89mm	Morris
B-2097W	4.125in./104.8mm	Buda	C	3.150in./80mm	Volvo
B-2097W	4.375in./111.1mm	Buda	C-5145	4.250in./108mm	Hercules
B-2106	4.125in./104.8mm	Allis Chalmers	C0AE-B	3.500in./88.9mm	Ford
B-2106	4.125in./104.8mm	Buda	C0E-A	2.870in./72.9mm	Ford
B-2106	4.375in./111.1mm	Buda	C0E-A	2.953in./75mm	BMW
B-2107	4.125in./104.8mm	Allis Chalmers	C0E-A	3.000in./76.2mm	Ford
B-2107	4.125in./104.8mm	Buda	C0NN	2.500in./63.5mm	Ford
B-2107	4.375in./111.1mm	Buda	C0NN	2.992in./76mm	Chevrolet
B-3200	4.125in./104.8mm	Allis Chalmers	C0NN	3.600in./91.4mm	Ford
B-3200	4.125in./104.8mm	Buda	C0NN	3.600in./91.4mm	Ford Tractor
B-3200	4.375in./111.1mm	Buda	C0NN-C	3.600in./91.4mm	Ford Tractor
B-5960	4.375in./111.1mm	Buda	C1AE	3.781in./96mm	Ford
B-769	4.125in./104.8mm	Buda	C1AE-A	3.781in./96mm	Ford
B301	2.992in./76mm	Mitsubishi	C1AE-B	3.609in./91.7mm	Ford
B301	3.189in./81mm	Chrysler	C1AE-B	3.609in./91.7mm	Ford Tractor
B301	3.189in./81mm	Mazda	C1AE-B	3.781in./96mm	Ford
B301	3.307in./84mm	Ford	C1AE-B	3.906in./99.2mm	Ford
B301	3.318in./84.3mm	Ford	C1AE-B	3.906in./99.2mm	Ford Tractor
B301	3.622in./92mm	Isuzu	C1AE-D	3.781in./96mm	Ford
B301	4.250in./108mm	Ford	C1AE-F	3.609in./91.7mm	Ford
B3C7	3.268in./83mm	Mazda	C1AE-F	3.609in./91.7mm	Ford Tractor
B3C7	3.297in./83.8mm	Ford	C1AE-F	3.906in./99.2mm	Ford
B4A-6303-B	3.268in./83mm	Mazda	C1AE-F	3.906in./99.2mm	Ford Tractor
B4A-6303-B	3.297in./83.8mm	Ford	C1AE-G	3.781in./96mm	Ford
B4A-B	3.268in./83mm	Mazda	C1K	3.150in./80mm	Toyota
B4A-B	3.297in./83.8mm	Ford	C1TE	3.297in./83.8mm	Ford
B5A-6303-B	3.268in./83mm	Mazda	C1TE-6303-B	3.750in./95.3mm	Ford
B5A-6303-B	3.297in./83.8mm	Ford	C1TE-6303-C	4.200in./106.7mm	Ford
B5A-6303-B	3.307in./84mm	Mazda	C1TE-6303B	3.750in./95.3mm	Ford
B5A-6303-B	3.500in./88.9mm	Ford	C1TE-6303B	4.500in./114.3mm	Hercules
B5Q-6303-A	3.297in./83.8mm	Ford	C1TE-6303C	4.200in./106.7mm	Ford
B5Q-6303-A	3.307in./84mm	Mazda	C1TE-6303F1	3.297in./83.8mm	Ford
B5Q-6303-A	3.500in./88.9mm	Ford	C1TE-B	3.750in./95.3mm	Ford
B5Q-6303A	3.500in./88.9mm	Ford	C1TE-B	4.500in./114.3mm	Hercules
B5S-6303-A	3.297in./83.8mm	Ford	C1TE-C	4.200in./106.7mm	Ford
B5S-6303-A	3.307in./84mm	Mazda	C1TE-F	3.297in./83.8mm	Ford
B5S-6303-A	3.500in./88.9mm	Ford	C1TE-F1	3.297in./83.8mm	Ford
B600C-601	3.980in./101.1mm	Continental	C1TE-H	4.031in./102.4mm	Ford
B600C-601	4.375in./111.1mm	Continental	C1VE	3.297in./83.8mm	Ford
B616	3.297in./83.8mm	Ford	C1VE-A	3.297in./83.8mm	Ford
B616	3.307in./84mm	Mazda	C20E-A	2.870in./72.9mm	Ford
B616	3.500in./88.9mm	Ford	C20E-A	2.953in./75mm	BMW
B630	3.268in./83mm	Mazda	C20Z	2.870in./72.9mm	Ford
B630	3.307in./84mm	Mazda	C20Z	2.953in./75mm	BMW
B630	3.346in./85mm	Mazda	C20Z-A	2.870in./72.9mm	Ford
B657	3.268in./83mm	Mazda	C20Z-A	2.953in./75mm	BMW



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
C20Z-A	3.000in./76.2mm	Ford	C30Z	3.000in./76.2mm	Ford
C2AE-2	3.781in./96mm	Ford	C30Z	3.385in./86mm	Pontiac
C2AE-A	3.297in./83.8mm	Ford	C30Z-A	3.125in./79.4mm	Ford
C2AE-B	3.781in./96mm	Ford	C30Z-B	2.870in./72.9mm	Ford
C2AE-D	3.781in./96mm	Ford	C30Z-B	3.385in./86mm	Pontiac
C2DE-A	2.500in./63.5mm	Ford	C30Z-E	3.125in./79.4mm	Ford
C2DE-A	2.938in./74.6mm	Ford	C3TE	4.031in./102.4mm	Ford
C2DE-A	3.125in./79.4mm	Ford	C3TE-6303-B	3.656in./92.9mm	Ford
C2OE	3.781in./96mm	Ford	C3TE-6303-C	3.656in./92.9mm	Ford
C2OE-A	2.870in./72.9mm	Ford	C3TE-6303-D	3.656in./92.9mm	Ford
C2OE-A	3.000in./76.2mm	Ford	C3TE-6303B	3.297in./83.8mm	Ford
C2OZ	2.870in./72.9mm	Ford	C3TE-6303B	3.656in./92.9mm	Ford
C2OZ	2.875in./73mm	Ford	C3TE-6303C	3.297in./83.8mm	Ford
C2OZ	3.000in./76.2mm	Ford	C3TE-6303C	3.656in./92.9mm	Ford
C2OZ-B	2.870in./72.9mm	Ford	C3TE-6303D	3.297in./83.8mm	Ford
C2OZ-B	3.385in./86mm	Pontiac	C3TE-6303D	3.656in./92.9mm	Ford
C2TE-6303-C	3.656in./92.9mm	Ford	C3VE	3.500in./88.9mm	Ford
C2TE-6303A	3.750in./95.3mm	Ford	C3VE	3.703in./94.1mm	Ford
C2TE-6303C	3.297in./83.8mm	Ford	C3VE-A	3.703in./94.1mm	Ford
C2TE-6303C	3.656in./92.9mm	Ford	C4AE	3.500in./88.9mm	Ford
C2TE-A	3.750in./95.3mm	Ford	C4AE-3U	3.781in./96mm	Ford
C2TE-A	4.200in./106.7mm	Ford	C4AE-A	3.500in./88.9mm	Ford
C2TE-A	4.500in./114.3mm	Hercules	C4AE-B	3.781in./96mm	Ford
C2TE-B	4.200in./106.7mm	Ford	C4AE-C	3.781in./96mm	Ford
C2TE-C	3.656in./92.9mm	Ford	C4AE-D	3.781in./96mm	Ford
C2TE-D	3.656in./92.9mm	Ford	C4AE-E	3.781in./96mm	Ford
C2TZ-6303A	3.750in./95.3mm	Ford	C4AE-H	3.781in./96mm	Ford
C2TZ-6303A	4.500in./114.3mm	Hercules	C4AZ-A	3.781in./96mm	Ford
C2TZ-6303B	3.750in./95.3mm	Ford	C4AZ-J	3.781in./96mm	Ford
C2TZ-6303B	4.500in./114.3mm	Hercules	C4TE-6303-A	4.527in./115mm	Ford
C2VE	3.500in./88.9mm	Ford	C4TE-A	3.500in./88.9mm	Ford
C2VE	3.703in./94.1mm	Ford	C4TE-B	3.781in./96mm	Ford
C2VE-A	3.703in./94.1mm	Ford	C4TE-C	4.031in./102.4mm	Ford
C30E-A	2.500in./63.5mm	Ford	C4TE-D	3.500in./88.9mm	Ford
C30E-A	2.938in./74.6mm	Ford	C4TZ-A	3.781in./96mm	Ford
C30E-A	3.125in./79.4mm	Ford	C4TZ-B	3.781in./96mm	Ford
C30E-B	2.870in./72.9mm	Ford	C5AE	3.500in./88.9mm	Ford
C30E-B	2.953in./75mm	BMW	C5AE-A	3.500in./88.9mm	Ford
C30Z	2.870in./72.9mm	Ford	C5AE-C	3.781in./96mm	Ford
C30Z	2.953in./75mm	BMW	C5DE-A	2.500in./63.5mm	Ford
C30Z-A	2.500in./63.5mm	Ford	C5DE-A	2.938in./74.6mm	Ford
C30Z-A	2.938in./74.6mm	Ford	C5DE-A	3.125in./79.4mm	Ford
C30Z-A	3.125in./79.4mm	Ford	C5NE-6303-K	4.203in./106.8mm	Ford Tractor
C30Z-E	2.500in./63.5mm	Ford	C5NE-6303-L	4.203in./106.8mm	Ford Tractor
C30Z-E	2.938in./74.6mm	Ford	C5NE-6303-N	4.406in./112mm	Ford Tractor
C30Z-E	3.125in./79.4mm	Ford	C5NE-6303-R	4.203in./106.8mm	Ford Tractor
C3AE	3.500in./88.9mm	Ford	C5NE-6305	4.203in./106.8mm	Ford Tractor
C3AE	3.781in./96mm	Ford	C5NE6303K	4.203in./106.8mm	Ford Tractor
C3AE-6303-E	3.781in./96mm	Ford	C5NE6303N	4.406in./112mm	Ford Tractor
C3AE-A	3.500in./88.9mm	Ford	C5TE	3.188in./80.98mm	Ford
C3AE-B	3.781in./96mm	Ford	C5TE	3.980in./101.1mm	Ford
C3AE-C	3.781in./96mm	Ford	C5TE-6303C	3.188in./80.98mm	Ford
C3AE-D	3.781in./96mm	Ford	C5TE-6303C	3.980in./101.1mm	Ford
C3AE-E	3.781in./96mm	Ford	C5TE-B	3.188in./80.98mm	Ford
C3AE-F	2.870in./72.9mm	Ford	C5TE-B	3.980in./101.1mm	Ford
C3AE-F	2.953in./75mm	BMW	C5TE-C	3.188in./80.98mm	Ford
C3AE-F	3.000in./76.2mm	Ford	C5TE-C	3.980in./101.1mm	Ford
C3AE-G	3.781in./96mm	Ford	C5TE-F	3.188in./80.98mm	Ford
C3AE-M	3.609in./91.7mm	Ford	C5TE-F	3.980in./101.1mm	Ford
C3AE-M	3.609in./91.7mm	Ford Tractor	C5TE-G	3.188in./80.98mm	Ford
C3AE-M	3.906in./99.2mm	Ford	C5TE-G	3.980in./101.1mm	Ford
C3AE-M	3.906in./99.2mm	Ford Tractor	C5TZ-A	3.188in./80.98mm	Ford
C3AE-N	3.609in./91.7mm	Ford	C5TZ-A	3.980in./101.1mm	Ford
C3AE-U	3.781in./96mm	Ford	C5TZ-B	3.188in./80.98mm	Ford
C3AF-N	2.870in./72.9mm	Ford	C5TZ-B	3.980in./101.1mm	Ford
C3AF-N	3.385in./86mm	Pontiac	C6AE-A	3.781in./96mm	Ford
C3AZ	3.781in./96mm	Ford	C6AE-B	3.781in./96mm	Ford
C3OE-A	3.125in./79.4mm	Ford	C6AE-D	3.500in./88.9mm	Ford
C3OE-B	2.870in./72.9mm	Ford	C6AE-D	3.781in./96mm	Ford
C3OE-B	3.000in./76.2mm	Ford	C6AE-E	3.188in./80.98mm	Ford
C3OE-B	3.385in./86mm	Pontiac	C6AE-E	3.980in./101.1mm	Ford
C3OZ	2.870in./72.9mm	Ford	C6TE-6303G	3.188in./80.98mm	Ford



