

6000 PRO HD WINCH KIT



P/N 2884839

BEFORE YOU BEGIN

Read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

APPLICATION

Verify accessory fitment at www.polaris.com.

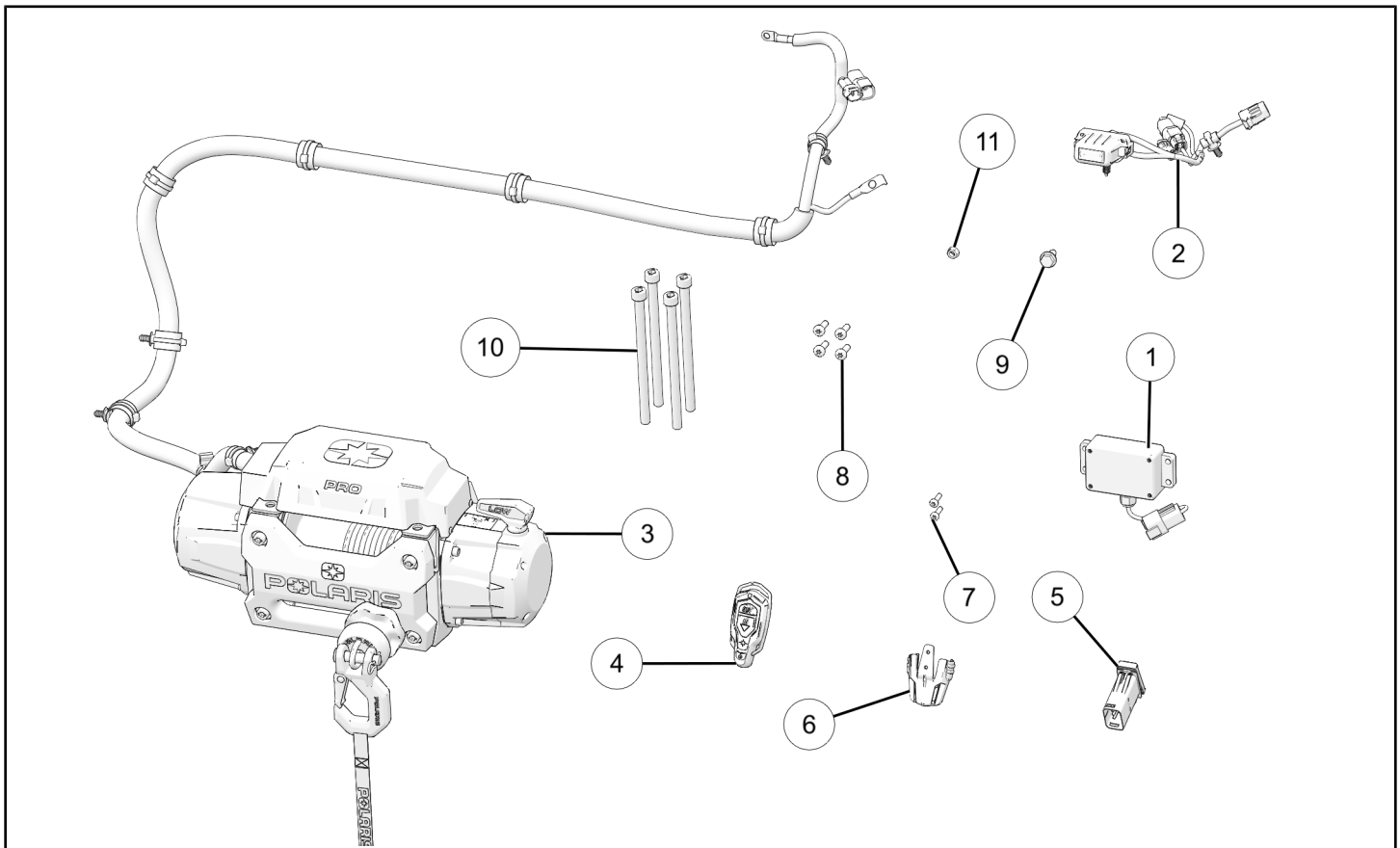
REQUIRED SOLD SEPARATELY

- *HD Front Bumper Kit*, P/N 2884494-XXX

NOTICE

In order to install the 6000 Pro HD Winch Kit, the top plate of the HD Front Bumper must be removed.

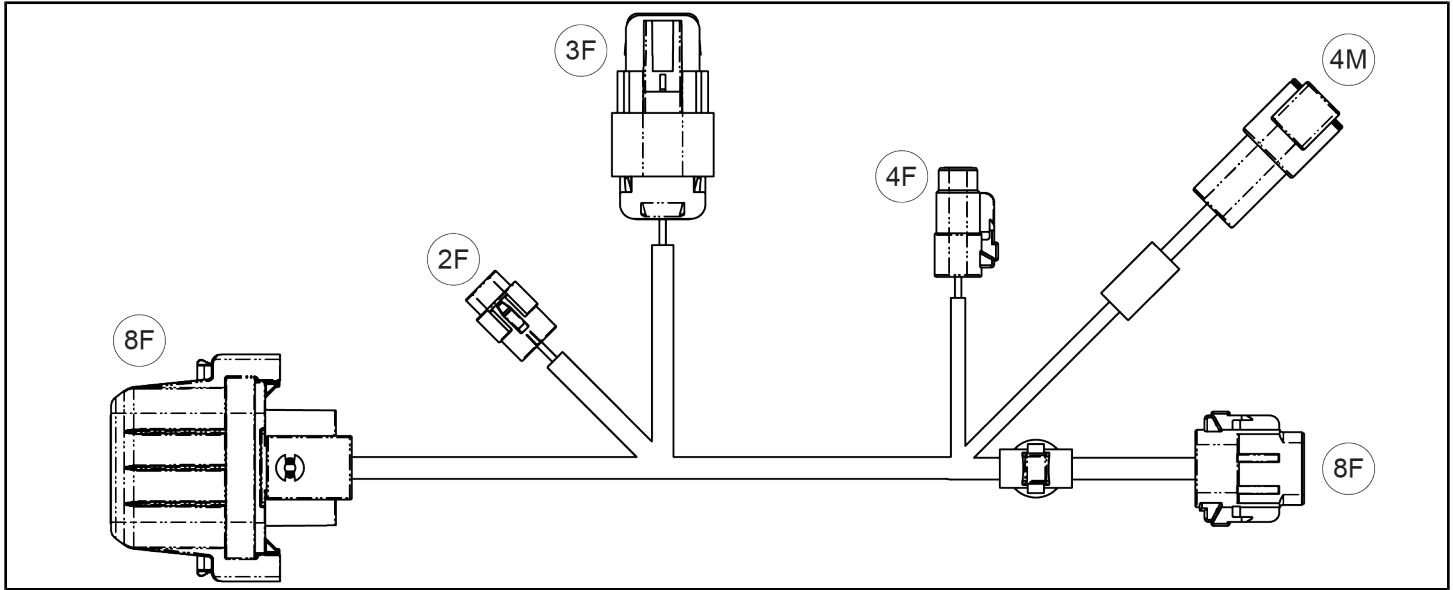
KIT CONTENTS



REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY	AVAILABLE SERVICE KIT
1	1	Receiver, Auto Stop	n/a	n/a
2	1	Harness Control, Winch	2416944	n/a
3	1	Assembly, Winch, 6000 Pro DS	2638136	n/a
4	1	Remote, Winch	4080061	n/a
5	1	Switch, Winch	4080801-13	n/a
6	1	Holder, Remote	5454269	n/a
7	2	Screw, Hi/Lo 10 x 3/4	7512026	2211738
8	4	Screw, Torx® Pan Head #14 x 0.75 in, Hi/Lo	7519731	2211738
9	1	Screw, Hex-Flanged, M8 x 1.25 x 20 mm, Tap	7520764	n/a
10	4	Screw, Socket Head, M10 x 1.5 x 160 mm	7528028	2211738
11	1	Nut, Hex-Flanged, M6, Serrated	7547270	2211738

HARNESS DETAIL

WINCH CONTROL HARNESS



REF	PART DESCRIPTION	CONNECTS TO
8F	Fuse Block	n/a
2F	Autostop connector	Autostop
3F	Ride Command Connector	RC Harness
4F	Contactora Connector	Contactora
4M	Chassis Harness Connector	Chassis Harness
8F	Winch Controller Connector	Winch Control

Example: 16F = 16 pin, Female / 16M = 16 pin, Male (Male terminal fits inside female terminal)

TOOLS REQUIRED

- Safety Glasses
- Drill
- Drill Bit:
 - 1/4 in (6 mm)
 - 7/64 in (2.7 mm)
- Pliers, Push Pin Rivet
- Socket Set, Hex Bit, Metric
- Socket Set, Metric
- Socket Set, Torx® Bit
- Torque Wrench
- Wrench Set, Metric

IMPORTANT

Your 6000 Pro HD Winch Kit is exclusively designed for your vehicle. Please read the installation instructions thoroughly before beginning. Installation is easier if the vehicle is clean and free of debris. For your safety, and to ensure a satisfactory installation, perform all installation steps correctly in the sequence shown.

INSTALLATION INSTRUCTIONS

VEHICLE PREPARATION

GENERAL

1. Park vehicle on a flat surface.
2. Shift vehicle into PARK.
3. Turn key to OFF position and remove key.

BATTERY DISCONNECTION

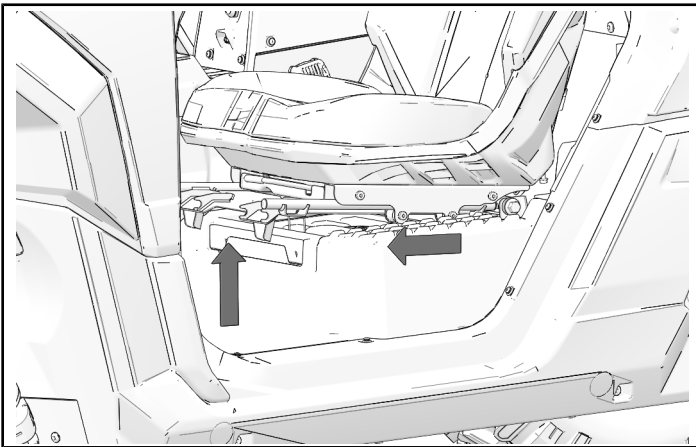
NOTICE

Doors hidden for clarity.

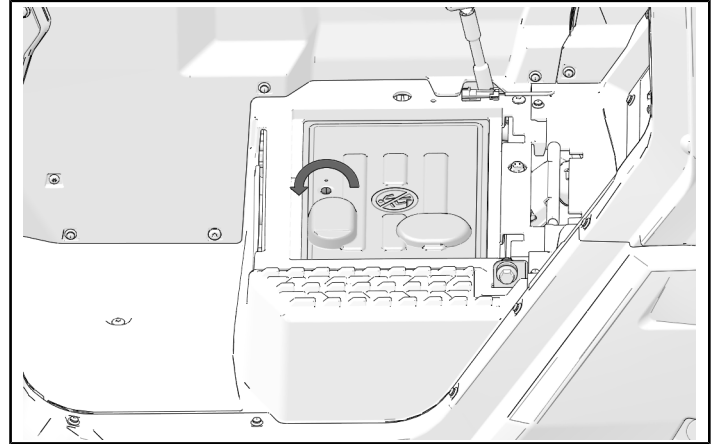
1. Remove and keep two screws from front of driver seat base.



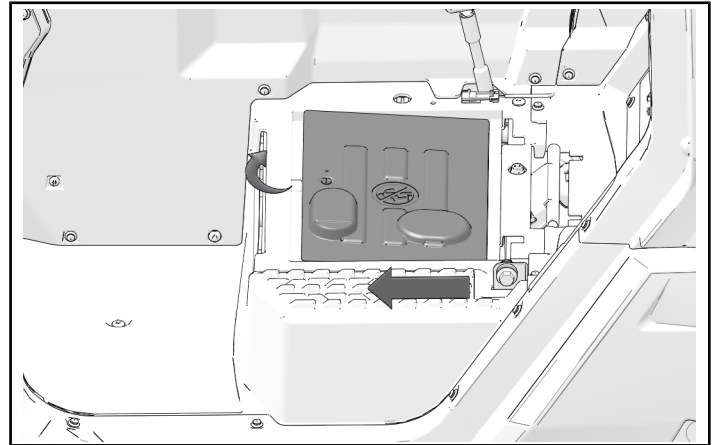
2. Lift front of seat and pull forward to remove seat.



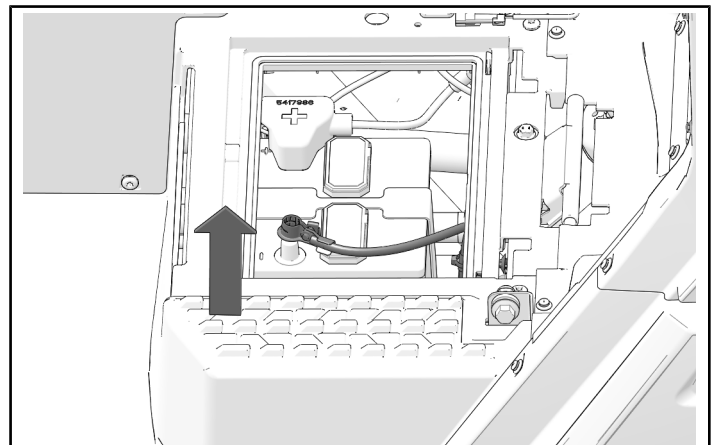
3. Turn screw to open cover.



4. Lift cover and slide forward to remove.

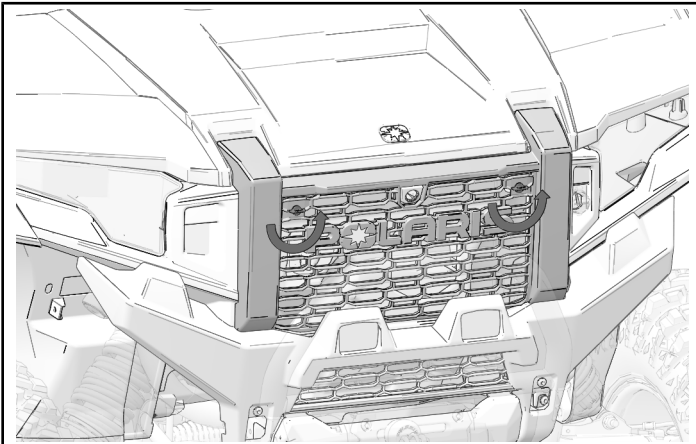


5. Disconnect negative (-) cable from battery.

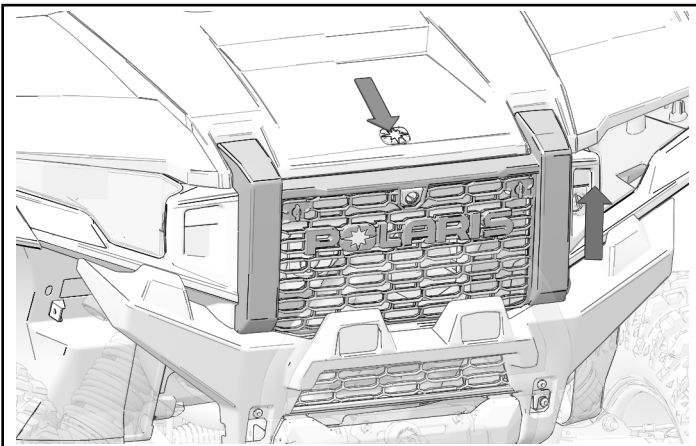


GRILL AND HOOD REMOVAL

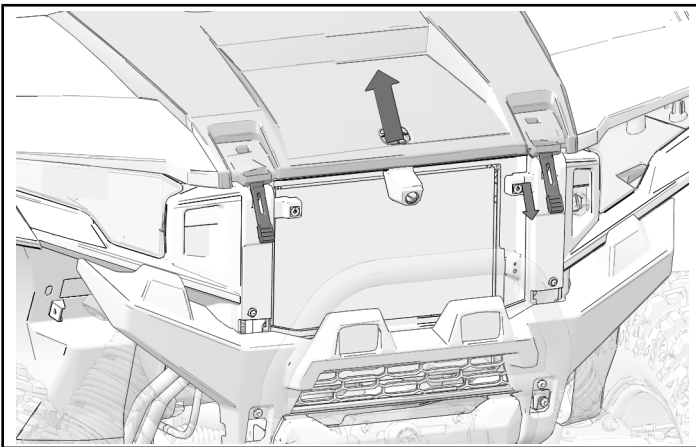
1. Turn each stud one-quarter of a turn to release the grill.



