



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

PHANTOM BODY SET & LIGHT INSTALLATION

TABLE OF CONTENTS:

- Section 1** - Install Bucket Harness
- Section 2** - Deluxe Light Kit Installation
- Section 3** - Standard Light Kit Installation
- Section 4** - Connect & Test Light Kit
- Section 5** - Body Installation

PREPARE CAR FOR INSTALLATION:

Remove the following:

- Factory Top
- Factory Top Rear Supports
- Seat Back Supports Sweater Basket
- Front Bumper
- Windshield
- Front Seat Bottom
- Front and Rear Colored Body Panels
- Front Plastic Fender

NOTE: Do not remove Front Frames.
Save all original Hardware for later use.



SECTION 1

INSTALL BUCKET HARNESS FOR ELECTRIC CARS (Model Years 2007+)

If you have a **Gas Car**,
skip to Section 2 (Deluxe)
or Section 3 (Standard)



BUCKET HARNESS

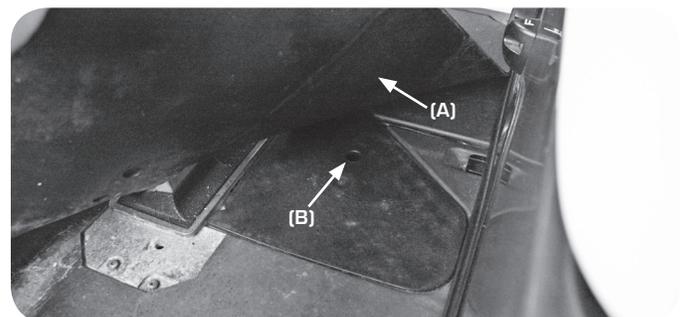
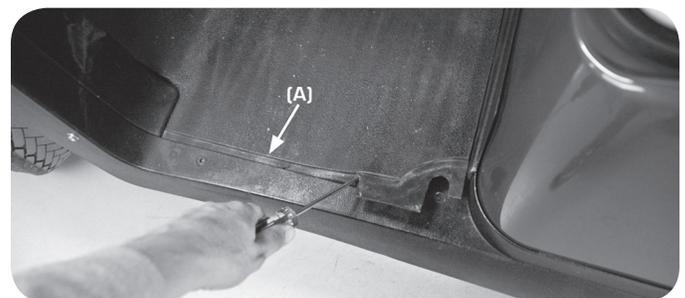
1:1 PLACE SWITCH IN TOW POSITION

ELECTRIC ONLY: Lift Seat Bottom and place the TOW/RUN Switch in the TOW position.



1:2 REMOVE FLOORBOARD COVER

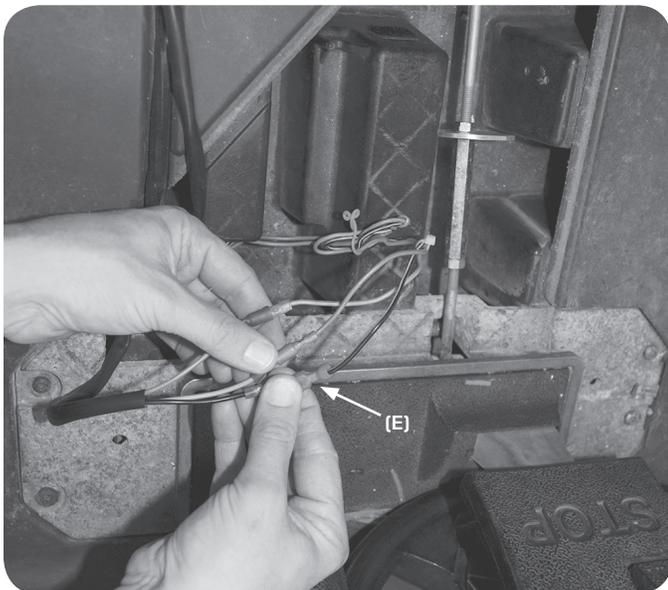
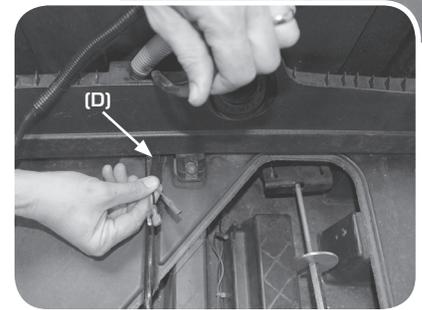
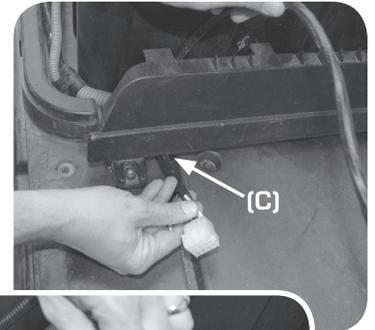
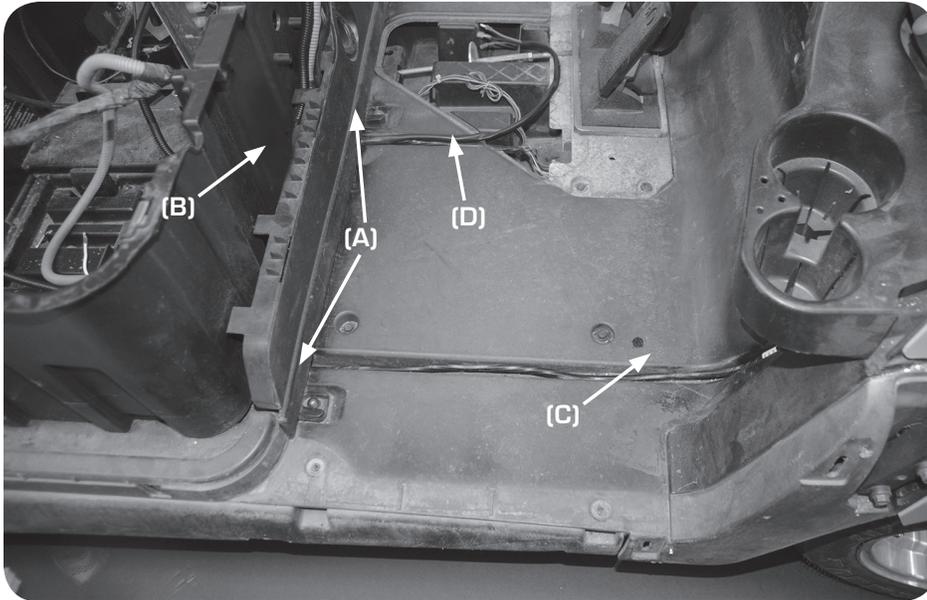
Remove Rubber Floor Mat (A) by using a Screw Driver to pry Mat out from under Rocker Panel. Locate finger hole in the Plastic Panel (B) found between Brake Pedal and Battery Compartment. Lift out Panel to locate Brake Linkage and Brake Adjustment in floor.