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
C6TE-6303G	3.980in./101.1mm	Ford	D7AE	3.500in./88.9mm	Ford
C6TE-A	3.500in./88.9mm	Ford	D7AE-A	3.500in./88.9mm	Ford
C6TE-C	3.781in./96mm	Ford	D9NN-6110-AA	4.400in./111.8mm	Ford Tractor
C6TE-D	3.500in./88.9mm	Ford	D9NN-6303-A	4.400in./111.8mm	Ford Tractor
C6TE-E	3.781in./96mm	Ford	D9NN-6303-AA	4.400in./111.8mm	Ford Tractor
C6TE-G	3.188in./80.98mm	Ford	D9TE-AA	3.000in./76.2mm	Ford
C6TE-G	3.980in./101.1mm	Ford	D9TE-AA	3.590in./91.2mm	Ford
C6VE-6303-A	3.830in./97.3mm	Ford	D9TE-B	3.590in./91.2mm	Ford
C7NN-6303	4.400in./111.8mm	Ford Tractor	D9TE-BA	3.590in./91.2mm	Ford
C7NN-6303-A	4.400in./111.8mm	Ford Tractor	D9TE-EA	3.000in./76.2mm	Ford
C7TE	3.781in./96mm	Ford	D9TE-EA	3.590in./91.2mm	Ford
C7TE-A	3.500in./88.9mm	Ford	DCI	3.268in./83mm	Mazda
C7TE-B	3.781in./96mm	Ford	DE-34286	6.500in./165.1mm	Allis Chalmers
C7TE-E	3.781in./96mm	Ford	DE-34286	6.500in./165.1mm	Buda
C7TE-EA	3.781in./96mm	Ford	DE-61324	6.500in./165.1mm	Allis Chalmers
C80E-B	3.000in./76.2mm	Ford	DE-61324	6.500in./165.1mm	Buda
C8AE-A	3.500in./88.9mm	Ford	DE-63043	6.500in./165.1mm	Allis Chalmers
C8AE-B	3.781in./96mm	Ford	DE-63043	6.500in./165.1mm	Buda
C8SE-A	3.000in./76.2mm	Ford	DE-63908	6.500in./165.1mm	Allis Chalmers
C8SE-A	3.590in./91.2mm	Ford	DE-63908	6.500in./165.1mm	Buda
C8VE	3.850in./97.8mm	Ford	DE-64786	6.500in./165.1mm	Allis Chalmers
C8VE-A	3.850in./97.8mm	Ford	DE-64786	6.500in./165.1mm	Buda
C90E-A	3.500in./88.9mm	Ford Windsor	DE-65968	6.500in./165.1mm	Allis Chalmers
C90E-A	in./mm	Ford Windsor	DE-65968	6.500in./165.1mm	Buda
C9AE-A	3.000in./76.2mm	Ford	DE-66233	6.500in./165.1mm	Allis Chalmers
C9AE-A	3.590in./91.2mm	Ford	DE-66233	6.500in./165.1mm	Buda
C9AE-B	3.000in./76.2mm	Ford	DK	3.189in./81mm	Chrysler
C9AE-B	3.590in./91.2mm	Ford	DOAE-A	3.500in./88.9mm	Ford Cleveland
C9DE-A	3.906in./99.2mm	Ford	DOHC	3.307in./84mm	Mazda
C9OE-A	3.500in./88.9mm	Ford Windsor	DOT-EA	3.500in./88.9mm	Ford
C9TE	3.297in./83.8mm	Ford	E	3.228in./82mm	Isuzu
C9TE-A	3.297in./83.8mm	Ford	E-B7-JL	4.016in./102mm	Toyota
C9ZE-6303-A	3.000in./76.2mm	Ford	E1	2.992in./76mm	Mitsubishi
C9ZE-A	3.000in./76.2mm	Ford	E1AE	3.000in./76.2mm	Ford
C9ZE-C	3.703in./94.1mm	Ford	E1AE-AA	3.000in./76.2mm	Ford
C9ZE-D	3.703in./94.1mm	Ford	E1BE-BB	3.125in./79.4mm	Ford
CA-55	3.250in./82.6mm	Wisconsin	E1BE-CC	3.125in./79.4mm	Ford
CA-68	3.250in./82.6mm	Military Standard	E1EE	3.125in./79.4mm	Ford
CA-68	3.250in./82.6mm	Wisconsin	E1EE-AB	3.125in./79.4mm	Ford
CA-69D	4.000in./101.6mm	Wisconsin	E22E-BA	3.125in./79.4mm	Ford
CA-70	3.250in./82.6mm	Military Standard	E2AE	3.386in./86mm	Ford
CA-70	3.250in./82.6mm	Wisconsin	E2AE-AF	3.386in./86mm	Ford
CA-71-C	3.250in./82.6mm	Military Standard	E2AE-DB	3.386in./86mm	Ford
CA-71-C	3.250in./82.6mm	Wisconsin	E2ZE-BA	3.125in./79.4mm	Ford
CE-401-A	5.000in./127mm	Minneapolis Moline	E3140	2.913in./74mm	Nissan
CF446-766C-1	3.750in./95.3mm	International	E3141	2.913in./74mm	Nissan
CTR-CB	2.500in./63.5mm	Ford	E3142	2.913in./74mm	Nissan
CTR-CB	2.938in./74.6mm	Ford	E3AA-AA	3.386in./86mm	Ford
D	3.125in./79.4mm	Ford	E3AE	3.386in./86mm	Ford
D0TE-A	3.500in./88.9mm	Ford	E3AE-AA	3.386in./86mm	Ford
D0ZE-6303-A	3.000in./76.2mm	Ford	E3EE	3.125in./79.4mm	Ford
D1742	3.465in./88mm	Nissan	E3EE-AA	3.125in./79.4mm	Ford
D186C-300	3.980in./101.1mm	Continental	E3HN-6303-AA	4.400in./111.8mm	Ford Tractor
D186C-300	4.375in./111.1mm	Continental	E3HN-6303-AB	4.400in./111.8mm	Ford Tractor
D1NL	3.600in./91.4mm	Ford Tractor	E43E-AC	3.125in./79.4mm	Ford
D1NL	4.203in./106.8mm	Ford Tractor	E4AE-BA	3.500in./88.9mm	Ford Windsor
D1TE-A	3.500in./88.9mm	Ford	E4EE-AA	3.125in./79.4mm	Ford
D1TE-B	3.781in./96mm	Ford	E4EEAA	3.125in./79.4mm	Ford
D2TE-A	3.500in./88.9mm	Ford	E4ZE-AC	3.125in./79.4mm	Ford
D2TE-AA	3.500in./88.9mm	Ford	E501	3.150in./80mm	Mazda
D2TE-EA	3.781in./96mm	Ford	E5734-JN	5.000in./127mm	Cummins
D3TE-AA	3.781in./96mm	Ford	E5734JN	3.125in./79.4mm	Ford
D600C-218	3.980in./101.1mm	Continental	E5EE-AA	3.460in./87.9mm	Ford
D600C-218	4.375in./111.1mm	Continental	E5EE-BA	3.460in./87.9mm	Ford
D600C-368	3.980in./101.1mm	Continental	E5HN-6303-AC	5.200in./132mm	Ford
D600C-368	4.375in./111.1mm	Continental	E5HN-6303-AD	5.200in./132mm	Ford
D600C-601	3.980in./101.1mm	Continental	E5HN-6303-CC	5.200in./132mm	Ford
D600C-601	4.375in./111.1mm	Continental	E5NN-6303-CA	4.400in./111.8mm	Ford Tractor
D600C-602	3.980in./101.1mm	Continental	E5NN-6303-FA	4.400in./111.8mm	Ford Tractor
D600C-602	4.375in./111.1mm	Continental	E5NN-6306-N	4.406in./112mm	Ford Tractor
D600C-603	3.980in./101.1mm	Continental	E63E-AA	3.578in./90.8mm	Ford
D600C-603	4.375in./111.1mm	Continental	E63E-AB	3.578in./90.8mm	Ford



