



IMPORTANT: Do not fully tighten hardware until instructed.
Read through all instructions before beginning installation.

VORTEX BODY SET & LIGHT INSTALLATION

TABLE OF CONTENTS:

- Section 1** - Deluxe Light Kit Installation
- Section 2** - Standard Light Kit Installation
- Section 3** - Connect & Test Light Kit
- Section 4** - Body Installation

PREPARE CAR FOR INSTALLATION:

- Remove the following:
- Top • Drain Tubes/Top Supports • Bench Back Cushion
 - Bag Rack Assembly • Front Cowl • Rear Body • Side Trim
- NOTE:** There is no need to loosen or remove the Front Frames.
Save all original Hardware for later use.

BODY KIT



GRILL



DRIVER & PASSENGER
SCOOP



1/8" FOAM TAPE



CENTER SCOOP



ELECTRIC TEMPLATE



ROUND ELECTRIC TEMPLATE



GAS TEMPLATE



BUMPER BRACKET



1/4" X 1/4"
SPACER
(X2)



1/4"
NYLOC
NUT
(X4)



1/4"
WASHER
(X8)



1/4"
HEX BOLT
(X4)



#4 X 3/4"
PHP
SCREW
(X8)



#8 X 3/4"
FLAT SCREW
(X2)

DELUXE HEADLIGHT KIT



DELUXE WIRING HARNESS



STANDARD WIRING HARNESS



STEERING
COLUMN COVER



DRIVER & PASSENGER TAIL
LIGHTS



DRIVER & PASSENGER HEAD
LIGHTS



ADJUSTMENT
BRACKET



MOUNTING PLATE



MICRO SWITCH
BRACKET



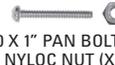
CAP SCREW (X1)
NYLOC NUT (X6)



1/4"
FLANGE
NUT (X1)



1/4" X 1" HEX BOLT (X5)
1/4" WASHER (X10)



#10 X 1" PAN BOLT (X2)
NYLOC NUT (X2)



1/4" X 2" TAP
BOLT (X1)



UNUSED PARTS

Small Brackets



L-Bracket



1/16" PAN
Bolt & Nut

SECTION 1

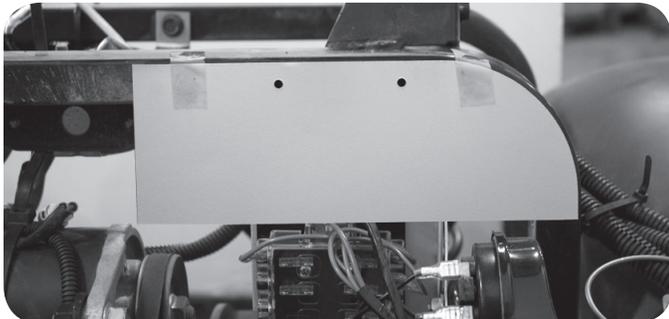
DELUXE LIGHT KIT INSTALLATION

If you are installing a **Standard Light Kit**, skip to Section 2

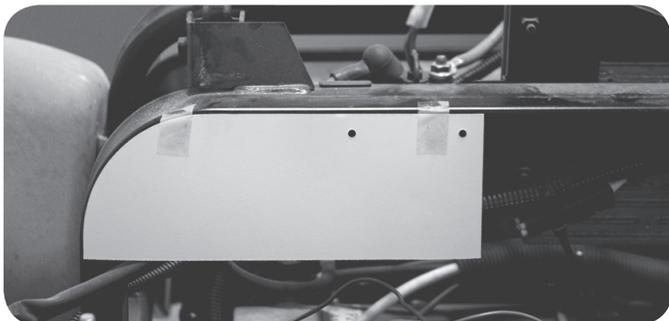
1:1 DRILL HOLES FOR DELUXE BRACKET

Follow the illustration specific to your car type. Tape Template into place aligning with edge of the Frame. Drill 3/16" holes where indicated.

Gas Template - Align to Driver Side

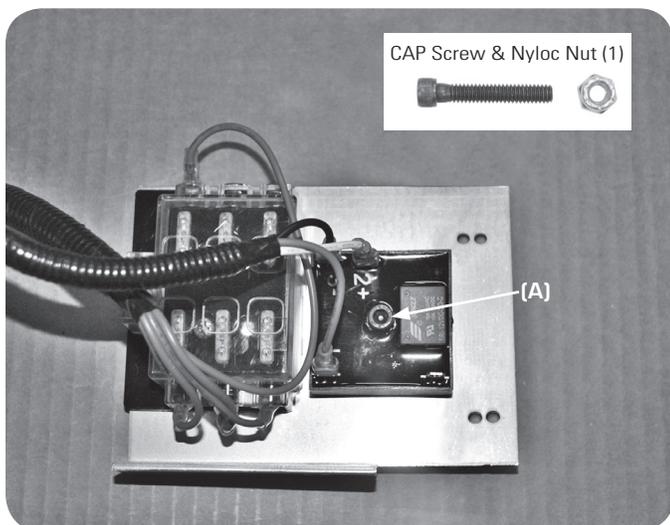


Electric Template - Align to Passenger Side



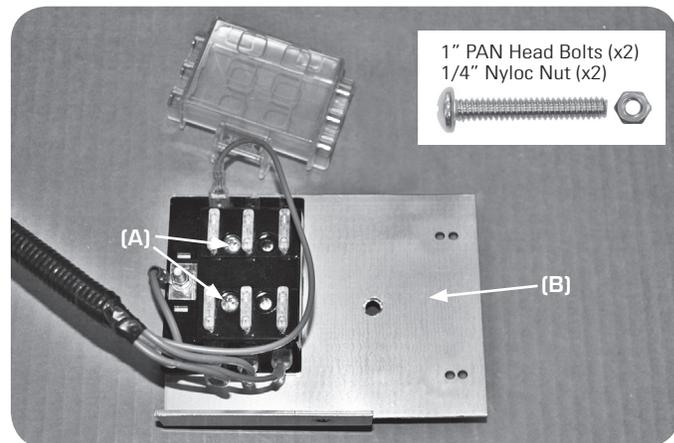
1:3 ATTACH BRAKE LIGHT DELAY SWITCH

Attach Brake Light Delay Switch (A) to Mounting Plate using CAP Screw and Nyloc Nut.



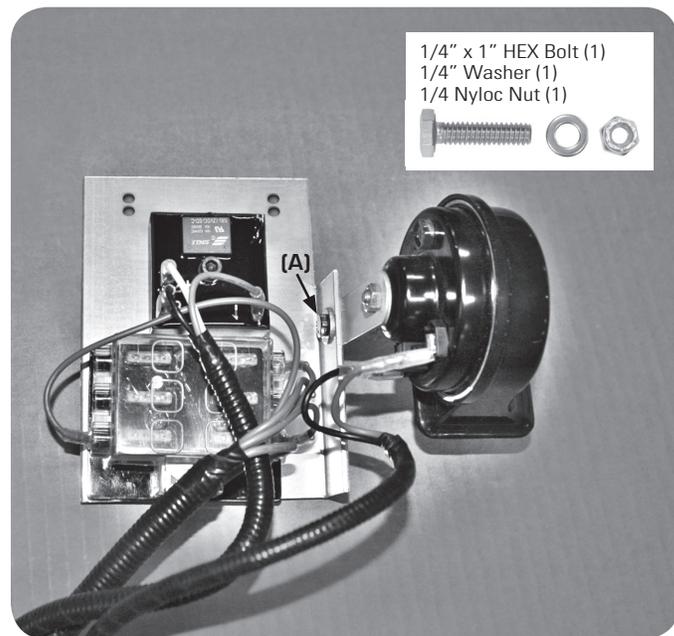
1:2 ATTACH FUSE BOX TO MOUNTING PLATE

Remove the Fuse Box Cover and align short edge of Fuse Box with the long edge of Mounting Plate opposite of the Bent Tab. Using the two center holes (A) mount Fuse Box to the Mounting Plate (B) with 1" PAN Head Bolts and Nyloc Nuts (x2).