1:3 ROUTE LOWER END OF HARNESS

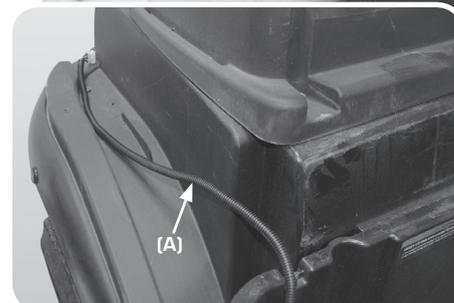
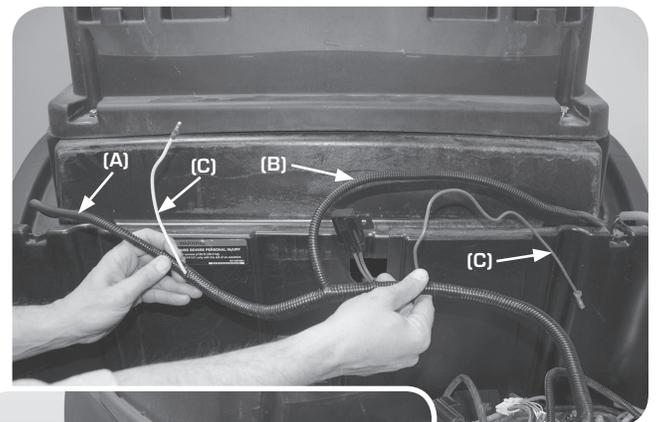
Loosen two of the Screws connecting the Kick Plate to the Floorboard **(A)**. Route the lower end of Harness between Battery Compartment and Kick Plate **(B)**. Feed 12-PIN Connector under Kick Plate and route to the front passenger side cup holders, using the channel in the Floorboard **(C)**.

Feed 12-PIN Connector behind the Dash. Feed the 3 loose wires under the Kick Plate and route to the Brake Well using the channel in Floorboard **(D)**. Connect the 3 loose wires to their mates in Brake Well **(E)**. Secure Wiring.



1:4 ROUTE TO TAILLIGHTS

Route Main Harness to Passenger Taillight out of Battery Compartment **(A)**. Route Splice off of Main Harness to Driver Side Taillight **(B)**. Red and White Wires connect to Batteries **(C)**. (See Sec. 4)



**Batteries have been removed for clarity*

SECTION 2

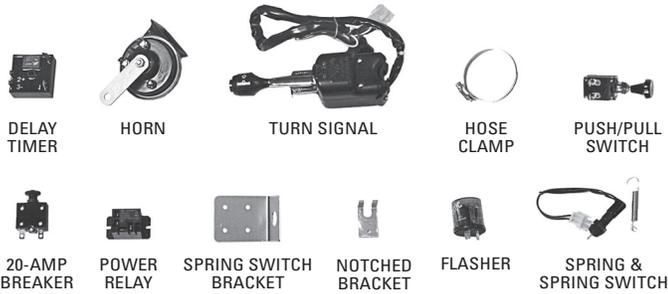
DELUXE LIGHT KIT INSTALLATION

If you are installing a **Standard Light Kit**, skip to Section 3

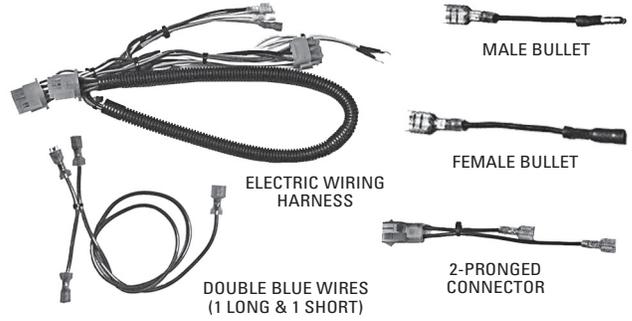
COMMON PARTS (GAS & ELECTRIC KITS)



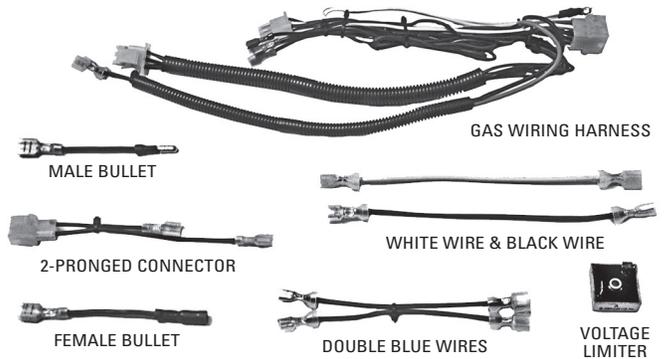
STEERING COLUMN COVER



ELECTRIC CARS ONLY

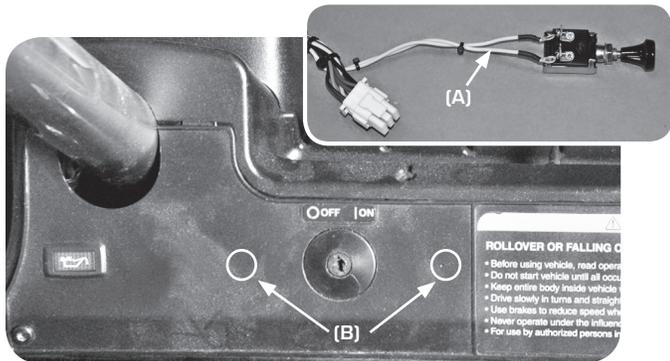


GAS CARS ONLY



2:1 MOUNT PUSH/PULL SWITCH TO PANEL

Attach Yellow Wires from the Harness to Push/Pull Switch (A). Drill 3/8 inch hole in the Switch Panel for Push/Pull Switch. Locate the hole approximately 1-1/2" on either side of Ignition Switch (B). Remove Knob, Nut and Washer from Push/Pull Switch. Insert into hole and replace Washer, Nut and Knob (C).
NOTE: Fully tighten hardware.