2. Pull the top of the grill forward and then lift up to remove the grill.

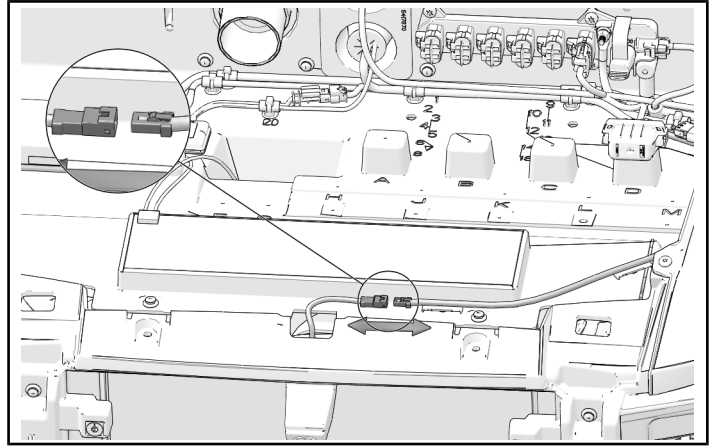


3. Unhook the rubber straps for the hood. Lift the hood to remove.

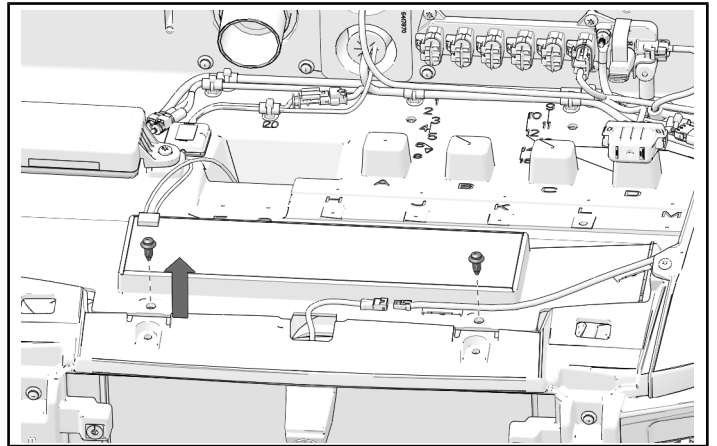


FRONT UNDERHOOD PANEL ACCESS DOOR

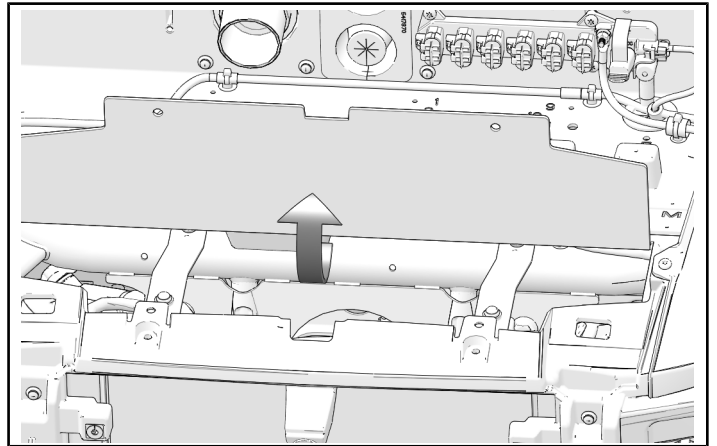
1. If vehicle is equipped with front camera, disconnect the front camera harness.



2. Remove two push-pin rivets from the front of the underhood liner.



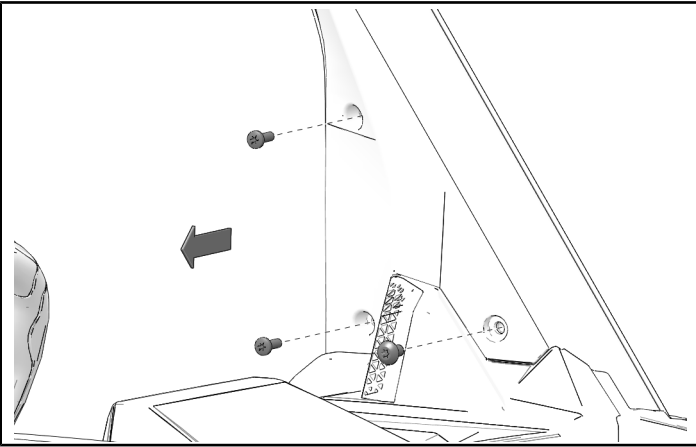
3. Lift the front panel of the underhood liner to access the areas beneath.



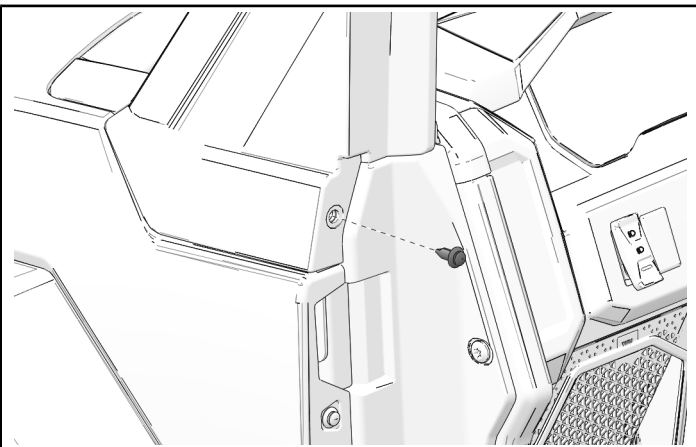
LEFT SAIL PANEL REMOVAL

1. Open left front door.

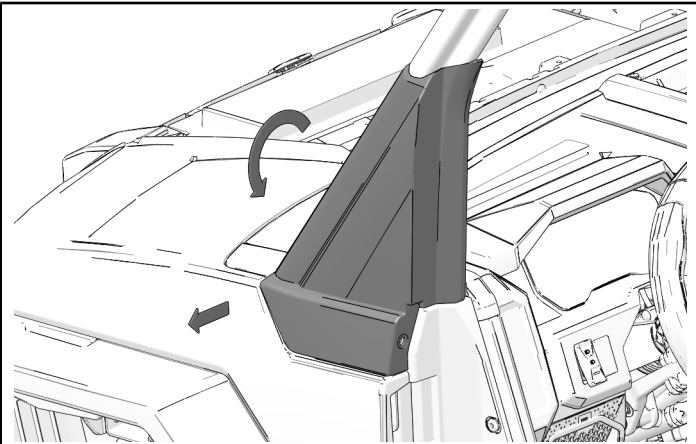
2. Remove three screws from the inner side of the sail panel.



3. Remove push pin rivet from outer sail panel.

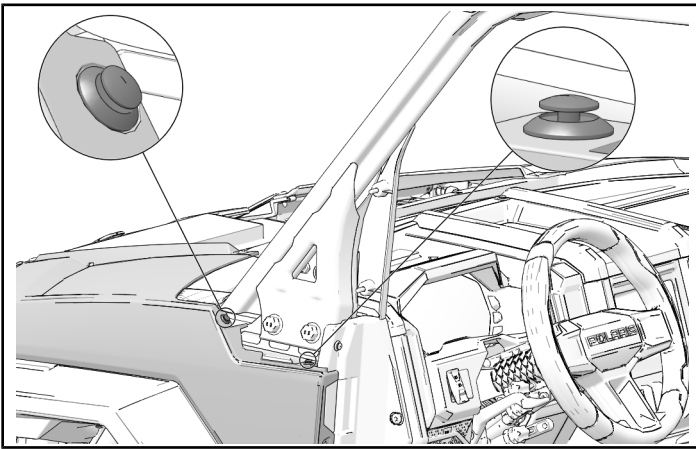
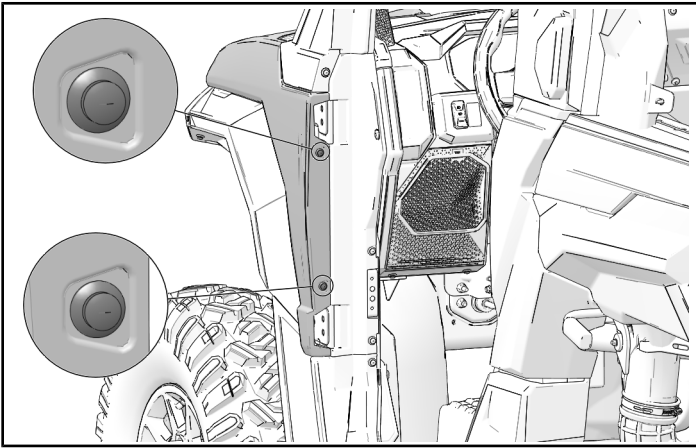


4. Remove outer sail panel by turning and pulling outward.

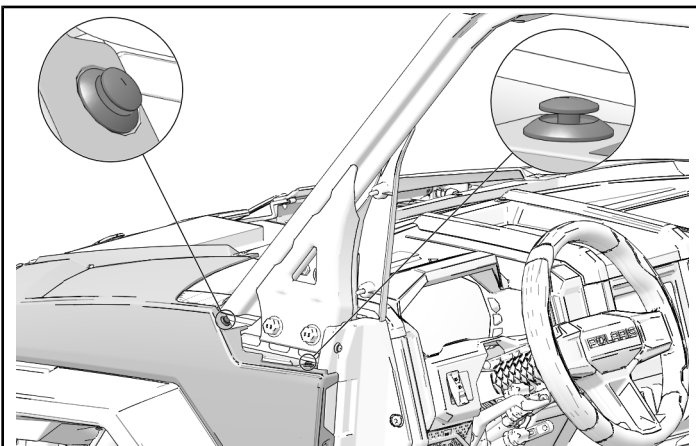


LEFT FRONT FENDER REMOVAL

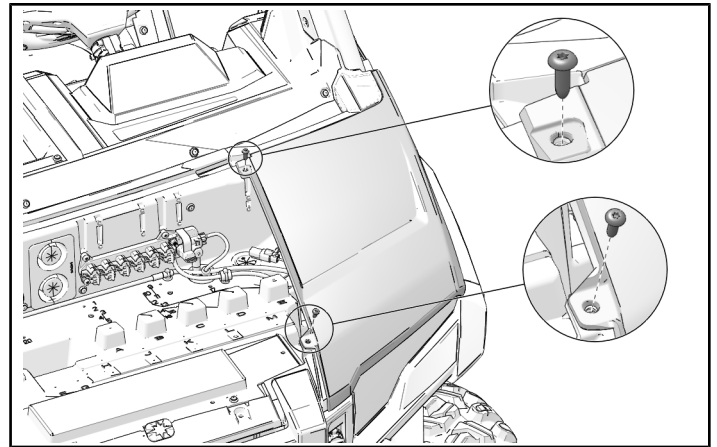
1. Open left front door.
2. Remove and keep two push pin rivets from rear edge of front fender.



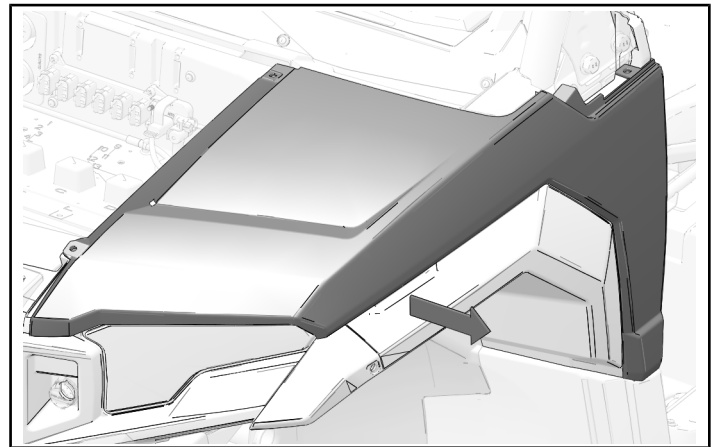
3. Remove and keep two push pin rivets from top of front fender.



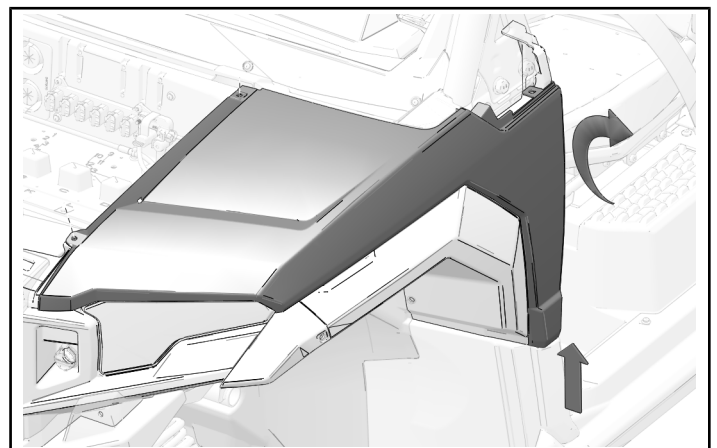
4. Remove and keep two screws from front fender.



