

**BODY & LIGHT KIT FOR YAMAHA DRIVE2****TABLE OF CONTENTS:**

- Step 1** - Remove factory dashboard
- Step 2** - Remove factory front body
- Step 3** - Remove bagwell and factory rear body
- Step 4** - Test wiring harness before installation (Optional) then install wiring harness
- Step 5** - Install new rear body panels
- Step 6** - Add front bumper extension
- Step 7** - Install new front body
- Step 8** - Replace factory dashboard & replace plastic push rivets
- Step 9** - Replace rubber floor mat
- Step 10** - Attach turn signal and wire cover under steering wheel

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

**WARNING: DO NOT CONNECT THE LIGHT KIT WIRING HARNESS TO MORE THAN 16 VOLTS OR PERMANENT DAMAGE TO HARNESS AND LIGHTS WILL OCCUR.**

Prior to servicing, turn the key switch OFF, remove the key, and place the Forward / Reverse handle in Neutral position. Block all wheels when servicing the vehicle.

Make sure all wiring and wire harnesses are properly routed and secure before any initial testing is done. Position all electrical components in areas that are protected from moisture and/or salt air.

**ALL ELECTRIC VEHICLES:**

To avoid unintentionally starting the vehicle, disconnect the batteries.

**NOTE:** For models with a TOW/RUN switch, place the switch in the TOW POSITION before disconnecting or connecting the battery cables.

**ELECTRIC VEHICLES WITH SPEED CONTROLLERS:**

After disconnecting the batteries, discharge the controller capacitors as follows:

- Turn key to ON and place the forward/reverse handle in REVERSE.
- Slowly depress accelerator pedal and keep depressed until the reverse warning buzzer can no longer be heard. When buzzer stops sounding, the controller capacitors are discharged.

**REMOVE THE FACTORY DASHBOARD****STEP 1.1 REMOVE THE EMBLEM & SCREW**

- Pop up the Yamaha Emblem located on the top of the Dashboard using a 3 hex head bit in front of the cupholders and remove the screw.



# REMOVE THE FACTORY DASHBOARD

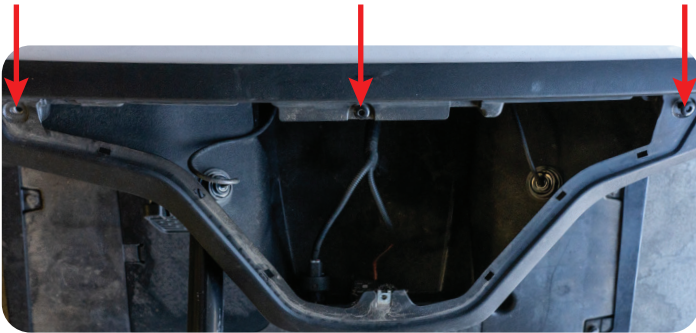
## STEP 1.2 REMOVE CUPHOLDER CAPS

- Lift and remove the cupholder caps. Be careful not to break the plastic clips in the process



## STEP 1.3 REMOVE THE PUSH RIVETS

- Remove all the push rivets across the top of the dash



## STEP 1.4 REMOVE RUBBER MAT

- Remove the rubber mat out of the way and the push rivets along the bottom of the dash



## STEP 1.5 REMOVE THE DASH AND WIRING

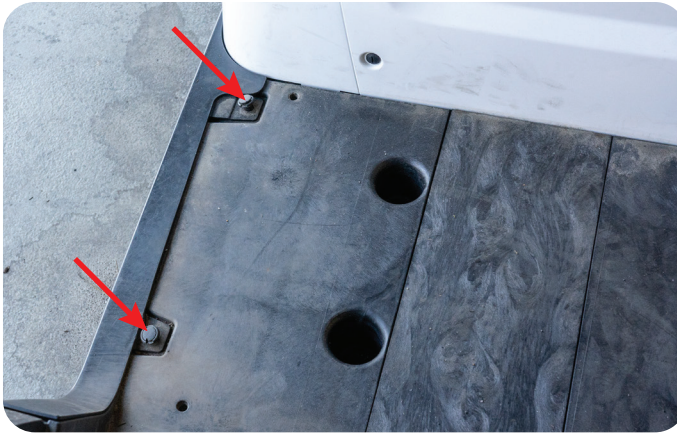
- Lift the dash off the frame and unplug any wires underneath. Hang the dash from the steering wheel to keep it out of the way.



# REMOVE THE FACTORY FRONT BODY

## STEP 2.1 REMOVE THE RIVETS

- Remove plastic push rivets along the edges of the running boards.



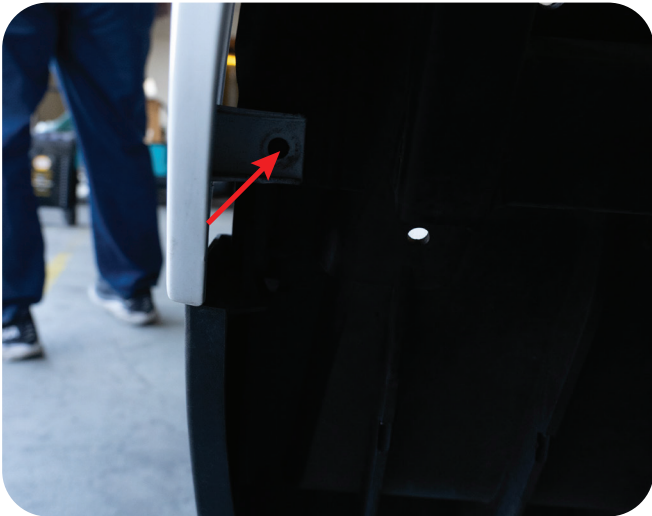
## STEP 2.2 REMOVE GROMMETS

- Slide rubber grommets up around front frames



## STEP 2.3 REMOVE THE FRONT BODY

- Remove the screw holding the front nose of the body to the support bracket and lift it off the frame