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
E65EBB39D	3.540in./89.9mm	Ford	ECZ	3.438in./87.3mm	Ford
E65EBB39D	3.542in./90mm	Ford	EDC	3.297in./83.8mm	Ford
E6AE-A	3.150in./80mm	Ford	EDD	3.500in./88.9mm	Ford
E6AE-AH	3.150in./80mm	Ford	EDF	3.297in./83.8mm	Ford
E6AE-B	3.150in./80mm	Ford	EDG	3.703in./94.1mm	Ford
E6AE-C	3.150in./80mm	Ford	EDG-6303	3.703in./94.1mm	Ford
E6AE-W	3.150in./80mm	Ford	EDJ	3.703in./94.1mm	Ford
E6EE-AA	3.125in./79.4mm	Ford	EDL	3.750in./95.3mm	Ford
E6HN-6303-CB	4.400in./111.8mm	Ford	EDL	4.500in./114.3mm	Hercules
E6HN-6303-CC	4.400in./111.8mm	Ford	EDL-6303-A	3.750in./95.3mm	Ford
E7AE	3.000in./76.2mm	Ford	EDL-6303A	3.750in./95.3mm	Ford
E7AE-AA	3.000in./76.2mm	Ford	EDL-6303A	4.500in./114.3mm	Hercules
E7BB	3.460in./87.9mm	Ford	EDM	3.500in./88.9mm	Ford
E7EE-BB	3.460in./87.9mm	Ford	EDN	4.200in./106.7mm	Ford
E7EE-CK	3.460in./87.9mm	Ford	EDN-6303-A	4.200in./106.7mm	Ford
E7EE-EK	3.460in./87.9mm	Ford	EDN-6303A	4.200in./106.7mm	Ford
E88E-AB	3.125in./79.4mm	Ford	EDS	3.703in./94.1mm	Ford
E88EAB	3.125in./79.4mm	Ford	EE-351	5.000in./127mm	Minneapolis Moline
E89E-AB	3.125in./79.4mm	Ford	EN438	4.203in./106.8mm	Ford Tractor
E89EAB	3.125in./79.4mm	Ford	EW	3.465in./88mm	Mitsubishi
E8EEAB	3.125in./79.4mm	Ford	F0600C-600	4.375in./111.1mm	Continental
E9DE-BA	3.386in./86mm	Ford	F0SE-AA	3.386in./86mm	Ford
E9DE-BB	3.386in./86mm	Ford	F140C-303	4.375in./111.1mm	Continental
E9SE-CB	3.386in./86mm	Ford	F162C-319	4.375in./111.1mm	Continental
EAA	3.609in./91.7mm	Ford	F181 KE	4.161in./105.7mm	Ford Windsor
EAA	3.609in./91.7mm	Ford Tractor	F186C-300	3.980in./101.1mm	Continental
EAA	3.906in./99.2mm	Ford	F186C-300	4.375in./111.1mm	Continental
EAA	3.906in./99.2mm	Ford Tractor	F1910R	6.375in./161.9mm	John Deere
EAA-6303B	3.609in./91.7mm	Ford	F1AE-AD	3.540in./89.9mm	Ford
EAB	3.750in./95.3mm	Ford	F1AE-AD	3.542in./90mm	Ford
EAB-6303	3.500in./88.9mm	Ford	F1AE-AD	3.980in./101.1mm	Ford
EAD	3.500in./88.9mm	Ford	F1AE-AD-5D	3.542in./90mm	Ford
EAD-6303-C	3.500in./88.9mm	Ford	F1AE-AD-7D	3.542in./90mm	Ford
EAD-6303C	3.500in./88.9mm	Ford	F1AE-AD-8D	3.542in./90mm	Ford
EAF	3.600in./91.4mm	Ford	F1AE-AE	3.540in./89.9mm	Ford
EAF	3.600in./91.4mm	Ford Tractor	F1AE-AE	3.542in./90mm	Ford
EAF	4.375in./111.1mm	Ford	F1EA-AE	3.542in./90mm	Ford
EAM	3.500in./88.9mm	Ford	F201	3.701in./94mm	Mazda
EB7JL	4.016in./102mm	Toyota	F2729R	6.375in./161.9mm	John Deere
EBF	3.609in./91.7mm	Ford	F2792R	6.375in./161.9mm	John Deere
EBF	3.609in./91.7mm	Ford Tractor	F3315R	6.375in./161.9mm	John Deere
EBF	3.906in./99.2mm	Ford	F3560R	6.375in./161.9mm	John Deere
EBF	3.906in./99.2mm	Ford Tractor	F3561R	6.375in./161.9mm	John Deere
EBJ	3.500in./88.9mm	Ford	F3TE-BA	3.590in./91.2mm	Ford
EBP	3.609in./91.7mm	Ford	F400C-209	3.980in./101.1mm	Continental
EBP	3.609in./91.7mm	Ford Tractor	F400C-209	4.375in./111.1mm	Continental
EBP	3.906in./99.2mm	Ford	F400C-222	4.375in./111.1mm	Continental
EBP	3.906in./99.2mm	Ford Tractor	F400C-228	4.375in./111.1mm	Continental
EBU	3.100in./78.7mm	Ford	F400C-314	4.375in./111.1mm	Continental
EBU	3.750in./95.3mm	Ford	F400C-321	4.375in./111.1mm	Continental
EBU-6303-A	3.100in./78.7mm	Ford	F400C-324	4.375in./111.1mm	Continental
EBU-6303-B	3.297in./83.8mm	Ford	F400C-359	4.375in./111.1mm	Continental
EBU-6303-B	3.656in./92.9mm	Ford	F400C-368	4.375in./111.1mm	Continental
EBU-6303B	3.297in./83.8mm	Ford	F400C-500	4.375in./111.1mm	Continental
EBU-6303B	3.656in./92.9mm	Ford	F400C-501	4.375in./111.1mm	Continental
EC	3.297in./83.8mm	Ford	F400C-503	4.375in./111.1mm	Continental
ECE	3.438in./87.3mm	Ford	F400C-509	4.375in./111.1mm	Continental
ECG	3.438in./87.3mm	Ford	F401C-302	4.375in./111.1mm	Continental
ECG-6303-B	3.297in./83.8mm	Ford	F401C-403	4.375in./111.1mm	Continental
ECK	3.438in./87.3mm	Ford	F4SE-BB	3.386in./86mm	Ford
ECK-6303-B	3.297in./83.8mm	Ford	F5	3.150in./80mm	Yamaha
ECS	3.297in./83.8mm	Ford	F5	3.268in./83mm	Nissan
ECS	3.656in./92.9mm	Ford	F58E	3.150in./80mm	Ford
ECT	3.297in./83.8mm	Ford	F58E-AA	3.150in./80mm	Ford
ECT	3.500in./88.9mm	Ford	F58E-B	3.150in./80mm	Ford
ECT-6303-C	3.297in./83.8mm	Ford	F5AE-AA	3.150in./80mm	Ford
ECT-6303C	3.656in./92.9mm	Ford	F5DE	3.150in./80mm	Ford
ECU	3.297in./83.8mm	Ford	F5TZ-6012-AA	3.307in./84mm	Ford
ECU	3.656in./92.9mm	Ford	F600C-217	4.375in./111.1mm	Continental
ECU-6303	3.297in./83.8mm	Ford	F600C-243	4.375in./111.1mm	Continental
ECU-6303	3.656in./92.9mm	Ford	F600C-344	4.375in./111.1mm	Continental
ECU-6303-B	3.297in./83.8mm	Ford	F600C-368	4.375in./111.1mm	Continental