1:4 ATTACH HORN BRACKET

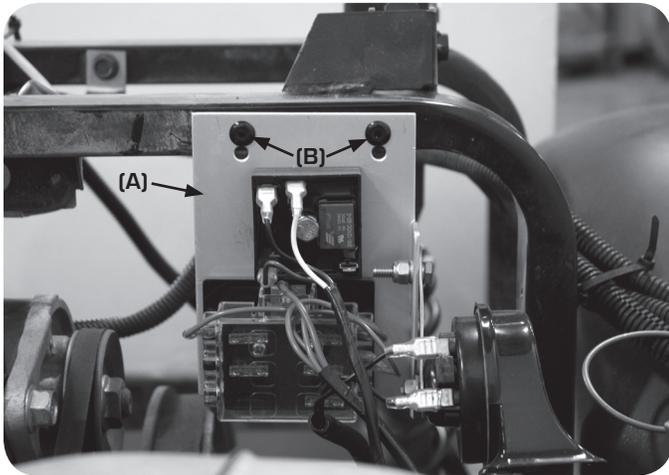
Attach the Horn Bracket (A) (connected to Horn) to the Mounting Plate using 1/4" x 1" HEX Bolt 1/4" Flat Washer (washers on both sides) and 1/4" Nyloc Nut. Position Horn so it is directly above the Mounting Plate and point the Horn face down, which will make for easier access to the Wires.



1:5 INSTALL ASSEMBLED MOUNTING PLATE

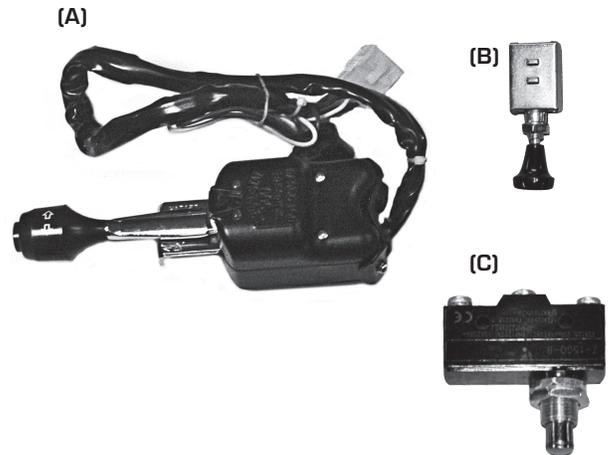
Align the top two holes in the Mounting Plate **(A)** with the pre-drilled holes in Frame, from Step 1 and install using two 3/16" Rivets **(B)**.

Note: Image shown on Gas model.



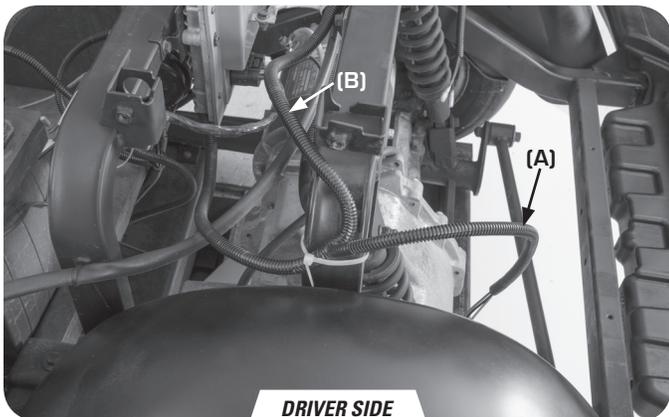
1:6 REMOVE COMPONENTS FROM HARNESS

Remove Turn Indicator **(A)**, ON/OFF Switch **(B)**, and Micro Switch **(C)** from the Wiring Harness if they are attached and set aside for later installation.



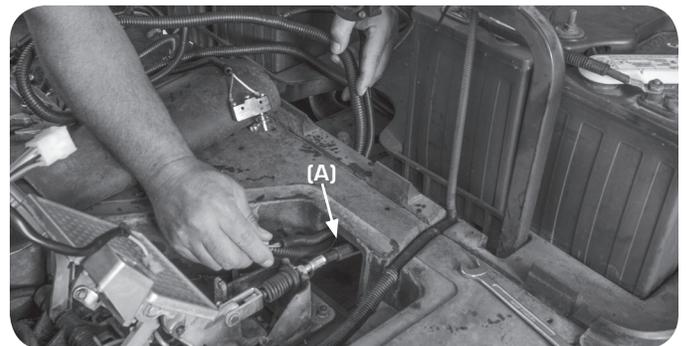
1:7 ROUTE TAIL LIGHT HARNESS TO REAR

Route the Wire Harness (See diagram on pg. 7) to the Rear for Tail Lights, making sure the Shorter Harness **(A)** stemming from the "Y" goes to DRIVER side and the Longer Harness goes to PASSENGER side **(B)**. Secure Harness with zip ties.



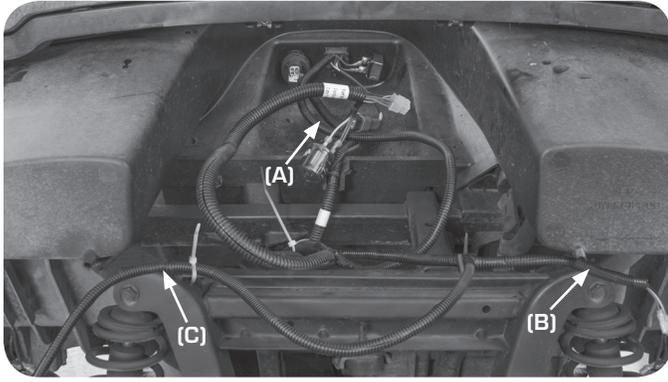
1:8 ROUTE HEADLIGHT AND ACCESSORY HARNESS THRU BRAKE COMPARTMENT

Route all remaining Harness Wires under the Floor Board, towards front of Car and into the recessed Brake Compartment **(A)**. Route them to the LEFT of the Brake Pedal and back under the Floorboard leading to the front of the Car. Secure Harness to existing Cable with zip ties **(B)**.



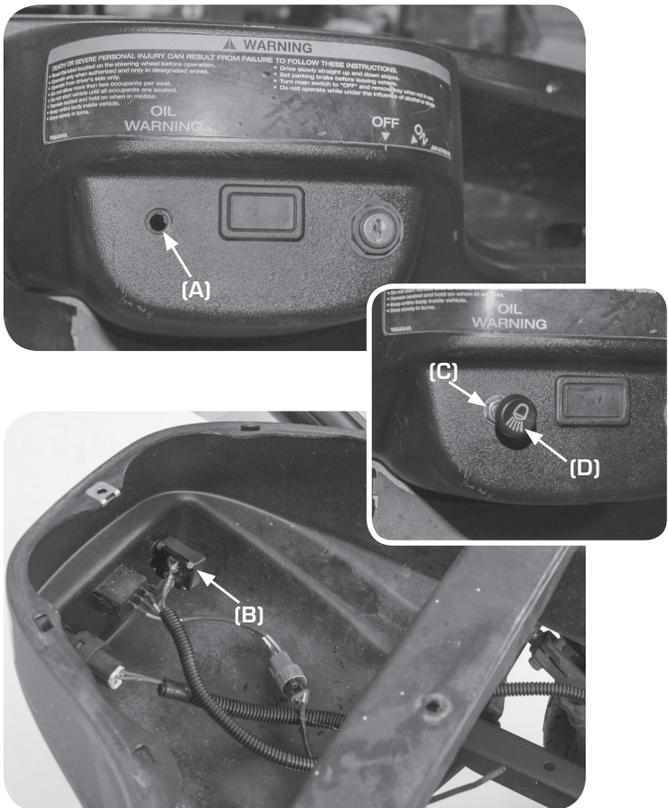
1:9 ROUTE ACCESSORY WIRING TO DASH

Route Accessory Harnesses (A) into back of the Dash. Route the Wire Harness for Headlights, making sure the Shorter Harness (B) stemming from the "Y" goes to DRIVER side and the Longer Harness (C) goes to PASSENGER side. Secure Harness with zip ties.



1:11 DRILL AND INSTALL LIGHT SWITCH

Drill a hole (A) into the Dash for Light Switch. Then mount the Light Switch (B) to the Dash with Nut (C) and finish by mounting the Light Switch Knob (D). Reconnect Wiring from Harness.