## REMOVE THE REAR BAG WELL

### STEP 3.1 REMOVE THE BAGWELL SCREWS

- Remove 2 factory screws in the bottom of bag well



### STEP 3.2 REMOVE THE ACCESS PANEL

- Take bag well out by tilting it up and pulling backwards



## REMOVE THE FACTORY REAR BODY

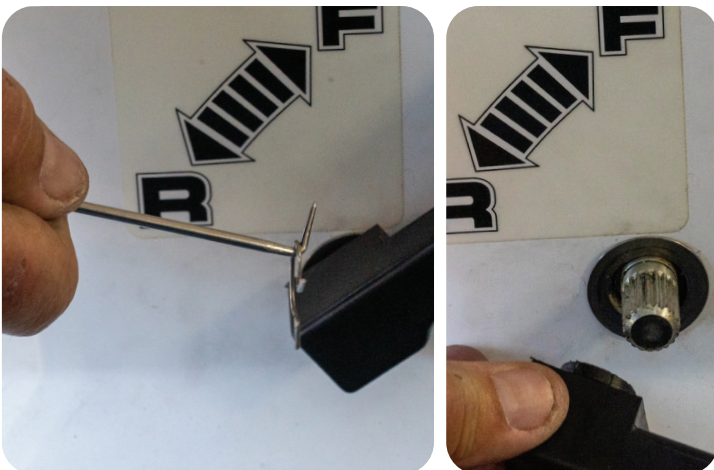
### STEP 3.3 REMOVE THE FRONT SEAT

- Remove front seat cushion and set aside.



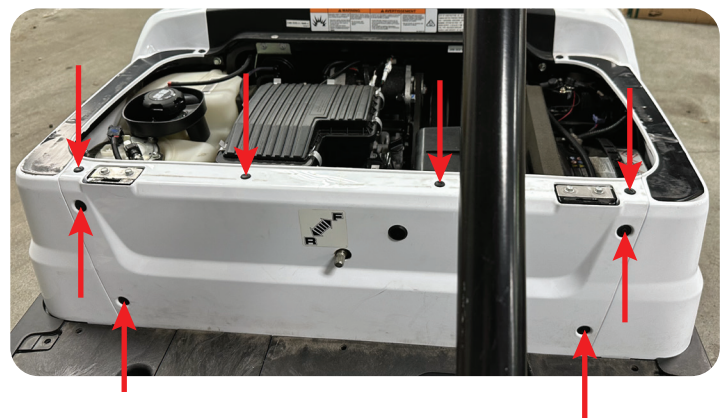
### STEP 3.4 REMOVE THE HANDLE OR PLUG

- Remove the electric charge plug or forward/reverse handle from the front panel of the rear body



### STEP 3.5 REMOVE THE FRONT BODY PANEL

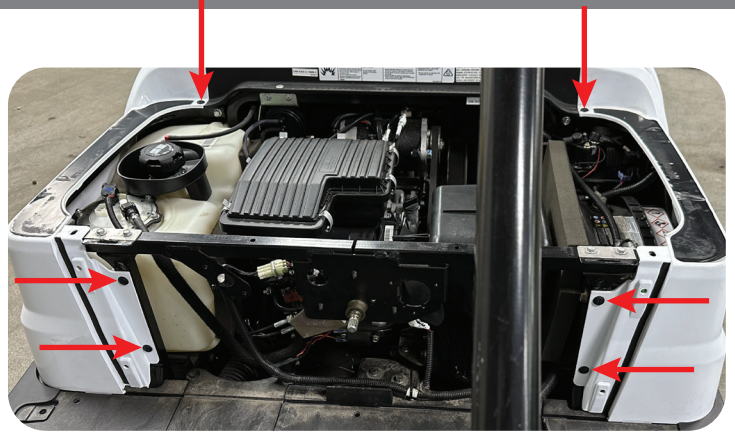
- Remove 4 plastic push rivets on the front panel of the rear body and 4 across the top and remove front panel



## REMOVE THE FACTORY REAR BODY

### STEP 3.6 REMOVE THE SIDE BODY PANELS

- Remove 2 plastic push rivets on the front of each side panel and 1 on top of each side panel and remove each.



## TEST WIRING HARNESS BEFORE INSTALLATION ( OPTIONAL )

## INSTALL WIRING HARNESS

### STEP 4.1 PREPARE HARNESS

- Prepare the bucket harness for routing.