5. Pull fender outward to disengage upper tabs.



6. Turn fender and lift to disengage lower tab and remove fender.



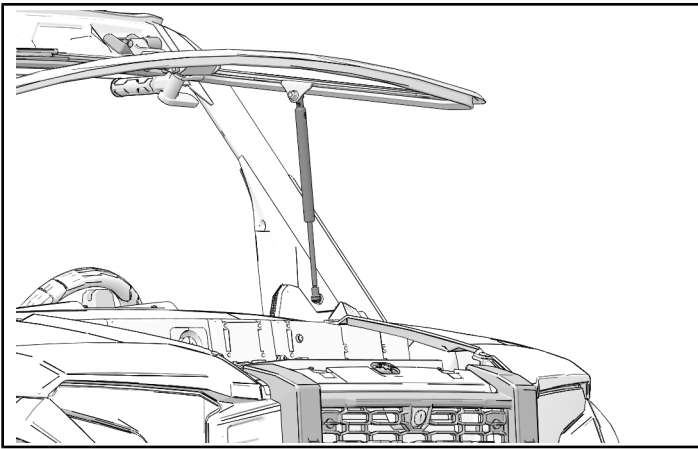
CENTER DASH PANEL REMOVAL

VEHICLES WITH TIP-OUT WINDSHIELD

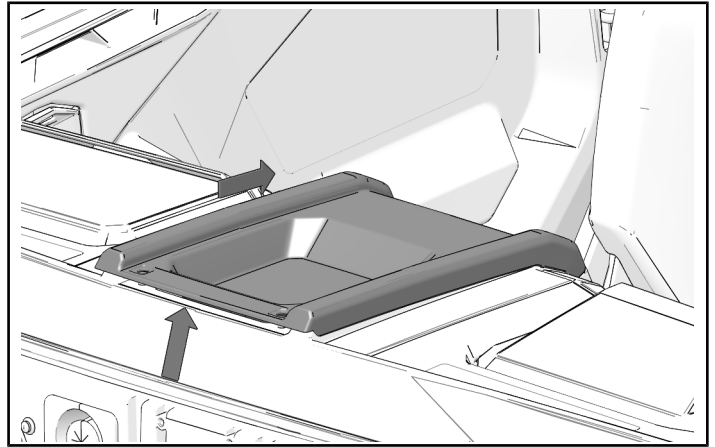
NOTICE

For vehicles without tip-out windshield, proceed to Panel Removal.

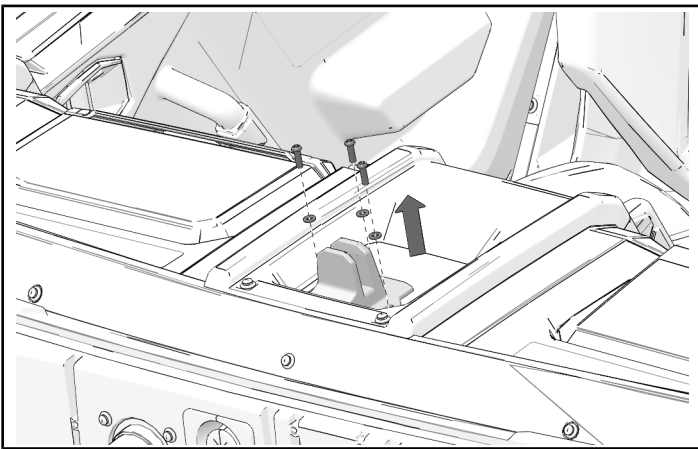
1. Open tip-out windshield.



2. Remove and keep panel by lifting front edge and moving backward.



2. Remove and keep three screws and washers. Remove and keep windshield base.



HEAD UNIT REMOVAL

NOTICE

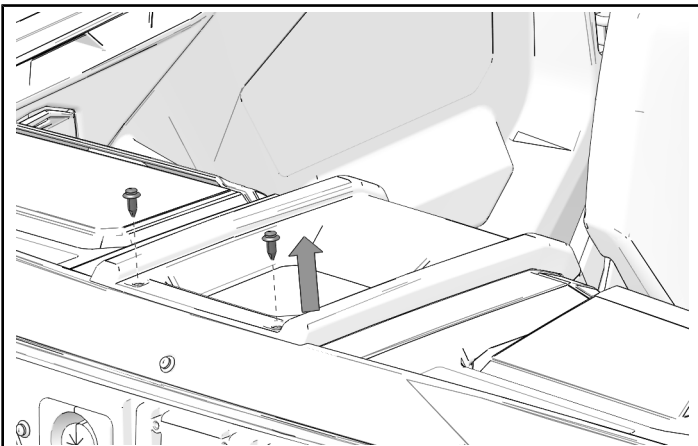
Vehicles without audio system will have a storage bin in place of head unit. Storage bin is removed in a similar manner to head unit.

NOTICE

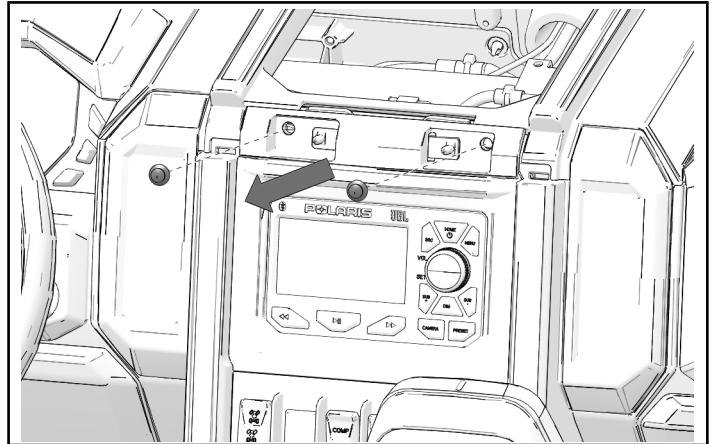
Base audio head unit removal shown. Ride Command® display removal similar.

PANEL REMOVAL

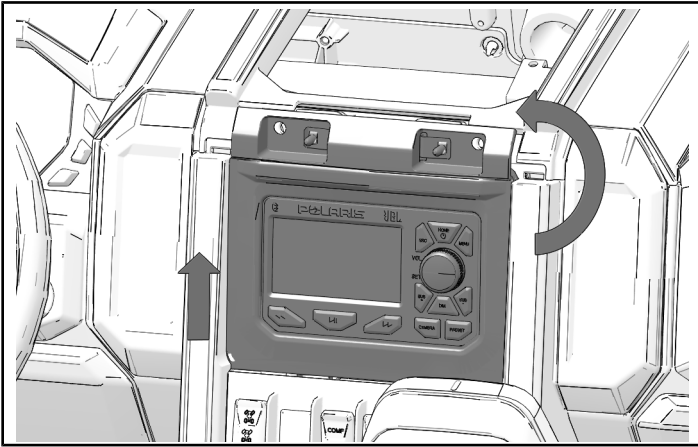
1. Remove and keep two push-pin rivets from center dash panel.



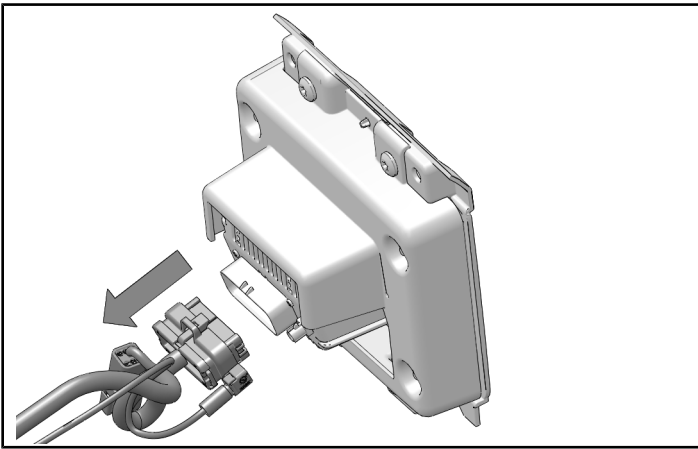
1. Remove and keep two push-pin rivets from top of the head unit.



2. Pull top of head unit away from dash and lift head unit up to remove from dash.



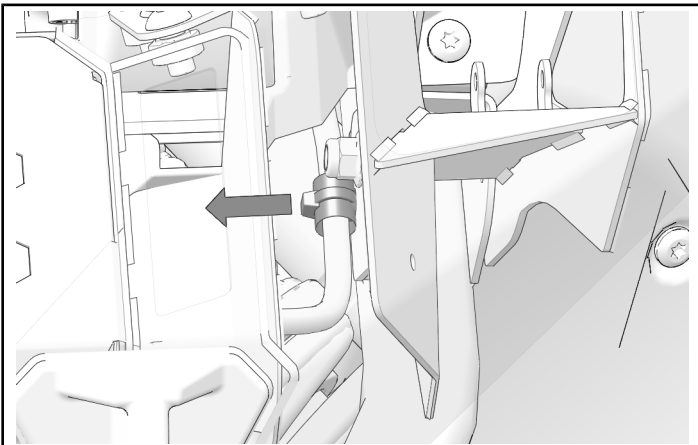
3. Disconnect wiring harness and antenna from head unit. Remove head unit.



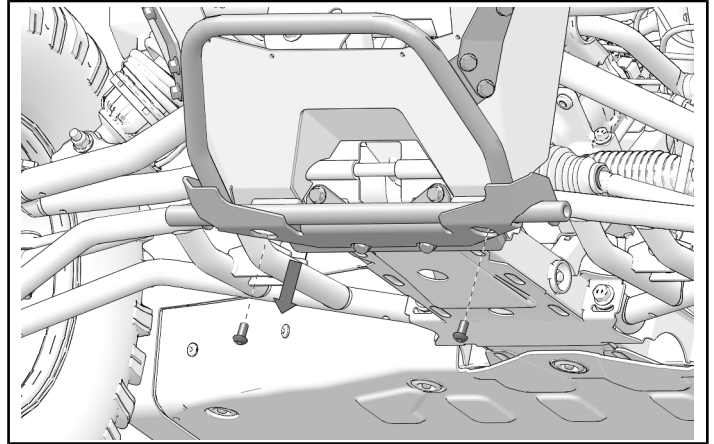
HD FRONT BUMPER PREPARATION

HD BUMPER REMOVAL

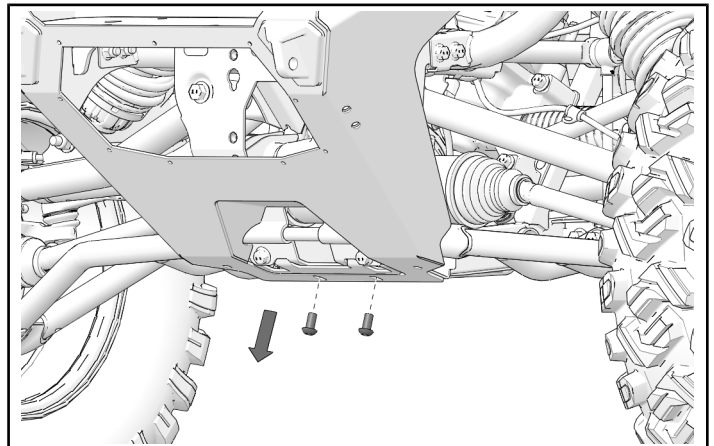
1. Remove push pin harness clip from inside of upper left mounting bracket.



2. If machine is equipped with snowplow mounting plate, remove and keep two screws from lower mounting holes.



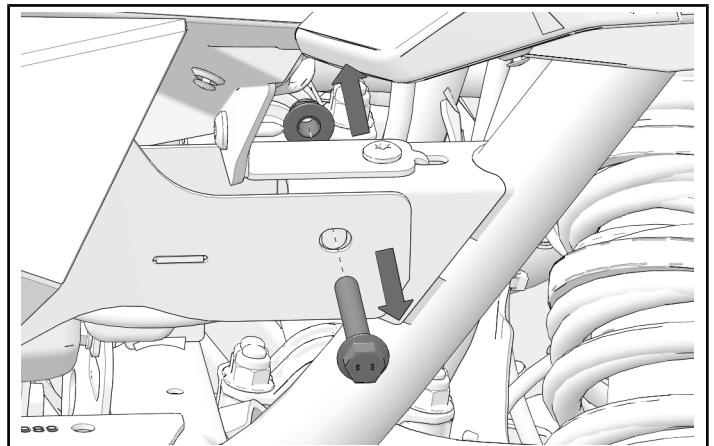
3. Remove and keep two screws from lower mounting holes.



4. Remove and keep screw and nut from each upper mount.

NOTICE

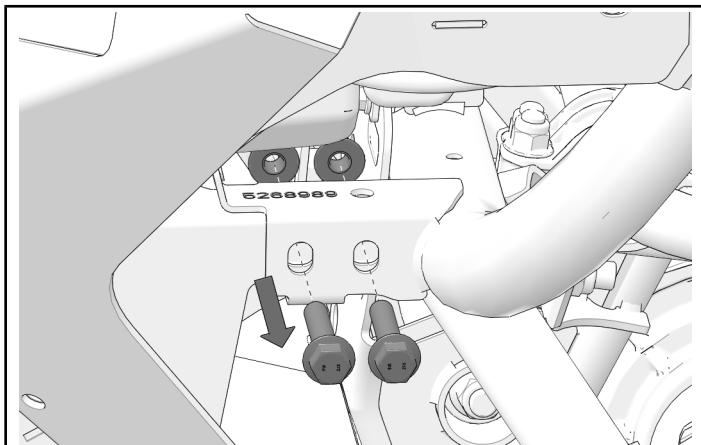
Left side shown; right side similar.



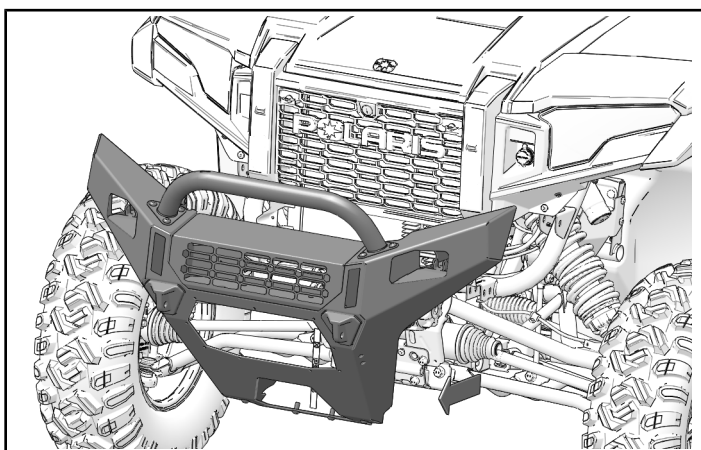
- Remove and keep two screws and two nuts from each middle mounting point.

NOTICE

Left side shown; right side similar.

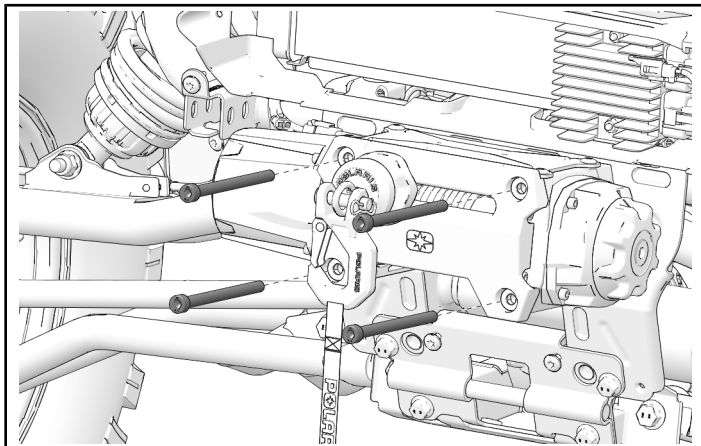


- Remove HD front bumper by pulling away from the vehicle and carefully set aside.