1:10 INSTALL DELUXE BRAKE BRACKETS

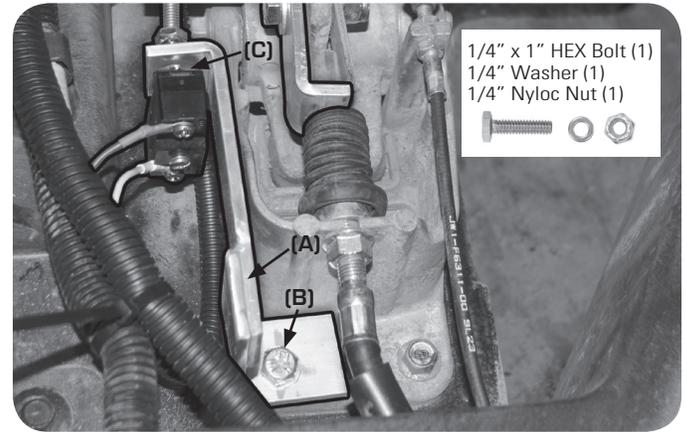
Micro Switch Bracket:



Install Micro Switch Bracket (A) by removing the existing Bolt, placing Bracket in position and re-installing with 1/4" x 1" HEX Bolt and 1/4" Washer provided.

NOTE: If your Car has a Nut located in position (B) then remove Nut and place Bracket over the existing Stud and re-install Nut.

Mount the Micro Switch to the Bracket. Remove the Nut (C) on the Micro Switch and insert the Threaded Stud thru back of Bracket. Install the Nut back onto Threaded Stud. Reconnect Wiring from Harness.

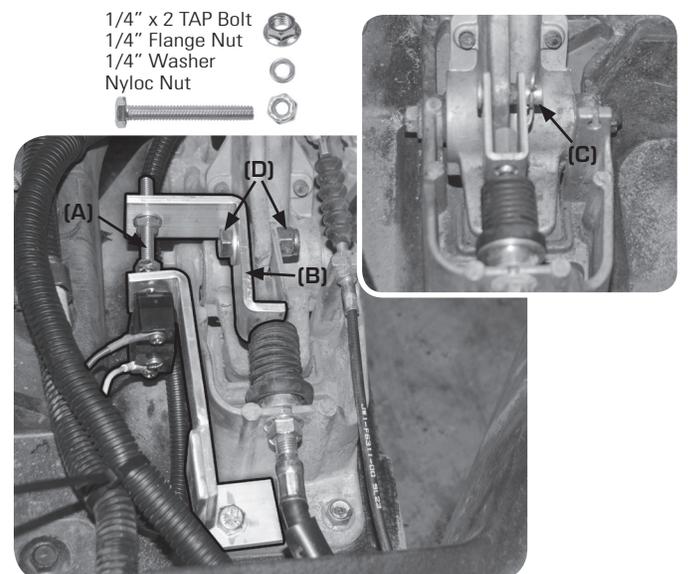


Adjustment Bracket:



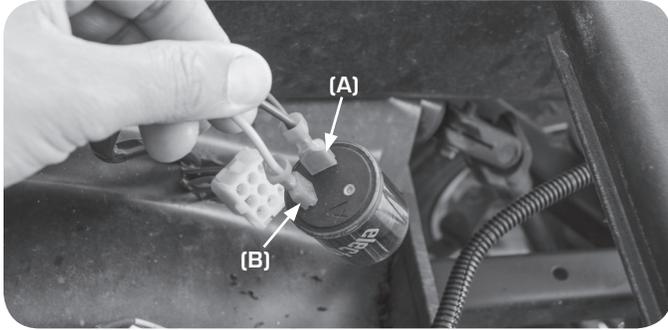
Install Adjustment Bolt (A) thru the top (or smaller side) of the 1/4" Flange Nut, screw the Nut down about half-way on the Bolt. Insert Bolt thru hole in Adjustment Bracket (B) and install Nut and Washer on backside of Bracket. Adjust the Flange Nut so that the Bolt correctly activates the Button on the Micro Switch. Tighten Nyloc Nut on backside of Bracket to secure the Bolt location.

Mount Adjustment Bracket to Brake Pedal: Remove the existing Pin and Bolt (C) and mount the Adjustment Bracket (B) using 1/4" x 1" HEX Bolt, 1/4" Washer and Nyloc Nut provided (D).



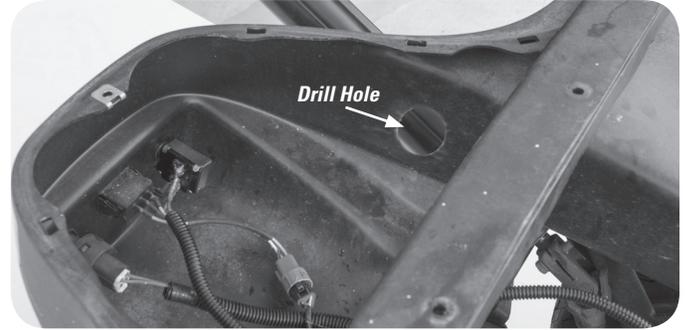
1:12 INSTALL FLASHER

Secure the Brown Wires (A) to the "L" Blade on the Flasher and the Yellow Wire (B) to the "X" Blade.



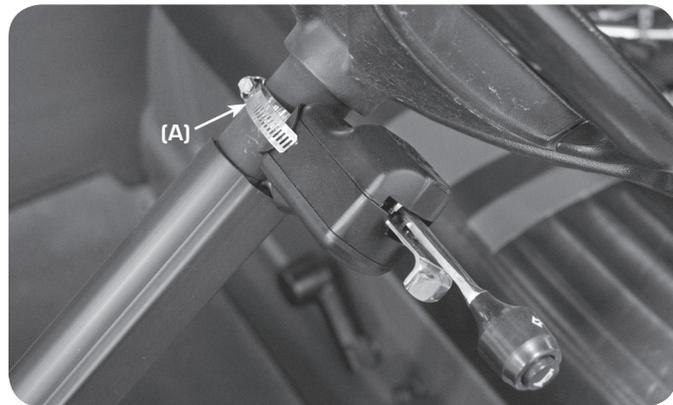
1:13 DRILL HOLE IN DASH FOR WIRES

Using 1-1/4" Spade Bit, drill a hole (A) into the Driver's Side of the Dash beside Steering Column and as far towards Car Nose as possible.



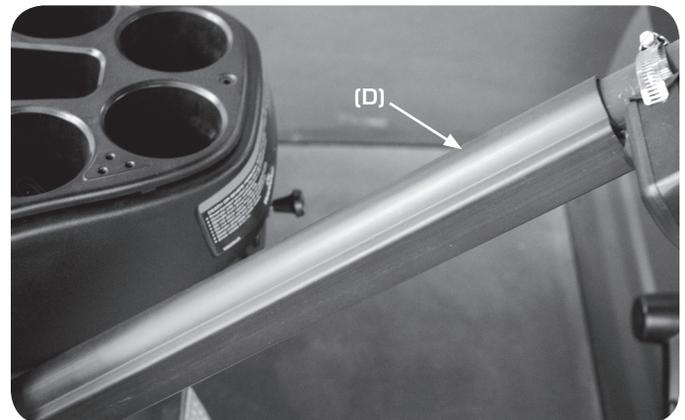
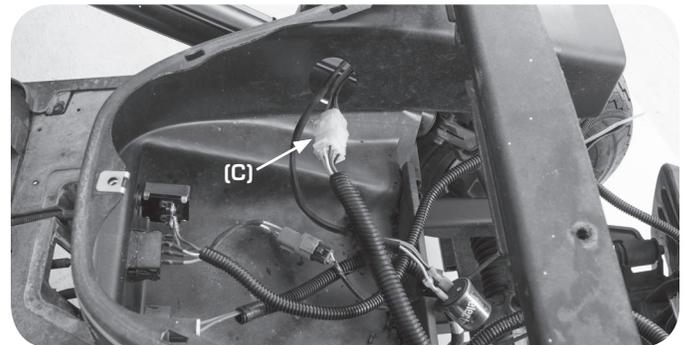
1:14 INSTALL TURN SIGNAL

Mount the Turn Signal to the Steering Column using the Screw Clamp (A). Route the Turn Signal Wiring down the Steering Column and thru the drilled hole in the Dash (B). Connect the Turn Signal Wiring to the Wiring Harness inside the Cup Holder Base (C). Feed the excess Wiring thru Dash until the Turn Signal Wiring is fairly tight and straight against the Steering Column.



Adjust the Turn Signal position (up or down) to allow Steering Column Cover to fit. Align Wiring inside the raised channel and snap the Steering Column Cover (D) over Steering Column.

NOTE: The Turn Signal pictured may vary from the actual Turn Signal in your Kit. The mounting procedure still remains the same.