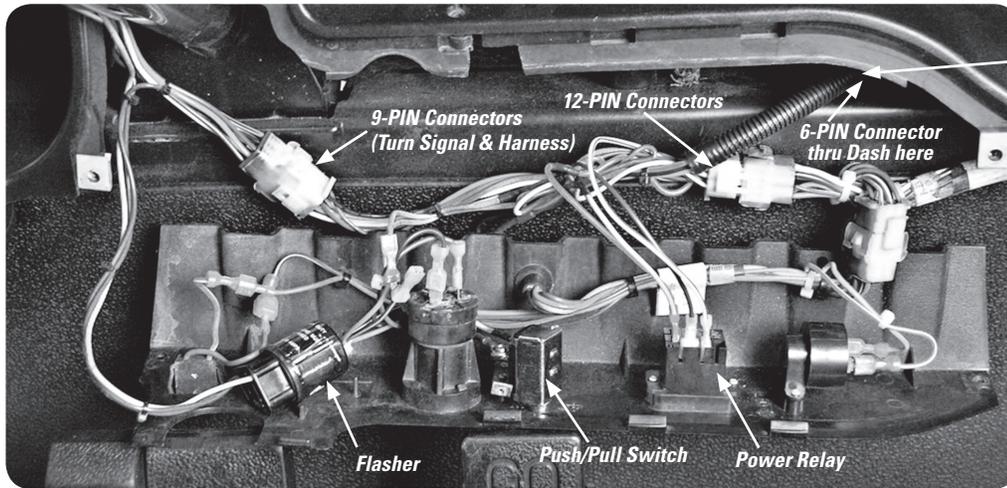


2:2 REMOVE IGNITION SWITCH PANEL

Remove the Ignition Switch Panel by removing the Torx Head Screws.



IGNITION SWITCH PANEL (BACK) WIRING REFERENCE



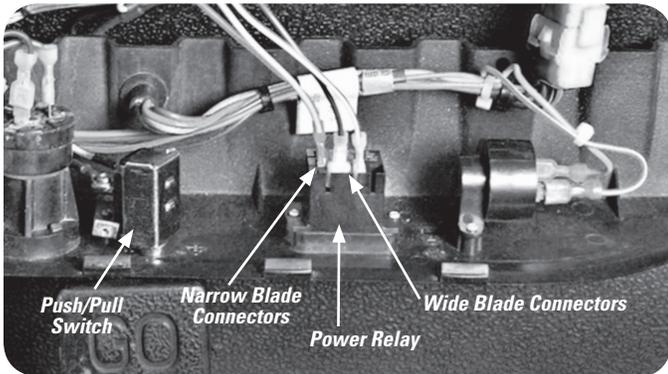
- GAS CARS ONLY -

Locate the long RED and BLACK Wires on Main Wiring Harness. Push these wires thru Dash with the 6-PIN Connector

The GAS Harness does not have a 12-PIN Connector. It has two 9-PIN Connectors.

2:3 MOUNT POWER RELAY

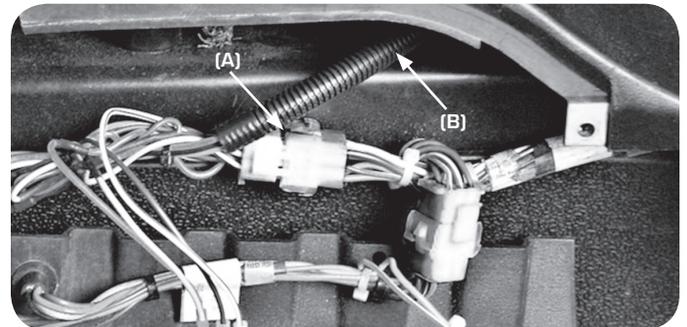
Locate and secure the Power Relay to the Panel with two #4 x 3/8" Screws (supplied) into the existing holes. Locate the four loose Wires on the Harness and attach to Power Relay. The Wires are designed where 2 will only fit one side and the other 2 will fit the remaining side of the Relay (There are 2 narrow Blades and 2 wide Blades on the Relay).



2:4 12-PIN & 6-PIN CONNECTORS

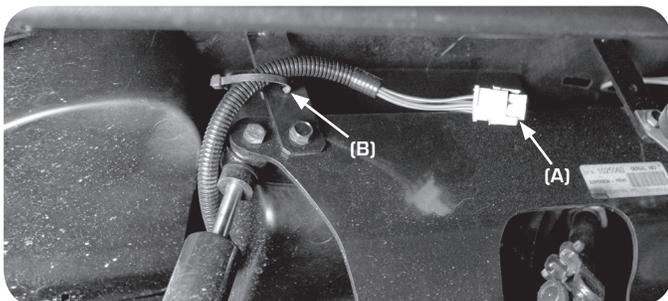
Plug the 12-PIN Connectors (A) together (One end from Harness and one end from Bucket Harness installed in Sec. 1). The 6-PIN Connector is for the Headlight. Push it thru the Dash where indicated below (B).

GAS CAR: The Gas Wiring Harness has 9-PIN Connectors on each end. One end replaces the 12-PIN Connector (A) shown below. Locate the long Red and Black Wires and push these Wires thru the Dash with the 6-PIN Connector (B) shown below.



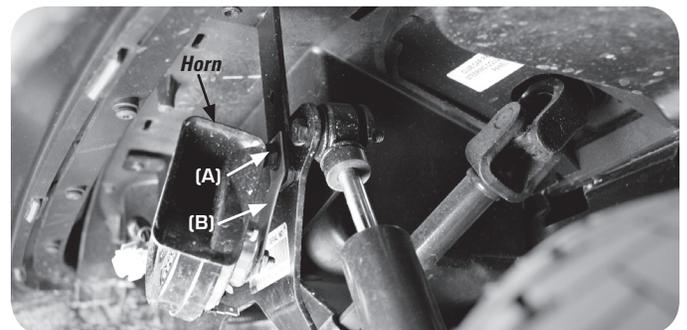
2:5 SECURE 6-PIN HARNESS

Locate 6-PIN Harness end (A) that was pushed thru the Dash (on Passenger Side). Pull the Wiring Loom to Front of Car and secure the Wiring Loom from moving parts, with a zip tie using the existing hole (B) in the Frame Support above Shock Mount.