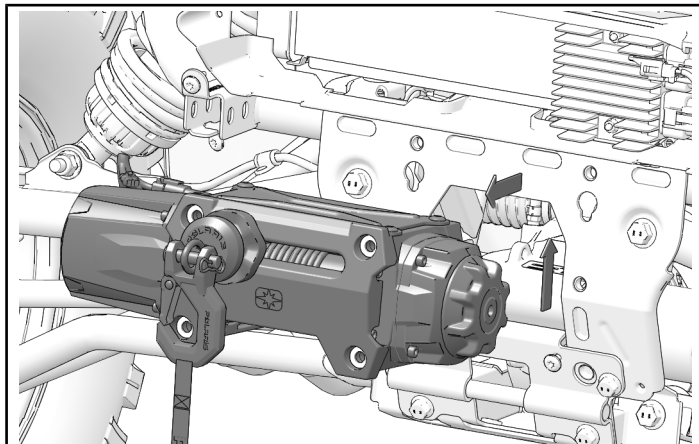


4500 PRO HD WINCH REMOVAL

- Remove four screws from 4500 Pro HD winch.

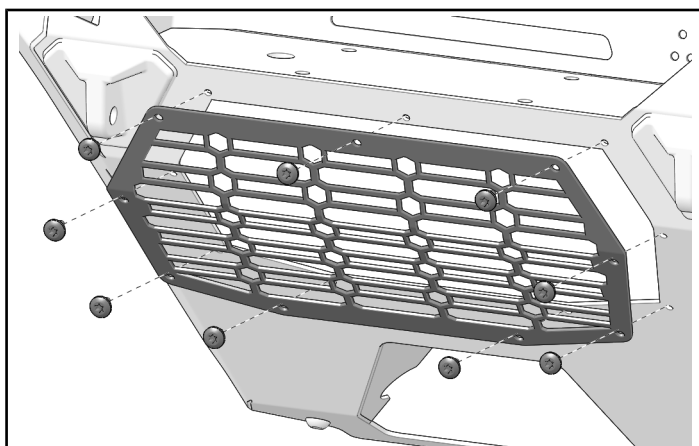


- Disconnect all harness connections and remove 4500 Pro HD winch by lifting upward and pulling outward.



HD FRONT BUMPER PREPARATION

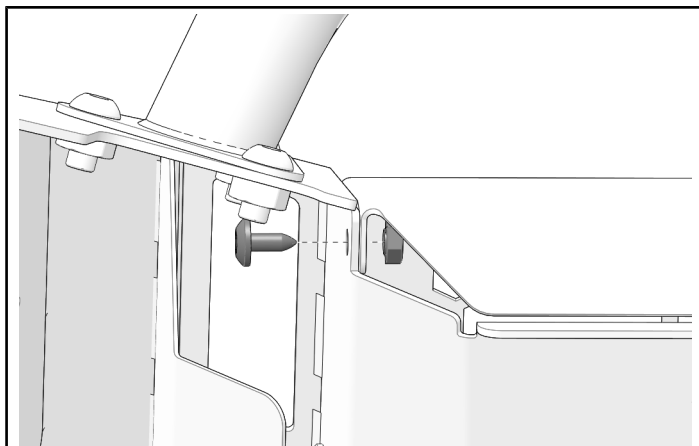
- Install grate to HD front bumper using nine screws.



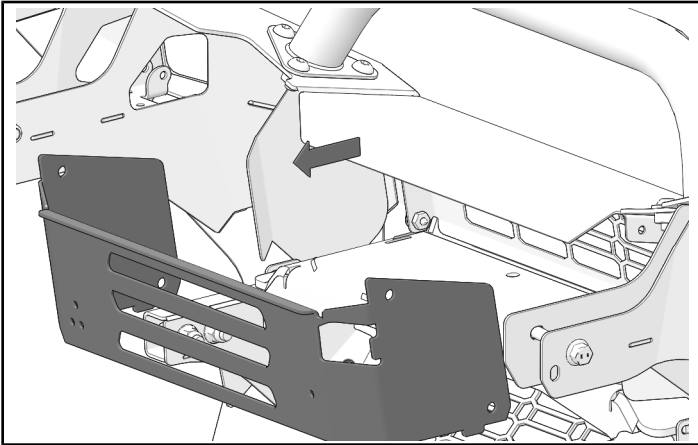
- Remove and keep two screws and two nuts from the top of the top plate of the HD front bumper.

NOTICE

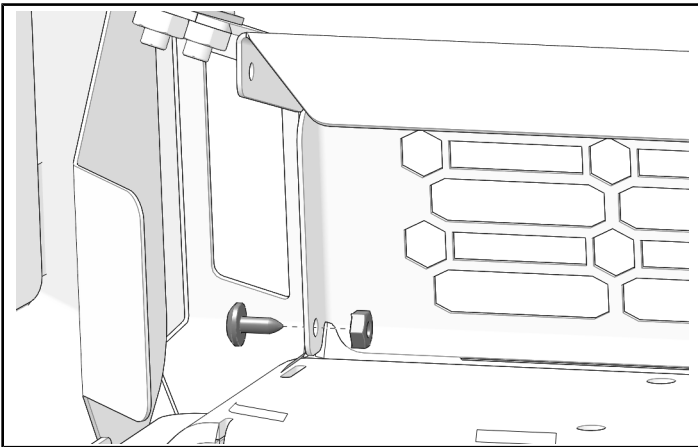
Left side shown; right side similar.



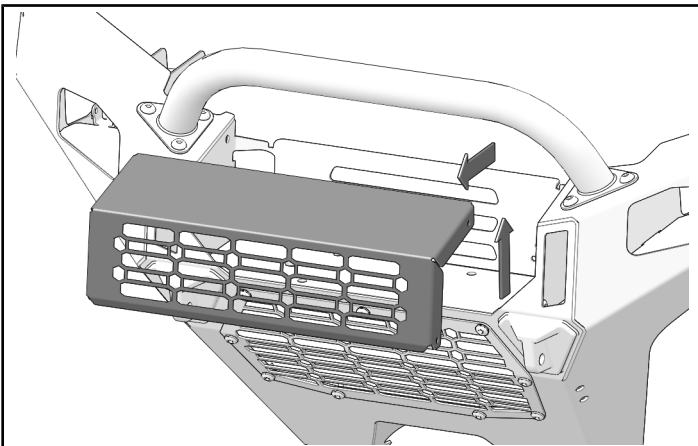
3. Remove rear plate of HD bumper by pulling outward.



4. Remove and keep two screws and two nuts from the bottom of the HD front bumper.



5. Remove top plate of HD front bumper by lifting up and pulling outward.



HD FRONT BUMPER INSTALLATION

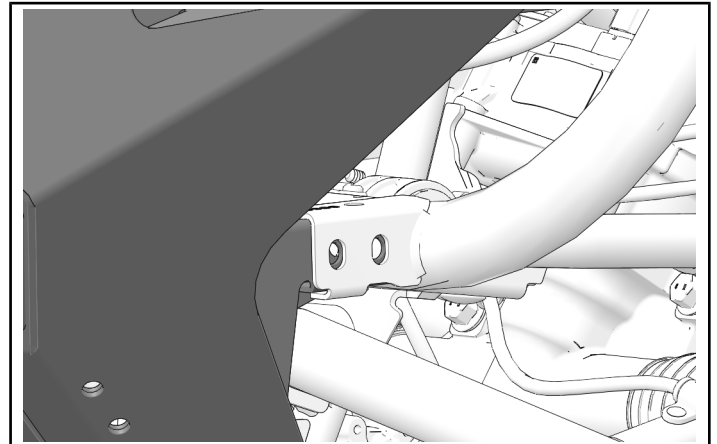
1. Install HD front bumper onto vehicle. Middle and upper mounting points should lineup with the frame as shown below.



2. Middle mounting point slides into the bracket in the vehicle frame.

NOTICE

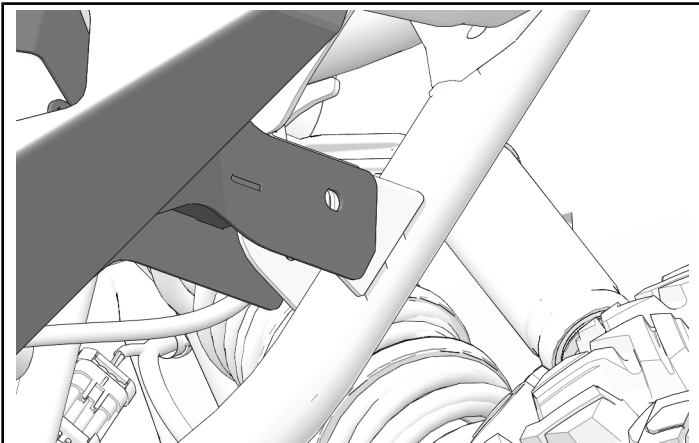
Left side shown; right side similar.



3. Upper mounting point will wrap around the left and right side of the bracket on the vehicle frame.

NOTICE

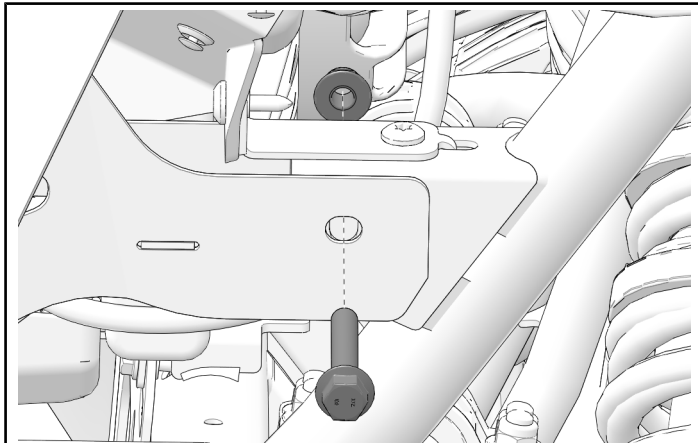
Left side shown; right side similar.



5. Loosely install two screws and two nuts to secure upper mounting points.

NOTICE

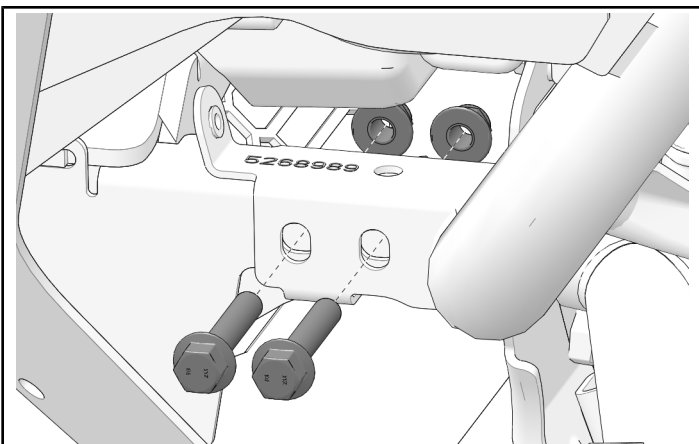
Left side shown; right side similar.



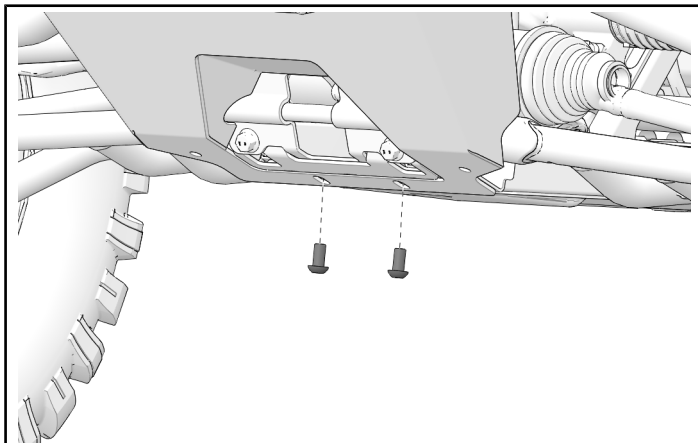
4. Loosely install four screws and four nuts to secure the middle mounting points.

NOTICE

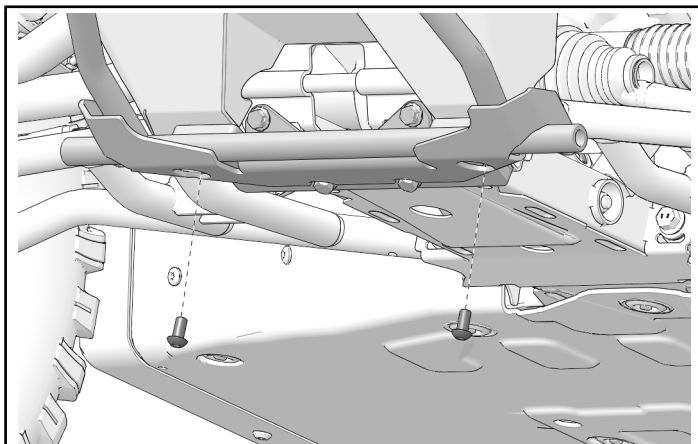
Left side shown; right side similar.



6. Loosely install two screws in the lower mounting holes.



7. If machine is equipped with snowplow mounting plate, loosely install two additional screws in the lower mounting holes.