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
F600C-500A	4.375in./111.1mm	Continental	JE	3.031in./77mm	Mazda
F600C-502	4.375in./111.1mm	Continental	JG	3.150in./80mm	Toyota
F600C-502A	4.375in./111.1mm	Continental	JPHM	3.701in./94mm	Mazda
F600C-504	4.375in./111.1mm	Continental	K	3.268in./83mm	Mazda
F600C-506A	4.375in./111.1mm	Continental	K-101	3.031in./77mm	Suzuki
F600C-536	4.375in./111.1mm	Continental	K-24504	4.000in./101.6mm	Waukesha
F600C-600	4.375in./111.1mm	Continental	K-N	3.543in./90mm	Suzuki
F600C-601	4.375in./111.1mm	Continental	K600C-303	3.750in./95.3mm	Continental
F600C-606A	4.375in./111.1mm	Continental	K600C-303	4.375in./111.1mm	Continental
F600C-606C	4.375in./111.1mm	Continental	K600C-303	4.625in./117.5mm	Continental
F65E-BB	3.542in./90mm	Ford	K600C-600	4.813in./122.3mm	Continental
F75E-AD	4.161in./105.7mm	Ford Windsor	KE-401-B	5.000in./127mm	Minneapolis Moline
FE-01	3.386in./86mm	Mazda	KL	2.913in./74mm	Mazda
FE-4D	6.000in./152.4mm	Minneapolis Moline	KN	3.543in./90mm	Suzuki
FE-50	3.386in./86mm	Mazda	KN224	3.031in./77mm	Isuzu
FE-50	3.701in./94mm	Mazda	L-1-M	3.150in./80mm	Toyota
FE-50	3.858in./98mm	Mazda	L-1M	3.346in./85mm	Toyota
FE01	3.858in./98mm	Mazda	L1	3.502in./89mm	Toyota
FE201	3.701in./94mm	Mazda	L1	3.504in./89mm	Toyota
FS-2	3.622in./92mm	Mazda	L1K	3.150in./80mm	Toyota
FS07	3.622in./92mm	Mazda	L1M	3.150in./80mm	Toyota
G-1-U	3.150in./80mm	Toyota	L20	2.598in./66mm	Toyota
G-10071	4.125in./104.8mm	Case	L3	2.598in./66mm	Toyota
G-11071	4.125in./104.8mm	Case	LD427C-501	4.875in./123.8mm	Continental
G-11700	4.125in./104.8mm	Case	LE-401	6.000in./152.4mm	Minneapolis Moline
G-11707	4.125in./104.8mm	Case	LH	3.701in./94mm	Mazda
G-11709	4.125in./104.8mm	Case	M1692T	4.000in./101.6mm	John Deere
G-11740	4.125in./104.8mm	Case	M3114T	4.000in./101.6mm	John Deere
G-11741	4.125in./104.8mm	Case	M450T	4.000in./101.6mm	John Deere
G-11741	4.391in./111.5mm	International	M600C-203	3.750in./95.3mm	Continental
G1	3.228in./82mm	Mitsubishi	M600C-203	4.375in./111.1mm	Continental
G157C-600	4.375in./111.1mm	Continental	M600C-203	4.625in./117.5mm	Continental
G176C-300	4.375in./111.1mm	Continental	M600C-302	3.750in./95.3mm	Continental
G193C-202	4.375in./111.1mm	Continental	M600C-302	4.375in./111.1mm	Continental
G1U	3.150in./80mm	Toyota	M600C-302	4.625in./117.5mm	Continental
G37	3.386in./86mm	Mitsubishi	M600C-303	3.750in./95.3mm	Continental
G37	3.465in./88mm	Mitsubishi	M600C-303	4.375in./111.1mm	Continental
G37	3.504in./89mm	Mitsubishi	M600C-303	4.625in./117.5mm	Continental
G46	2.756in./70mm	Toyota	M600C-335	4.813in./122.3mm	Continental
G52	3.543in./90mm	Mitsubishi	M600C-501	3.750in./95.3mm	Continental
G52	3.858in./98mm	Mitsubishi	M600C-501	4.375in./111.1mm	Continental
G54	3.543in./90mm	Mitsubishi	M600C-501	4.625in./117.5mm	Continental
G54	3.858in./98mm	Mitsubishi	M600C-503	3.750in./95.3mm	Continental
G6	3.465in./88mm	Mitsubishi	M600C-503	4.375in./111.1mm	Continental
G9-37	2.756in./70mm	Toyota	M600C-503	4.625in./117.5mm	Continental
GD192C-600	4.375in./111.1mm	Continental	MB3C7	3.189in./81mm	Mazda
GE	3.465in./88mm	Mitsubishi	MFF	3.150in./80mm	Toyota
GET	3.071in./78mm	Toyota	N	3.502in./89mm	Toyota
GN	3.701in./94mm	Mazda	N	3.504in./89mm	Toyota
GPW	4.375in./111.1mm		N140966	3.600in./91.4mm	Chevrolet
GS-M	3.000in./76.2mm	Ford	N353039	4.000in./101.6mm	Chevrolet
H	3.000in./76.2mm	Ford	N3937	3.600in./91.4mm	Chevrolet
H	3.590in./91.2mm	Ford	N393775	3.600in./91.4mm	Chevrolet
H1040	2.756in./70mm	Nissan	N3941352	3.600in./91.4mm	Chevrolet
H1285	6.000in./152.4mm	Cummins	N62C-500	3.500in./88.9mm	Continental
H1285-1	6.000in./152.4mm	Cummins	N853039	4.000in./101.6mm	Chevrolet
H260C-602	5.500in./139.7mm	Continental	N853638	4.000in./101.6mm	Chevrolet
H260C-603	5.500in./139.7mm	Continental	NF	3.071in./78mm	Toyota
H2907	6.000in./152.4mm	Cummins	NH0123	6.000in./152.4mm	Cummins
H5671	6.000in./152.4mm	Cummins	NXT	3.071in./78mm	Toyota
H5671-1	6.000in./152.4mm	Cummins	O-191561	3.500in./88.9mm	Chevrolet
H6240	3.031in./77mm	Nissan	OBA	3.750in./95.3mm	Ford
H8940	3.031in./77mm	Nissan	OK	3.543in./90mm	Suzuki
H9740	3.031in./77mm	Nissan	OWG	3.622in./92mm	Nissan
HD260C-204	4.875in./123.8mm	Continental	P	3.938in./100mm	Chevrolet
HD260C-204	5.500in./139.7mm	Continental	P1	2.992in./76mm	Mitsubishi
HD260C-424	4.875in./123.8mm	Continental	P1428	3.000in./76.2mm	Onan
HD260C-424	5.500in./139.7mm	Continental	P1554	3.000in./76.2mm	Onan
HE-401-A	6.000in./152.4mm	Minneapolis Moline	P3040	3.110in./79mm	Nissan
HU	3.590in./91.2mm	Ford	PG-38-A	3.500in./88.9mm	Austin
IBA	3.750in./95.3mm	Ford	PG-38-A	3.504in./89mm	MG
ICM	4.000in./101.6mm	Ford	PG-38-A	3.504in./89mm	Morris



CRANKSHAFT FORGING NUMBERS

Forging No.	Bore & Stroke	Manufacturer	Forging No.	Bore & Stroke	Manufacturer
PROBE	3.701in./94mm	Mazda	T23516T	4.330in./110mm	John Deere
R12	2.598in./66mm	Toyota	T23517T	4.328in./109.9mm	John Deere
R14	2.598in./66mm	Toyota	T27	3.150in./80mm	Toyota
R26530R	4.000in./101.6mm	John Deere	T28743	4.328in./109.9mm	John Deere
R36530R	5.000in./127mm	John Deere	T3A	2.992in./76mm	Mitsubishi
R9028036	3.385in./86mm	Pontiac	T499T	3.500in./88.9mm	John Deere
R90280395	3.385in./86mm	Pontiac	T632T	3.500in./88.9mm	John Deere
R90280399	3.385in./86mm	Pontiac	T633T	3.500in./88.9mm	John Deere
R9028399	3.385in./86mm	Pontiac	U-3086	4.000in./101.6mm	Allis Chalmers
RD51261	3.438in./87.3mm	American Motors	U-3186	4.000in./101.6mm	Allis Chalmers
RD51261	3.438in./87.33mm	American Motors	U-3194	4.000in./101.6mm	Allis Chalmers
RD67703	3.906in./99.2mm	American Motors	U-3967	5.000in./127mm	Detroit Diesel
RDJ1261	3.438in./87.33mm	American Motors	U27	3.150in./80mm	Toyota
RFE 6AE	3.150in./80mm	Ford	U6040	3.071in./78mm	Nissan
RFF1AE6306-AD	3.540in./89.9mm	Ford	U6040	3.386in./86mm	Nissan
RFF1AE6306-AD	3.542in./90mm	Ford	V-520D	3.750in./95.3mm	Case
RRYEINGU	3.740in./95mm	Triumph	V-520D	3.750in./95.3mm	Case
S2	3.502in./89mm	Toyota	VG30	3.268in./83mm	Nissan
S2	3.504in./89mm	Toyota	VT-3201	3.750in./95.3mm	Case
SM	3.500in./88.9mm	Ford	XBRO-1145	3.125in./79.4mm	Ford
T13048T	3.000in./76.2mm	John Deere	Y112C-300	3.500in./88.9mm	Continental
T17885T	3.000in./76.2mm	John Deere	Y400C-213	3.500in./88.9mm	Continental
T23246T	4.328in./109.9mm	John Deere	Y400C-216	3.500in./88.9mm	Continental
T23246T	4.330in./110mm	John Deere	Y400C-225	3.500in./88.9mm	Continental
T23266T	4.328in./109.9mm	John Deere	Y400C-226	3.500in./88.9mm	Continental
T23266T	4.330in./110mm	John Deere	Y400C-334	3.500in./88.9mm	Continental
T23267	4.328in./109.9mm	John Deere	Y400C-335	3.500in./88.9mm	Continental
T23267	4.330in./110mm	John Deere	Y400C-338	3.500in./88.9mm	Continental
T23277T	4.328in./109.9mm	John Deere	Y400C-508	3.500in./88.9mm	Continental
T23277T	4.330in./110mm	John Deere	Y400C-511	3.500in./88.9mm	Continental
T23479T	4.328in./109.9mm	John Deere	Y400C-511D	3.500in./88.9mm	Continental
T23479T	4.330in./110mm	John Deere	Z120-500	3.750in./95.3mm	Continental
T23480T	4.328in./109.9mm	John Deere	Z120C-500	3.750in./95.3mm	Continental
T23483T	3.858in./98mm	John Deere	Z129C-205	3.875in./98.4mm	Continental
T23483T	4.328in./109.9mm	John Deere	Z129C-500	3.875in./98.4mm	Continental
T23484T	3.858in./98mm	John Deere	Z134C-500	3.875in./98.4mm	Continental
T23484T	4.328in./109.9mm	John Deere	ZYA	3.000in./76.2mm	Ford
T23516T	4.328in./109.9mm	John Deere	ZYA	3.590in./91.2mm	Ford



Chrysler Car

Model Year and Engine Identification

1981-05 Model Years	
1B3 BD21DX B A 100001	

Engine Code Model Year
8th Symbol 10th Symbol

1977-80 Model Years	
PM23E 7 123456	

Engine Code Model Year
5th Symbol 6th Symbol

Model Year Code			
Code	Year	Code	Year
A	1980	P	1993
B	1981	R	1994
C	1982	S	1995
D	1983	T	1996
E	1984	V	1997
F	1985	W	1998
G	1986	X	1999
H	1987	Y	2000
J	1988	1	2001
K	1989	2	2002
L	1990	3	2003
M	1991	4	2004
N	1992	5	2005

VIN	Years	Cyl	CID	Liters	Engine Description
A	1984	4	86	1.4	2BC SOHC
A	91-94	4	92	1.5	MPFI SOHC
A	83-86	4	97	1.6	2BC OHV
A	95-98	4	1800cc	1.8	SEFI SOHC
A	78-82	4	105	1.7	2BC SOHC
A	87-89	4	135	2.2	TBI SOHC
A	91-93	4	135	2.2	MPFI DOHC
B	1984	4	98	1.6	2BC SOHC
B	82-83	4	105	1.7	2BC SOHC
B	92-94	4	107	1.8	EFI SOHC
B	81-82	4	135	2.2	2BC SOHC
B	96-05	4	148	2.4	MPFI DOHC
B	91-92	V6	181	3.0	MPFI SOHC
C	93-94	4	112	1.8	MPFI DOHC
C	95-05	4	122	2.0	MPFI SOHC
C	82-88	4	135	2.2	2BC SOHC
C	89-90	4	135	2.2	MPFI TC SOHC
C	91-92	V6	181	3.0	MPFI TC DOHC
C	75-81	6	225	3.7	2BC OHV
D	1992	4	112	1.8	MPFI SOHC
D	84-89	4	122	2.0	2BC SOHC
D	83-94	4	135	2.2	TBI SOHC
D	81-82	4	156	2.6	2BC SOHC
D	77-80	6	225	3.7	2BC OHV
E	84-89	4	135	2.2	MPFI TC SOHC
E	2005	4	148	2.4	MPFI TCI DOHC
E	81-83	6	225	3.7	1BC OHV
E	92-02	V10	488	8.0	MPFI OHV

