

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



## PHOENIX BODY SET & LIGHT INSTALLATION - PRECEDENT

### TABLE OF CONTENTS:

- Section 1** - Install Bucket Harness
- Section 2** - Brake Installation
- Section 3** - Dash Harness Installation
- Section 4** - Turn Signal Installation
- Section 5** - Bumper / Lightbar Installation

- Section 6** - Headlight Harness Installation–Bumper
- Section 7** - Headlight Harness Installation–Lightbar
- Section 8** - Connect & Test Light Kit
- Section 9** - Mount Headlights, Grille, & Front Body Cowl
- Section 10** - Rear Body & Taillight Installation

### PREPARE CAR FOR INSTALLATION:

Remove the following:

- Factory Top
- Factory Top Rear Supports
- Sweater Basket
- Seat Back Supports
- 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.

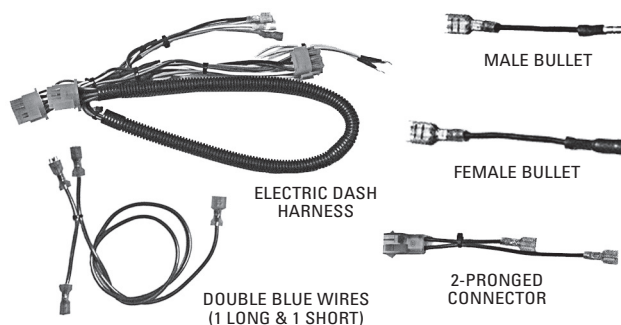


### PHOENIX LIGHT KIT COMPONENTS

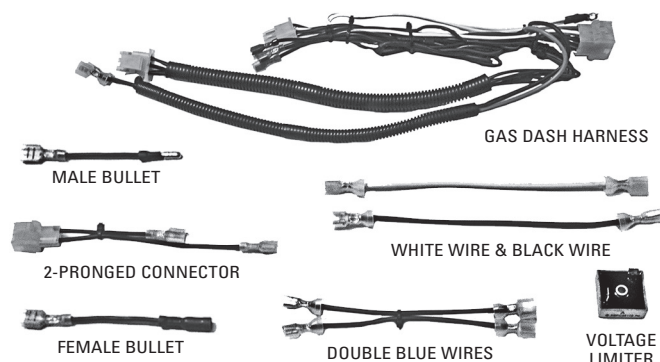
#### COMMON PARTS (ELECTRIC & GAS KITS)



#### ELECTRIC CARS ONLY



#### GAS CARS ONLY



# SECTION 1

## INSTALL BUCKET HARNESS

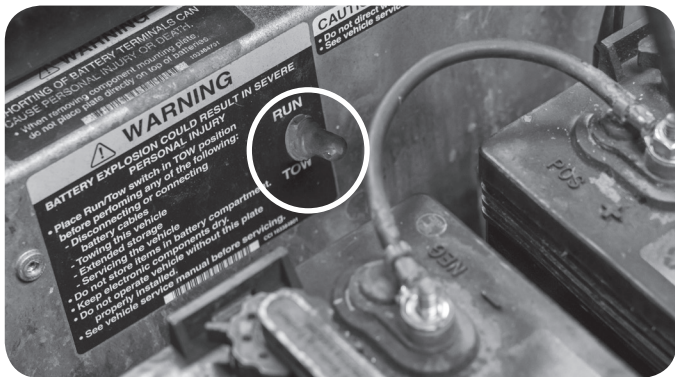
(Required for Model Years 2008+)



BUCKET HARNESS

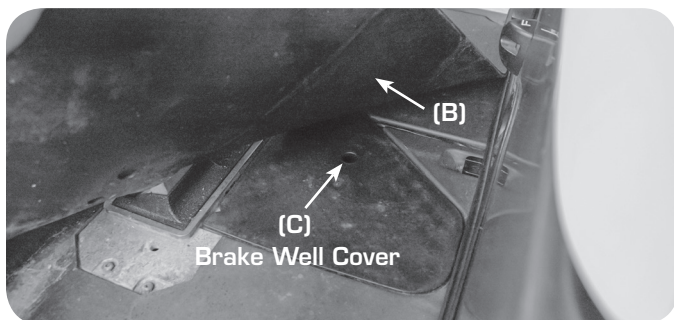
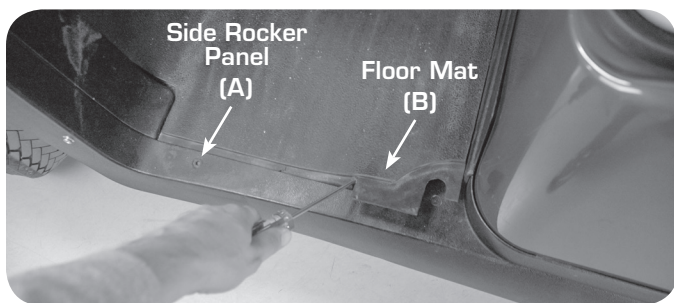
### 1:1 PLACE SWITCH IN TOW POSITION

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



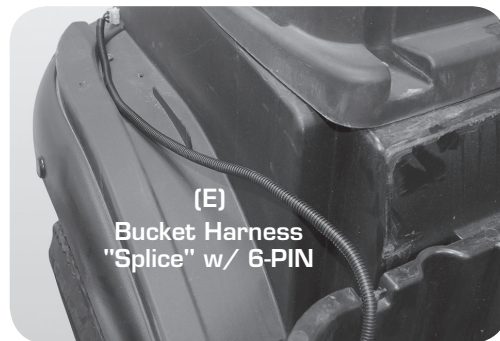
### 1:2 REMOVE FLOORBOARD COVER

- Loosen Side Rocker Panel screws **(A)** and Remove Rubber Floor Mat **(B)** by using a Screw Driver to pry Mat out from under Rocker Panel.
- Locate finger hole in the Brake Well Cover **(C)** found between Brake Pedal and Battery Compartment. Lift out Cover to reveal Brake Well with Brake Linkage and Brake Adjustment.



### 1:3 ROUTE BUCKET HARNESS TO TAILLIGHTS

- Route the smaller "Splice" off of the Main Bucket Harness **(D)** to Passenger Taillight **(E)** out of Battery Compartment.
- Route the Main Bucket Harness (with protruding white wire) to Driver Side Taillight **(F)**.
- White Wire **(G)** connects to Small Brown Wire coming from Negative (Battery) Cable **(H)** and Red Wire **(I)** connects to the front Battery on the Driver side **(J)**, during the Light Kit installation stage — See Section 8.