### STEP 4.2 RUN THE HARNESS

- Run the front of the harness down and under battery well or around engine compartment



# INSTALL WIRING HARNESS (CONTINUED)

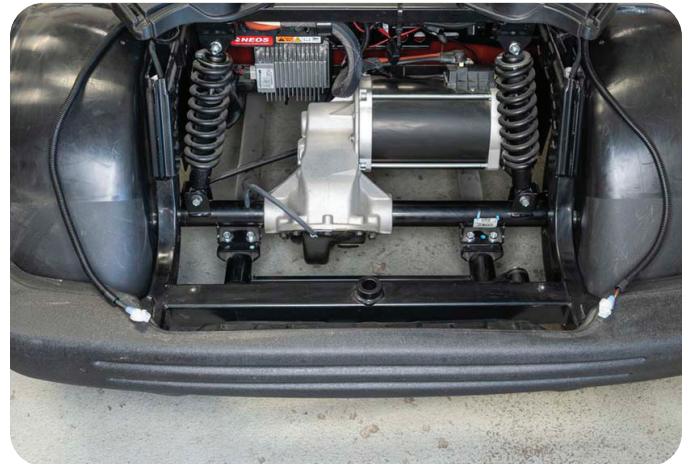
## STEP 4.3 RUN THE HARNESS

- Run the front of the harness down and under battery well or around engine compartment



## STEP 4.4 RUN THE TAIL LIGHT EXTENSIONS

- Run each taillight extension under the frame and to the rear of the car



## STEP 4.5 RUN THE HARNESS TO BRAKE WELL

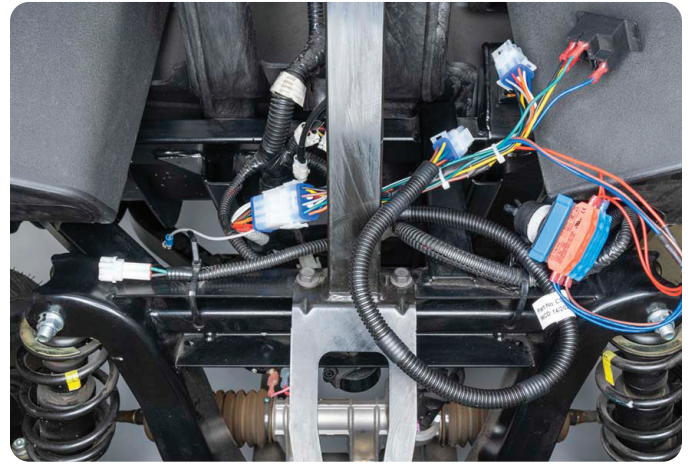
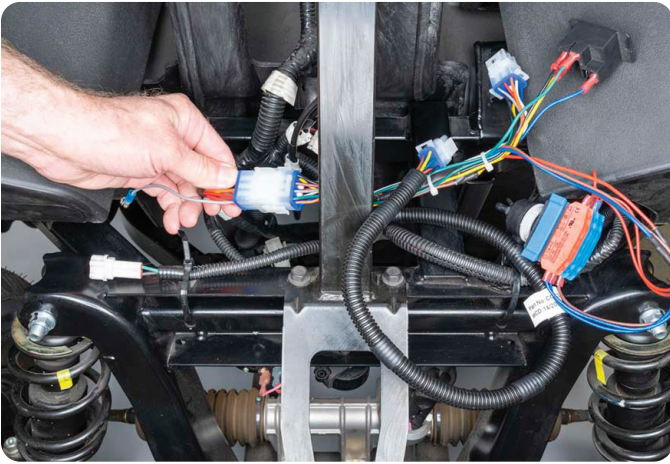
- Run the front of the bucket harness into the brake well from under the car and into front access hole for standard electric harness hookup



# INSTALL WIRING HARNESS (CONTINUED)

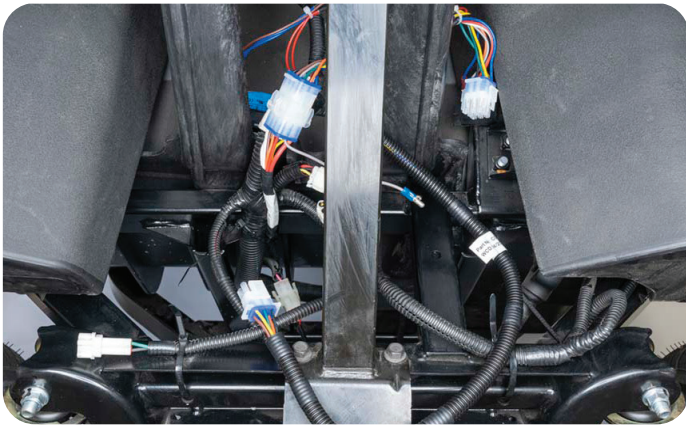
## STEP 4.6 CONNECT HARNESSES

- Connect the standard electric harness to the bucket harness as shown



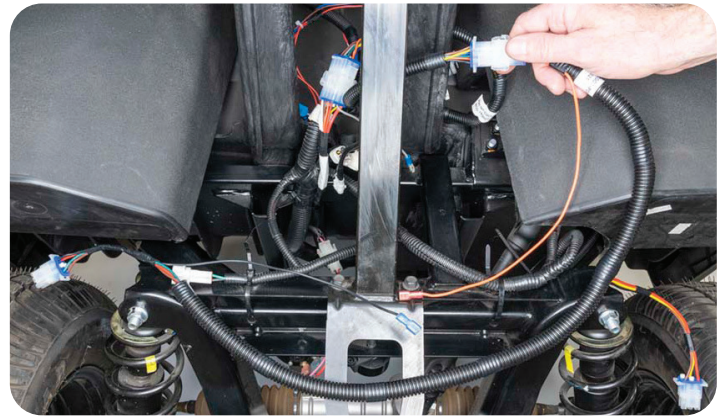
## STEP 4.7 CONNECT 6-PIN CONNECTOR

- Run the dash portion of the standard electric into the dash area leaving the 6-pin connector out for the hybrid harness