VIN	Years	Cyl	CID	Liters	Engine Description
F	84-90	4	98	1.6	MPFI TC SOHC
F	90-94	4	122	2.0	MPFI TC DOHC
F	01-04	4	122	2.0	MPFI SOHC
F	83-85	4	135	2.2	2BC SOHC
F	78-83	4	156	2.6	2BC SOHC
F	93-97	V6	215	3.5	MPFI SOHC
G	01-05	4	143	2.4	EFI DOHC
G	03-05	4	148	2.4	MPFI TCI DOHC
G	93-94	4	144	2.4	MPFI SOHC
G	83-87	4	156	2.6	2BC SOHC
G	99-05	V6	215	3.5	MPFI SOHC
G	75-81	V8	318	5.2	2BC OHV
G	77-78	V8	400	6.6	2BC OHV
H	95-00	V6	153	2.5	MPFI SOHC
H	78-80	V8	318	2.5	4BC OHV
H	1990	4	153	2.5	TBI SOHC
H	84-87	4	156	2.6	SFI TC SOHC
H	01-05	V6	181	3.0	MPFI SOHC
H	93-96	V6	181	3.0	MPFI SOHC
H	81-87	6	225	3.7	1BC OHV
H	2005	V8	345	5.7	SEFI OHV
J	79-84	4	86	1.4	2BC SOHC
J	89-93	4	153	2.5	TCI MPFI SOHC
J	1993	V6	181	3.0	MPFI DOHC
J	93-96	V6	181	3.0	MPFI DOHC
J	98-01	V6	197	3.2	MPFI SOHC
J	1981	V8	318	5.2	4BC OHV
J	81-82	V8	318	5.2	EFI OHV



Chrysler Car

Model Year and Engine Identification (Cont.)

VIN	Years	Cyl	CID	Liters	Engine Description
J	74-79	V8	360	5.9	4BC OHV
K	85-91	4	92	1.5	2BC SOHC
K	71-82	4	98	1.6	2BC SOHC
K	86-95	4	153	2.5	TBI SOHC
K	93-96	V6	181	3.0	MPFI TC DOHC
K	02-04	V6	215	3.5	MPFI SOHC
K	81-82	V8	318	5.2	2BC OHV
K	75-80	V8	360	5.9	2BC OHV
L	04-05	V6	3199cc	3.2	MPFI SOHC
L	91-05	V6	230	3.8	MPFI OHV
L	81-82	V8	318	5.2 *	2BC OHV
L	75-80	V8	360	5.9	4BC ** OHV
M	02-04	V6	215	3.5	MPFI SOHC
M	80-82	V8	318	5.2	4BC OHV
N	95-97	4	122	2.0	MPFI SOHC
N	95-00	V6	153	2.5	MPFI SOHC
N	85-89	4	156	2.6	MPFI TCI SOHC
N	2005	V6	3199cc	3.2	MPFI SOHC
N	81-82	V8	318	5.2	4BC OHV
N	1983	V8	318	5.2	EFI OHV
N	74-78	V8	400	6.6	4BC OHV
P	87-88	4	92	1.5	MPFI SOHC
P	78-89	V8	318	5.2	2BC OHV
P	74-78	V8	400	6.6	4BC OHV
R	89-90	4	135	2.2	MPFI TC DOHC
R	98-03	V6	167	2.7	MPFI DOHC
R	90-05	V6	201	3.3	MPFI OHV
R	80-87	V8	318	5.2	4BC OHV
S	03-05	4	148	2.4	MPFI TCI DOHC
S	89-92	V6	181	3.0	MPFI SOHC
S	83-89	V8	318	5.2	4BC OHV
T	89-94	4	107	1.8	MPFI SOHC

VIN	Years	Cyl.	CID	Liters	Engine Description
T	2005	V6	167	2.7	MPFI DOHC
T	2003	V6	167	2.7	MPFI FFV DOHC
T	93-97	V6	201	3.3	MPFI OHV
T	72-78	V8	440	7.2	4BC OHV
U	74-81	4	122	2.0	2BC SOHC
U	98-01	V6	167	2.7	SEFI DOHC
U	90-92	V6	182	3.0	MPFI SOHC
U	94-95	V6	201	3.3	MPFI FFV OHV
U	75-78	V8	440	7.2 **	2BC OHV
V	1990	4	98	1.6	MPFI DOHC
V	89-91	4	122	2.0	MPFI SOHC
V	93-94	4	153	2.5	MPFI FFV SOHC
V	01-03	V6	215	3.5	MPFI SOHC
V	2005	V6	215	3.5	MPFI OHV
W	90-92	4	144	2.4	MPFI SOHC
W	92-95	4	153	2.5	TBI SOHC
W	2005	V8	370	6.1	MPFI OHV
X	89-90	4	92	1.5	MPFI SOHC
X	95-05	4	148	2.4	MPFI DOHC
Y	89-90	4	98	1.6	MPFI DOHC
Y	95-99	4	122	2.0	MPFI DOHC
Z	77-79	4	98	1.6	2BC SOHC
Z	89-90	4	98	1.6	MPFI TC DOHC
Z	79-80	V8	360	5.9	4BC OHV
Z	03-05	V10	505	8.3	MPFI OHV
2	82-83	4	86	1.4	2BC SOHC
2	2005	V8	345	5.7	SEFI OHV
3	82-83	4	98	1.6	2BC SOHC
3	87-00	V6	181	3.0	MPFI SOHC
4	83-89	V8	318	5.2	2BC OHV
8	04-05	4	148	2.4	MPFI TCI DOHC
8	1986	4	135	2.2	2BC SOHC

- * Special Order
- ** High Performance
- DI Direct Injection
- EFI Electronic Fuel Injection
- FFV Flex Fuel Vehicle
- MPFI Multi-port Fuel Injection
- SEFI Sequential Electronic Fuel Injection
- TC Turbocharged
- TCI Turbocharged Intercooled
- TBI Throttle Body Injection



Dodge Truck

Model Year and Engine Identification

1981-05 Model Years	
1B3 BD21DX B A 100001	

Engine Code Model Year
8th Symbol 10th Symbol

1977-80 Model Years	
PM23E 7 123456	

Engine Code Model Year
5th Symbol 6th Symbol

Model Year Code			
Code	Year	Code	Year
A	1980	P	1993
B	1981	R	1994
C	1982	S	1995
D	1983	T	1996
E	1984	V	1997
F	1985	W	1998
G	1986	X	1999
H	1987	Y	2000
J	1988	1	2001
K	1989	2	2002
L	1990	3	2003
M	1991	4	2004
N	1992	5	2005

VIN	Years	Cyl	CID	Liters	Engine Description
A	73-80	V8	440	7.2	4BC OHV
B	82-83	4	105	1.7	2BC SOHC
B	96-05	4	148	2.4	DOHC MPFI
B	70-80	6	225	3.7	2BC OHV
B	74-80	V8	400	6.6	2BC OHV
C	82-88	4	135	2.2	2BC SOHC
C	78-80	6	225	3.7	1BC OHV
C	90-96	6	359	5.9	Diesel TCI OHV
C	03-05	6	359	5.9	HO Diesel TCI OHV
D	84-89	4	122	2.0	SOHC 3BC
D	03-05	V8	345	5.7	Hemi SEFI
D	97-98	6	359	5.9	Diesel TCI OHV
D	74-79	V8	440	7.2	4BC OHV
E	86-89	4	156	2.6	2BC SOHC
E	86-89	4	156	2.6	MPFI SOHC
E	81-83	6	225	3.7	1BC OHV
E	1980	6	225	3.7	2BC OHV
E	70-81	V8	318	5.2	2BC OHV
E	74-78	V8	440	7.2	4BC OHV
F	74-78	6	243	4.0	Diesel OHV
F	71-80	V8	360	5.9	2BC OHV
G	1993	4	144	2.4	SOHC MPFI

VIN	Years	Cyl	CID	Liters	Engine Description
G	2003	4	148	2.4	TCI DOHC
G	89-95	4	153	2.5	TBI OHV
G	83-87	4	156	2.6	2BC SOCH
G	98-01	V6	201	3.3	Flex Fuel OHV
H	81-87	6	225	3.7	1BC OHV
H	74-79	6	243	4.0	Diesel OHV
H	04-05	V10	505	8.3	MPFI OHV
J	84-85	4	143	2.3	Diesel TC SOHC
J	89-93	4	153	2.5	TCI SOHC
J	94-96	V6	201	3.3	CNG OHV
J	02-05	V8	287	4.7	MPFI SOHC
J	72-78	V8	400	6.6	2BC OHV
K	86-95	4	153	2.5	SOHC TBI
K	02-05	V6	226	3.7	SOHC MPFI
K	76-79	V8	360	5.9	2BC OHV
L	91-05	V6	230	3.8	MPFI OHV
M	1987	V6	239	3.9	2BC OHV
N	79-80	6	225	3.7	1BC OHV
N	99-05	V8	287	4.7	SOHC MPFI
P	96-02	4	150	2.5	MPFI OHV
P	78-89	V8	318	5.2	2BC OHV
R	90-05	V6	201	3.3	MPFI OHV

CNG Compressed Natural Gas
MPFI Multi-port Fuel Injection
TC Turbocharged
TCI Turbocharged Intercooled
TBI Throttle Body Injection



Dodge Truck

Model Year and Engine Identification (Cont.)