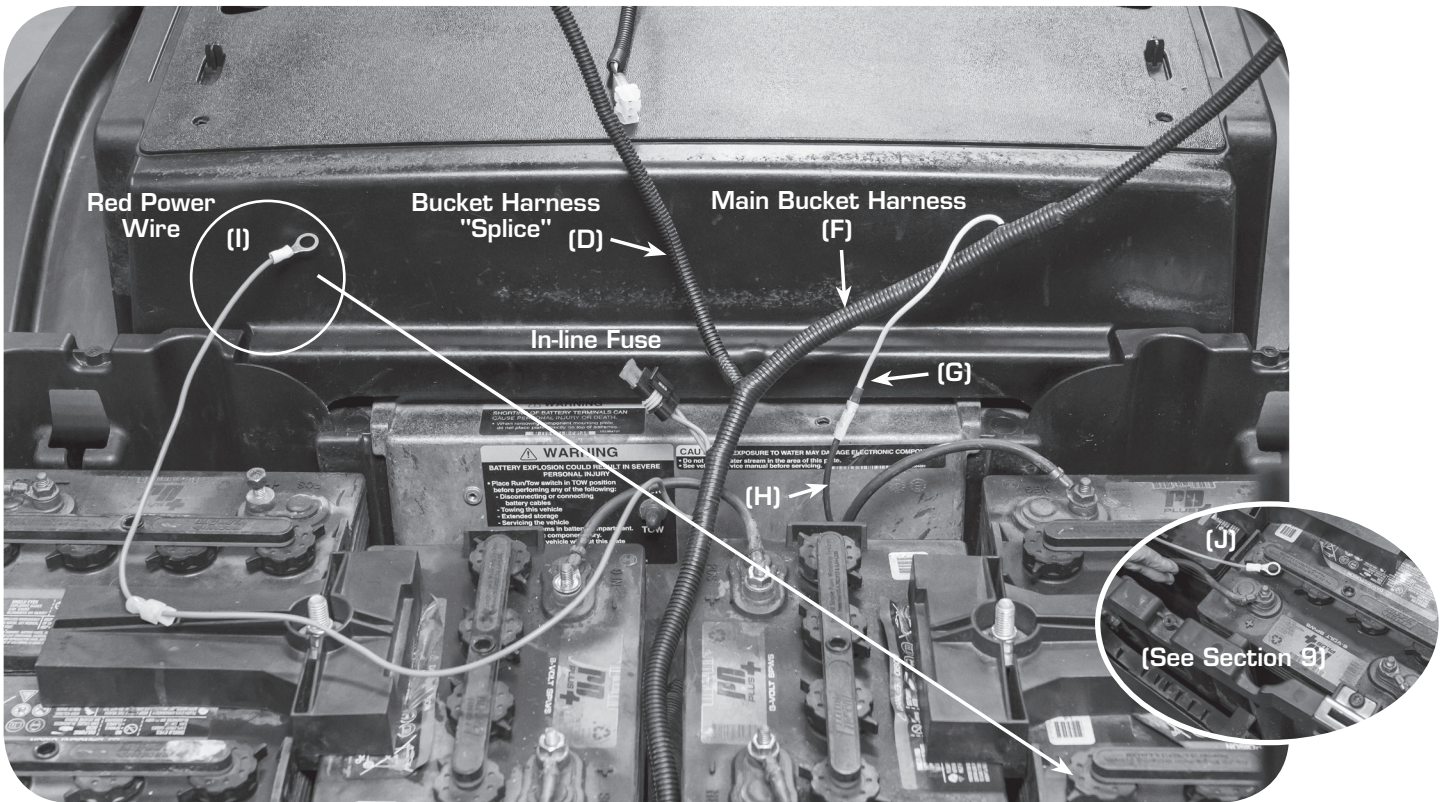


### 1:4 ROUTE BUCKET HARNESS TO DASH

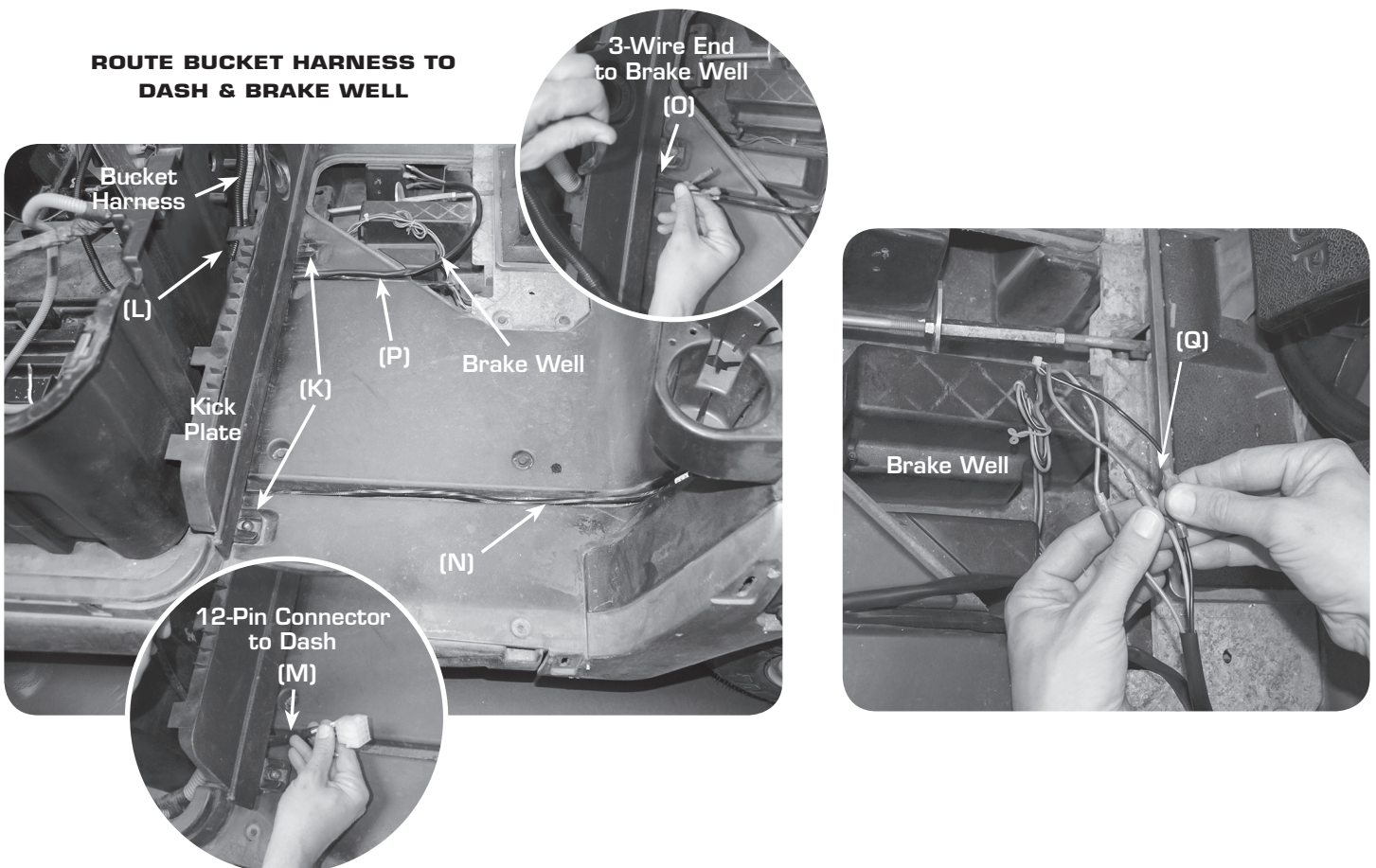
- Loosen two of the Screws connecting the Kick Plate to the Floorboard **(K)**.
- Route the lower end of Harness between Battery Compartment and Kick Plate **(L)**.
- Feed 12-PIN Connector under Kick Plate **(M)** and route to the front passenger side cup holders, using the channel in the Floorboard **(N)**, and then feed 12-PIN Connector up behind the Dash.
- Route the other splice with the 3 loose wires under the Kick Plate **(O)** and to the Brake Well using the center channel in Floorboard **(P)**.
- Connect the 3 loose wires to their mates in Brake Well **(Q)**. Secure Wiring.