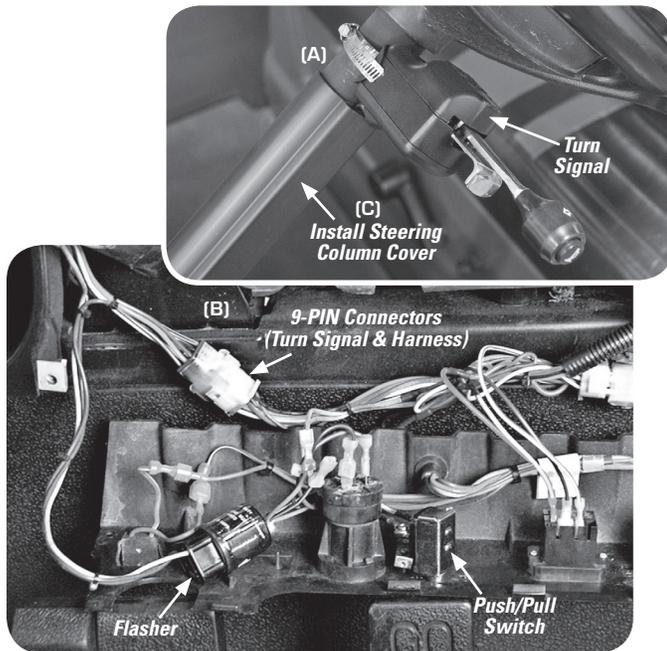
2:6 INSTALL HORN

Locate the Bolt (A) holding the Front Cowl Support Structure to the Frame on the DRIVER'S SIDE (Next to the Top Shock Mount). Remove the Bolt and install the Horn Bracket (B) with the Bolt that was just removed.



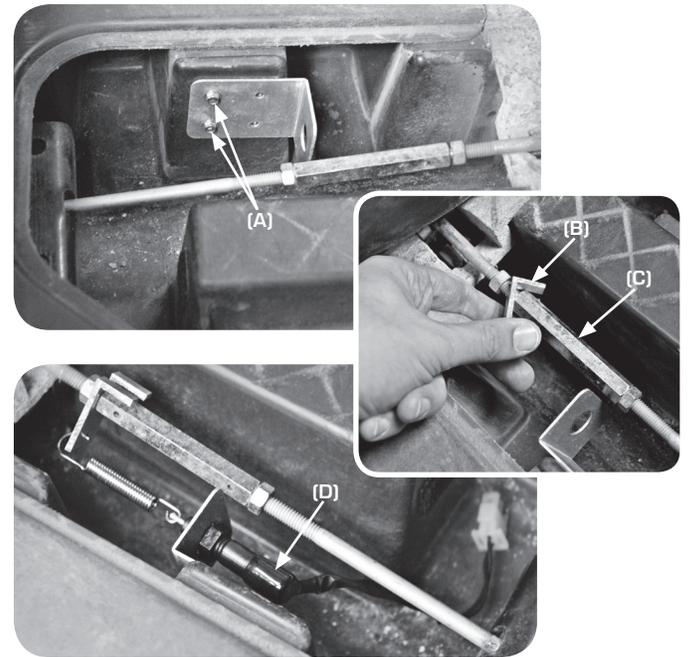
2:8 MOUNT AND CONNECT TURN SIGNAL

Mount Turn Signal Switch to Steering Column with the Hose Clamp. Carefully slide Clamp and Turn Signal up until the Clamp almost touches the Steering Wheel. Position Turn Signal as desired and tighten Clamp **(A)**. Run the Turn Signal Wiring down the Steering Column and route 9-PIN Connector and Flasher behind the Ignition Panel. Connect the 9-PIN Connectors **(B)**. Snap the Steering Column Cover over Steering Column, making sure wiring is hiding in Channel on Steering Column Cover **(C)**.



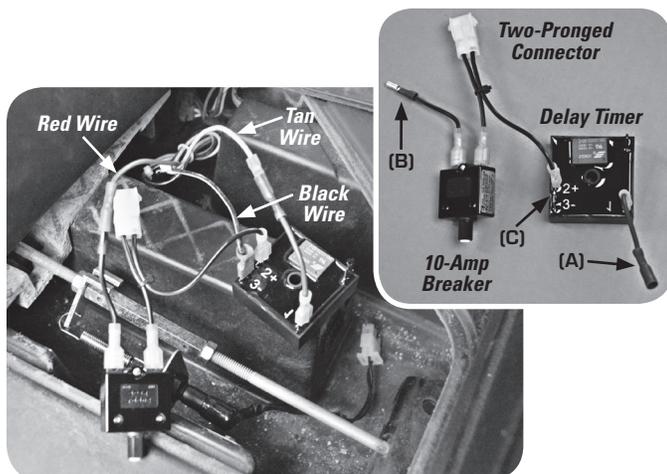
2:10 BRAKE SWITCH INSTALLATION

Use two Self-Tapping Screws **(A)** to mount Bracket 1/4" below Floorboard (to allow for Floor Panel to be seated properly) and positioned as shown. Locate Small Notched Bracket **(B)** in the Harness Kit (3/4" x 1-1/2") and attach to Brake Adjustment **(C)** (You will have to loosen Top Nut enough to slide Bracket onto Linkage. Tighten Nut to secure Bracket. Insert the Spring Switch **(D)** into Bracket. Attach Spring to Notched Bracket. Make sure when the Brake Pedal is depressed the Spring Switch is activated.

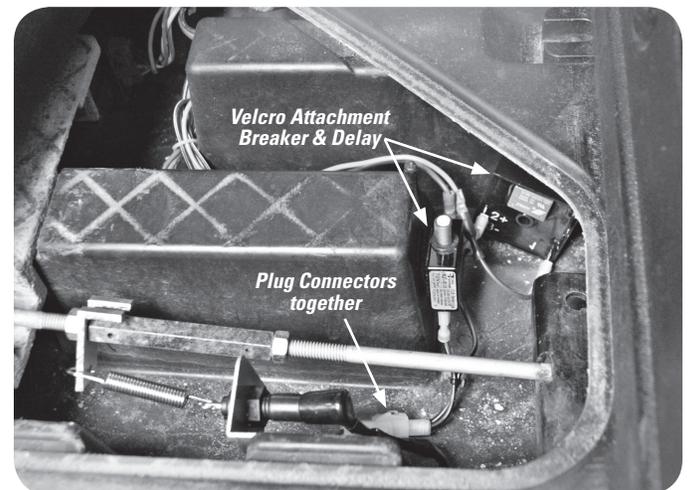


2:11 INSTALL DELAY & 10-AMP CIRCUIT BREAKER

Locate 10-amp Breaker, Delay Timer and Small Wires. Connect the wiring as shown. Under the Floorboard, opposite from mounted Spring Switch, locate a Tan, a Red, and a Black Wire coming from Car. The Tan Wire has a Male Bullet Connector which connects to the Female Bullet **(A)** on the Delay. The Red Wire has a Female Bullet Connector that connects to the Male Bullet **(B)**



on the Circuit Breaker. The Black Wire with a Spade Connector plugs into the #3 Spade **(C)** on the Delay. Use Velcro to attach the Breaker and the Delay to the Car as shown. Plug together the Connectors from the Breaker and the Spring Switch and replace Plastic Floor Cover.