VIN	Years	Cyl.	CID	Liters	Engine Description
R	80-87	V8	318	5.2	4BC OHV
S	89-92	V6	181	3.0	MPFI SOHC
S	83-89	V8	318	5.2	4BC OHV
S	80-82	V8	360	5.9	2BC OHV
T	89-90	4	153	2.5	Turbo SOHC
T	83-87	V8	318	5.2	2BC OHV
T	92-03	V8	318	5.2	CNG OHV
T	78-83	V8	360	5.9	4BC OHV
U	74-81	4	122	2.0	2BC SOHC
U	84-85	V8	318	5.2	4BC OHV
U	1980	V8	360	5.9	4BC OHV
V	83-86	V8	360	5.9	2BC OHV
V	74-78	V8	400	6.6	2BC OHV
W	90-92	4	144	2.4	SOHC MPFI
W	92-95	4	153	2.5	TBI SOHC
W	79-80	4	156	2.6	2BC SOHC
W	82-83	6	225	3.7	2BC OHV
W	83-88	V8	360	5.9	4BC OHV
W	94-03	V10	488	8.0	Iron Block OHV

VIN	Years	Cyl.	CID	Liters	Engine Description
X	88-91	V6	239	3.9	TBI OHV
X	92-03	V6	239	3.9	MPFI OHV
Y	88-91	V8	318	5.2	TBI OHV
Y	92-03	V8	318	5.2	MPFI OHV
Z	89-92	V8	360	5.9	TBI OHV
Z	93-03	V8	360	5.9	MPFI OHV
1	83-88	V8	360	5.9	4BC OHV
3	87-00	V6	181	3.0	MPFI SOHC
3	01-03	V6	201	3.3	Flex Fuel OHV
4	04-05	V6	215	3.5	MPFI SOHC
5	81-83	4	122	2.0	2BC SOHC
5	1988	V8	360	5.9	4BC OHV
5	89-92	V8	360	5.9	TBI OHV
5	93-02	V8	360	5.9	MPFI OHV
6	98-04	6	359	5.9	Diesel TCI OHV
7	81-82	4	156	2.6	2BC SOHC
7	01-02	6	359	5.9	Diesel TCI OHV
8	89-93	6	359	5.9	Diesel TC OHV
9	1983	4	143	2.3	Diesel TC SOHC

CNG Compressed Natural Gas
 MPFI Multi-port Fuel Injection
 TC Turbocharged
 TCI Turbocharged Intercooled
 TBI Throttle Body Injection



Ford Car

Model Year and Engine Identification

1981-05 Model Years	
1ABCD3G @ DA 100,001	

Engine Code Model Year
8th Symbol 10th Symbol

1977-80 Model Years	
7S62H 123456	

Engine Code Model Year
5th Symbol 1st Symbol

Model Year Code			
Code	Year	Code	Year
A or O	1980	P	1993
B	1981	R	1994
C	1982	S	1995
D	1983	T	1996
E	1984	V	1997
F	1985	W	1998
G	1986	X	1999
H	1987	Y	2000
J	1988	1	2001
K	1989	2	2002
L	1990	3	2003
M	1991	4	2004
N	1992	5	2005

VIN	Years	Cyl	CID	Liters	Engine Description
A	93-97	L4	122	2.0	DOHC
A	80-90	L4	140	2.3	SOHC
A	00-05	V8	241	3.9	DOHC
A	99-02	V8	330	5.4	DOHC
B	93-97	V6	153	2.5	DOHC
B	80-82	L6	200	3.3	OHV
C	89-92	L4	134	2.2	SOHC
C	1995	V8	351W	5.8	H/O Cobra
D	1983	L4	140	2.3	OHC Turbo
D	86-90	L4	153	2.5	OHV
D	80-82	V8	255	4.2	OHV
D	93-95	V8	302	5.0	H/O Cobra
E	87-92	V8	302	5.0	H/O
F	82-91	V8	302	5.0	OHV
G	98-01	V6	155	2.5	DOHC
G	80-91	V8	351W	5.8	OHV
H	89-97	L4	81	1.3	SOHC
H	84-87	L4	122	2.0	Diesel
H	2005	V8	281	4.6	SOHC
J	85-96	L4	116	1.9	SOHC/EFI
J	1984	L4	140	2.3	OHV
K	88-89	L4	81	1.3	SOHC
K	94-95	L4	116	1.9	H/O

VIN	Years	Cyl	CID	Liters	Engine Description
L	89-92	L4	134	2.2	Turbo
L	84-85	L6	149	2.4	Turbo Diesel
L	95-02	V6	155	2.5	DOHC
L	97-03	V8	330	5.4	SOHC
M	91-93	L4	140	2.3	SOHC
M	84-87	V8	302	5.0	H/O
N	2005	4	121	2.0	DOHC
N	90-91	L4	153	2.5	OHV
N	96-99	V8	207	3.4	DOHC
N	2005	V6	244	4.0	SOHC
P	97-04	L4	122	2.0	SOHC
P	93-95	V6	195	3.2	DOHC/SHO
R	89-92	L4	134	2.2	SOHC/Turbo
R	1984	L4	140	2.3	OHV/1BC
R	89-90	V6	232	3.8	S/C
R	03-04	V8	281	4.6	DOHC
S	85-91	L4	140	2.3	OHV H/O
S	96-05	V6	181	3.0	DOHC
T	1981	L4	140	2.3	SOHC/Turbo
T	91-95	V8	302	5.0	H/O
U	86-05	V6	183	3.0	OHV
V	93-04	V8	281	4.6	DOHC
W	79-89	L4	140	2.3	SOHC/Turbo

CNG Compressed Natural Gas
EFI Electronic Fuel Injection
H/O High Output
S/C Supercharged
SHO Super High Output



Ford Car

Model Year and Engine Identification (Cont.)

VIN	Years	Cyl	CID	Liters	Engine Description
W	91-05	V8	281	4.6	SOHC
X	85-94	L4	140	2.3	OHV
X	1983	L6	200	3.3	OHV
X	96-04	V8	281	4.6	SOHC
Y	89-95	V6	183	3.0	DOHC/SHO
Y	03-04	V8	281	4.6	DOHC S/C
Z	91-94	L4	98	1.6	DOHC
Z	96-00	L4	1989cc	2.0	DOHC CNG
Z	04-05	4	138	2.3	DOHC
1	93-98	V6	183	3.0	OHV
2	81-85	L4	98	1.6	SOHC
2	96-05	V6	183	3.0	OHV Flex Fuel
3	95-04	L4	1989cc	2.0	DOHC

VIN	Years	Cyl	CID	Liters	Engine Description
3	83-87	V6	232	3.8	OHV
4	82-85	L4	98	1.6	SOHC H/O
4	87-04	V6	232	3.8	OHV
5	83-89	L4	98	1.6	SOHC
5	02-04	L4	121	2.0	DOHC
6	91-94	L4	98	1.6	DOHC Turbo
6	84-85	L4	140	2.3	SOHC LP
6	04-05	V6	238	3.9	OHV
6	96-04	V8	281	4.6	SOHC
8	81-85	L4	98	1.6	SOHC Turbo
9	85-90	L4	116	1.9	SOHC
9	95-04	V8	281	4.6	SOHC CNG

CNG Compressed Natural Gas
 EFI Electronic Fuel Injection
 H/O High Output
 S/C Supercharged
 SHO Super High Output



Ford Truck

Model Year and Engine Identification

1981-05 Model Years	
1ABCD3G @ DA 100,001	

Engine Code Model Year
8th Symbol 10th Symbol

1977-80 Model Years	
7S62H 123456	

Engine Code Model Year
5th Symbol 1st Symbol

Model Year Code			
Code	Year	Code	Year
A or O	1980	P	1993
B	1981	R	1994
C	1982	S	1995
D	1983	T	1996
E	1984	V	1997
F	1985	W	1998
G	1986	X	1999
H	1987	Y	2000
J	1988	1	2001
K	1989	2	2002
L	1990	3	2003
M	1991	4	2004
N	1992	5	2005

VIN	Years	Cyl	CID	Liters	Engine Description
A	83-97	L4	140	2.3	SOHC
A	99-03	V8	330	5.4	DOHC
B	01-04	4	1989	2.0	DOHC
B	83-84	L4	140	2.3	SOHC
C	83-88	L4	121	2.0	SOHC
C	98-01	L4	153	2.5	SOHC
C	92-93	V8	444	7.3	IDI Turbo
D	02-05	L4	140	2.3	DOHC
D	81-82	V8	255	4.2	OHV
E	85-87	L4	140	2.3	SOHC Diesel
E	97-05	V6	244	4.0	SOHC
E	80-82	L6	300	4.9	OHV
F	80-85	V8	302	5.0	OHV
F	94-04	V8	444	7.3	DI Turbo
G	80-85	V8	351W	5.8	OHV
G	87-98	V8	460	7.5	OHV
H	2005	4	138	2.3	ATKINSON
H	03-05	V8	281	4.6	DOHC
H	77-82	V8	351M	5.8	OHV
H	85-96	V8	351W	5.8	OHV
K	03-05	V6	244	4.0	SOHC Flex Fuel
K	1994	V8	444	7.3	IDI Turbo
L	97-05	V8	330	5.4	SOHC
L	80-87	V8	460	7.5	OHV
M	79-82	L4	122	2.0	SOHC
M	97-05	V8	330	5.4	SOHC CNG
M	88-94	V8	444	7.3	IDI Diesel

VIN	Years	Cyl	CID	Liters	Engine Description
N	85-96	V8	302	5.0	OHV
N	1997	V8	330	5.4	SOHC
P	83-84	L4	134	2.2	SOHC
P	96-01	V8	302	5.0	OHV
P	03-05	V8	363	6.0	Diesel
R	01-04	V8	281	4.6	DOHC
R	01-04	V8	330	5.4	DOHC
S	83-86	V6	171	2.8	OHV
S	97-05	V10	415	6.8	SOHC
T	86-92	V6	177	2.9	OHV
T	99-02	V6	3275cc	3.3	SOHC
U	86-05	V6	183	3.0	OHV
V	99-03	V6	183	3.0	OHV Flex Fuel
W	79-82	L4	140	2.3	SOHC
W	97-05	V8	281	4.6	SOHC
X	90-00	V6	244	4.0	OHV
Y	83-96	L6	300	4.9	OHV
Z	04-05	4	138	2.3	DOHC
Z	94-96	L6	300	4.9	OHV
Z	98-04	V8	330	5.4	SOHC Flex Fuel
Z	80-82	V8	400	6.6	OHV
1	01-05	V6	181	3.0	DOHC
1	83-87	V8	420	6.9	Diesel
2	97-05	V6	256	4.2	OHV
3	83-87	V6	232	3.8	OHV
3	99-04	V8	330	5.4	SOHC S/C
4	95-04	V6	232	3.8	OHV

CNG Compressed Natural Gas
DI Direct Injection
IDI Indirect Injection
S/C Supercharged



Ford Truck

Model Year and Engine Identification (Cont.)