## ROUTE BUCKET HARNESS TO DRIVER & PASSENGER TAILLIGHTS



## ROUTE BUCKET HARNESS TO DASH & BRAKE WELL



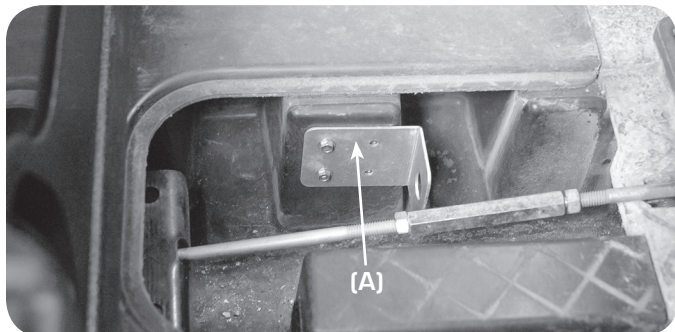


# SECTION 2

## BRAKE LIGHT INSTALLATION

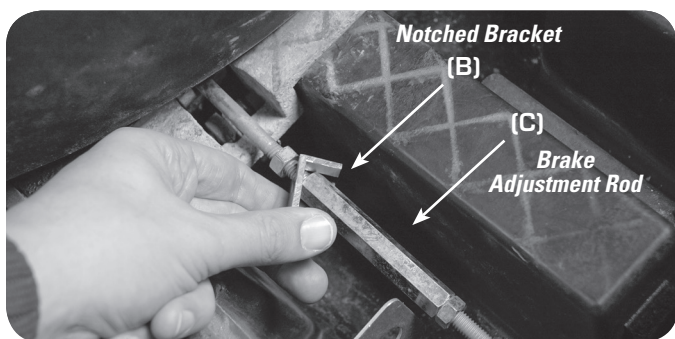
### 2:1 BRAKE SWITCH INSTALLATION

- Use two Self-Tapping Screws to mount Bracket **(A)** 1/4" below Floorboard, to allow for Floor Cover Panel to be replaced and seated properly. Bracket should face towards front of car.



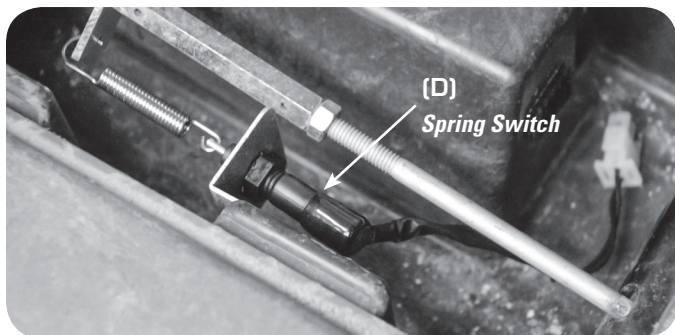
### 2:2 ATTACH NOTCHED BRACKET

- Locate Small Notched Bracket [3/4" x 1-1/2"] **(B)** in the Harness Kit and attach to Brake Adjustment Rod **(C)**. Loosen the Top Nut (closest to front of car) enough to slide Notched Bracket onto Linkage. Tighten Nut to secure Bracket.



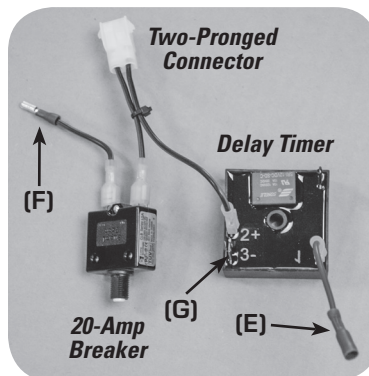
### 2:3 INSERT SPRING SWITCH

- Insert the Spring Switch **(D)** into Bracket. Attach Spring to hole in Notched Bracket. Make sure when the Brake Pedal is depressed the Spring Switch is activated.

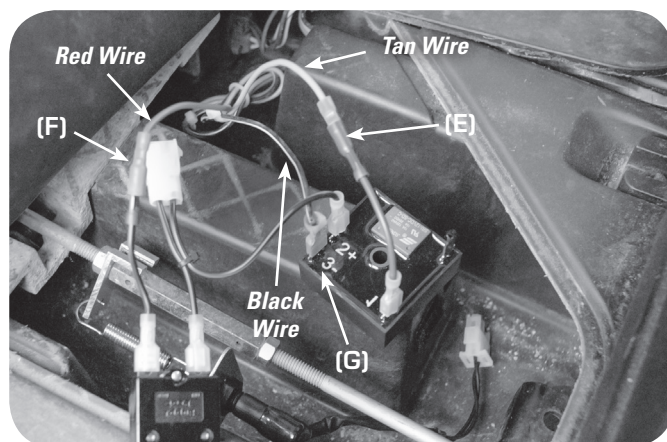


### 2:4 INSTALL DELAY & 10-AMP CIRCUIT BREAKER

- Locate 20-Amp Breaker, Delay Timer, Two-Pronged Connector, and Small Male Bullet Wire. Connect the wiring to parts as shown below.
- 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 **(E)** on the Delay.
- The Red Wire has a Female Bullet Connector that connects to the Male Bullet **(F)** on the Circuit Breaker.

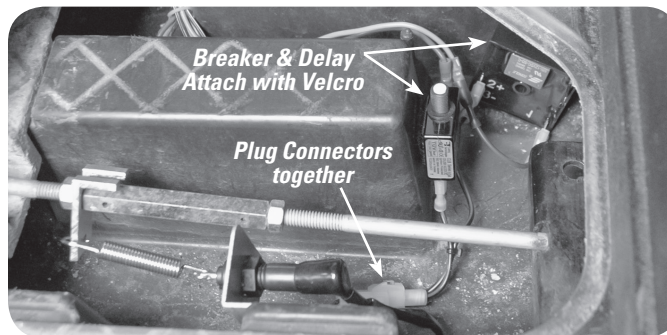


- The Black Wire with a Spade Connector plugs onto the #3 Spade **(G)** on the Delay.



### 2:5 ATTACH BREAKER AND DELAY TO CAR

- 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.