PROCEED TO SECTION 3

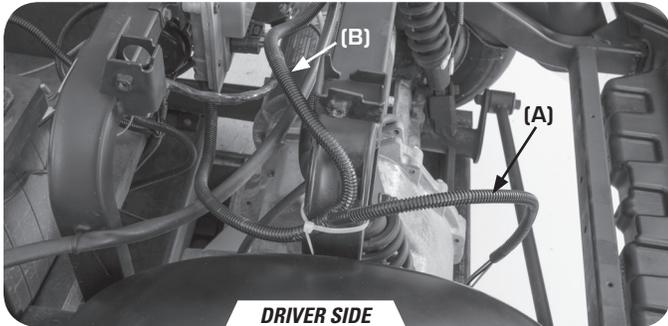
SECTION 2

STANDARD LIGHT KIT INSTALLATION

If you installed a **Deluxe Light Kit**, skip to Section 3

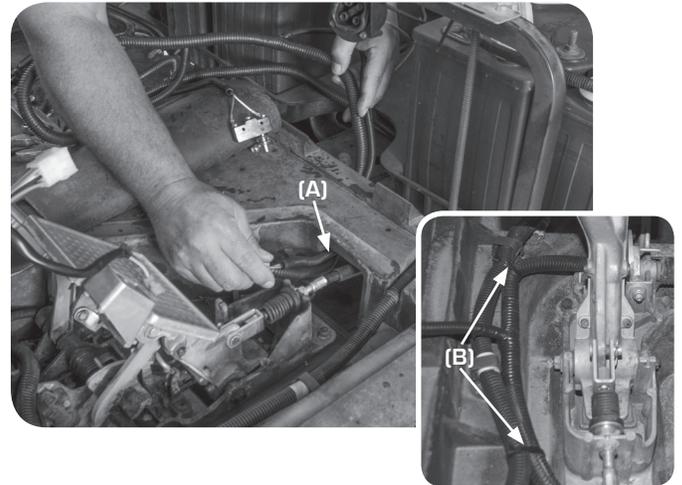
2:1 ROUTE TAIL LIGHT HARNESS TO REAR

Route the Wire Harness to the rear for Tail Lights, making sure the Shorter Harness (A) stemming from the "Y" goes to DRIVER side and the Longer Harness (B) goes to PASSENGER side. Secure Harness with zip ties.



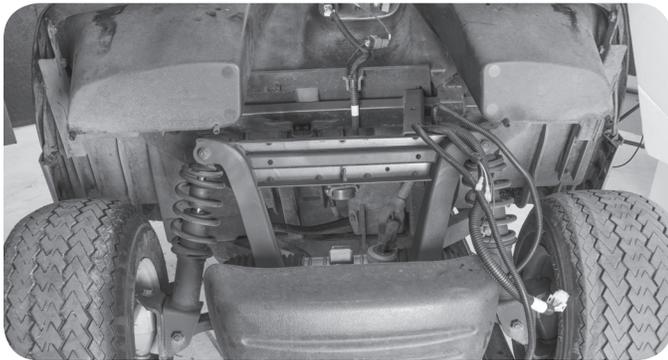
2:2 ROUTE HEADLIGHT HARNESS THROUGH BRAKE COMPARTMENT

Pull the other end of the Wire Harness (A) under the Floorboard and into Brake Compartment. Route them to the left of the Brake Pedal and back under the Floorboard leading to the front of the Car. Mount Harness to existing Cable with zip ties (B).



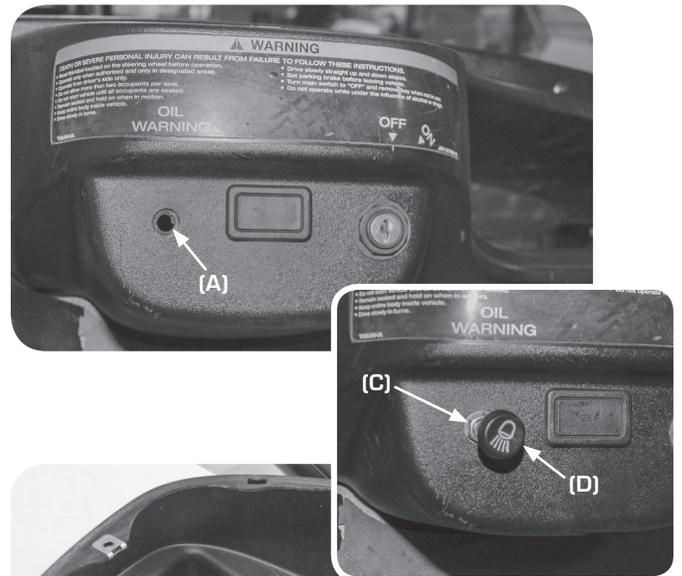
2:3 ROUTE HEADLIGHT HARNESS TO FRONT

Coming from the Main Harness, pull Headlight Harness (similar to Tail Light end) and again make sure the Shorter end stemming from the "Y" is on the PASSENGER side.



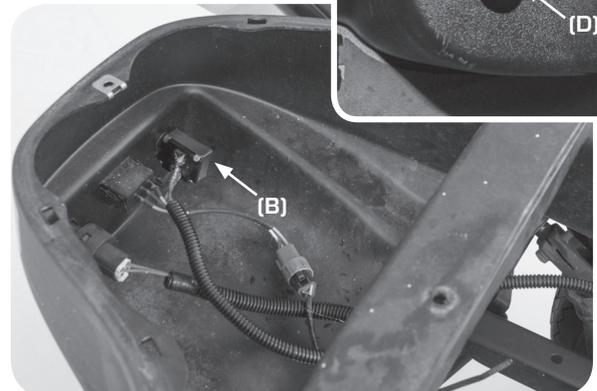
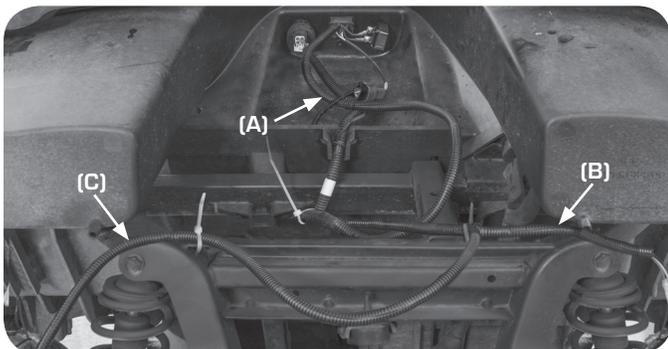
2:5 DRILL AND INSTALL LIGHT SWITCH

Drill a hole (A) into the Dash for Light Switch. Then mount Light Switch (B) to the Dash with Nut (C) and finish by mounting the Light Switch Knob (D).



2:4 ROUTE ACCESSORY WIRING TO DASH

Route Accessory Harnesses (A) into back of the Dash. Route the Wire Harness for Headlights, making sure the Shorter Harness (B) stemming from the "Y" goes to DRIVER side and the Longer Harness (C) goes to PASSENGER side. Secure Harness with zip ties.