8. Torque middle mounting screws to specification.

TORQUE

Middle Mounting Screws:
30 ft-lbs (40 N·m)

9. Torque lower mounting screws to specification.

TORQUE

Lower Mounting Screws:
30 ft-lbs (40 N·m)

10. Torque upper mounting screws to specification.

TORQUE

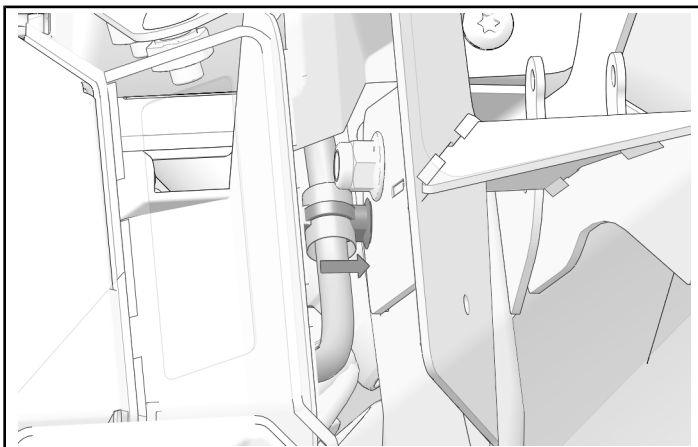
Upper Mounting Screws:
30 ft-lbs (40 N·m)

11. Torque grate screws to specification.

TORQUE

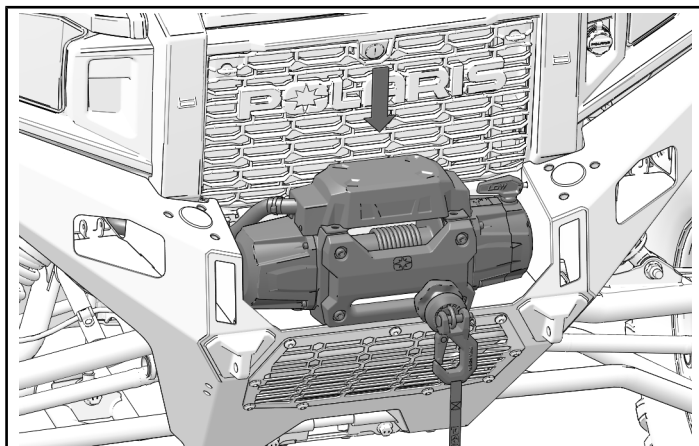
Grate Screws:
79 in-lbs (9 N·m)

12. Install push pin harness clip into the upper left mounting bracket.



ACCESSORY INSTALLATION

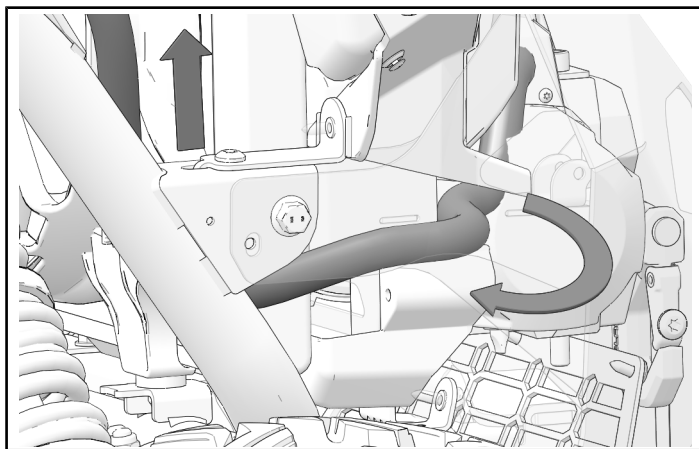
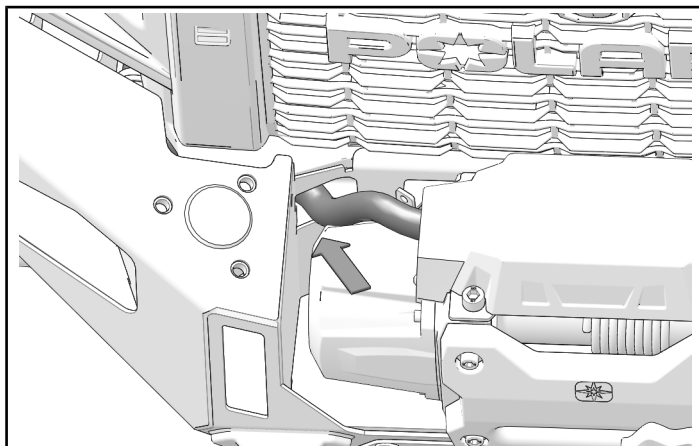
1. Set winch assembly ③ on top of HD front bumper and align holes.



2. Route the harness through the HD front bumper and above the frame as shown.

NOTICE

Parts of the vehicle have been hidden for clarity.

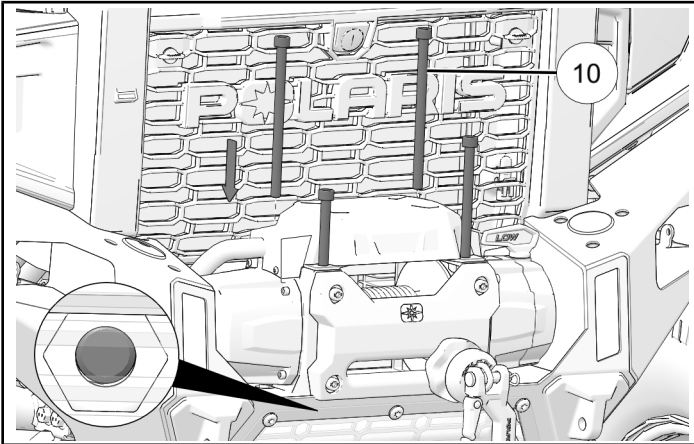


- Loosely install winch assembly ③ to accessory bumper using four kept screws ⑩.

NOTICE

Parts of vehicle have been hidden for clarity.

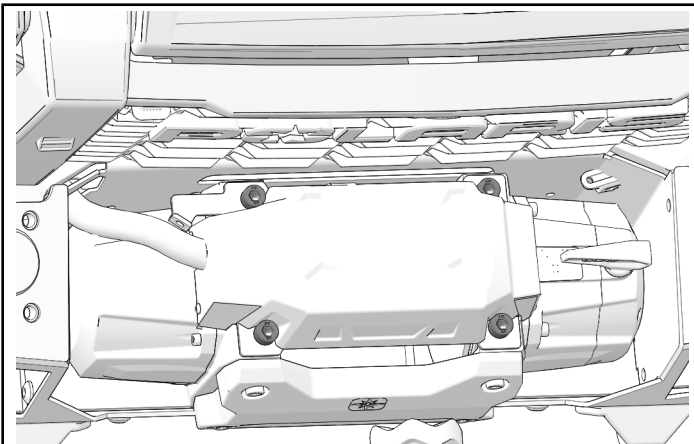
DO NOT torque fasteners at this time.



- Make sure harness is not pinched anywhere between the winch and the frame.
- Torque winch assembly screws to specification.

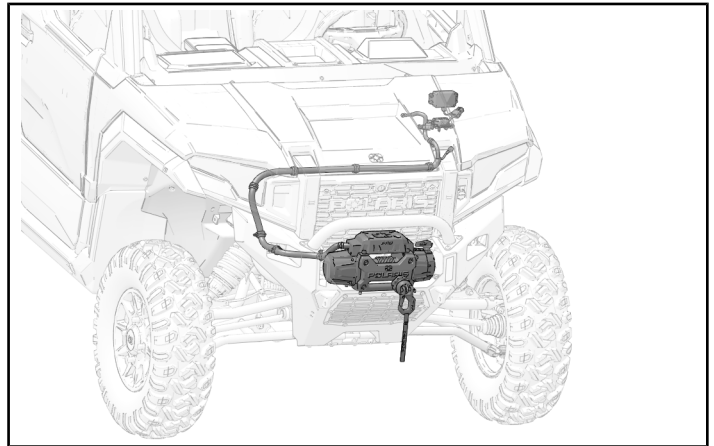
TORQUE

Winch Assembly Screws:
59 ft-lbs (80 N·m)



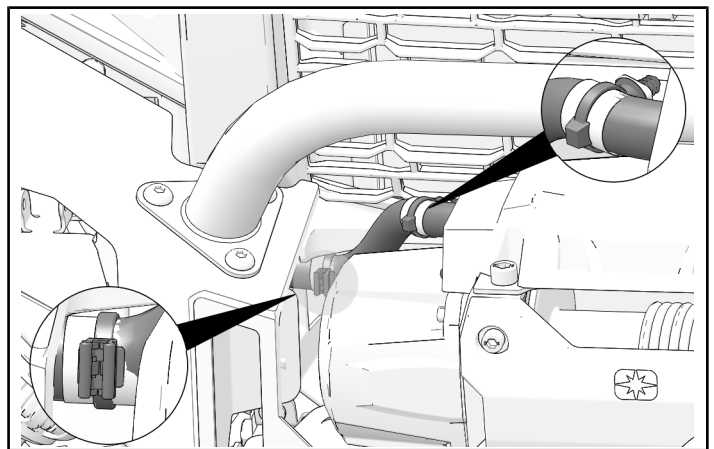
WIRE HARNESS ROUTING

WIRE HARNESS ROUTING OVERVIEW

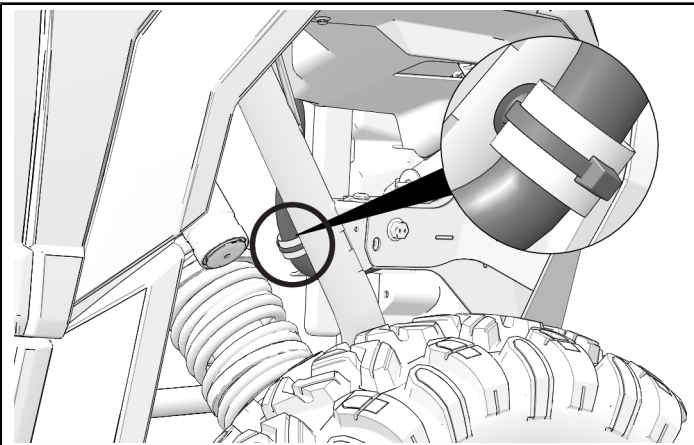
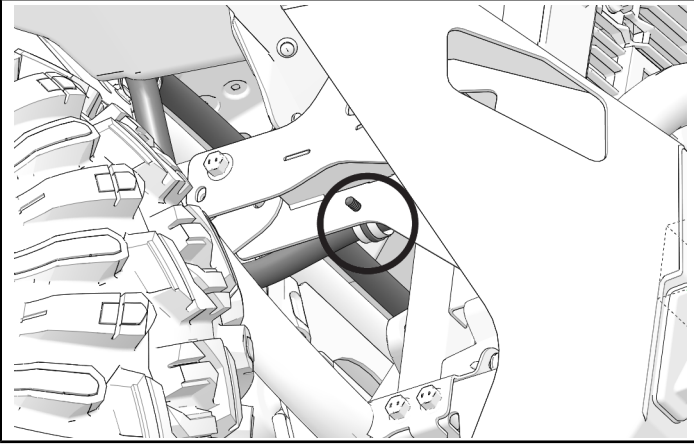


WIRE HARNESS ROUTING

- Route winch harness up frame tube as shown. Install cable tie clips onto frame tube as shown.



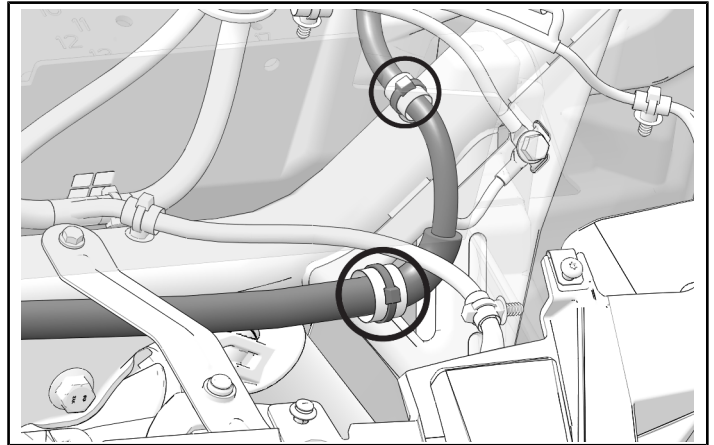
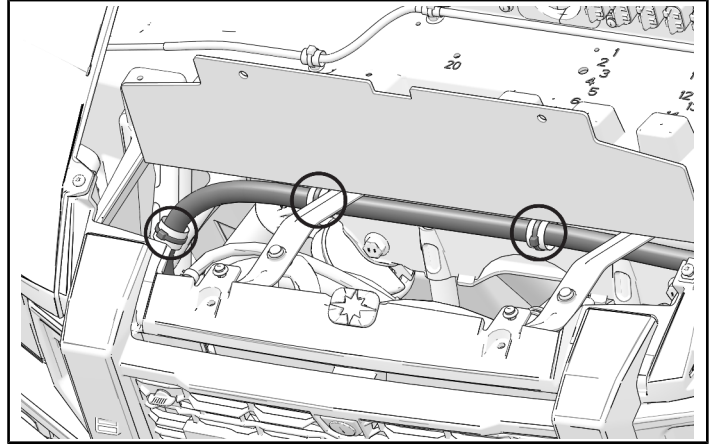
2. Route harness across top of core support as shown. Install cable clip ties into core support as shown.



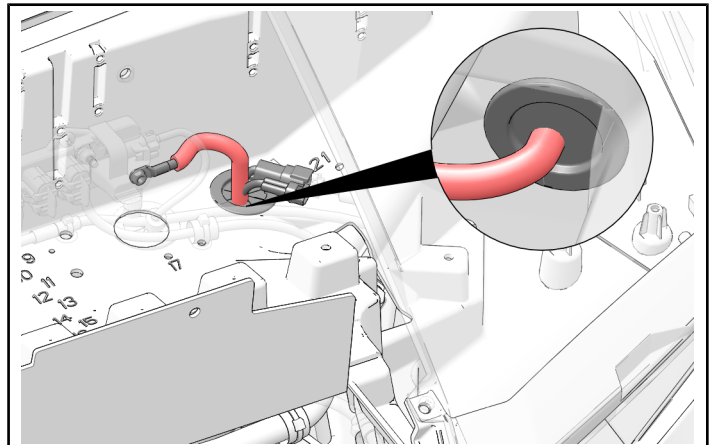
3. Continue to route harness along top of core support. Install cable clip ties into core support as shown.

NOTICE

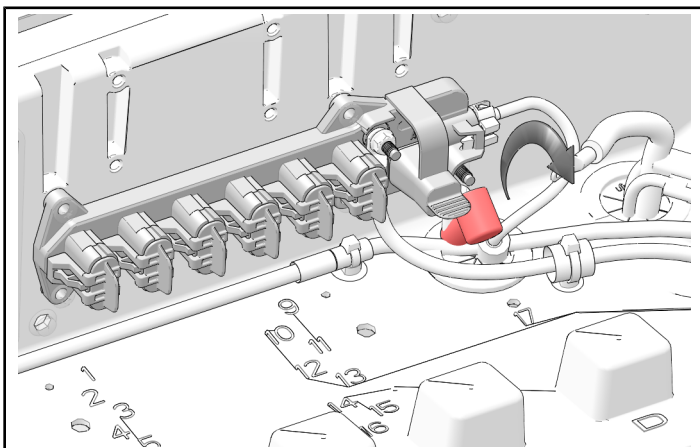
Parts of vehicle underhood have been hidden for clarity.



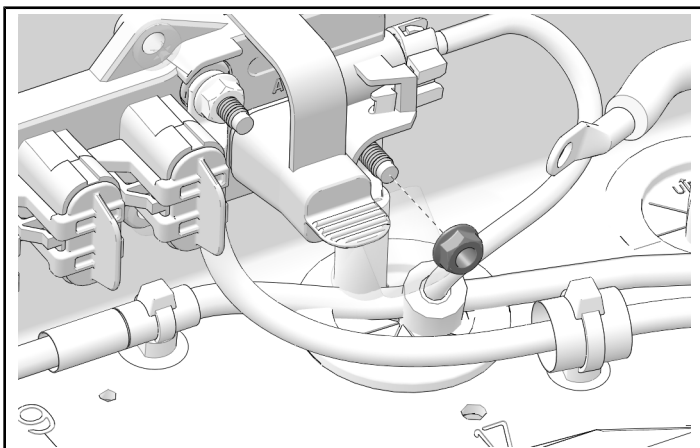
4. Locate outer grommet in upper tray and put end of harness with power cable and multiple connectors through grommet.