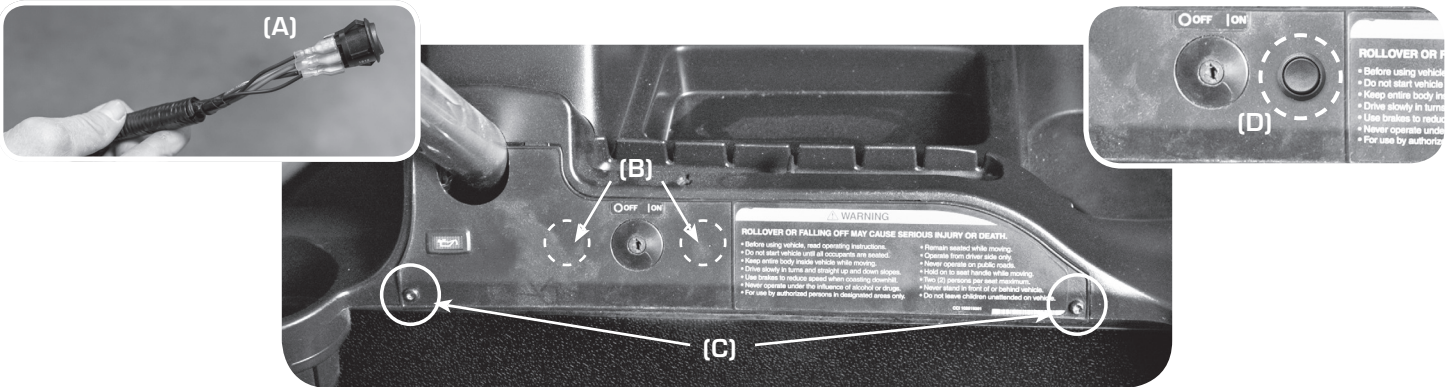
# SECTION 3

## DASH HARNESS INSTALLATION

### 3:1 IGNITION SWITCH PANEL & LIGHT SWITCH

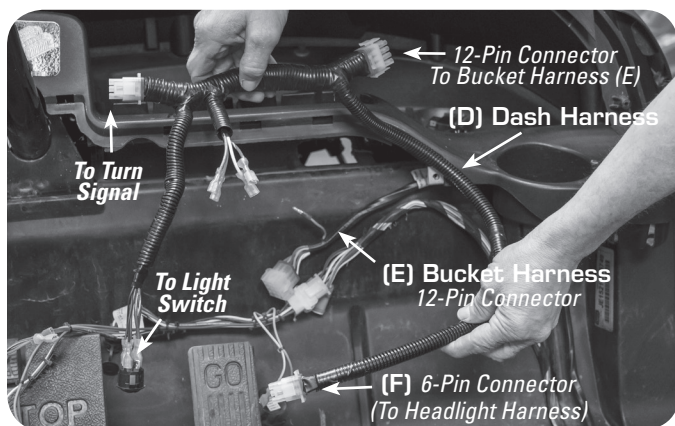
- Locate a spot approximately 1-1/2" on either side of Ignition Switch **(A)** for placement of Light Switch **(B)**.
- Remove the Ignition Switch Panel by removing the Torx Head Screws **(C)**. Disconnect all factory wiring and components on the rear of the Switch Panel.

- Drill a 3/8-inch hole in the Switch Panel to install the Light Switch. Notate how the Light Switch is wired and remove the wires. Push the Light Switch into the hole, on front of panel **(D)**, until the expanding fins lock it in place. Set the Panel aside, to be reinstalled after all Light System wiring is complete and tested.



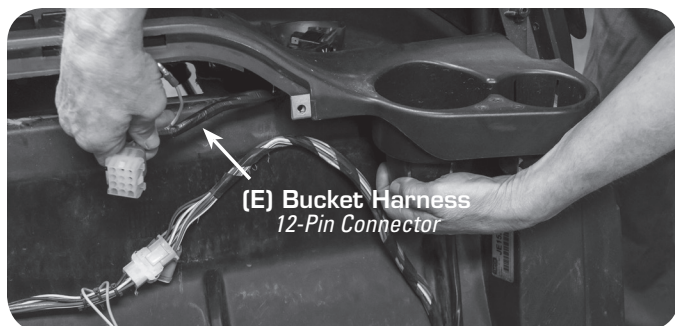
### 3:2 DASH HARNESS CONNECTIONS DIAGRAM

Reference diagram for Dash Harness **(D)** connections:



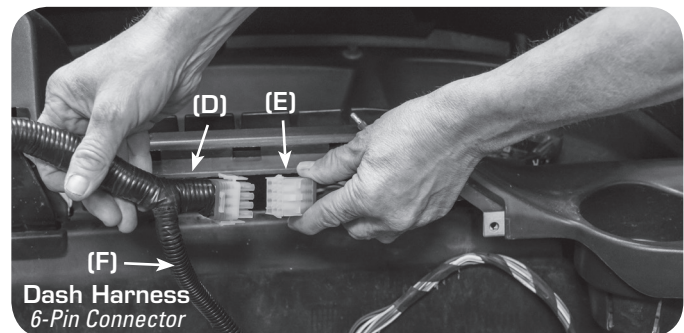
### 3:3 TUCK BUCKET HARNESS BEHIND DASH

- Tuck the Bucket Harness **(E)** behind Dash while leaving the 12-Pin Connector accessible.



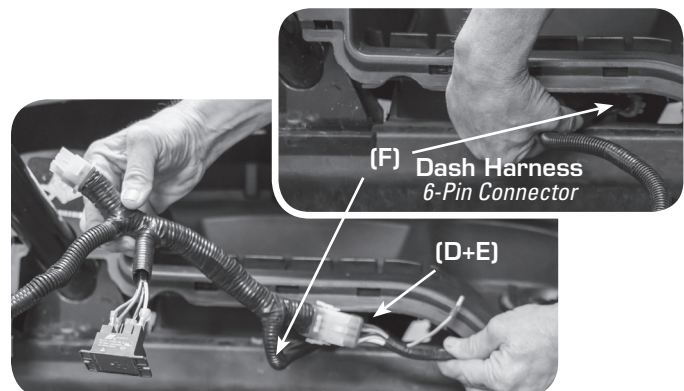
### 3:4 CONNECT DASH & BUCKET HARNESSES

- Plug the Dash Harness **(D)** 12-Pin Connector and Bucket Harness **(E)** 12-Pin Connector together.



### 3:5 FEED 6-PIN CONNECTOR THROUGH DASH

- Feed the longest length of Dash Harness with the 6-Pin Connector **(F)** through the Dash to the Front Cowl for Headlight Harness connection.