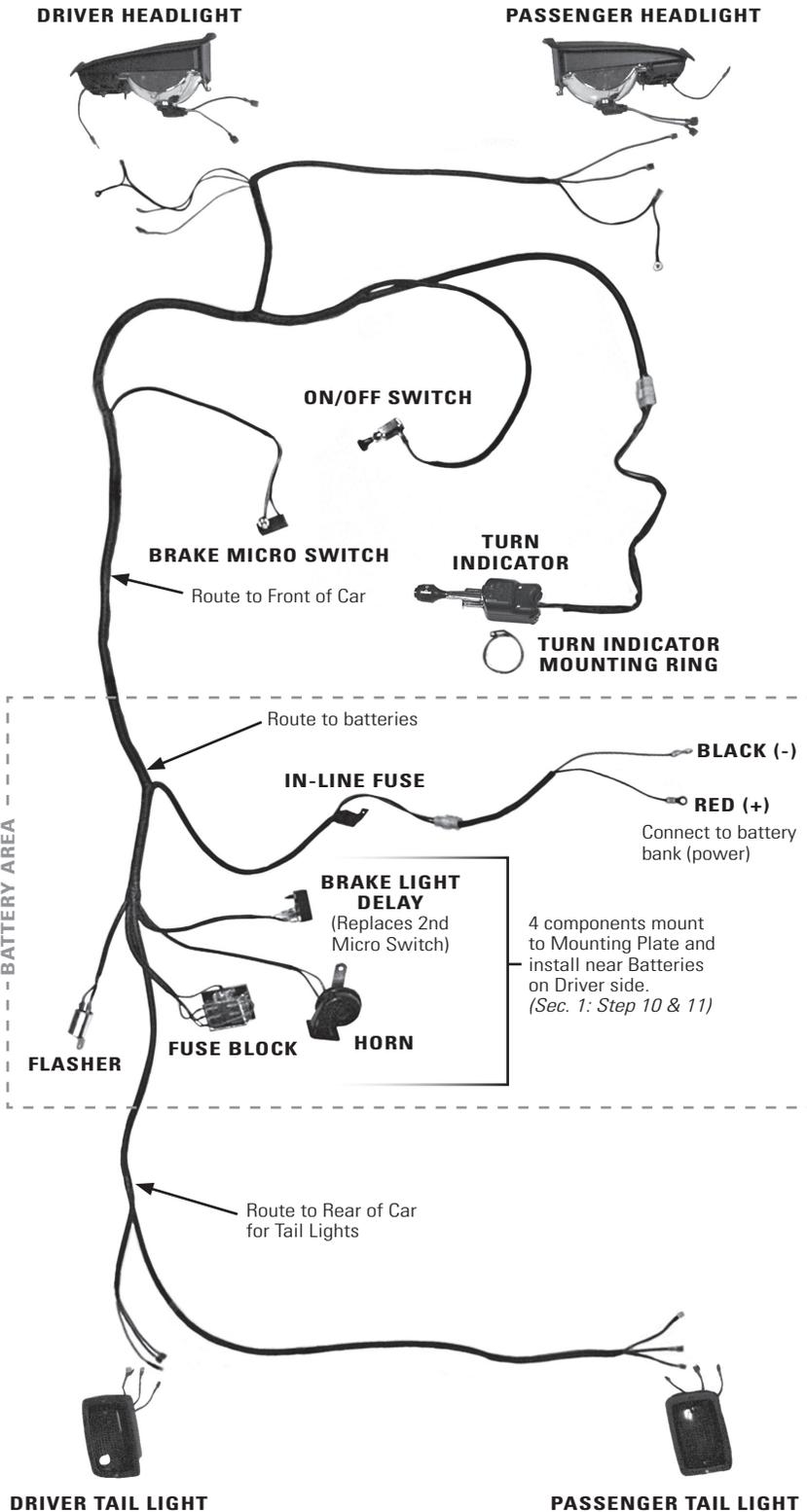


SECTION 3

CONNECT & TEST LIGHT KIT

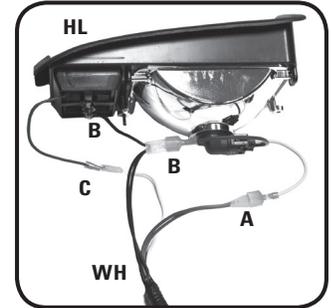
3:1 CONNECT HEAD LIGHTS & TAIL LIGHTS FOR TESTING

Temporarily connect the Head and Tail Lights to the Wiring Harness for testing before installing the Body. This diagram is shown with a Deluxe Wiring Harness. The Standard Wiring Harness only includes Driver/Passenger Head and Tail Lights, ON/OFF Switch, In-line Fuse and Black/Red Power Leads. Use these diagrams and battery diagrams (pg. 8) to connect and test your system.



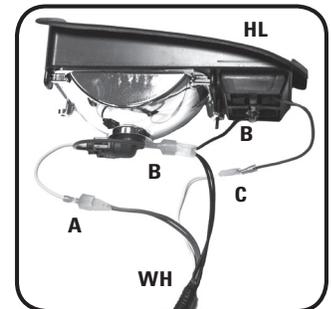
DRIVER HEADLIGHT

WH	HL
A) Red	> Green
B) Black	> Black (& Black eyelet to amber light screw)
C) Yellow	> Brown



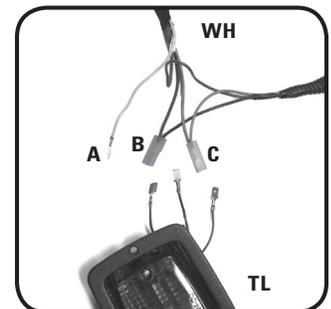
PASSENGER HEADLIGHT

WH	HL
A) Red	> Green
B) Black	> Black (& Black eyelet to amber light screw)
C) Green	> Brown



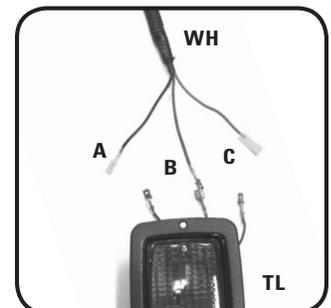
DRIVER TAIL LIGHT

WH	TL
A) Orange	> Red
B) Black	> Black
C) Red	> Brown



PASSENGER TAIL LIGHT

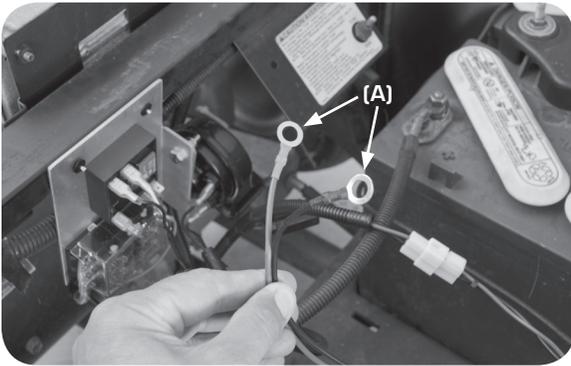
WH	TL
A) Black	> Black
B) Brown	> Red
C) Red	> Brown



3:2 CONNECT HARNESS TO BATTERIES

DIAGRAM KEY

-  Battery Connecting Cables
-  Main Leads (Red & Black)
-  Main Positive & Negative
-  Wire Harness



3:3 TEST THE LIGHT SYSTEM

Select the diagram that matches your specific battery layout. Route and connect the Red (+) and Black (-) Power Leads (A) stemming from the Wire Harness to the location specified in the corresponding diagram. Test your system to make sure everything is **functioning** correctly:

Standard:

- Head & Tail Lights power on and off

Deluxe:

- Head & Tail Lights power on and off
- Horn works
- Left Turn Indicator works for Front & Rear
- Right Turn Indicator works for Front & Rear
- Brake Lights work when brake is activated

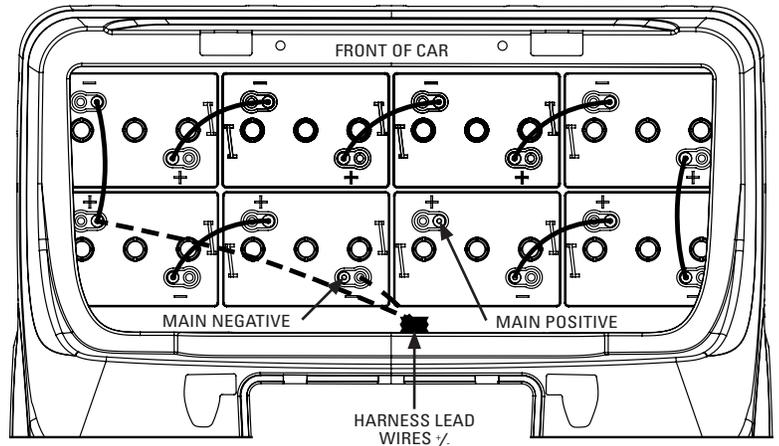
Disconnect Power Leads from Battery & disconnect (remove) Head & Tail Lights for Body installation.

NOTE: Make sure all components work before proceeding to the next step.