PROCEED TO SECTION 4

SECTION 3

STANDARD LIGHT KIT INSTALLATION

If you are installing a **Deluxe Light Kit**, skip to Section 4

COMMON PARTS (GAS & ELECTRIC KITS)



ELECTRIC CARS ONLY



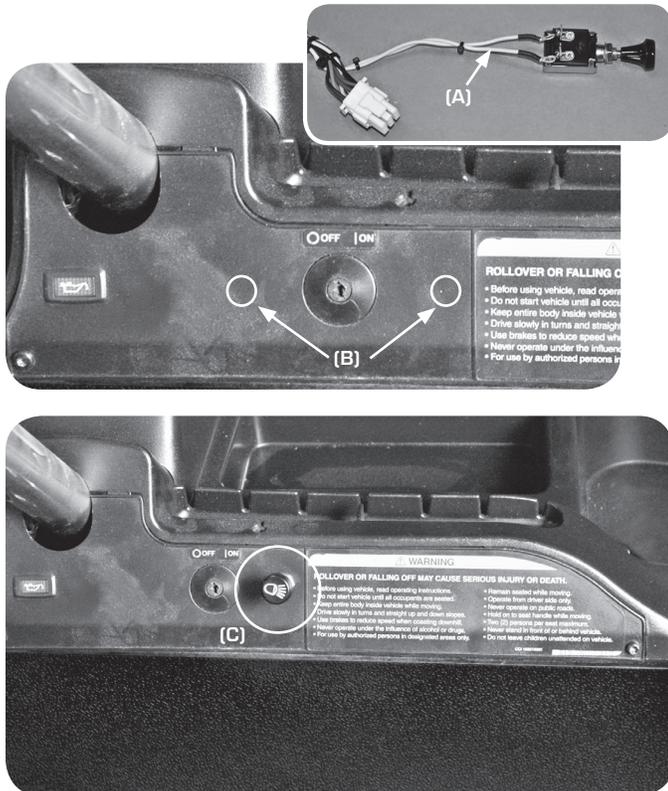
GAS CARS ONLY



3:1 MOUNT PUSH/PULL SWITCH TO PANEL

Attach Yellow Wires from the Harness to Push/Pull Switch (A). Drill 3/8 inch hole in the Switch Panel for Push/Pull Switch. Locate the hole approximately 1-1/2" on either side of Ignition Switch (B). Remove Knob, Nut and Washer from Push/Pull Switch. Insert into hole and replace Washer, Nut and Knob (C).

NOTE: Fully tighten hardware.

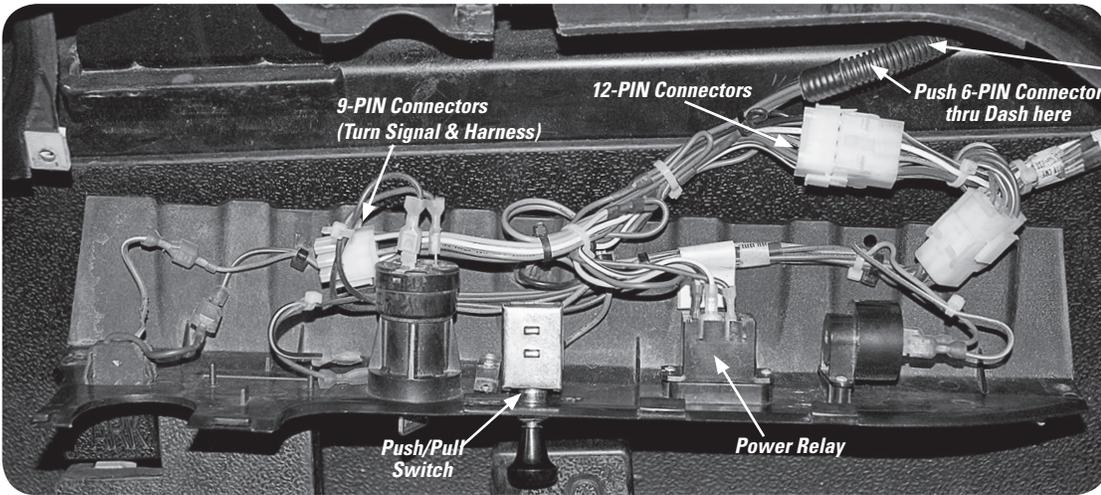


3:2 REMOVE IGNITION SWITCH PANEL

Remove the Ignition Switch Panel by removing the Torx Head Screws.



IGNITION SWITCH PANEL (BACK) WIRING REFERENCE



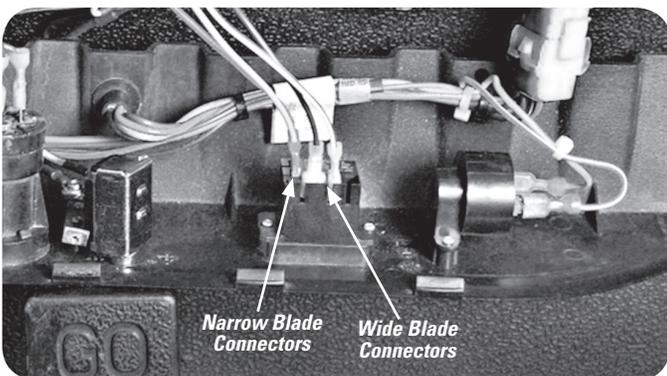
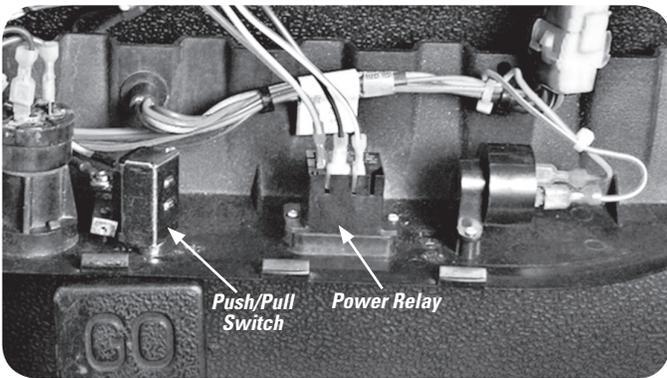
- GAS CARS ONLY -

Locate the long RED and BLACK Wires on Main Wiring Harness. Push these wires thru Dash with the 6-PIN Connector

The GAS Harness does not have a 12-PIN Connector. It has two 9-PIN Connectors.