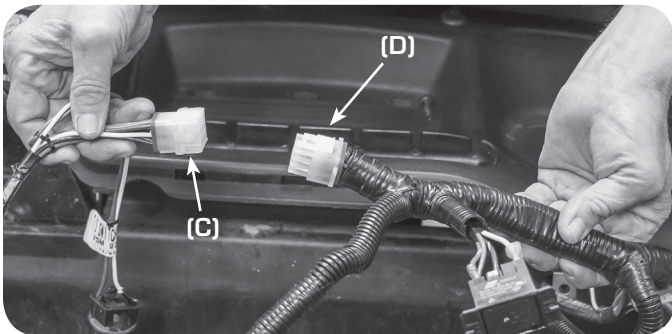


## TURN SIGNAL INSTALLATION

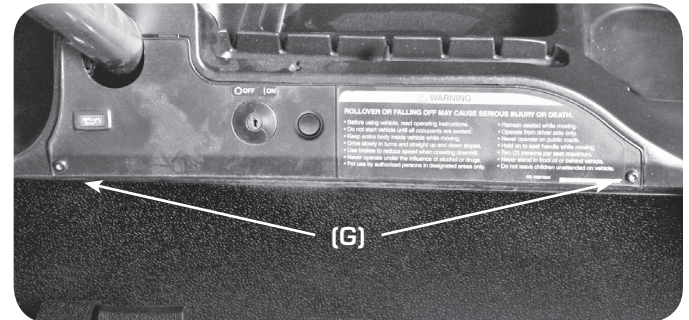
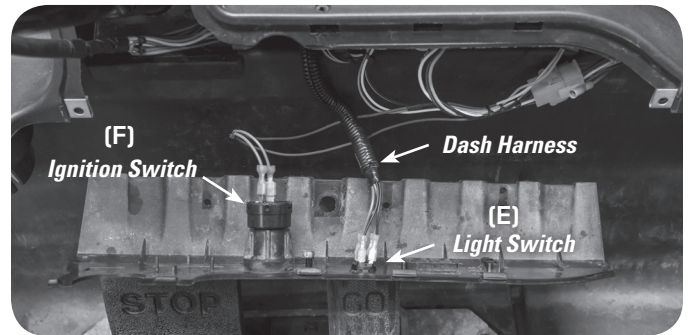
- To mount the Turn Signal to the Steering Column, fully unscrew Hose Clamp and feed through Turn Signal end bracket.
- Wrap the Clamp around the Steering Column and carefully slide Clamp and Turn Signal up until the Turn Signal almost touches the Steering Wheel **(A)**.
- Position Turn Signal as desired and fully tighten Clamp.
- Run the Turn Signal Wiring down the Steering Column and route 9-Pin Connector and Flasher behind the Ignition Panel.
- Snap the Steering Column Cover over Steering Column, making sure wiring is hidden in Channel on Steering Column Cover **(B)**.



- Connect the Turn Signal 9-Pin Connector **(C)** to the Dash Harness 9-Pin Connector **(D)**.



- Connect the Dash Harness Plug Connectors to the Light Switch **(E)** that was installed into Dash Cover Panel:
  - Two Black wires to the Middle Pins on each side
  - Two Green wires to the Top & Bottom Pins on the same side
  - Single Brown/Yellow wire to the Top or Bottom Pin on the opposite side of Green wires
- Reconnect the Ignition Switch **(F)** to the Factory wiring harness.
- Reinstall Dash Cover Panel **(G)**, making sure to conceal all wiring.



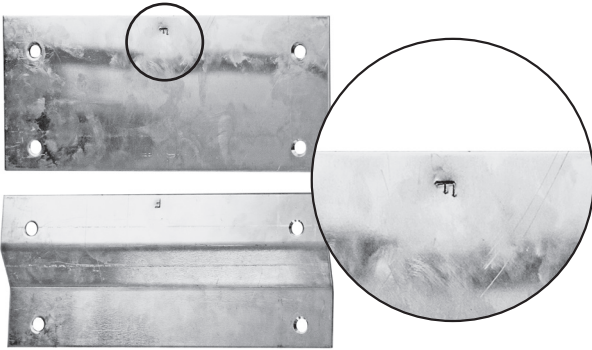


# SECTION 5

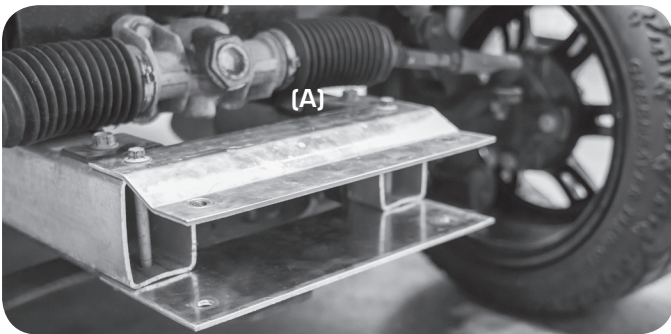
## BUMPER / LIGHTBAR INSTALLATION

### 5:1 MOUNT BRACKET PLATES TO CAR

- 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).



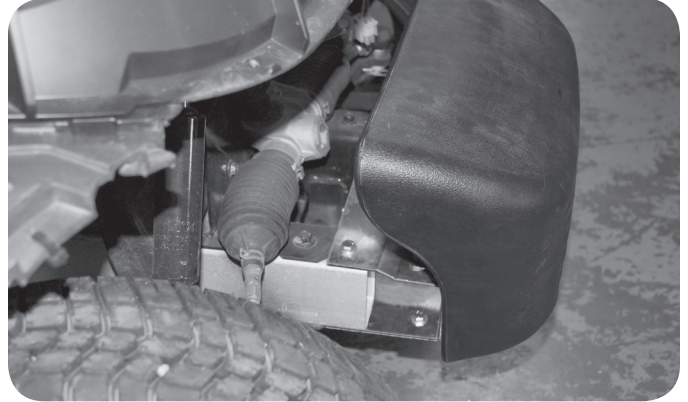
- For the Factory Bumper, reuse the Factory Hardware to attach the two Bracket Plates to the Car Frame, as pictured below (with stamped "F" facing towards Bumper). For the Lightbar, use the hardware provided with kit.
- The Flat Bracket mounts to the bottom of Frame and the Bent Bracket mounts to the top of Frame **(A)**.



### 5:2 MOUNT BUMPER / LIGHTBAR TO CAR

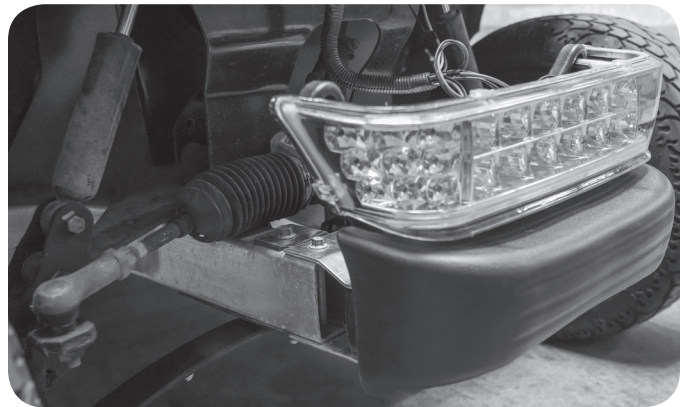
- Use the provided hardware to attach the Bumper or Light Bar to the Bracket Plates, as pictured below. Fully tighten all hardware.

#### FACTORY BUMPER



**Proceed to Section 6 - Headlight Harness-Bumper**

#### MAX LIGHTBAR - (SOLD SEPARATELY)



**Proceed to Section 7 - Headlight Harness-Lightbar**

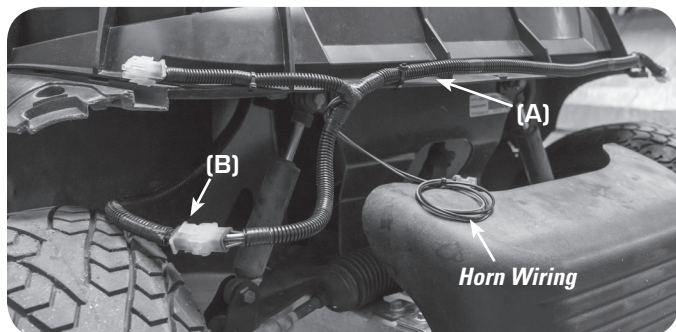
# SECTION 6

If you have a **Max Lightbar**,  
skip to Section 7

## \*\* HEADLIGHT HARNESS INSTALLATION—USING FACTORY BUMPER \*\*

### 6:1 INSTALL HEADLIGHT HARNESS

- Position the Headlight Harness **(A)** so the end with two-connectors is on the passenger side. Using zip-ties, attach the Headlight Harness to the Plastic Front Cowl Support Structure.
- Locate the Dash Harness **(B)** coming from the Dashboard and connect to the lowest hanging connector of Headlight Harness.