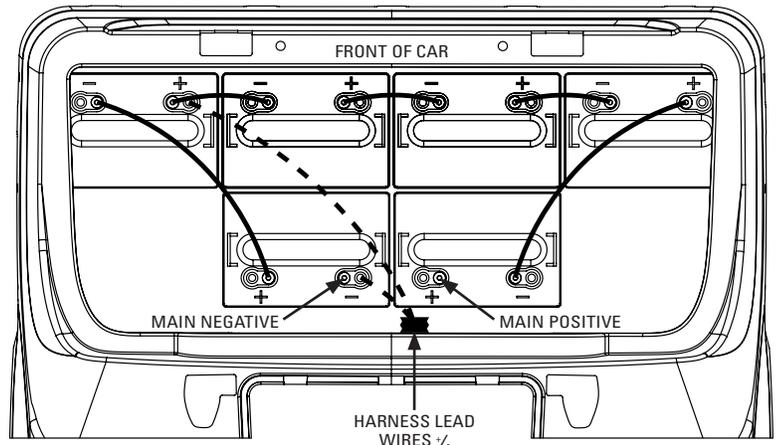
PROCEED TO SECTION 4

****MAKE SURE ALL COMPONENTS WORK BEFORE PROCEEDING TO THE NEXT STEP****

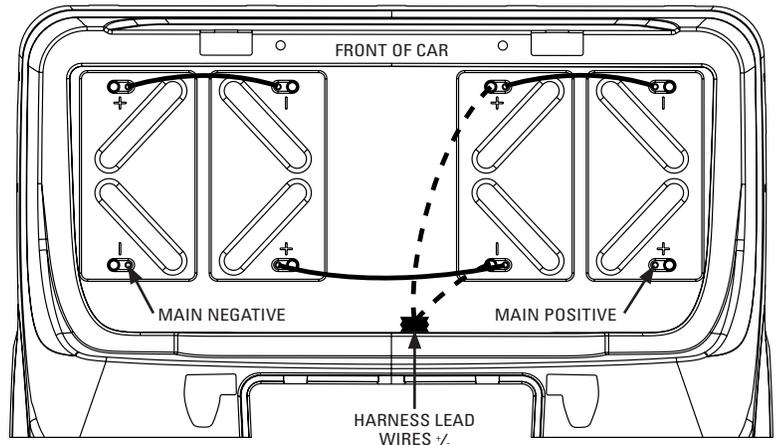
YAMAHA DRIVE (8) 6V CONFIGURATION



YAMAHA DRIVE (6) 8V CONFIGURATION



YAMAHA DRIVE (4) 12V CONFIGURATION



SECTION 4

BODY INSTALLATION

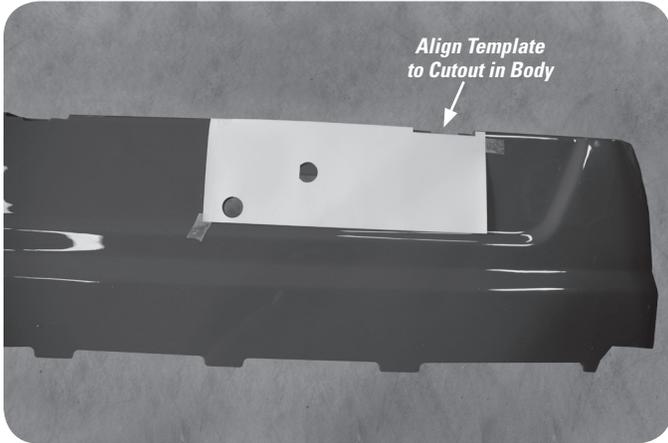
Remove the protective body film before installing

4:1 REAR BODY GAS/ELECTRIC CUTOUTS

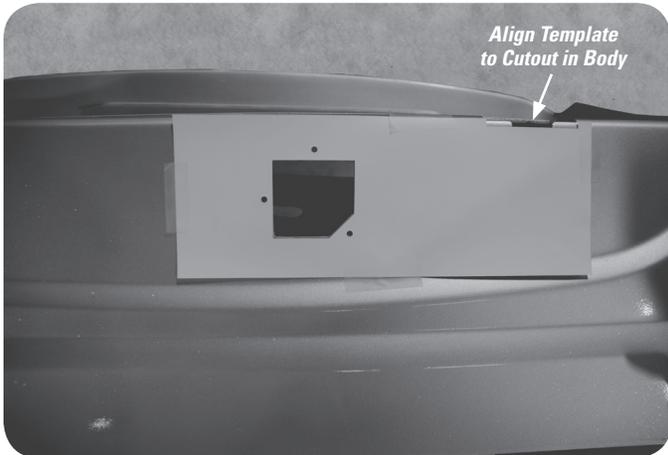
**Choose the appropriate template according to your specific car type.*

Align Template with Driver Side Cutout on topside of the Body and tape into place. Drill/cut out openings according to template.

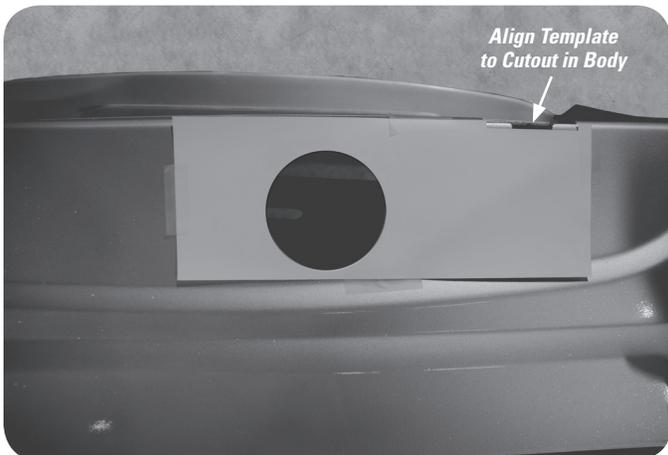
Gas Template



Electric Template



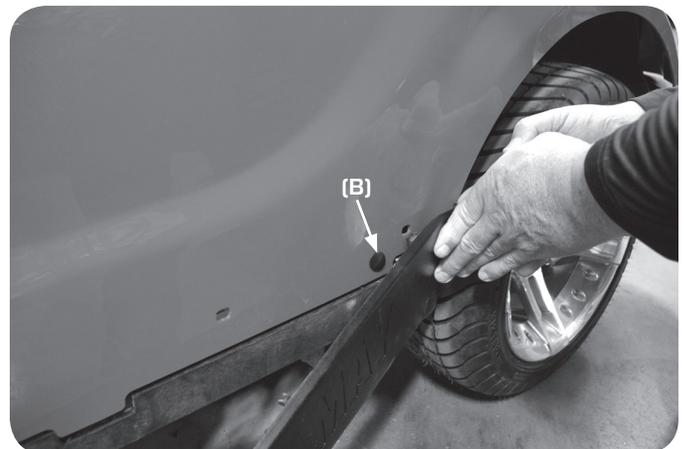
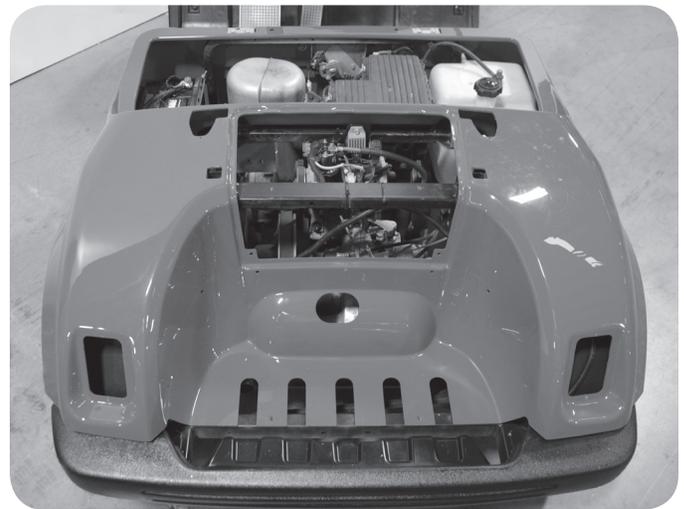
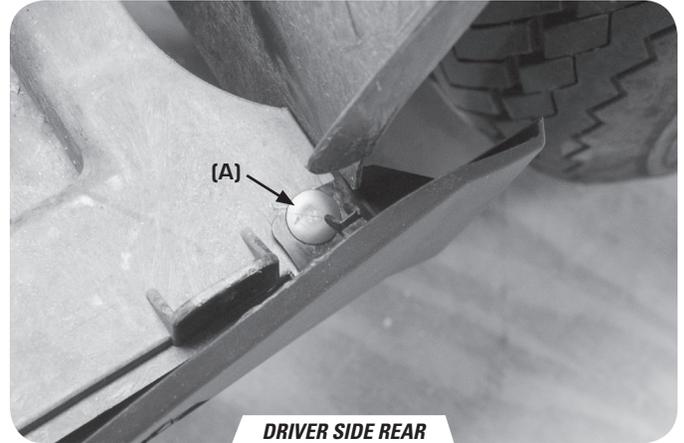
Round Electric Template