3:4 MOUNT POWER RELAY

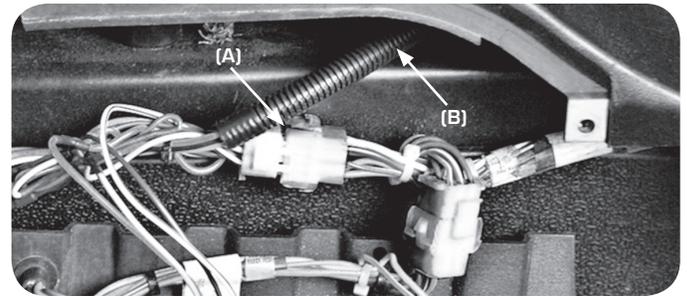
Locate and secure the Power Relay to the Panel with two #4 x 3/8" Screws (supplied) into the existing holes. Locate the four loose Wires on the Harness and attach to Power Relay. The Wires are designed where 2 will only fit one side and the other 2 will fit the remaining side of the Relay (There are 2 narrow Blades and 2 wide Blades on the Relay).



3:5 12-PIN & 6-PIN CONNECTORS

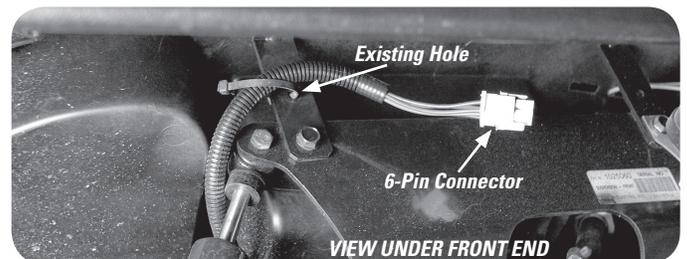
Plug the 12-PIN Connectors (A) together (One end from Harness and one end from Bucket Harness installed in Sec. 1). The 6-PIN Connector is for the Headlight. Push it thru the Dash where indicated below (B).

GAS CAR: The Gas Wiring Harness has 9-PIN Connectors on each end. One end replaces the 12-PIN Connector (A) shown below. Locate the long Red and Black Wires and push these Wires thru the Dash with the 6-PIN Connector (B) shown below.



3:6 SECURE 6-PIN HARNESS

Locate 6-PIN Harness end that was pushed thru the Dash (Passenger Side). Pull the Wiring Loom to Front of Car and secure with a zip tie away from moving parts (Use existing hole in Frame Support above Shock Mount).



PROCEED TO SECTION 4

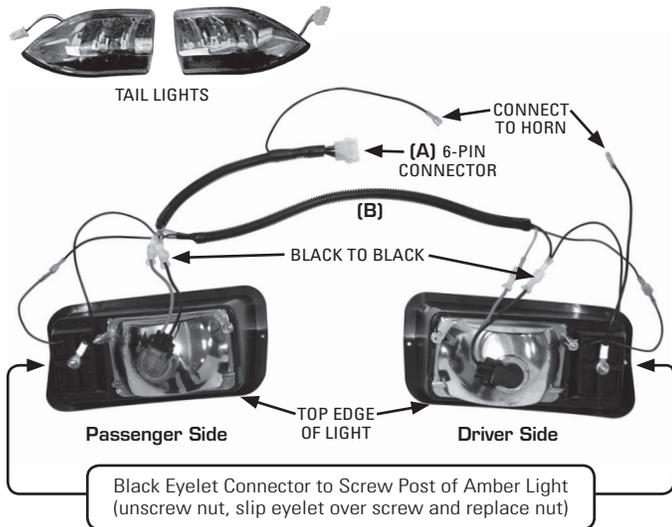
SECTION 4

CONNECT & TEST LIGHT KIT

4:1 TEMPORARILY CONNECT HEADLIGHT HARNESS AND LIGHTS FOR TESTING

**The Wiring Diagram below is for illustration purposes only. Do not connect both Lights before installing Harness.*

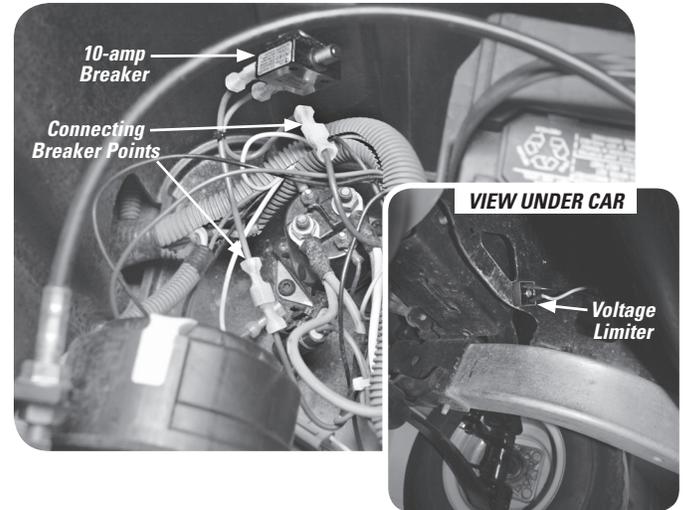
Connect the 6-PIN Connectors from the Main Harness (Sections 1:6 & 2:6) and Headlight Harness (A). Run the long end of the Headlight Harness (B) across to the DRIVER SIDE and secure. Temporarily connect Headlights and Tail lights as shown below