VIN	Years	Cyl	CID	Liters	Engine Description
M	88-94	V8	444	7.3	IDI Diesel
5	04-05	V8	330	5.4	SOHC
6	04-05	V6	238	3.9	OHV
6	96-04	V8	281	4.6	SOHC

VIN	Years	Cyl	CID	Liters	Engine Description
4	95-04	V6	232	3.8	OHV
9	97-98	V8	281	4.6	SOHC LP
9	82-96	L6	300	4.9	OHV

CNG Compressed Natural Gas
DI Direct Injection
IDI Indirect Injection
S/C Supercharged



General Motors Car Model Year and Engine Identification

1981-05 Model Years	
1G1GZ37H0GR123456	

Engine Code Model Year
8th Symbol 10th Symbol

1978-80 Model Years	
2B377AP 100.001	

Engine Code Model Year
5th Symbol 6th Symbol

Model Year Code			
Code	Year	Code	Year
A or O	1980	P	1993
B	1981	R	1994
C	1982	S	1995
D	1983	T	1996
E	1984	V	1997
F	1985	W	1998
G	1986	X	1999
H	1987	Y	2000
J	1988	1	2001
K	1989	2	2002
L	1990	3	2003
M	1991	4	2004
N	1992	5	2005

VIN	Years	Cyl	CID	Liters	Engine Description
A	88-89	L4	138	2.3	MPFI DOHC
A	90-94	L4	138	2.3	MPFI DOHC
A	78-87	V6	231	3.8	2BC OHV
A	04-05	V8	281	4.6	SFI DOHC
B	83-84	L4	121	2.0	2BC OHV
B	1986	V6	231	3.8	MPFI OHV
B	91-95	V8	300	4.9	MPFI OHV
C	78-79	V6	196	3.2	2BC OHC
C	88-91	V6	231	3.8	MPFI OHV
C	95-03	V8	244	4.0	MPFI DOHC
D	82-86	L4	111	1.8	Diesel SOHC
D	87-95	L4	138	2.3	MPFI DOHC
D	76-79	L6	250	4.1	1BC OHV
E	82-86	V6	181	3.0	2BC OHV
E	99-05	V6	207	3.4	MPFI OHV
E	88-93	V8	305	5.0	TBI OHV
F	02-05	L4	134	2.2	MPFI DOHC
F	83-84	L4	151	2.5	2BC OHV
F	76-81	V8	260	4.3	2BC OHV
F	88-92	V8	305	5.0	MPFI OHV
G	1982	L4	112	1.8	2BC OHV
G	90-91	L4	134	2.2	TBI OHV
G	84-88	V8	305	5.0	4BC OHV
G	97-04	V8	346	5.7	SFI OHV

VIN	Years	Cyl	CID	Liters	Engine Description
H	92-94	L4	122	2.0	MPFI SOHC
H	99-02	V6	212	3.5	MPFI DOHC
H	78-88	V8	305	5.0	4BC OHV
J	84-86	L4	112	1.8	MPFI SOHC
J	99-05	V6	189	3.1	MPFI OHV
J	79-82	V8	267	4.4	2BC OHV
J	89-95	V8	350	5.7	MPFI DOHC
K	85-86	L4	92	1.5	2BC SOHC
K	87-91	L4	121	2.0	TBI SOHC
K	80-82	V6	229	3.8	2BC OHV
K	97-05	V6	231	3.8	MPFI OHV
K	77-79	V8	400	6.6	4BC OHV
L	03-05	L4	110	1.8	MPFI DOHC
L	83-84	V6	173	2.8	2BC OHV
L	85-88	V6	181	3.0	MPFI OHV
L	90-95	V6	231	3.8	MPFI OHV
L	74-82	V8	350	5.7	4BC OHV
M	85-86	L3	61	1.0	2BC SOHC
M	87-90	L4	121	2.0	MPFI SOHC
M	78-79	V6	200	2.3	2BC OHV
M	93-99	V6	189	3.1	MPFI OHV
N	03-04	V6	196	3.2	MPFI DOHC
N	88-93	V6	204	3.3	MPFI OHV
N	78-85	V8	350	5.7	Diesel OHV

EFI Electronic Fuel Injection
FI Fuel Injected
MPFI Multi-Port Fuel Injection
S/C Supercharged
SFI Sequential Fuel Injection
TBI Throttle Body Injection



General Motors Car

Model Year and Engine Identification (Cont.)

VIN	Years	Cyl	CID	Liters	Engine Description	VIN	Years	Cyl	CID	Liters	Engine Description
O	82-86	L4	112	1.8	TBI SOHC	0	82-86	L4	112	1.8	TBI SOHC
P	83-86	L4	121	2.0	TBI OHV	1	87-89	L4	121	2.0	TBI OHV
P	04-05	4	1998	2.0	MPFI DOHC	1	78-79	L4	151	2.5	2BC OHV
P	1979	V8	260	4.3	Diesel OHV	1	82-84	V6	173	2.8	2BC OHV
P	92-97	V8	350	5.7	MPFI OHV	1	92-05	V6	231	3.8	MPFI/SC OHV
P	2004	V8	346	5.7	SFI OHV	2	87-94	L3	61	1.0	EFI SOHC
R	82-92	L4	151	2.5	TBI OHV	2	98-01	L4	79	1.3	MPFI SOHC
R	97-05	V6	181	3.0	MPFI DOHC	2	82-86	L4	151	2.5	TBI OHV
R	76-80	V8	350	5.7	4BC OHV	2	78-79	V6	231	3.8	2BC OHV
S	85-89	V6	173	2.8	TBI OHV	2	2004	V6	231	3.8	SFI OHV
S	93-95	V6	207	3.4	MPFI OHV	2	04-05	V6	231	3.8	MPFI OHV
S	80-81	V6	265	4.3	2BC OHV	3	92-94	L4	138	2.3	MPFI SOHC
S	1983	V8	305	5.0	TBI OHV	3	78-84	V6	231	3.8	Turbo OHV
S	01-05	V8	346	5.7	SFI OHV	3	1990	V8	273	4.5	MPFI OHV
S	77-79	V8	425	7.0	4BC OHV	4	85-88	L4	98	1.6	2BC SOHC
T	96-02	L4	146	2.4	MPFI DOHC	4	92-02	L4	134	2.2	MPFI OHV
T	88-94	V6	189	3.1	MPFI OHV	4	04-05	V6	231	3.8	SFI OHV
T	82-85	V6	260	4.3	Diesel OHV	4	80-84	V6	252	4.1	4BC OHV
T	80-81	V8	301	4.9	4BC/Turbo OHV	4	78-79	V8	350	5.7	4BC OHV
T	77-79	V8	425	7.0	EFI OHV	5	86-88	L3	61	1.0	2BC SOHC
U	85-91	L4	151	2.5	TBI OHV	5	88-92	L4	98	1.6	MPFI DOHC
U	2005	V8	365	6.0	MPFI OHV	5	80-84	L4	151	2.5	2BC OHV
V	78-80	L4	151	2.5	2BC OHV	5	88-89	V8	275	4.5	TBI OHV
V	89-90	V6	189	3.1	MPFI/Turbo OHV	6	90-01	L3	61	1.0	TBI SOHC
V	82-84	V6	260	4.3	Diesel OHV	6	90-93	L4	98	1.6	TBI DOHC
W	85-89	V6	173	2.8	MPFI OHV	6	2003	L4	134	2.2	MPFI DOHC
W	1993	V6	189	3.1	MPFI OHV	6	80-88	V8	350	5.7	4BC OHV
W	94-96	V8	265	4.3	MPFI OHV	6	80-83	V8	368	6.0	4BC OHV
W	78-81	V8	301	4.9	4BC OHV	7	86-89	L4	92	1.5	2BC SOHC
X	81-86	V6	173	2.8	2BC OHV	7	91-93	L4	116	1.9	MPFI DOHC
X	91-97	V6	207	3.4	MPFI DOHC	7	1980	V6	173	2.8	2BC OHV
X	78-80	V8	350	5.7	4BC OHV	7	04-05	V6	217	3.6	SFI DOHC
Y	93-05	V8	281	4.6	MPFI DOHC	7	86-87	V6	231	3.8	SFI/Turbo OHV
Y	77-79	V8	301	4.9	2BC OHV	7	87-88	V8	252	4.1	EFI OHV
Y	80-90	V8	307	5.0	4BC OHV	7	1982	V8	305	5.0	2/TBI OHV
Z	81-84	V6	173	2.8	2BC OHV	7	1983	V8	305	5.0	4BC OHV
Z	85-93	V6	262	4.2	TBI OHV	7	90-96	V8	350	5.7	TBI OHV
Z	76-79	V8	400	6.6	4BC OHV	8	92-03	L4	110	1.8	MPFI DOHC

EFI Electronic Fuel Injection
 FI Fuel Injected
 MPFI Multi-Port Fuel Injection
 S/C Supercharged
 SFI Sequential Fuel Injection
 TBI Throttle Body Injection



General Motors Car Model Year and Engine Identification

VIN	Years	Cyl	CID	Liters	Engine Description
8	00-05	L4	110	1.8	MPFI DOHC
8	04-05	V6	214	3.5	MPFI OHV
8	1984	V6	231	3.8	4BC/Turbo OHV
8	82-87	V8	252	4.1	EFI OHV
8	1982	V6	260	4.3	2BC OHV
8	89-92	V8	273	4.5	MPFI OHV
8	79-80	V8	350	5.7	4BC OHV
8	1980	V8	350	5.7	EFI OHV
8	82-92	V8	350	5.7	EFI OHV
9	92-97	L4	79	1.3	TBI SOHC