4:2 INSTALL REAR BODY

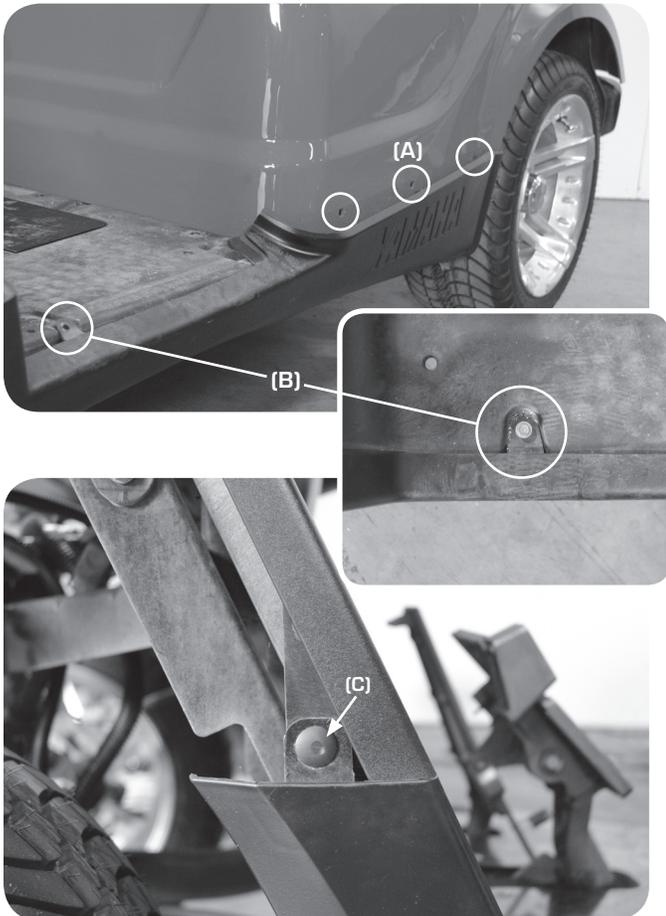
**Make sure the protective film has been removed.*

Mount side panel to floorboard directly in front of Driver Side Rear Wheel Well with Push Rivet (A). Then place Rear Body onto Frame, guiding Tabs into Cutouts in the Floorboard. Insert Push Rivet (B) into side of Body near Rear Wheel Well (repeat for Passenger Side).



4:3 INSTALL SIDE PANEL

Start from Rear, Align and slide Peg Clips on Side Panel into holes (A). Mount Side Panel to Floorboard with Screw (B). Mount to Dash Frame with Push Rivet (A) (repeat for Passenger Side).

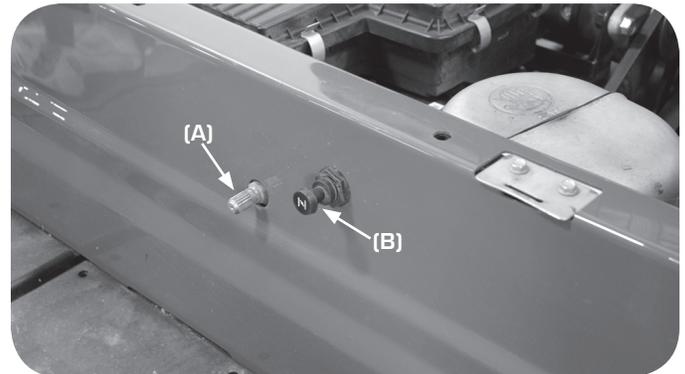


4:4 INSTALL GAS AND ELECTRIC COMPONENTS

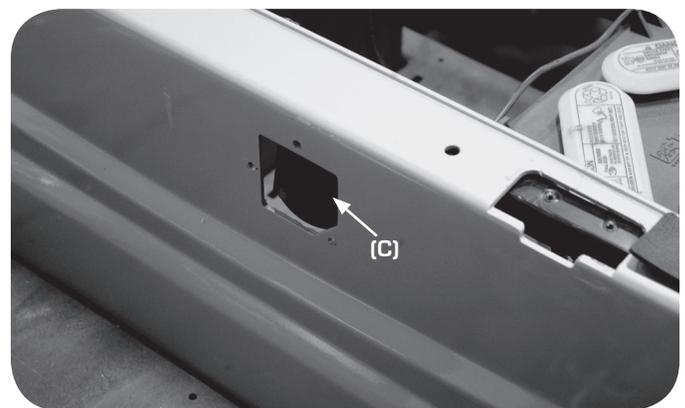
**Choose following step according to your specific car type. Make sure the protective film has been removed.*

On Gas Models, reinstall F/R Handle (A) and Choke Handle (B). On Electric Models, reinstall Electric Charge Receptacle Cover (C).

Gas F/R Handle and Choke



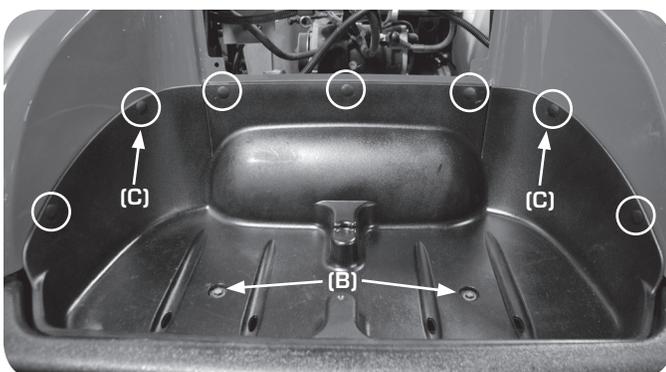
Electric Charge Receptacle Cover



4:5 INSTALL BAGWELL LINER

**Make sure the protective film has been removed.*

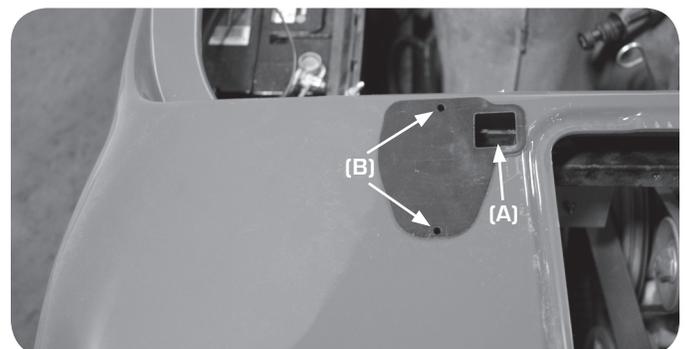
Place Bagwell Liner (A) on top of Rear Body and Bumper. Insert the Factory Bolts (B) into place and fully tighten. Then insert seven Push Rivets (C) along the top edge of the Bagwell Liner.



4:6 INSTALL DRAIN HOLE COVERS

**Make sure the protective film has been removed.*

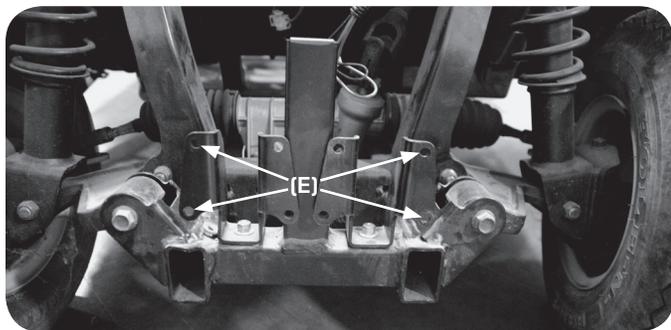
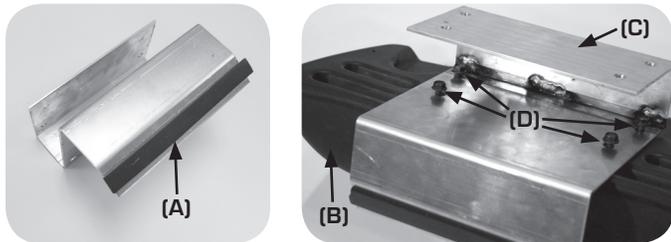
Align Square Hole (A) in Drain Cover with Seat Post Hole in Body. Use Drain Cover as template to drill holes (B) for mounting. Mount Drain Covers to body with Push Rivets, included in bag with Drain Covers (repeat for Passenger Side).



4:8 INSTALL FRONT BUMPER

Install 1/8" Foam Tape (A) on front angle of Bumper Bracket. Mount Front Bumper (B) to Bumper Bracket (C) with Factory Bolts (D). Then insert 1/4" x 1" HEX bolt, with 1/4" Washer into Bumper Bracket (C) and mount to the four Outside Holes on Car Bracket (E) with 1/4" Washer and 1/4" Nyloc Nut.

NOTE: Fully tighten Bolts.