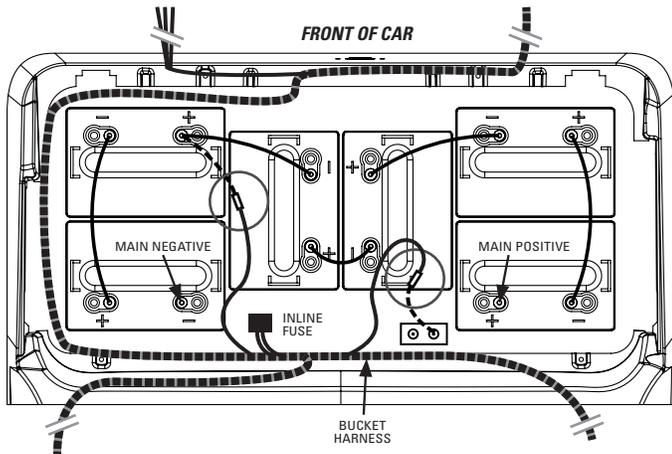
4:2 CONNECT POWER

GAS ONLY

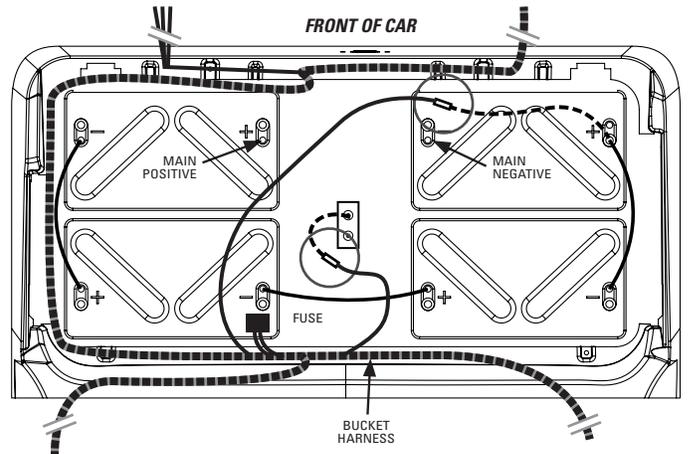
Attach Double Blue Wires to 10-amp Circuit Breaker. Attach the Black Wire and White Wire to Voltage Limiter. Install the Voltage Limiter under the Car on the Passenger's Side using the existing hole located on the metal Center Dash Support. Locate Red and Black Wires that were pushed thru Dash in Sections 1:5 & 2:5. Plug Red Wire to White Wire and Black Wire to Black Wire from Harness to Voltage Limiter. Plug the 10-amp Circuit Breaker into the 2 Connectors coming from the Harness near the Solenoid (next to the Battery) Mount Breaker to side with Velcro.



Club Car Phantom 48V (6 x 8V) Configuration



Club Car Phantom 48V (4 x 12V) Configuration



4:3 TEST SYSTEM

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

Standard:

- Head & Tail Lights power on and off

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

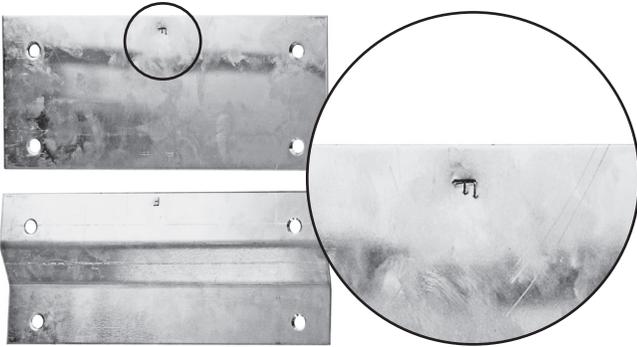
NOTE: Check to make sure all components work before proceeding to the next step.

SECTION 5

BODY INSTALLATION

5:1 MOUNT BRACKET PLATES TO BUMPER

Locate the two Bumper Bracket Plates. Each Bracket is stamped with an "F". This side of each Bracket should face the Bumper (away from Car). Mount each Bracket according to the year model of your Car as shown.



Use the short hardware provided to attach the two Bracket Plates to the Bumper, as pictured below (with stamped "F" facing towards Bumper).

NOTE: The Bracket Plates mount to the inside of the Bumper Tabs.

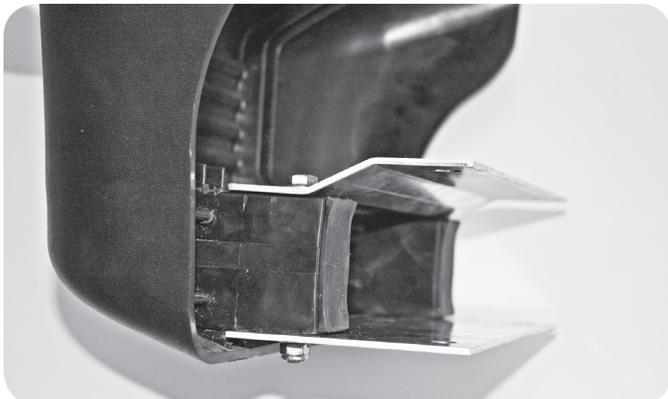
Electric Model Years: 2004-2007



Use the long hardware provided to attach the two Bracket Plates to the Bumper, as pictured below (with stamped "F" facing towards Bumper).

NOTE: The Bracket Plates Mount to outside of the Bumper Mounting Blocks.

Model Years: 2008+



5:2 MOUNT BUMPER TO CAR

Position Bumper Bracket Assembly over the Car Frame as shown. Use the Factory Bolts removed from Bumper in Step 1 to attach the Bumper Bracket Assembly to the Car.

NOTE: Fully tighten all hardware.



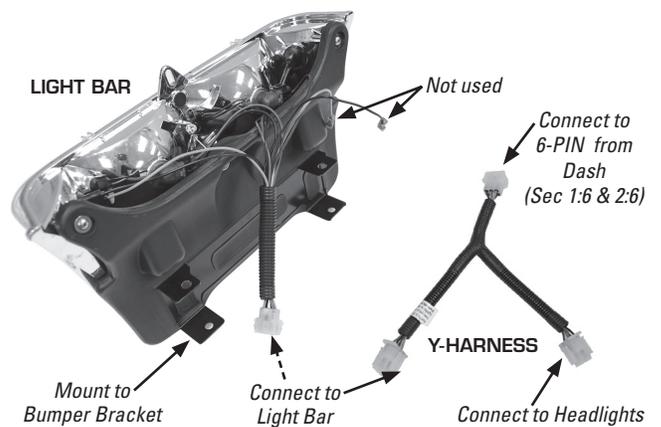
PROCEED TO STEP 4:3

LIGHT BAR OPTION (ADDS EXTRA LIGHTING)

Replace the Bumper with a Precedent Light Bar for additional lighting.