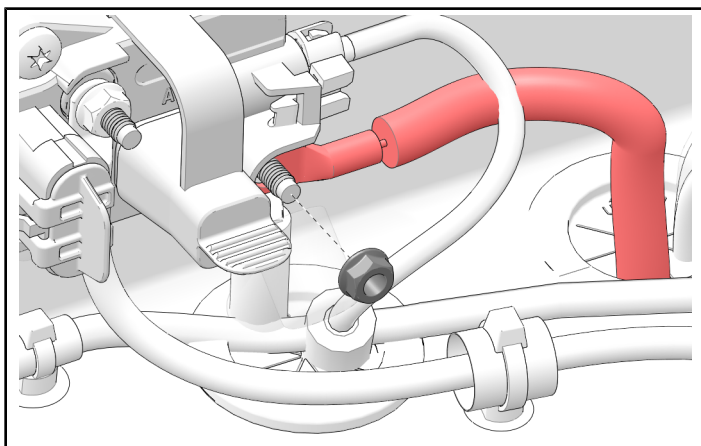
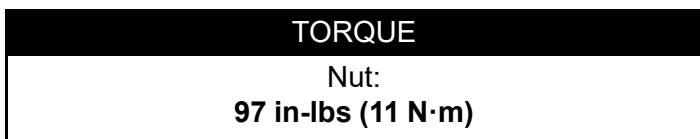
5. Remove boot from positive connector and move boot out of way to access nut.



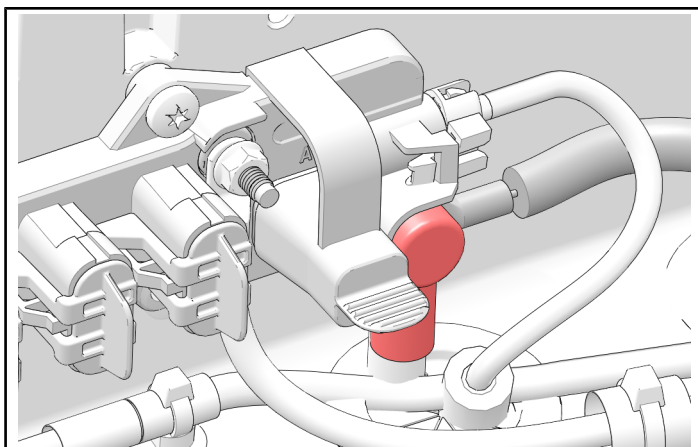
6. Remove and keep nut from positive Pulse® bar terminal ring.



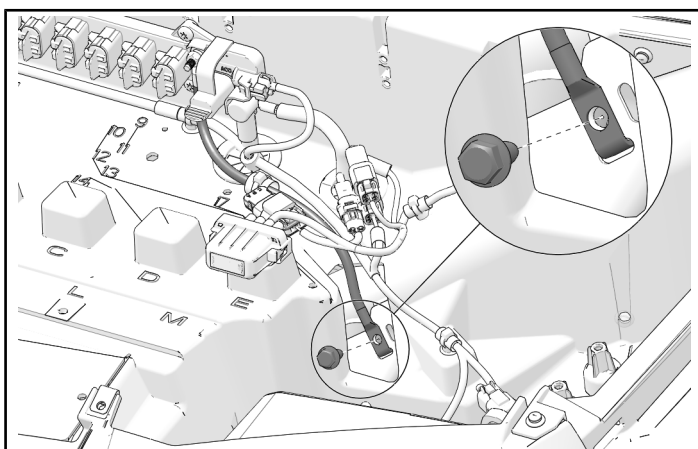
7. Install terminal ring end of positive cable (red) to Pulse® bar stud. Attach with kept nut and torque nut to specification.



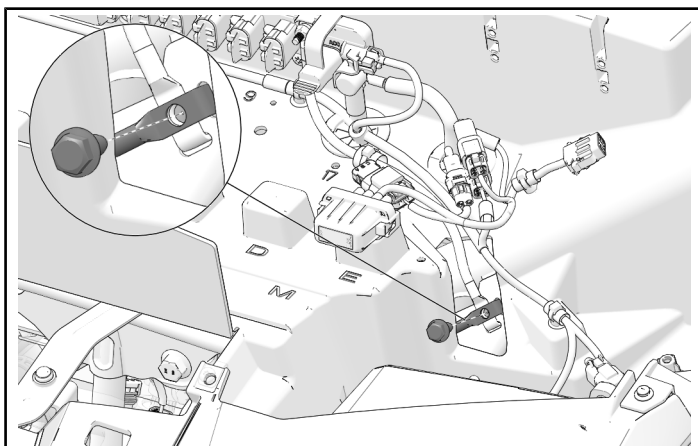
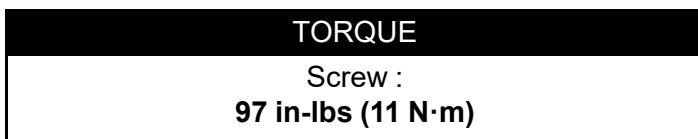
8. Install rubber boot onto positive terminal post.



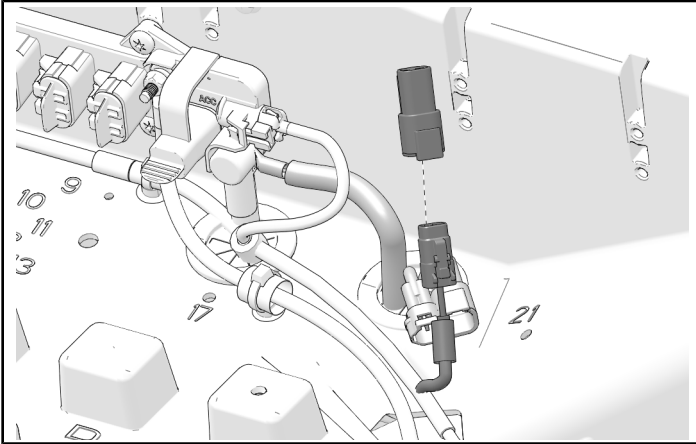
9. Remove and keep screw ⑨ from negative terminal end body connection.



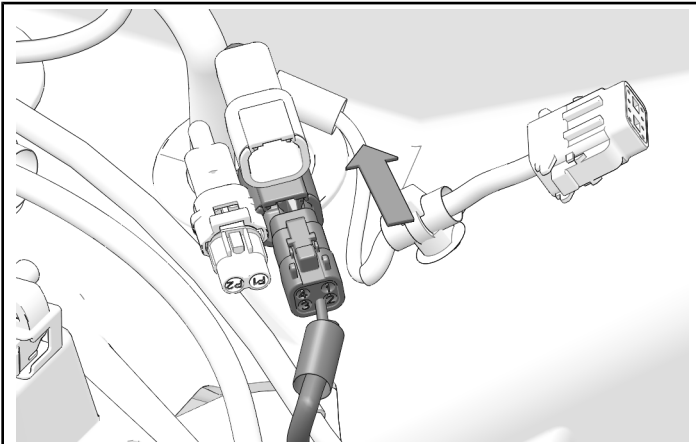
10. Install negative terminal end (black wire) so center hole lines up and it is 90° off from the already present terminal. Attach with kept screw and torque to specification.



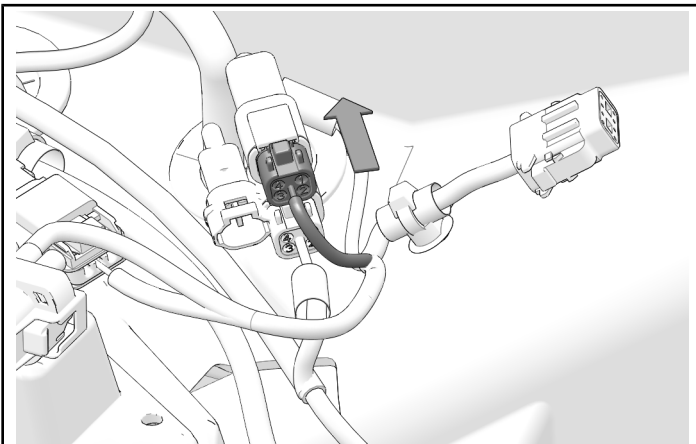
11. Locate the four-pin connector on the chassis harness near the pulse bar and remove the blank plug from the connector.



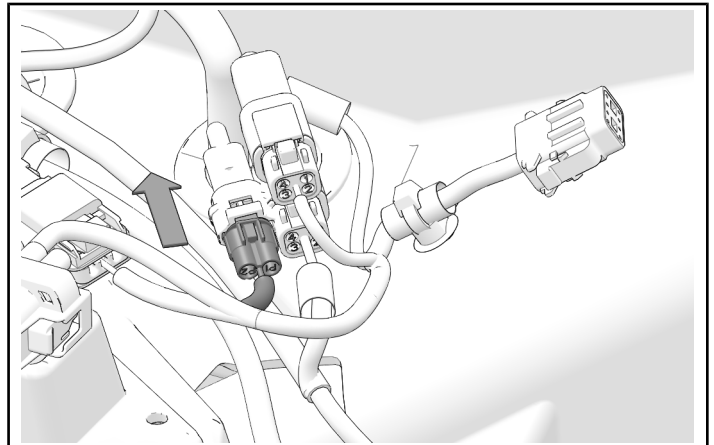
12. Connect chassis harness connector to matching winch harness connector.



13. Connect auxiliary harness connector to matching winch harness connector.



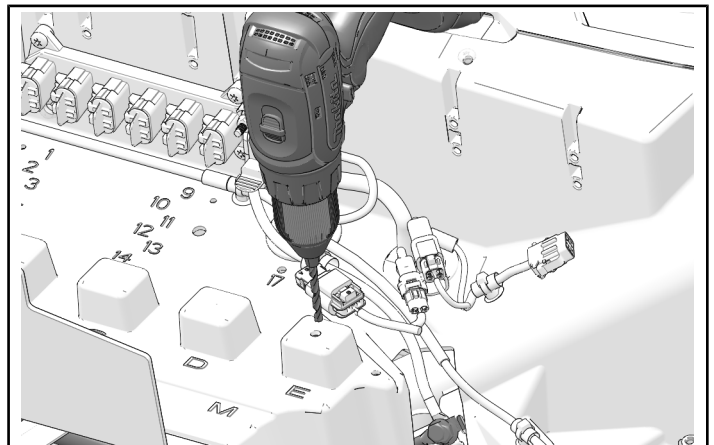
14. Connect 4F connector into the mating connector of the main winch harness.



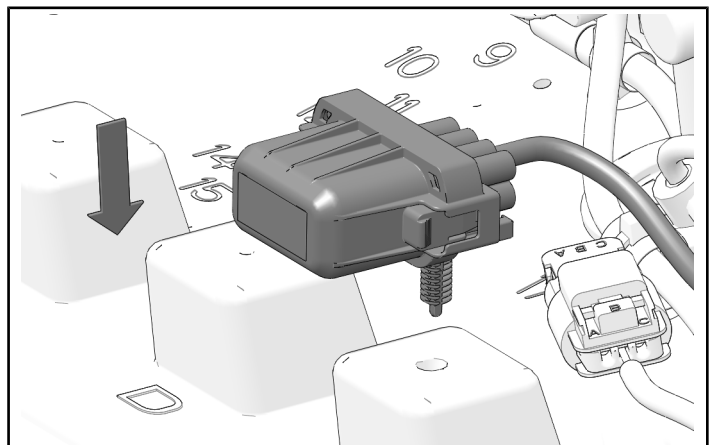
15. Locate dimple in "E" mounting point and drill a hole.

MEASUREMENT

Drill Bit Size: 1/4 in (6 mm)

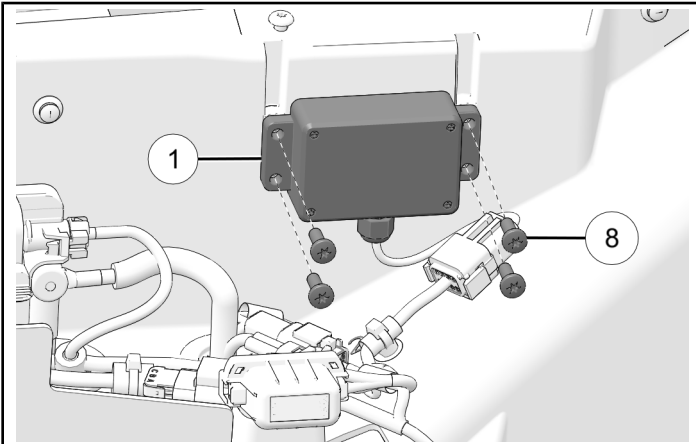


16. Clip fuse block into "E" mounting point into previously drilled hole.

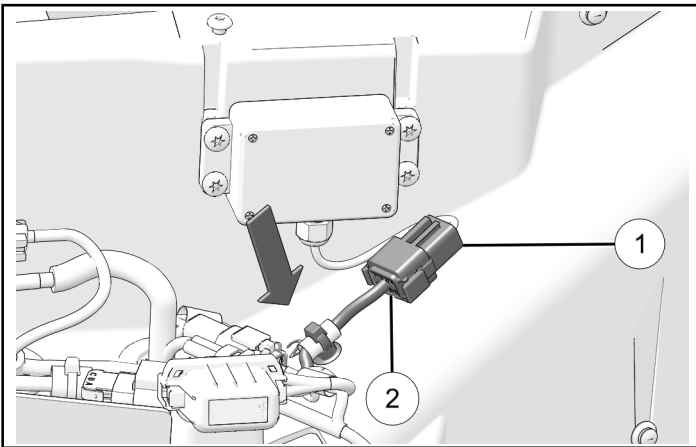


AUTOSTOP BOX INSTALLATION

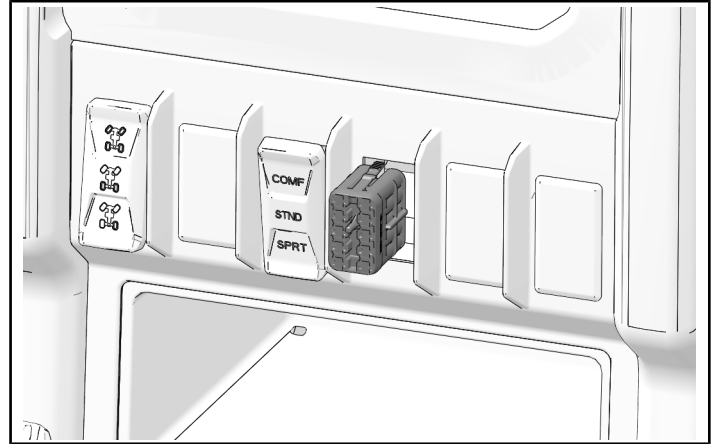
1. Install the autostop box ① to the mounting holes as shown and attach with four screws ⑧. Tighten screws until fully seated.



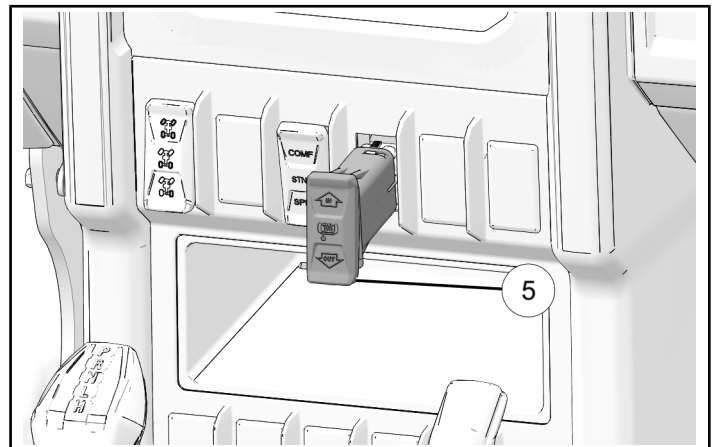
2. Attach autostop box ① to winch control harness ② as shown.