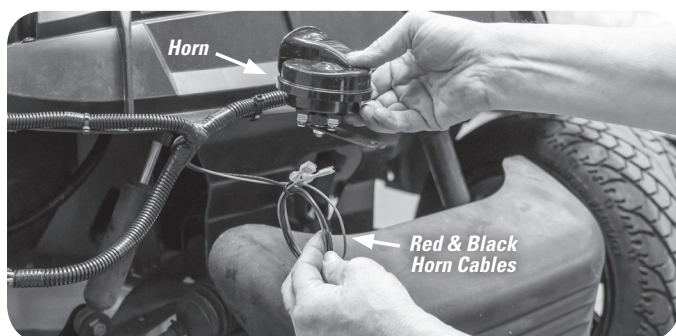


- The two remaining 6-Pin Connectors on the Headlight Harness connect to the Headlights. The Headlights will be connected and tested in Section 8.



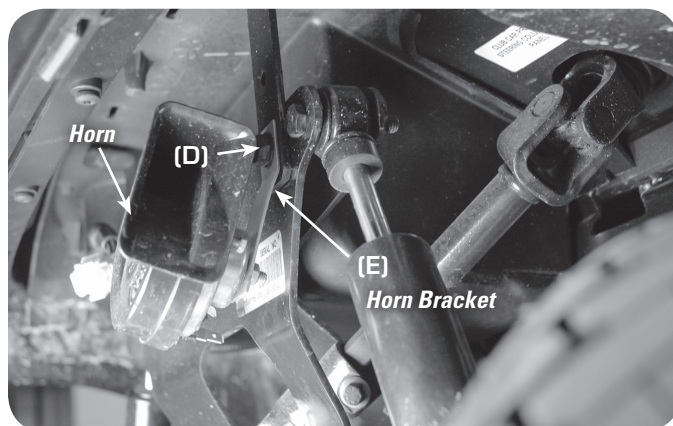
### 6:2 CONNECT THE HORN IN THE BUMPER INSTALLATION

- Use the long Red and Black wires **(C)** coming from the Headlight Harness for the Horn Connection, after installing Horn in Step 6:3.



### 6:3 INSTALL HORN AND CONNECT WIRING

- Locate the Bolt **(D)** 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 **(E)** with the Bolt that was just removed.
- Connect Horn Wiring from Headlight Harness. Secure wiring.



**Proceed to Section 8 - Connect and Test Lights**



# SECTION 7

If you have installed the **Factory Bumper**, skip to Section 8

## \*\* HEADLIGHT HARNESS INSTALLATION—USING MAX LIGHTBAR \*\*

### LED MAX LIGHTBAR (ADDITIONAL LIGHTING)

REPLACES FACTORY BUMPER - SOLD SEPARATELY



LED LIGHTBAR

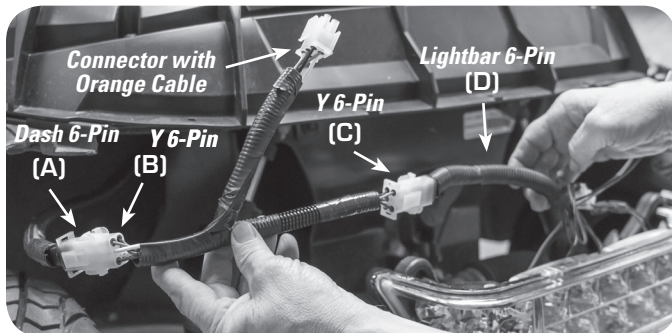


Y-HARNESS

### 7:1 CONNECT DASH HARNESS TO Y-HARNESS

- Locate the Dash Harness (A) from the Dashboard. Connect Dash Harness to the short single end of the Y-Harness (B) 6-Pin Connector.
- Connect the Y-Harness (C) 6-Pin Connector, that is in-line with the Dash Harness Connection, to the Lightbar Harness (D).

**DO NOT** connect the Lightbar to the Y-Harness connector with the Orange cable.



### 7:2 INSTALL HEADLIGHT HARNESS

- Position the Headlight Harness (E) so the end with two-connectors is on the passenger side. Using zip-ties, attach the Headlight Harness to the Plastic Front Cowl Support Structure.

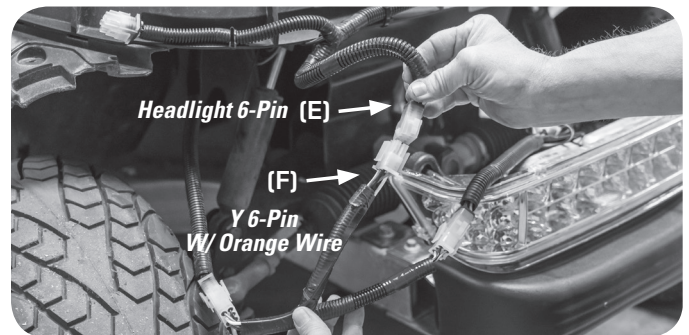


- The two 6-Pin Connectors on the Headlight Harness connect to the Headlights. The Headlights will be connected and tested in Section 8.



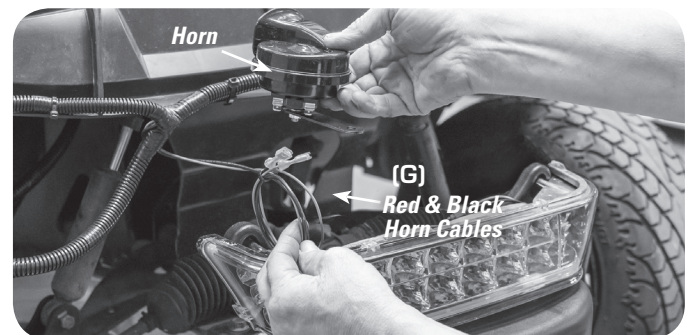
### 7:3 CONNECT HEADLIGHT HARNESS TO ORANGE CABLE SIDE OF Y-HARNESS

- Connect the Headlight Harness (E) to the Orange Cable side of the Y-Harness (F).



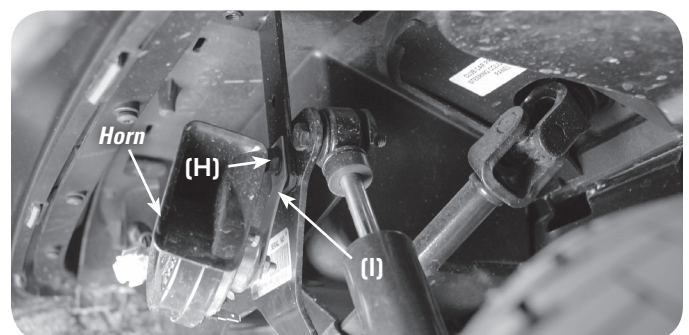
### 7:4 CONNECT THE HORN IN THE BUMPER INSTALLATION

- Use the long Red and Black wires (G) coming from the Headlight Harness for the Horn Connection, after installing Horn in Step 7:5. (The extra wires from Lightbar are not used and can be hidden).



### 7:5 INSTALL HORN AND CONNECT WIRING

- Locate the Bolt (H) 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 (I) with the Bolt that was just removed.
- Connect Horn Wiring from Headlight Harness. Secure wiring.