4:7 INSTALLING TAIL LIGHTS

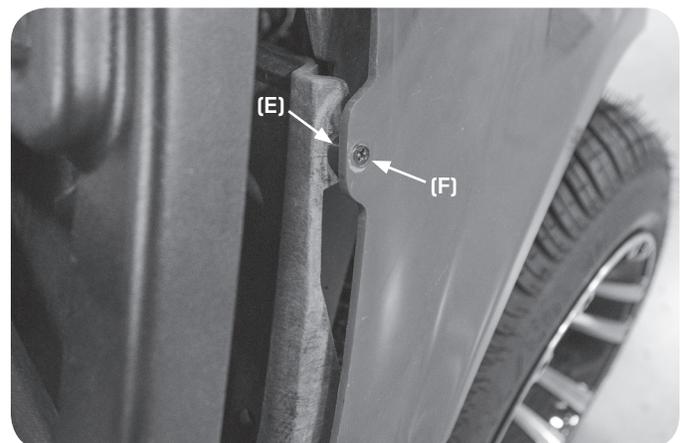
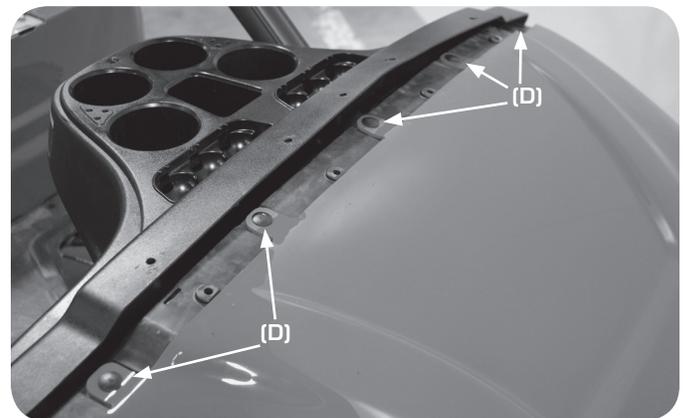
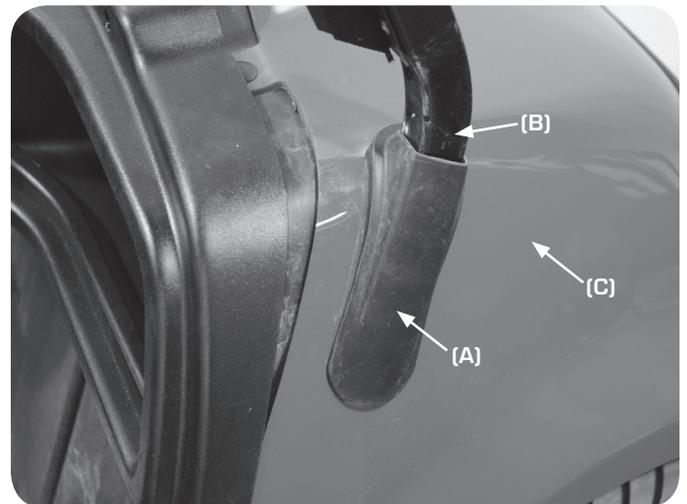
See wiring diagram (pg. 7) for connecting Tail Lights. Once connected, slide Light into place and mount with Kit Screws (repeat for Passenger Side).



4:9 INSTALL FRONT COWL

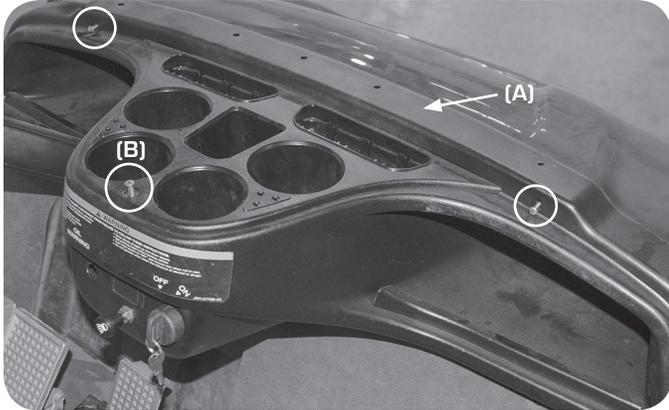
**Remove protective film from Front Cowl.*

Slide the Front Frame Boots (A) up and off of the Front Frames (B). Without loosening the Front Frames, slide the Factory Front Cowl (C) up and off of the Front Frames. Install Vortex Cowl by inserting the top of the Front Frames thru the cutouts in the Cowl and sliding down into position. Align Tab Holes to insert Push Rivets (D) into all five Top Tabs. Then insert 1/4" x 1/4" Spacer (E) behind Front Cowl and mount with #8 3/4" Flat Screw (F).



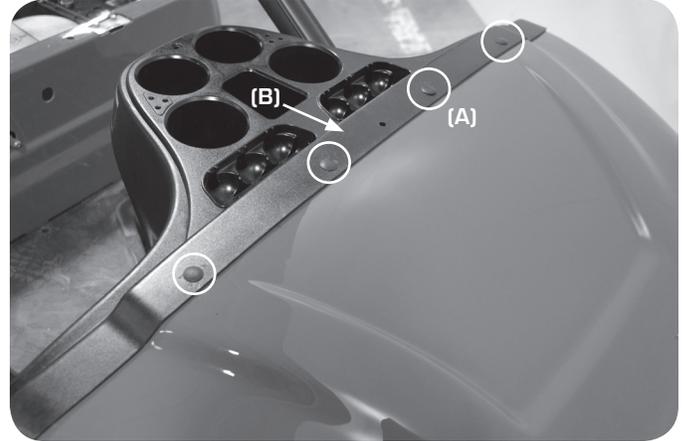
4:10 REINSTALL DASH

Make sure the Front Cowl is seated correctly under the Dash Trim Edge (A). Reinstall the Dash using Factory Bolts where indicated (B).



4:11 REINSTALL DASH TRIM AND FRONT FRAME BOOTS

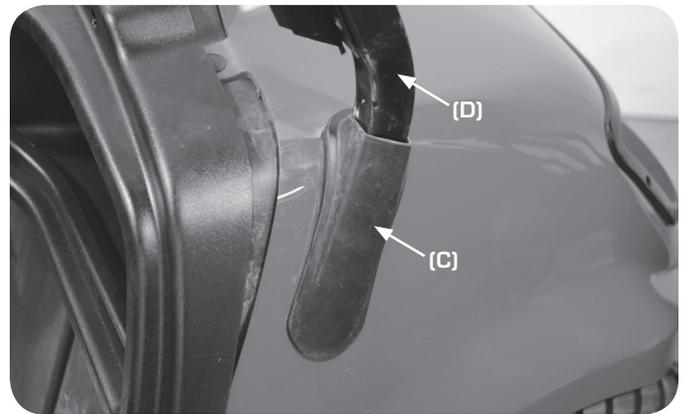
Insert Push Rivets (A) thru Dash Trim (B) where indicated. Reinstall Front Frame Boots (C) by sliding Boot over the top of the Front Frames (D) and seating into cutout holes in Cowl.



4:12 INSTALL HEADLIGHTS

**Make sure the protective film has been removed.*

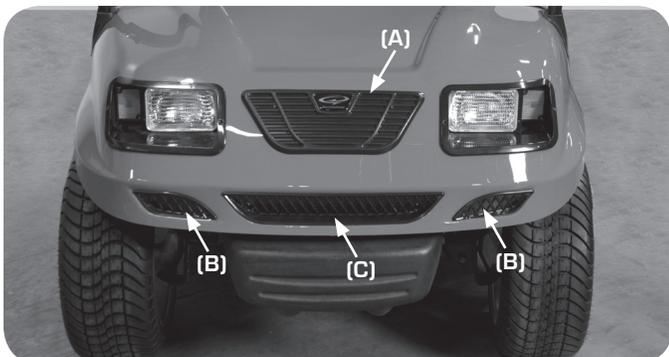
See wiring diagram (pg. 7) for connecting Headlights. Once connected, slide light into place and mount with Kit Screws (repeat for other side).



4:13 INSTALL GRILL

**Make sure the protective film has been removed.*

Align Grill (A) so that it is centered between Headlights and mount using pre-drilled holes in Grill. Place Driver and Passenger Scoops (B) and Front Scoop (C), so they are centered in molding and mount using pre-drilled holes. Mount all Grills using 4 x 3/4" screws.



4:14 CONNECT LIGHT SYSTEM TO BATTERIES

Reconnect the power leads from the wiring harness to the batteries using the diagrams on Page 8.