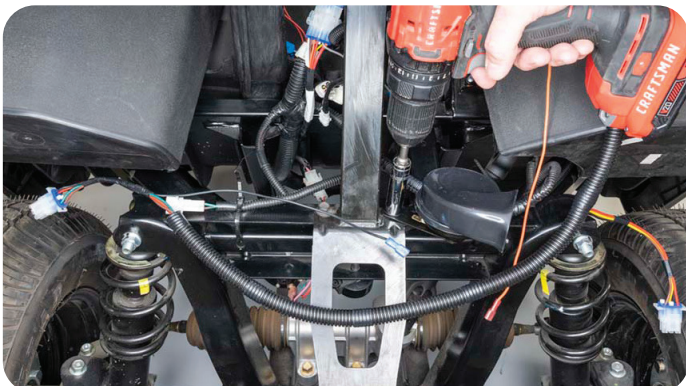
## STEP 4.8 CONNECT HYBRID HARNESS

- Connect the hybrid harness to the standard electric as shown



## STEP 4.9 MOUNT HORN

- Mount horn in position shown



## STEP 4.10 CONNECT HORN HARNESS

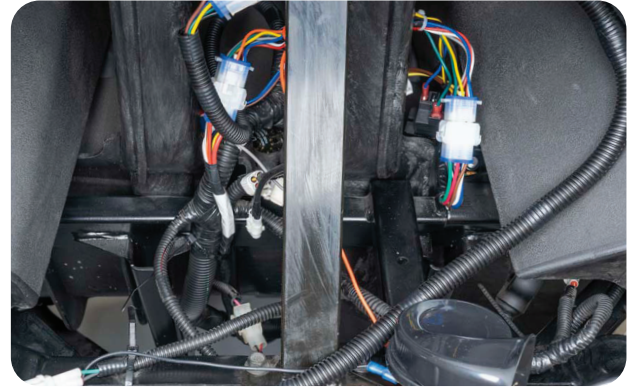
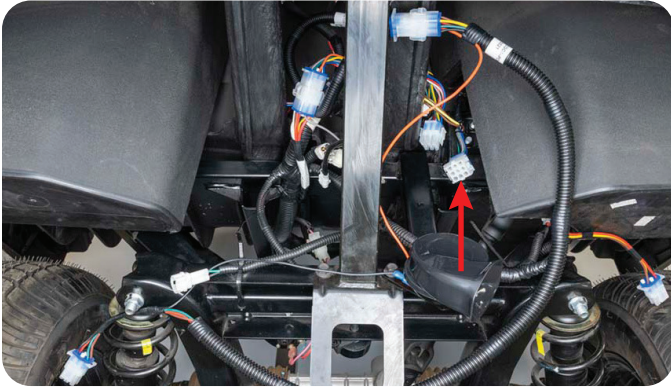
- Wire tie the end of hybrid harness up and connect horn wires



# INSTALL WIRING HARNESS (CONTINUED)

## STEP 4.11 CONNECT TURN SIGNAL

- Run end of turn signal up through dash and connect to 9-pin connector on the standard electric harness



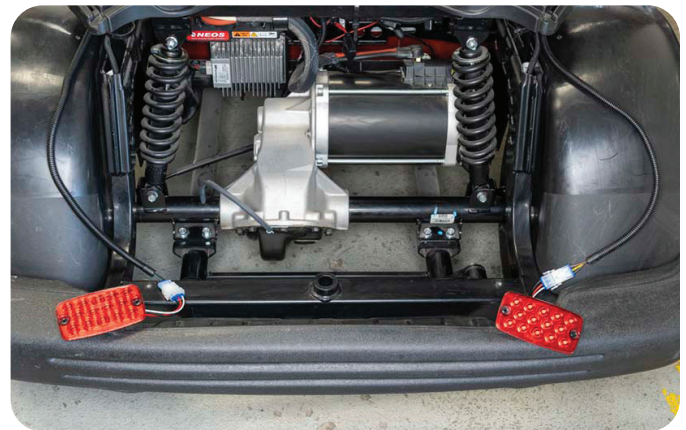
## STEP 4.12 CONNECT HEADLIGHTS FOR TEST

- Ensure that the longest side of the Headlight Harness is to the driver-side and shorter side of the Headlight Harness is to the passenger-side



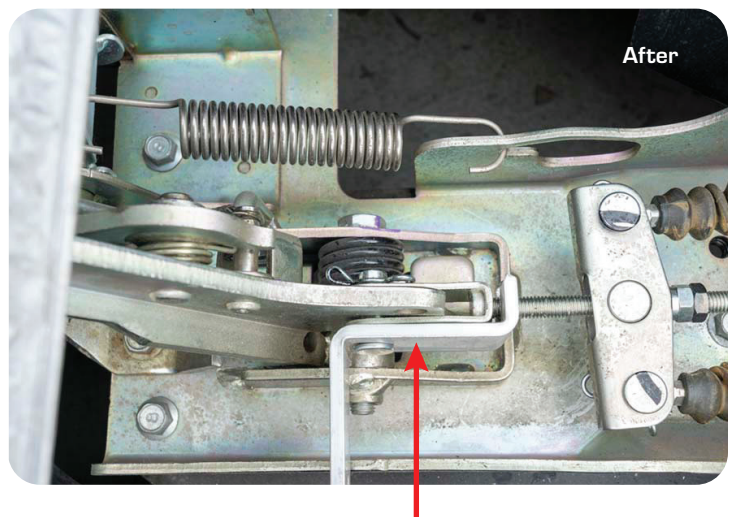
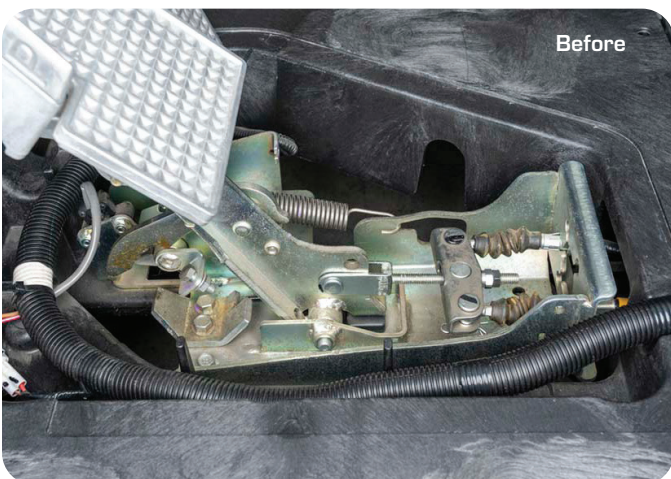
## STEP 4.13 CONNECT TAIL LIGHTS FOR TEST