# SECTION 8

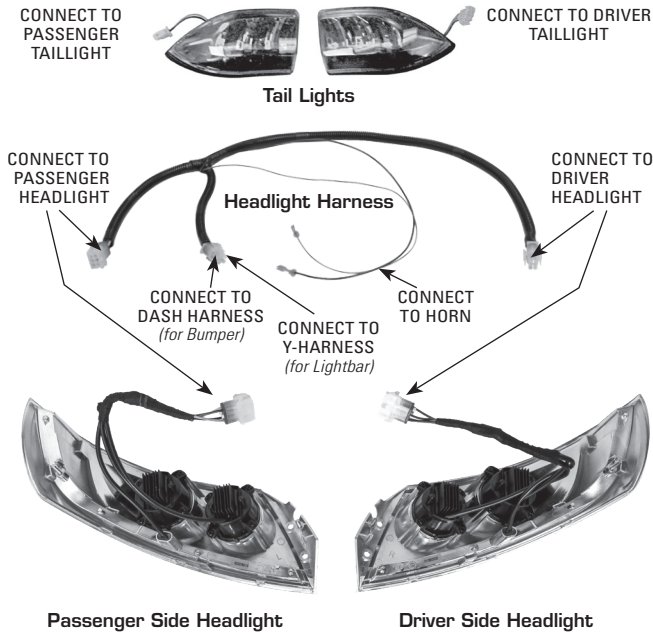
## CONNECT & TEST LIGHT KIT

### 8:1 TEMPORARILY CONNECT HEADLIGHTS AND TAILLIGHTS FOR TESTING

*\*The Wiring Diagram below is for illustration purposes only. Do not connect Lights before installing all Harnesses.*

- Temporarily connect the Headlights via the 6-Pin Connectors to the Light Harness (Sections 6:4 & 7:2) and Headlight Harness.
- Temporarily connect Taillights to the Bucket Harness.

**NOTE: The Turn Signal and Horn should be connected to test the entire system.**

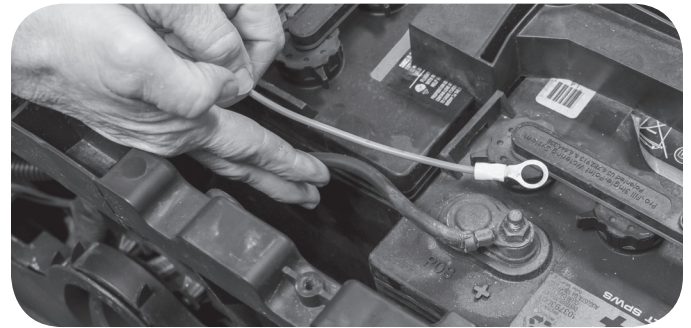


### 8:2 TEST SYSTEM COMPONENTS

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

- Headlights and Taillights power On and Off
- Daytime Running Lights power On and Off
- Left Turn Indicator works for Front and Rear
- Right Turn Indicator works for Front and Rear
- Brake Lights work when Brake is activated
- Horn works
- (If installed) Lightbar functions work with Light kit

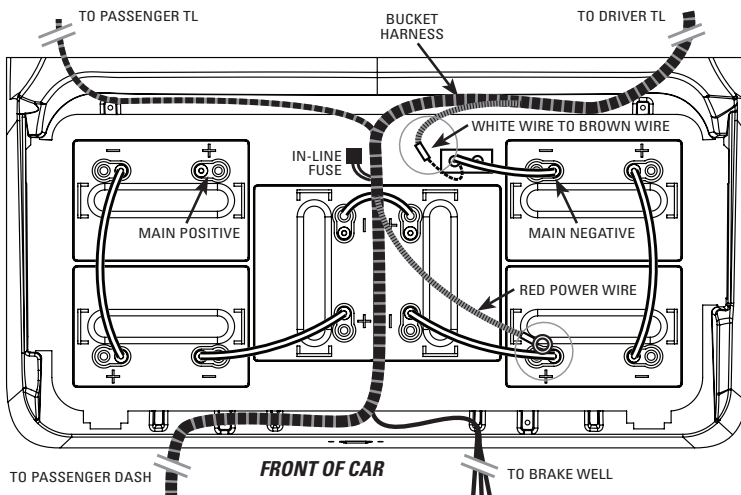
Once testing is complete, disconnect Power Leads from Battery and disconnect Headlights and Taillights from Wiring Harnesses to finish Body installation.



### 16V Power Supply

*Club Car Precedent - 48V (6 x 8V) Configuration*

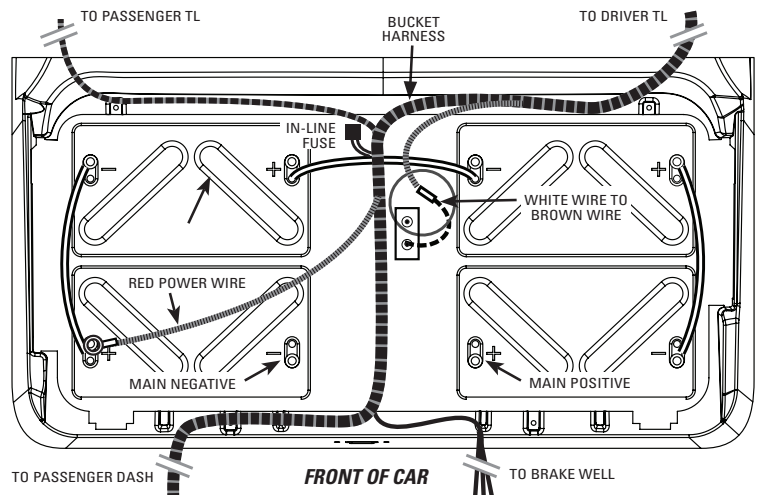
- Connect the Red cable on the Bucket Harness to the 1st battery on Driver Side for **16 volt power supply (Two 8v batteries in series)**



### 12V Power Supply

*Club Car Precedent - 48V (4 x 12V) Configuration*

- Connect the Red cable on the Bucket Harness to the 1st battery on Passenger Side for **12 volt power supply (Single 12v battery)**



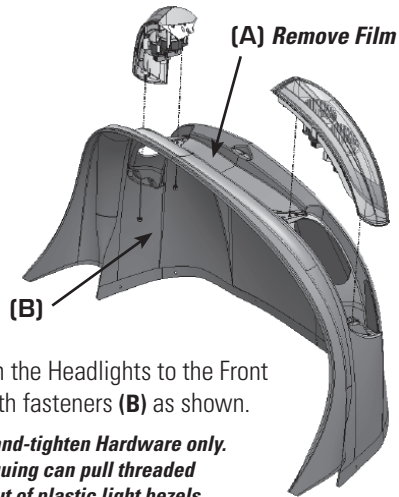


# SECTION 9

## MOUNT HEADLIGHTS, GRILLE, & FRONT BODY COWL

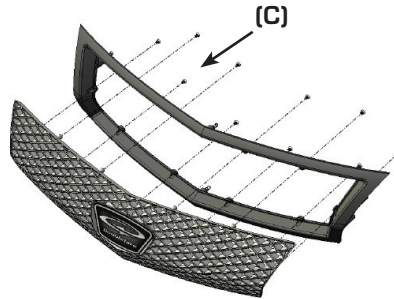
### 9:1 PHOENIX COWL ASSEMBLY

- Remove protective film from Cowl where Head Lights and Grille Assembly will be attached (A).