2. Locate empty connector for winch control switch and pull connector through blank opening. Empty connector will have a winch icon.

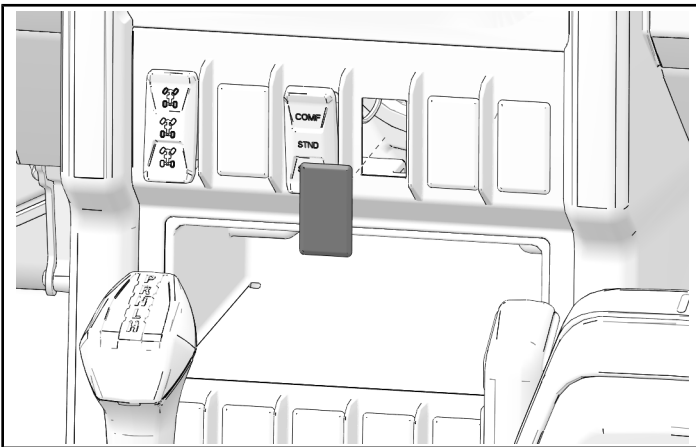


3. Install new winch control switch ⑤ to open connector and install into blank opening in dash. Push into opening until a click is heard.



SWITCH INSTALLATION

1. Remove the third from the right blank plug from switch block in dashboard.



REMOTE CONTROL HOLDER INSTALLATION

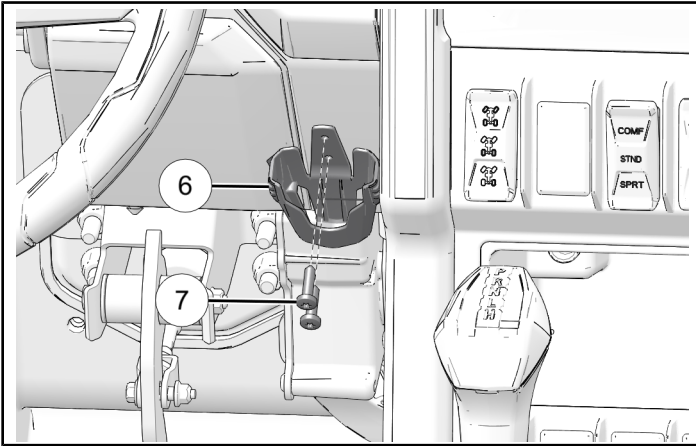
1. Mark desired remote control holder location and drill two pilot holes. Attach remote control holder ⑥ to dashboard using two screws. Tighten screws until fully seated.

NOTICE

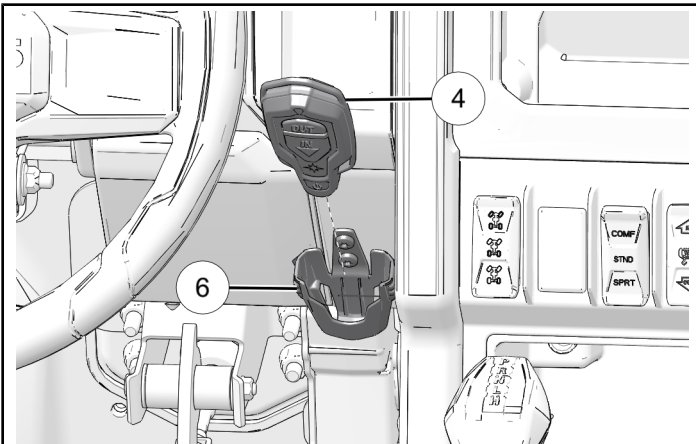
Polaris recommends this location for remote control holder.

MEASUREMENT

Drill Bit Size: 7/64 in (2.7 mm)



2. Put remote control ④ into remote control holder ⑥.



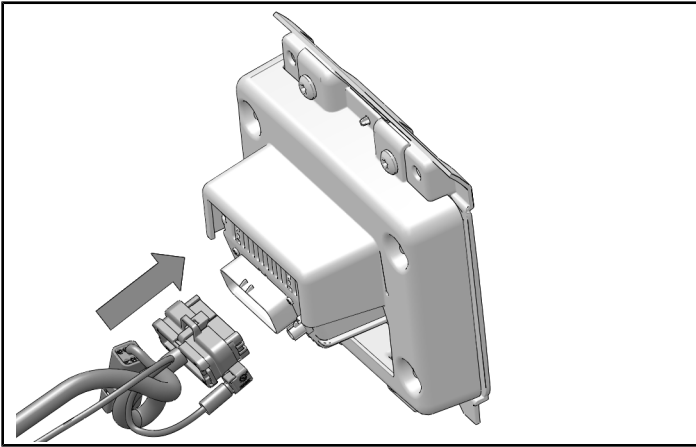
VEHICLE REASSEMBLY

HEAD UNIT INSTALLATION

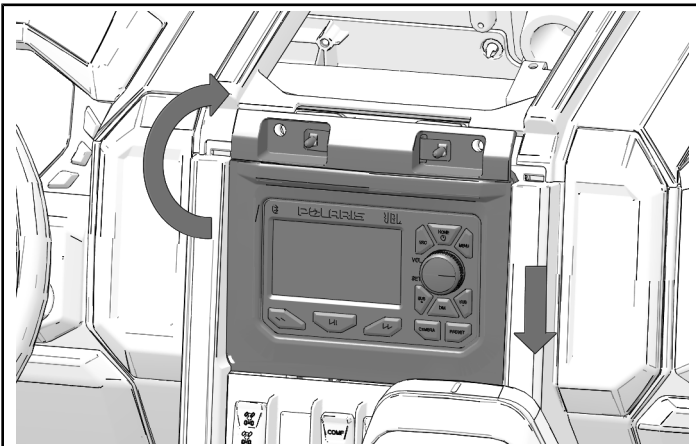
NOTICE

Base audio head unit installation shown. Ride Command® display installation similar.

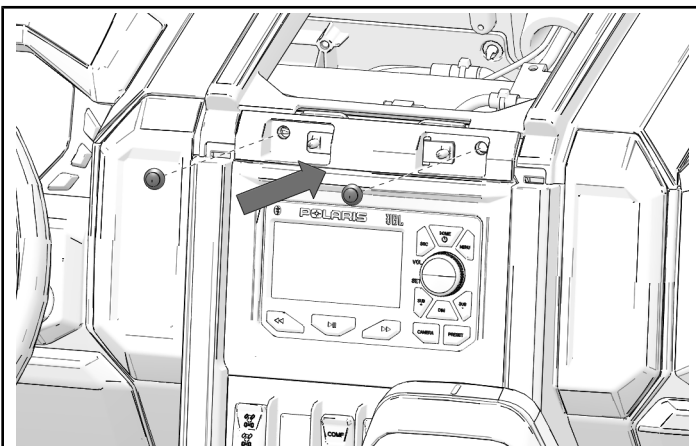
1. Attach wiring harness and antenna to head unit.



2. Put bottom of head unit into position. Push top of head unit into dash.

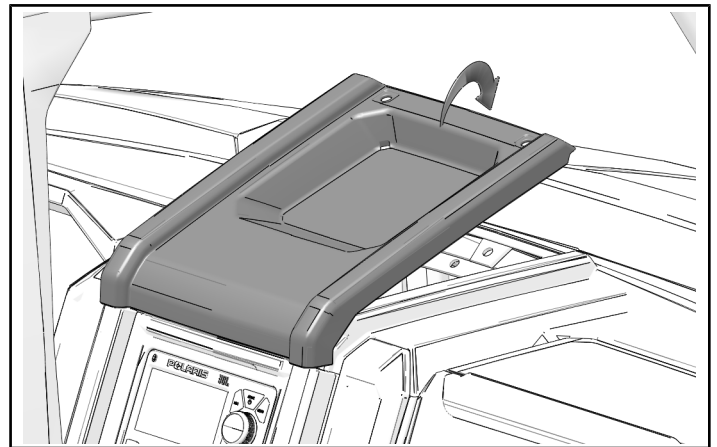
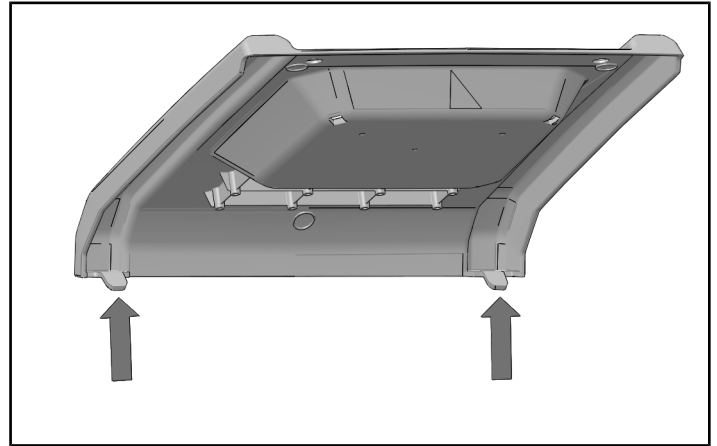


3. Install two push-pin rivets into top of head unit.

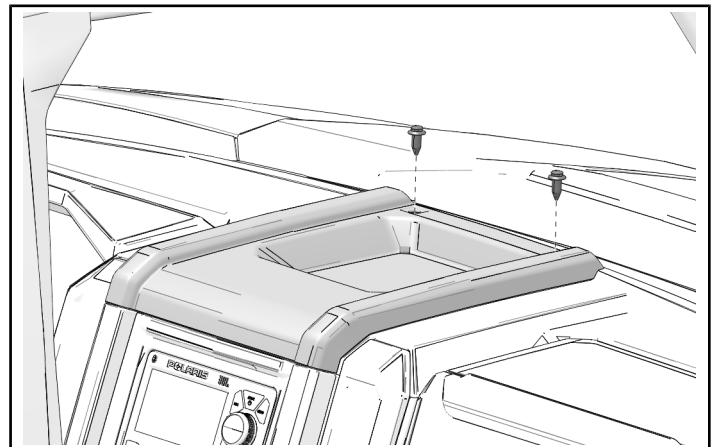


INSTALL CENTER DASH COVER

1. Install center dash cover at front and set into position. Make sure tabs are fit into slots in dash.

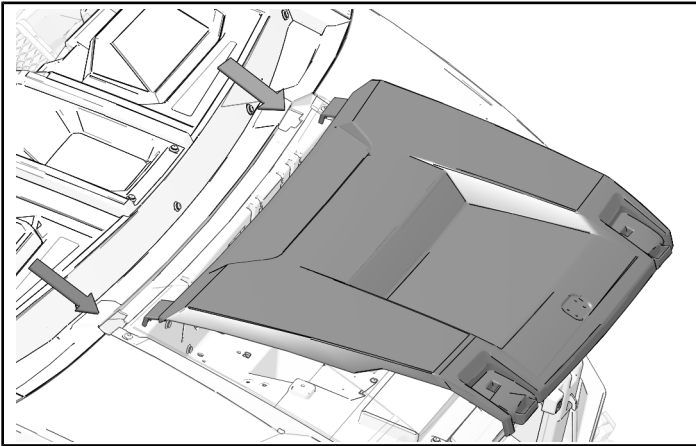


2. Install two push pin rivets.

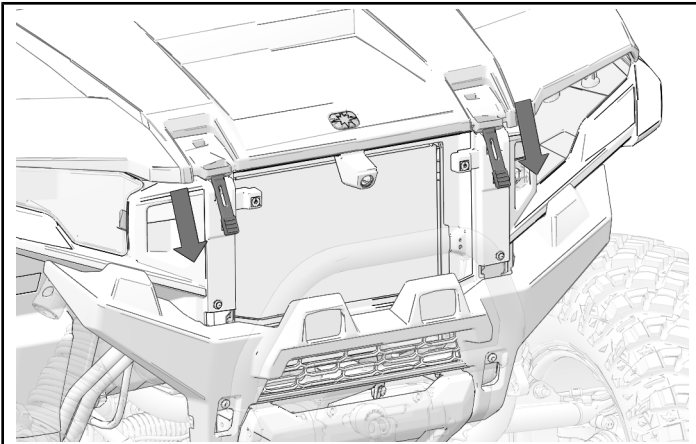


HOOD AND GRILL INSTALLATION

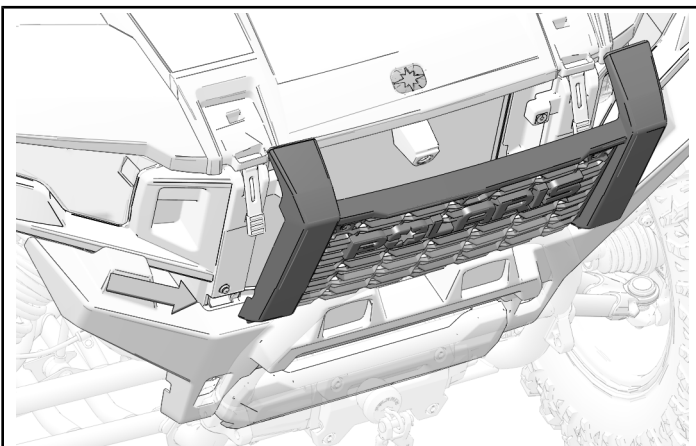
1. Install hood tabs through openings in underhood liner. Put hood in position.



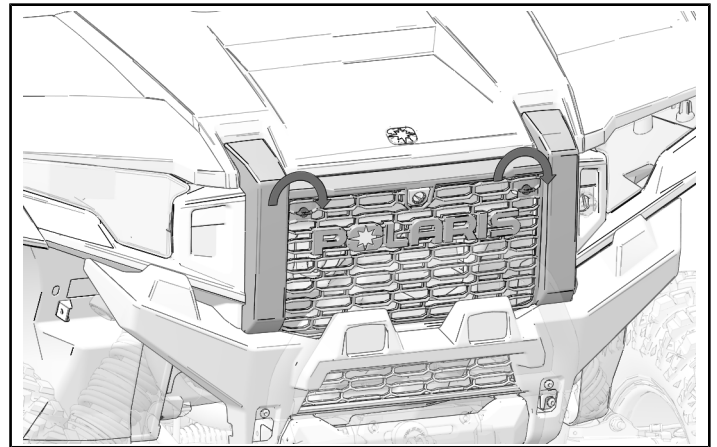
2. Pull rubber straps over hooks.