- Connect taillights for testing



## STEP 4.14 MOUNT BRAKE LIGHT BRACKET

- Mount brake light bracket as shown with existing hardware

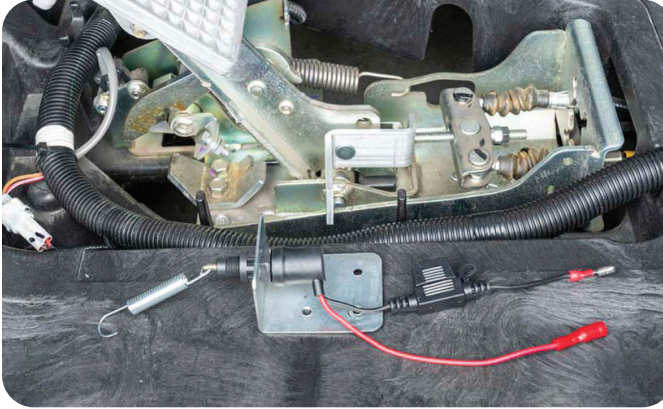




# INSTALL WIRING HARNESS (CONTINUED)

## STEP 4.15 PREPARE BRAKE LIGHT

- Prepare brake light switch



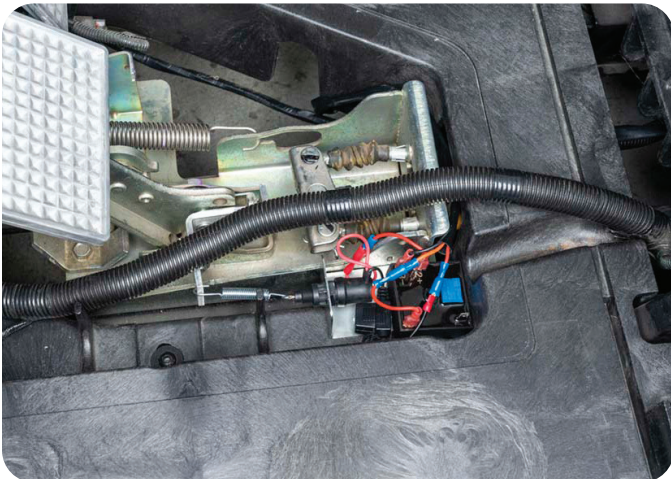
## STEP 4.16 ATTACH SPRING

- Attach brake light spring to brake light bracket and position as shown keeping light tension on spring and screw down brake light switch with provided hardware



## STEP 4.17 REMOVE THE WIRE UP DELAY TIMER

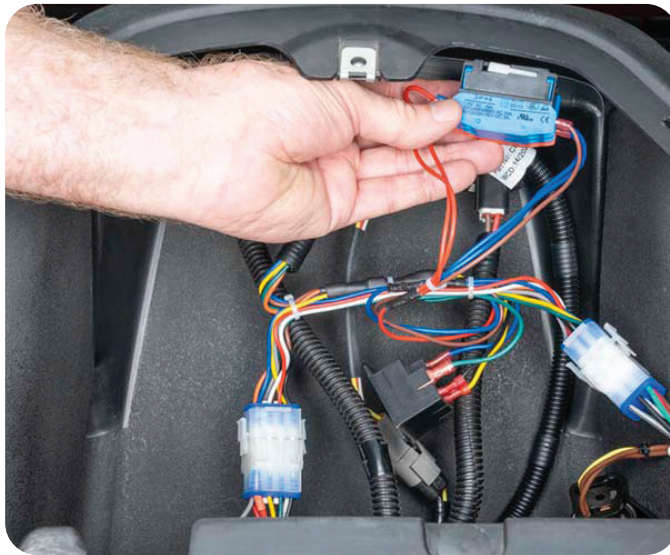
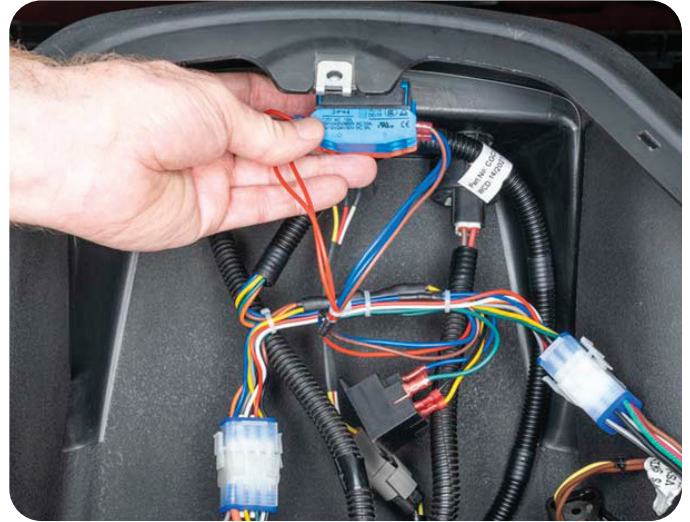
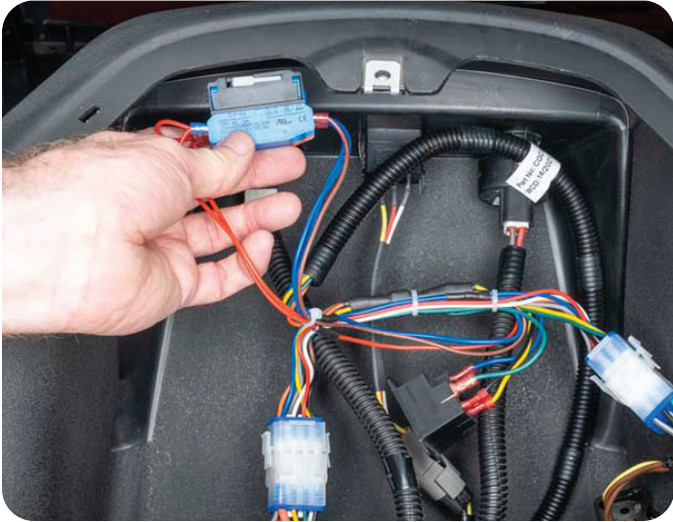
- Pull the delay timer portion of the bucket harness over the brake assembly and layout delay timer relay and pigtails as shown and connecting as shown