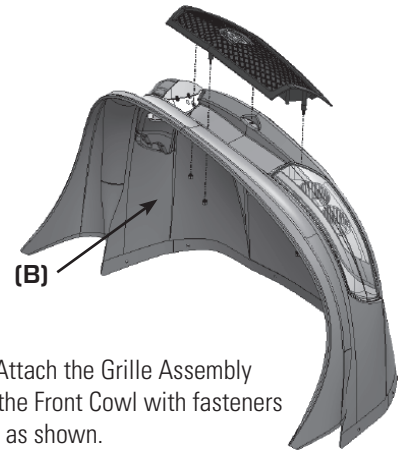
- Attach the Headlights to the Front Cowl with fasteners (B) as shown.

**NOTE: Hand-tighten Hardware only. Over-torquing can pull threaded inserts out of plastic light bezels.**



- Attach the Grille Insert to Grille Frame with fasteners (C) as shown.

**NOTE: Fully-tighten Hardware.**



- Attach the Grille Assembly to the Front Cowl with fasteners (B) as shown.

**NOTE: Hand-tighten Hardware only. Over-torquing can pull threaded inserts out of plastic light bezels.**

#### HARDWARE - SCALE 1:1

(B) x4



#10 Flat Washer - #10-24 Nyloc Nut

(C) x10

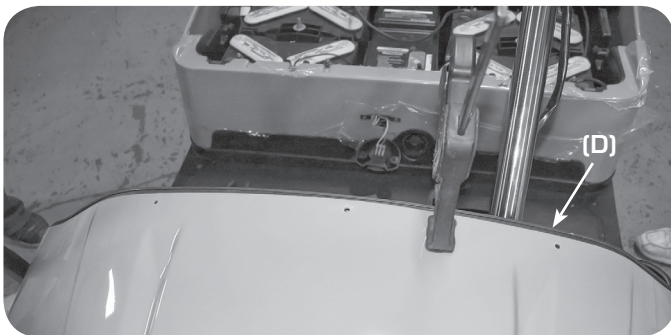


#10 Flat Sheet Metal Screw



### 9:2 POSITION FRONT COWL

- Peel back the protective film around the top edge of Front Cowl.
- Place Front Cowl into position over the Front Support Structure. Push the Front Cowl up flush with the "lip" of the Dash (D).
- Clamp the Cowl in position.



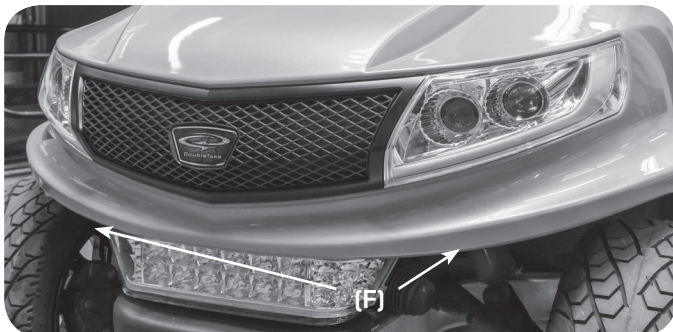
### 9:3 SECURE COWL WITH RIVETS

- Using the Center Hole as a guide, drill a 1/8" hole through the Front Cowl Support Structure and install a Rivet (E).
- Make sure Front Cowl is straight and level across the front. Move to the lowest hole, on each side of Cowl, and drill a 1/8" hole through the Support Structure and install Rivets.
- Drill and install Rivets in the remaining holes.
- Replace the Dashboard Cap using the factory hardware.



## 9:4 CONNECT HEADLIGHTS

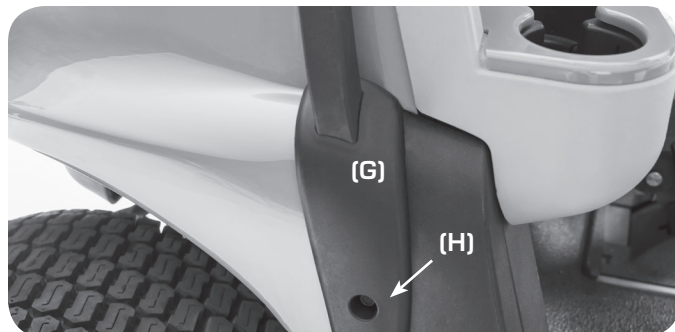
- Reach under the Front Cowl and connect each Headlight (F) to the 6-Pin Connectors on each end of the Head Light Harness installed previously.
- Make sure the protective film has been removed from the Front Cowl.



## 9:5 REPLACE FRONT FRAME CAPS

- Slide each replacement Front Frame Cap (G) down over the Front Cowl.
- Make sure the Front Cowl is positioned flush against the Golf Car Body Trim/Edging and reinstall the Factory Screws that hold the Front Frame Caps in position (H).

**NOTE:** The Cap fit will be tight.

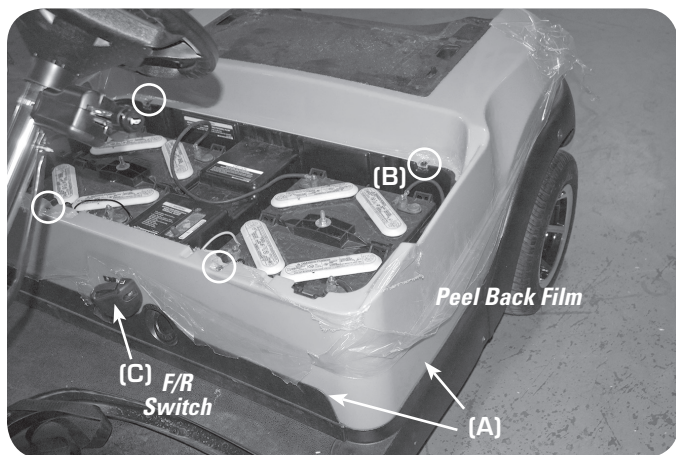


# SECTION 10

## REAR BODY & TAILLIGHT INSTALLATION

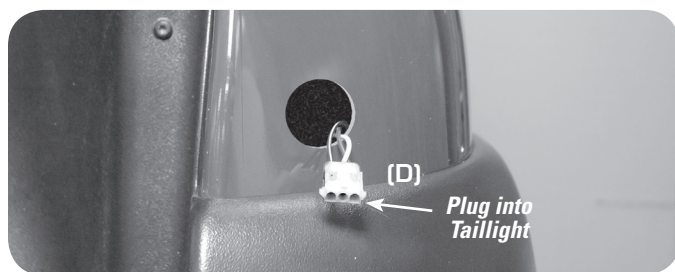
### 10:1 INSTALL REAR BODY

- 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 Forward/Reverse switch (C).



### 10:2 CONNECT TAILLIGHTS

- Locate the Taillight Connector (D) routed from Bucket Harness, pull it through the hole and connect to Taillight.
- Push all wiring and connectors back into the hole.
- Thoroughly clean the area of the Rear Body, where the tape on the Taillight will be adhered, with rubbing alcohol.



### 10:3 INSTALL TAILLIGHTS

- Remove backing from the double-sided tape on the back of the Taillight, and position the Taillight so that it rests on the Bumper and the wide edge aligns with the Bag Well (E).
- Secure with Taillight Ring (F) using the provided Hardware.