Mount Bumper Bracket to Light Bar (Sec. 4:1). Connect Male 6-PIN Connector from Y-Harness to 6-PIN Connector sticking through Dash (Sec. 1:6 & 2:6). Connect the remaining 2 female 6-PIN Connectors to the Light Bar and Headlight Connectors. On the Light Bar, leave the 2 loose wires (Orange & Black) disconnected. Mount Light Bar assembly to the Car.

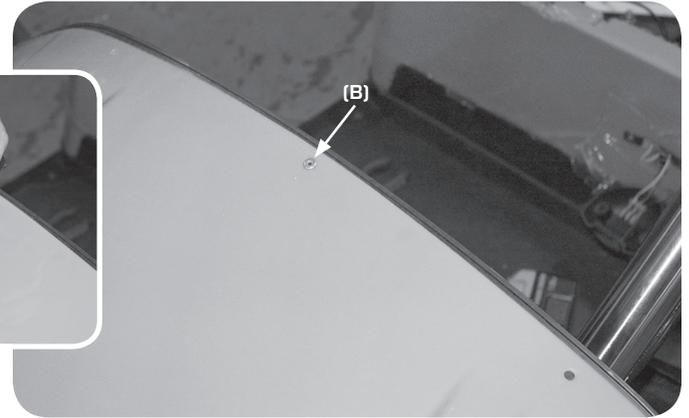
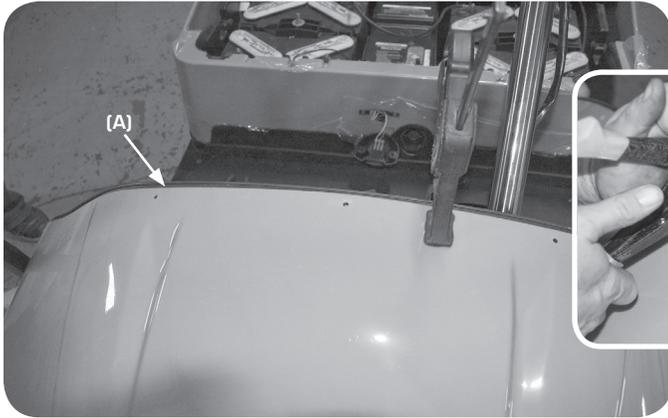
Light Bar and Y-Harness sold separately.



5:3 POSITION AND CLAMP FRONT COWL

Peel back the protective film around the top edge of Front Cowl. Place Front Cowl into position over the Front Support Structure, pushed up as close to the "lip" located along the Dash Edge **(A)**, as possible. Clamp the Cowl in position. Using the Center Hole as a guide, chase drill hole thru the Front Cowl Support Structure and install Rivet **(B)**. Begin with the lowest hole on

one side. Make sure Front Cowl is straight and level across the front and chase drill the hole in the Front Cowl and install a Rivet. Move to the opposite side and repeat. Install rivets in the remaining holes. Replace the Dashboard Cap using the factory hardware.



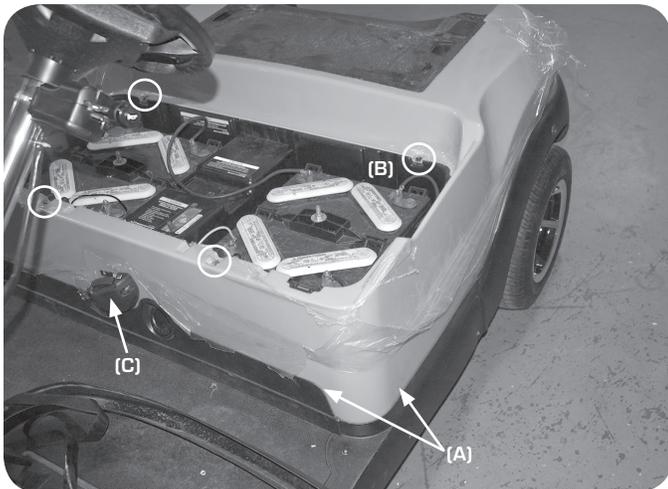
5:4 INSTALL REAR BODY

Peel back the Protective Film from the edges of the Rear Body. Align the Rear Body with the "Channels" in the Rear Support Structure. Make sure the Rear Body is completely seated down into the Channel (bottom edges all the way around) **(A)**. Reinstall the four Factory Screws **(B)** into Seating Area. Reinstall the F/R switch **(C)**.

5:5 REPLACE FRONT FRAME CAPS

Slide each Front Frame Cap back down over the Front Cowl. Make sure the Front Cowl is positioned to meet up nicely against the Golf Car Body Trim/Edging. Reinstall the Factory Screw that holds the Front Frame Cap in position.

NOTE: The Cap fit will be tight.



5:6 MOUNT HEADLIGHTS AND TAIL LIGHTS

Locate the Car's pre-wired Tail Light Connector (A). Pull it through the hole and plug in the Tail Light. Push all Wiring back into the hole. Thoroughly clean the area of the Car where the tape on the Tail Light will be sticking. Remove the protective covering from the double sided tape on the back of



the Tail Light, and position the Tail Light (B) so that it rests on the Bumper and the wide edge aligns with the Bag Well. Secure with Taillight Ring using the provided Hardware (C).



5:7 INSTALL GRILL

Decal Grill Option

**The Adhesive on the Grill Decal is extremely aggressive. Decal is not easily repositioned and may be damaged if pulled up after coming into contact with the Body. Make sure the Decal is positioned exactly where you want it before allowing it to touch the Body.*

Make sure the protective film has been removed from the Front Cowl and that the Grill Decal area is clean. Remove the Grill Decal from the Paper Backing. Center the Decal inside the Inset Grill Area of the Front Cowl (Do not allow the Decal to touch the Body until it is in the correct position). Press the Decal down in the center and work your way out from the center to the edges, making sure to remove any wrinkles or air pockets.



Plastic Grill Option

Make sure the protective film has been removed from the Front Cowl. Center the Plastic Grill over the Inset Grill Area of the Front Cowl. Mount to Front Cowl with provided Hardware.

NOTE: Fully tighten Hardware.