## INSTALL WIRING HARNESS (CONTINUED)

### STEP 4.18 MOUNTING LOCATIONS FOR SWITCH

- Move the factory dash back into position to mount light switch and chose location for switch mounting



### STEP 4.19 DRILL HOLE FOR SWITCH

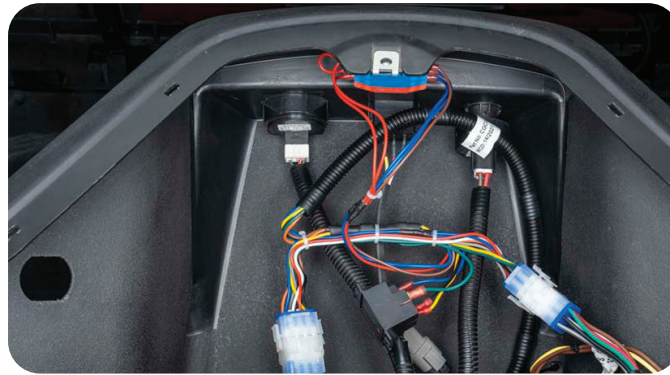
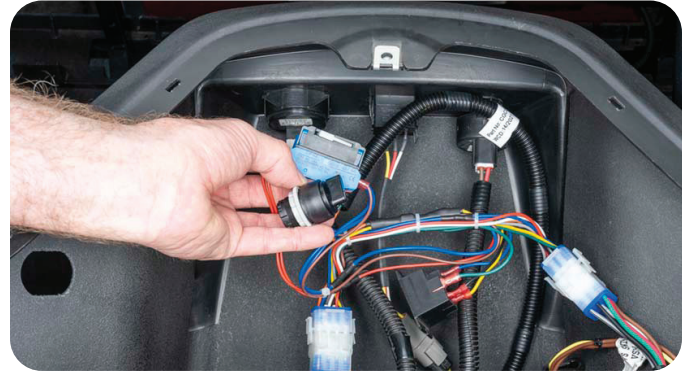
- Drill a 7/8" hole for light switch in the factory dash



# INSTALL WIRING HARNESS (CONTINUED)

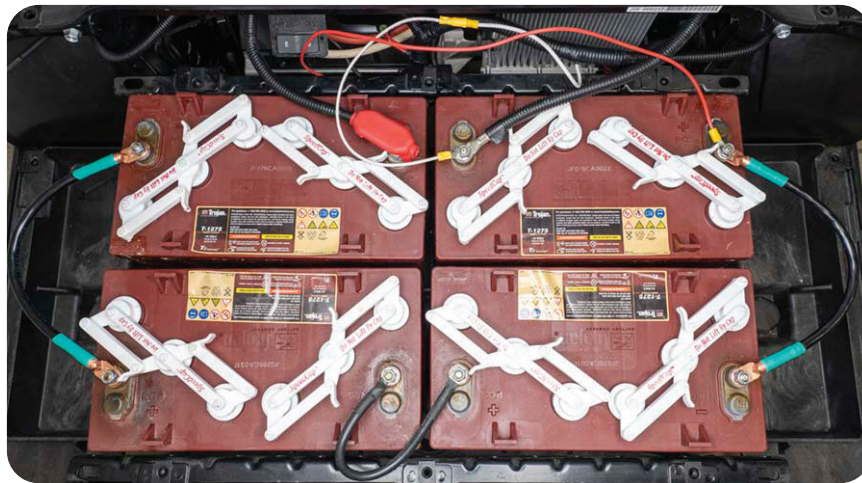
## STEP 4.20 MOUNT SWITCH

- Mount switch



## STEP 4.21 ATTACH POWER LEADS TO BATTERY

- Attach the positive and negative power leads to the batteries as shown. \*Note: Minimum 12 volts and Maximum 16 volts.\*