VIN	Years	Cyl	CID	Liters	Engine Description
9	86-89	L4	92	1.5	MPFI/Turbo SOHC
9	80-81	L4	98	1.6	2BC SOHC
9	91-99	L4	116	1.9	TBI SOHC
9	1979	L4	151	2.5	2BC OHV
9	85-88	V6	173	2.8	MPFI OHV
9	83-84	V6	229	3.8	2BC OHV
9	84-85	V6	231	3.8	MPFI/Turbo OHV
9	94-05	V8	281	4.6	MPFI DOHC
9	83-90	V8	307	5.0	4BC OHV
9	80-84	V8	368	6.0	FI OHV

EFI Electronic Fuel Injection
 FI Fuel Injected
 MPFI Multi-Port Fuel Injection
 S/C Supercharged
 SFI Sequential Fuel Injection
 TBI Throttle Body Injection

General Motors Truck

Model Year and Engine Identification

1981-05 Model Years	
1G1GZ37H0GR123456	
Engine Code 8 th Symbol	Model Year 10 th Symbol

1978-80 Model Years	
2B377AP 100.001	
Engine Code 5 th Symbol	Model Year 6 th Symbol

Model Year Code			
Code	Year	Code	Year
A or O	1980	P	1993
B	1981	R	1994
C	1982	S	1995
D	1983	T	1996
E	1984	V	1997
F	1985	W	1998
G	1986	X	1999
H	1987	Y	2000
J	1988	1	2001
K	1989	2	2002
L	1990	3	2003
M	1991	4	2004
N	1992	5	2005

VIN	Years	Cyl	CID	Liters	Engine Description
A	82-85	L4	119	1.9	2BC SOHC
A	00-03	L4	134	2.2	MPFI DOHC
A	92-94	L4	151	2.5	TBI OHV
A	04-05	V8	281	4.6	MPFI OHV
B	82-85	V6	173	2.8	2BC OHV
B	00-03	V6	181	3.0	SFI OHV
B	90-91	V6	262	4.3	TBI OHV
B	2005	V8	325	5.3	MPFI OHV
C	99-03	L4	122	2.0	MPFI DOHC
C	82-94	V8	379	6.2	Diesel OHV
D	00-03	L4	134	2.2	MPFI DOHC
D	90-95	V6	189	3.1	MPFI OHV
D	84-85	L6	250	4.1	2BC OHV
E	85-91	L4	151	2.5	TBI OHV
E	96-03	V6	207	3.4	MPFI OHV
F	81-86	V8	305	5.0	4BC OHV
F	92-05	V8	396	6.5	Diesel OHV
G	79-81	V8	305	5.0	2BC OHV
G	00-05	V8	496	8.1	MPFI OHV
H	03-04	4	134	2.2	MPFI OHV
H	99-04	V6	2494	2.5	MPFI DOHC
H	79-87	V8	305	5.0	4BC OHV
H	88-95	V8	305	5.0	TBI OHV
J	82-93	V8	379	6.2	Diesel OHV
J	96-02	V8	454	7.4	MPFI OHV
K	80-82	V6	229	3.8	2BC OHV
K	88-95	V8	350	5.7	TBI OHV

VIN	Years	Cyl	CID	Liters	Engine Description
L	89-91	L4	239	3.9	Diesel OHV
L	82-86	V8	350	5.7	4BC OHV
M	96-02	V8	305	5.0	MPFI OHV
M	80-89	V8	350	5.7	4BC OHV
N	85-86	V6	262	4.3	4BC OHV
N	82-84	V8	350	5.7	Diesel OHV
N	00-05	V8	364	6.0	MPFI OHV
N	87-96	V8	454	7.4	TBI OHV
P	03-05	V8	325	5.3	MPFI OHV
P	81-83	V8	350	5.7	2BC OHV
P	94-96	V8	396	6.5	Diesel OHV
R	86-93	V6	173	2.8	TBI OHV
R	96-04	V8	350	5.7	TBI OHC
S	82-85	L4	137	2.2	Diesel OHV
S	02-05	6	254	4.2	DOHC
S	94-01	V8	396	6.5	Diesel OHV
T	73-89	L6	292	4.8	1BC OHV
T	99-05	V8	327	5.3	MPFI OHV
U	89-95	L4	97	1.6	TBI SOHC
U	99-05	V8	366	6.0	MPFI OHV
V	99-05	V8	294	4.8	MPFI OHV
W	92-95	V6	262	4.3	CPI OHV
W	96-03	V6	262	4.3	MPFI OHV
W	80-89	V8	454	7.4	4BC OHV
X	96-05	V6	262	4.3	MPFI OHV
Y	94-02	V8	396	6.5	Diesel OHV
Z	00-01	L4	134	2.2	MPFI OHV

CPI Center Port Injection
 FFV Flex Fuel Vehicle
 MPFI Multi-Port Fuel Injection
 SFI Sequential Fuel Injection
 TBI Throttle Body Injection



General Motors Truck

Model Year and Engine Identification (Cont.)

VIN	Years	Cyl	CID	Liters	Engine Description
L	92-95	V6	231	3.8	MPFI OHV
Z	02-05	V8	327	5.3	MPFI/FFV OHV
1	01-05	V8	403	6.6	Diesel OHV
4	94-02	L4	134	2.2	MPFI OHV
4	99-03	L4	152	2.5	MPFI DOHC

VIN	Years	Cyl	CID	Liters	Engine Description
Z	85-95	V6	262	4.3	TBI OHV
5	00-02	L4	134	2.2	MPFI OHV
6	96-03	L4	98	1.6	MPFI DOHC
9	83-84	V6	229	3.8	2BC OHV

CPI Center Port Injection
FFV Flex Fuel Vehicle
MPFI Multi-Port Fuel Injection
SFI Sequential Fuel Injection
TBI Throttle Body Injection



CRANKCASE TOLERANCES

Finish of Main Bores

- 0-90 micro inches Ra.

Bore Tolerance

- .001" (.025mm) up to 10.000" (250mm) bore

Out-of-Round

- .001" (.025mm) maximum if horizontal is larger than vertical

Alignment

- .002" (.050mm) maximum overall misalignment (.001"-.025mm for heavy duty or highly loaded engines)
- .001" (.025mm) maximum misalignment on adjacent bores (.0005"-.013mm for heavy duty or highly loaded engines)

CRANKSHAFT TOLERANCES MAIN BEARING AND CRANKPIN JOURNALS

Finish of Journals

- 15 micro inches Ra or better (10 micro inches Ra or better for heavy duty or highly loaded engines)

Diameter Tolerance

- .0005" (.013mm) up to 1.500" (38mm) journal
- .001" (.025mm) for 1.500" (38mm) to 10.000" (250mm) journal

Out-of-Round

- .0005"(.013mm) maximum up to 5.000" (125mm) journal (.0002"-.005mm for heavy duty or highly loaded engines)
- Never use a maximum out-of-round journal with a maximum out-of-round bore.

Taper

- .0002" (.005mm) maximum up to 1.000" (25mm) long journal (.0001"-.003mm for heavy duty or highly loaded engines)
- .0004" (.010mm) maximum for 1.000" (25mm) to 2.000" (50mm) long journal (.0002"-.005mm for heavy duty or highly loaded engines)
- .0005" (.013mm) maximum for 2.000" (50mm) or longer journal (.0003"-.008mm for heavy duty or highly loaded engines)

Alignment

- .001" (.025mm) maximum misalignment on adjacent journals (.0005"-.013mm for heavy duty or highly loaded engines)
- .002" (.050mm) maximum overall misalignment (.001"-.025mm for heavy duty or highly loaded engines)
- Crankpin and main journals should be parallel within .001" (.025mm)(.0005"-.013mm for heavy duty or highly loaded engines)

Hour-Glass or Barrel Shape Condition

- Same as taper

Oil Holes

- Must be well blended into journal surface.

BEARING SPREAD

- Main bearings: .005" (.13mm) to .020" (.50mm) in excess of crankcase bore diameter
- Connecting rod bearings: .020" (.50mm) in excess of rod bore

CRANKSHAFT END CLEARANCE

Shaft Diameter

- 2.000"-2.750" (50mm-70mm)
- 2.813"-3.500" (71mm-88mm)
- 3.500" or over (89mm or over)

End Clearance

- .003" - .007" (.075mm - .175mm)
- .005" - .009" (.125mm - .225mm)
- .007" - .011" (.175mm - .275mm)

CONNECTING ROD TOLERANCES

Finish of Rod Bores

- 60-90 micro inches

Rod Tolerance

- .0005" (.013mm) up to 3.250" (81mm) diameter
- .001" (.025mm) from 3.250"(81mm)to 10.000" (250mm) diameter

Out-of-Round

- .001" (.025mm) maximum if horizontal is larger than vertical

Taper

- .0002" (.005mm) up to 1.000" (25mm) length (.0001"-.003mm for heavy duty or highly loaded engines)
- .0004" (.010mm) for 1.000" (25mm) to 2.000" (50mm) length (.0002"-.005mm for heavy duty or highly loaded engines).
- .0005" (.013mm) for 2.000" (50mm) or longer (.0003"-.008mm for heavy duty or highly loaded engines)

Hour-Glass or Barrel Shape Condition

- Same as taper

Parallelism

- Between rod bore and wrist pin hole .001" (.025mm) in 5.000" (125mm)

Twist

- .001" (.025mm) in 6.000" (150mm)

CONNECTING ROD END CLEARANCE

- Fillets at end of crankpin should not bind on ends of rod bearing. .004" (.10mm) to .010" (.25mm) clearance recommended.

OIL CLEARANCE - RESIZED BEARINGS

The oil clearance shown in this catalog are for the factory manufactured precision sizes. When installing a resized bearing, adjust the oil clearance shown as follows:

For babbitt and TM- copper-lead

- Add .0004" (.010mm) to both low and high limit

For TM-112 copper-lead

- Add .0008" (.020mm) to low limit and .0004"(.010 mm) to high limit

PIN BUSHINGS

Resizing

- Light Ream: .007"/.015"
- Bore: .015"/.030"