3. Put grill mounting tabs in openings on front fascia. Install top of grill on hood.

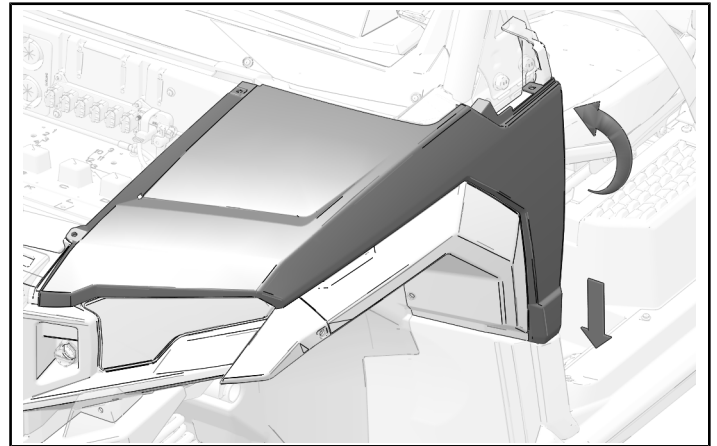


4. Attach grill with two quarter turn fasteners.

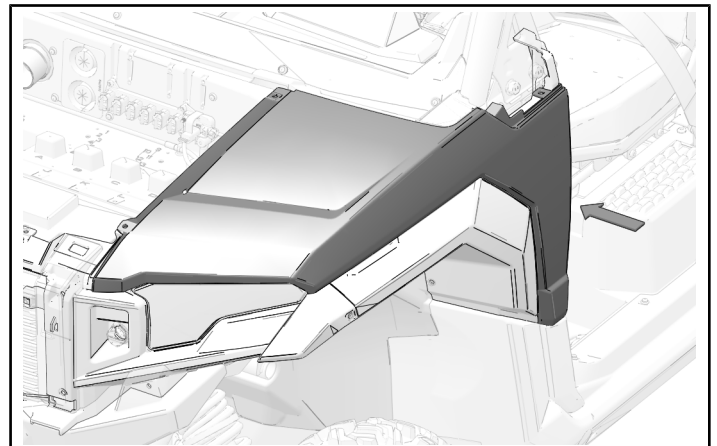


LEFT FRONT FENDER INSTALLATION

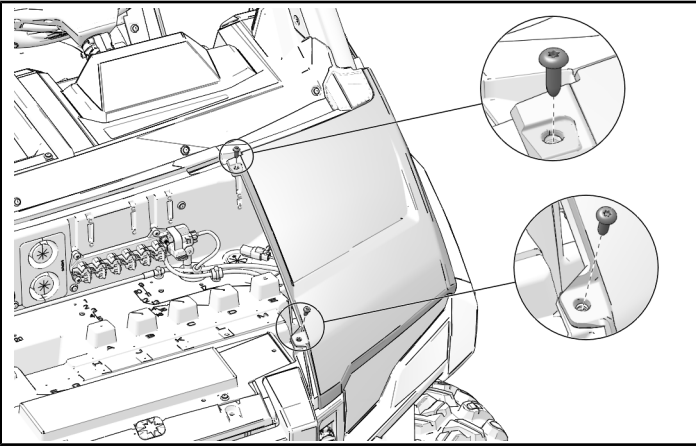
1. Turn and lower the fender to engage lower tab.



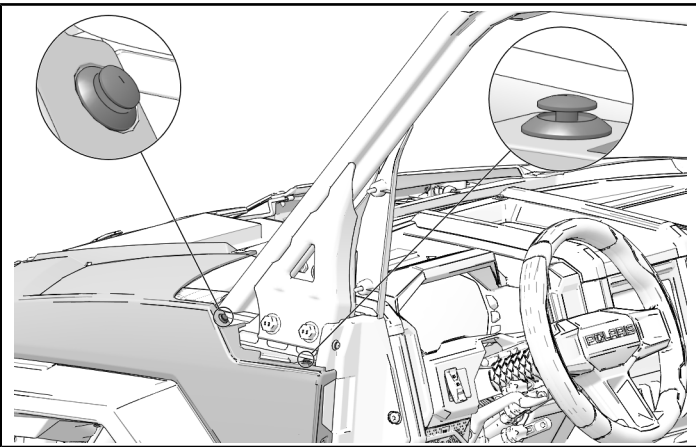
2. Push fender inward to engage upper tabs.



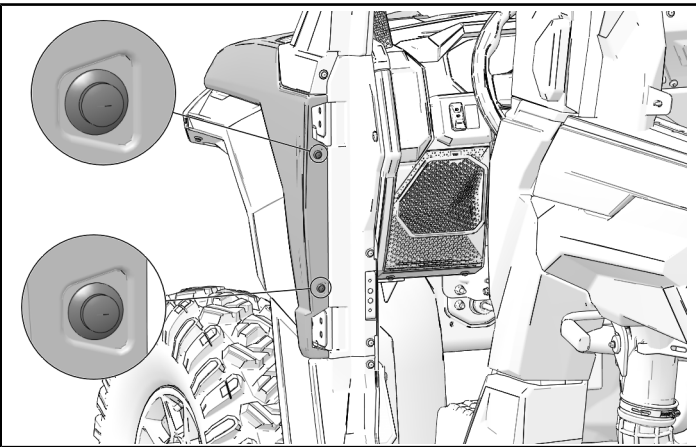
3. Install two screws in front fender. Tighten until fully seated



4. Install two push pin rivets in top of front fender.

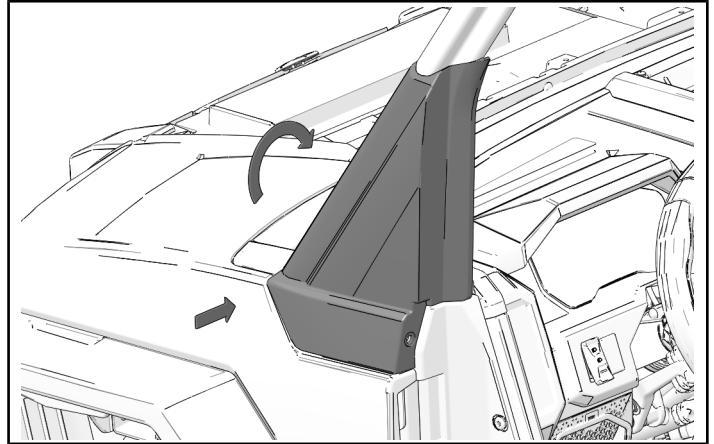


5. Install two push pin rivets in rear edge of front fender.



LEFT SAIL PANEL INSTALLATION

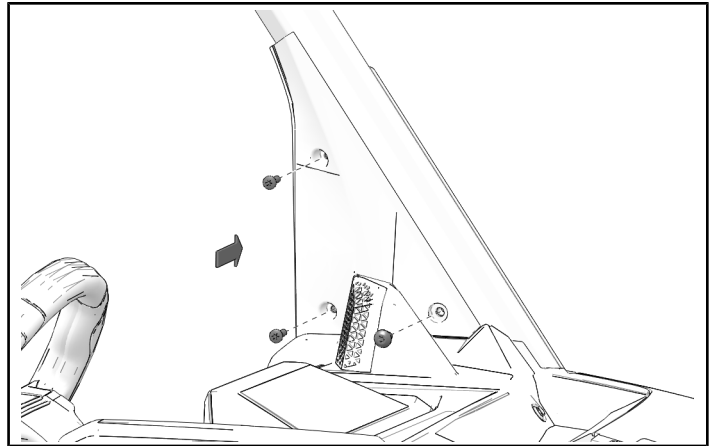
1. Install front edge of outer sail panel by pushing panel inward and turning toward rear.



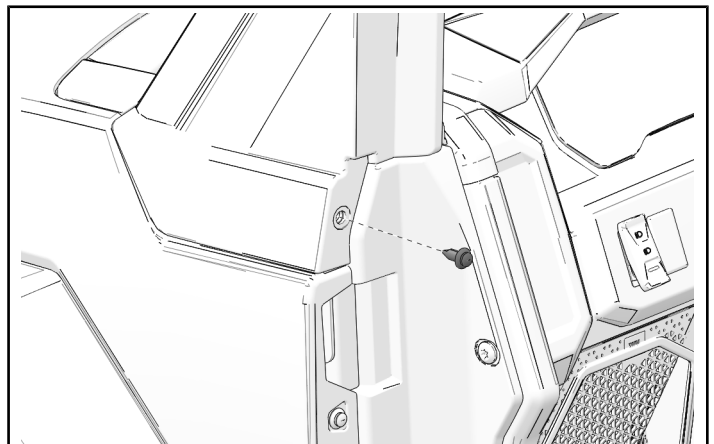
2. Attach inner sail panel using three screws and torque screws to specification.

TORQUE

Screws:
22 in-lbs (2.5 N·m)



3. Install push pin rivet.



CONNECT BATTERY

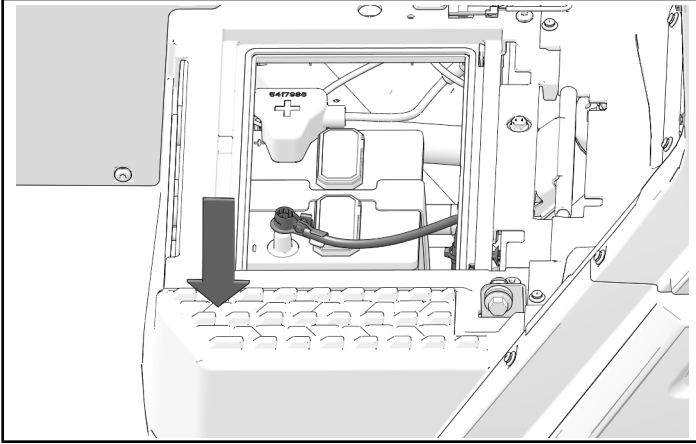
NOTICE

Doors hidden for clarity

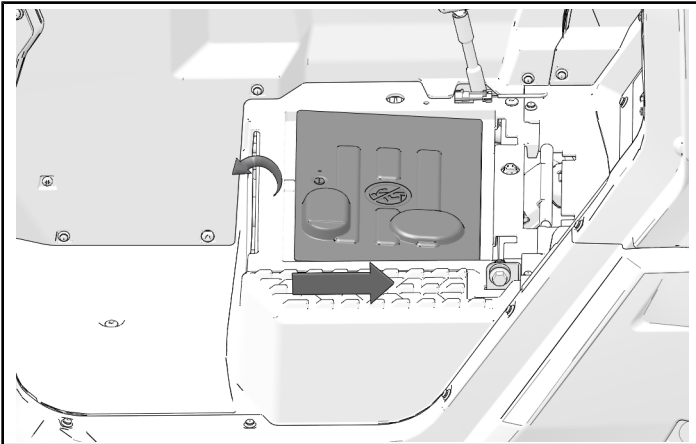
1. Connect negative battery cable to negative (-) battery terminal. Torque nut on cable to specification.

TORQUE

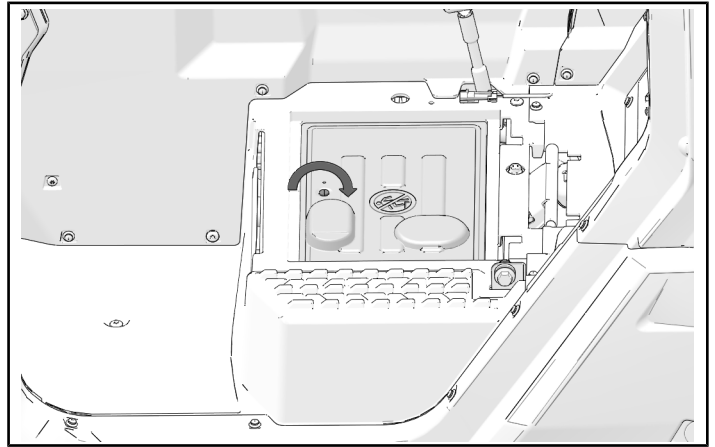
Nut:
35 in-lbs (4 N·m)



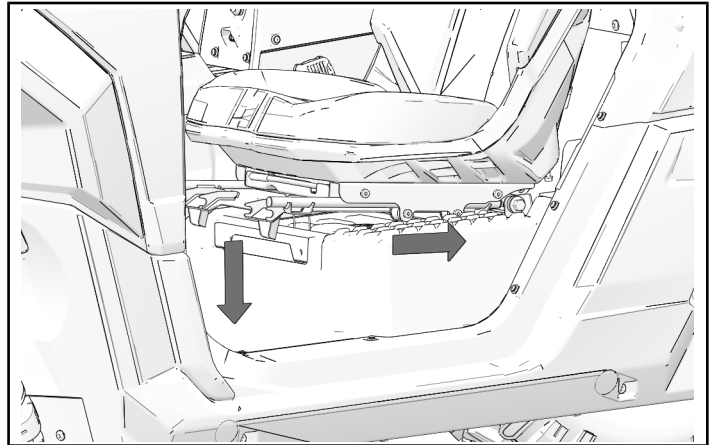
2. Slide battery cover rearward and lower cover into place.



3. Turn screw to close cover.



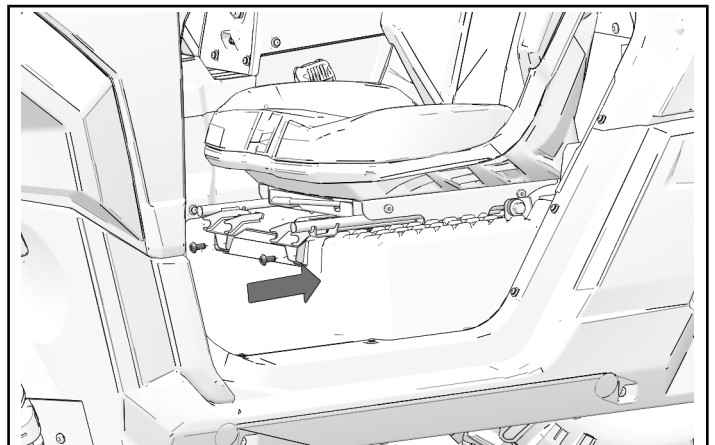
4. Slide front seat rearward to engage rear mounts. Lower front of seat.



5. Install two screws at front of seat base. Torque screws to specification.

TORQUE

Screws:
13 ft-lbs (18 N·m)



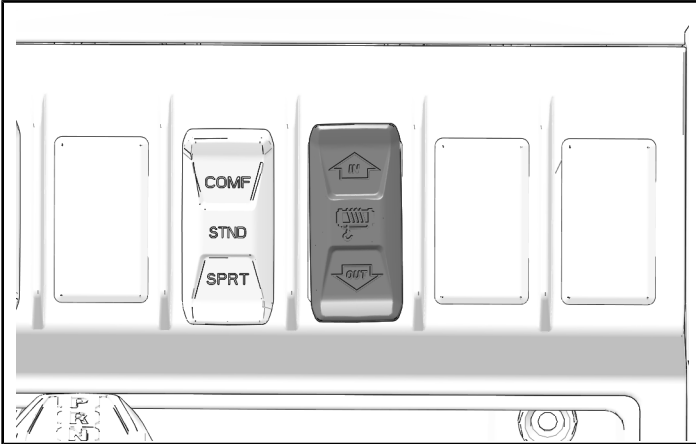
OPERATION

NOTICE

The winch switch will only function if a winch has already been properly installed on the vehicle.

The winch switch has two functions that activate by pressing the top or bottom of the switch.

- Press the bottom of the switch (“OUT”) to spool line out from the winch.
- Press the top of the switch (“IN”) to spool line in to the winch.



- To operate winch with remote control, push and hold power button until LED lights illuminate.