## STEP 4.22 TEST ALL ELECTRICAL FUNCTIONS

- At this time, test the headlights, taillights, brake lights and turn signal functions

# INSTALL PHOENIX-D2 REAR BODY

## STEP 5.1 REMOVE FILM

- Remove protective film from each rear side panel

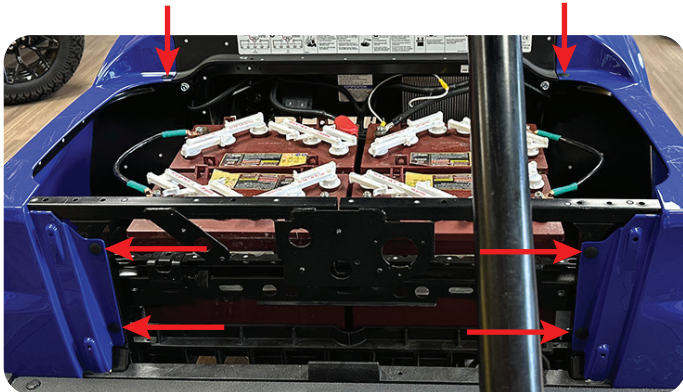
## STEP 5.2 ATTACH TAIL LIGHTS AND SIDE BODY PANELS

- Disconnect the taillights and feed them through the holes in the back of each panel. Then position the new body panels where the old ones were removed.



## STEP 5.3 REPLACE PUSH RIVETS

- Replace the factory plastic push rivets or use the ones provided if the old ones were destroyed



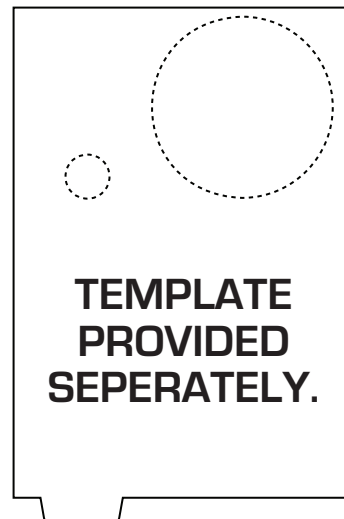
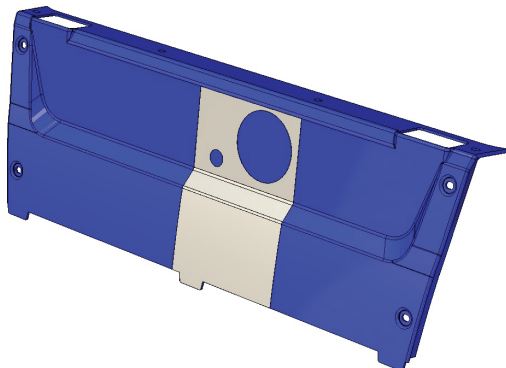
## STEP 5.4 ATTACH TAIL LIGHTS

- Center each taillight in the rear body depression and screw into place with hardware provided



## STEP 5.5 CUT HOLE FOR HANDLE OR CHARGE PLUG

- Cut the appropriate hole in the center rear panel with the provided template before removing the protective film. (Use masking tape around hole to help control burs.) Once the appropriate hole is cut and deburred, attach it in place with push rivets and reassemble the electric charge plug or forward/reverse handle.



## ADD FRONT BUMPER EXTENSION

### STEP 6.1 REMOVE FACTORY BUMPER

- Remove front factory bumper from frame

### STEP 6.2 ATTACH HARDWARE

- Add supplied extension brackets with factory hardware



### STEP 6.3 ATTACH BUMPER

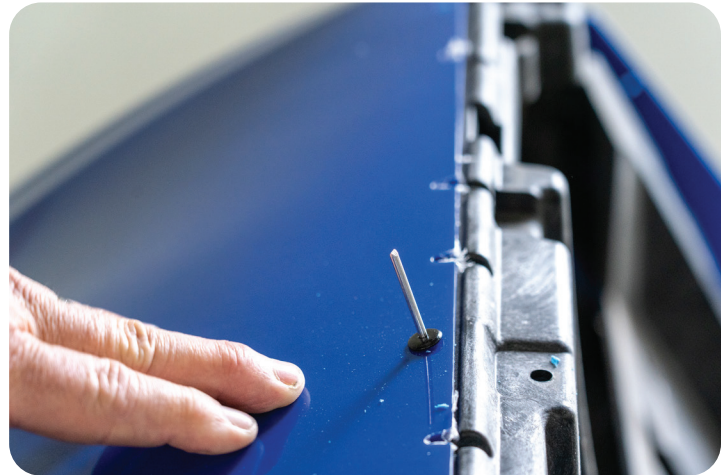
- Re-attach bumper to frame with supplied hardware



## INSTALL PHOENIX-D2 FRONT BODY

### STEP 7.1 DISCONNECT HEADLIGHTS AND PLACE NEW BODY

- Disconnect headlights from harness and place new body in place of the front frame as shown. Drill rivet holes into the body frame with a 3/16" drill bit.
- Helpful tip, drill center hole first and temporarily place a rivet in the hole to keep the body in place while the other holes are drilled.

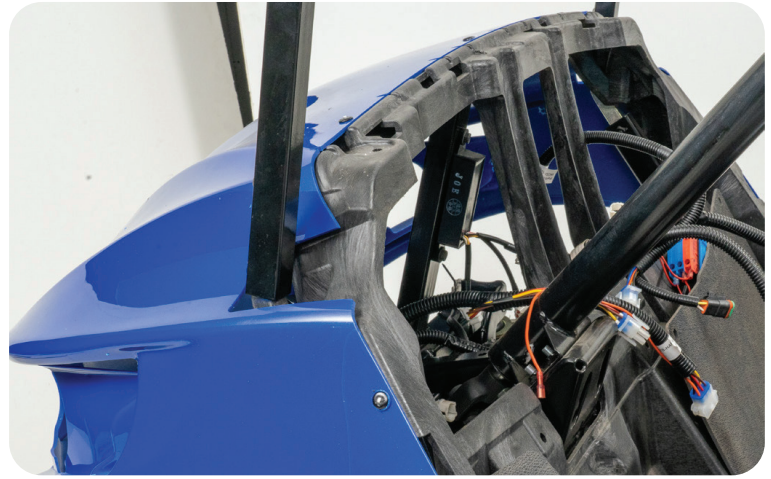
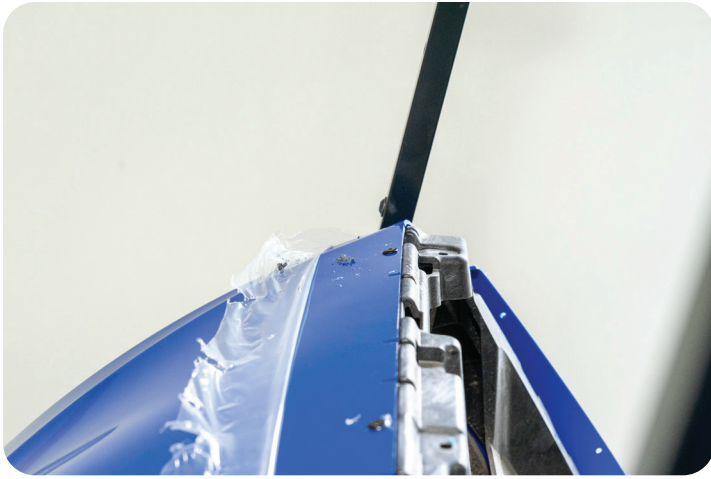


CAT-48: Yamaha Drive 2 Body Set- 13

# INSTALL PHOENIX-D2 FRONT BODY (CONTINUED)

## STEP 7.2 REMOVE FILM

- Remove the protective film from the body and attach it to the frame with aluminum rivets provided



## STEP 7.3 PLACE HEADLIGHTS

- Place headlights into place and use washers and nuts provided to hold them into place. Do not fully tighten



Back of Headlight



## STEP 7.4 INSERT GRILL ON FRAME

- Install grill insert into grill frame with flat head screws provided



## STEP 7.5 INSTALL GRILL

- Install grill assembly in between the headlights in the front body and use washers and nuts provided to hold it into place



## STEP 7.6 TIGHTEN GRILL

- Tighten the nuts holding the grill and headlights in this order. First, the 2 outside grill nuts. Second, the 2 center grill nuts. Third, the 2 nuts for each headlight



# INSTALL PHOENIX-D2 FRONT BODY (CONTINUED)

## STEP 7.7 CONNECT HEADLIGHTS

- Reconnect headlights

## REPLACE THE FACTORY DASHBOARD AND REPLACE PLASTIC PUSH RIVETS

## STEP 8 REFER TO STEP 1

REFER TO STEP 1 AND COMPLETE IN REVERSE SEQUENCE

## REPLACE THE RUBBER MAT

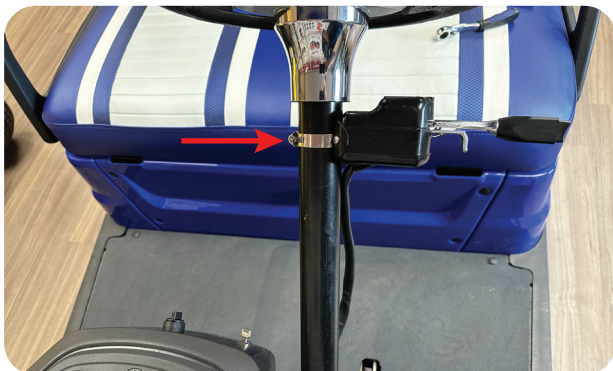
## STEP 9 REFER TO STEP 1

REFER TO STEP 1 AND COMPLETE IN REVERSE SEQUENCE

## ATTACH TURN SIGNAL AND WIRE COVER UNDER STEERING WHEEL

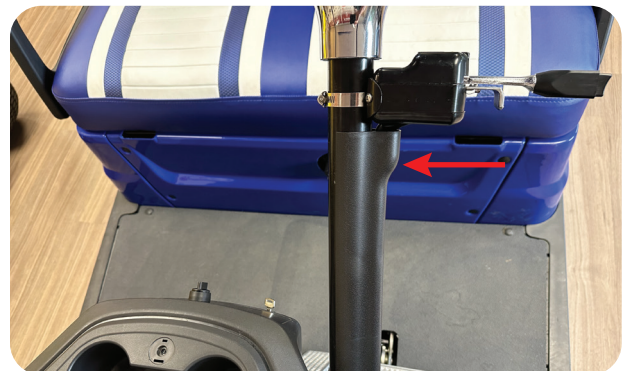
### STEP 10.1 ATTACH TURN SIGNAL

- Attach turn signal to steering column with the provided steel hose clamp.



### STEP 10.2 ATTACH WIRE COVER

- Hold the wires along side of steering column and push the plastic wire cover over both.



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## PHOENIX SERIES

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