

WINCH KIT



P/N 2884837; 2884838

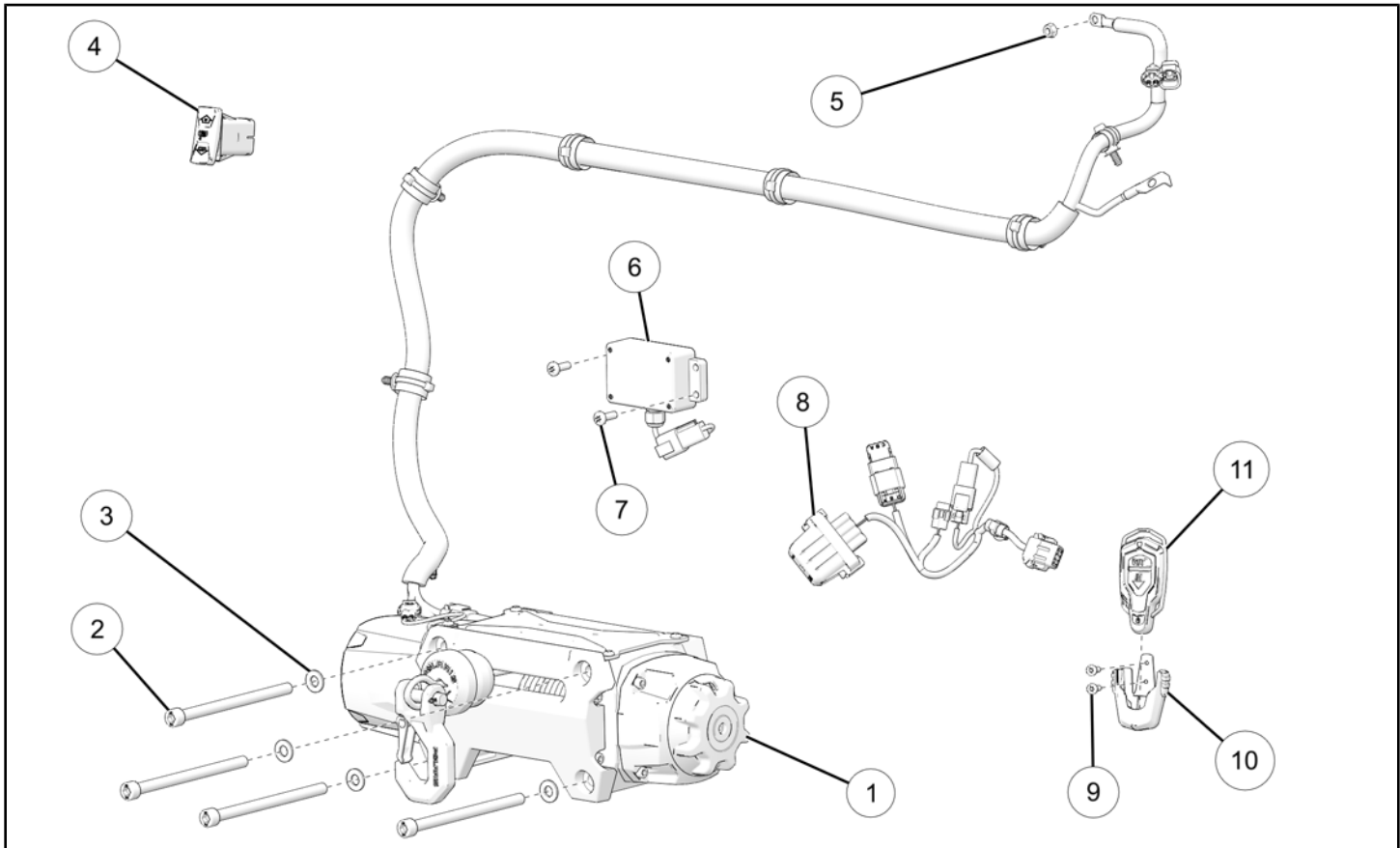
BEFORE YOU BEGIN

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.

KIT CONTENTS

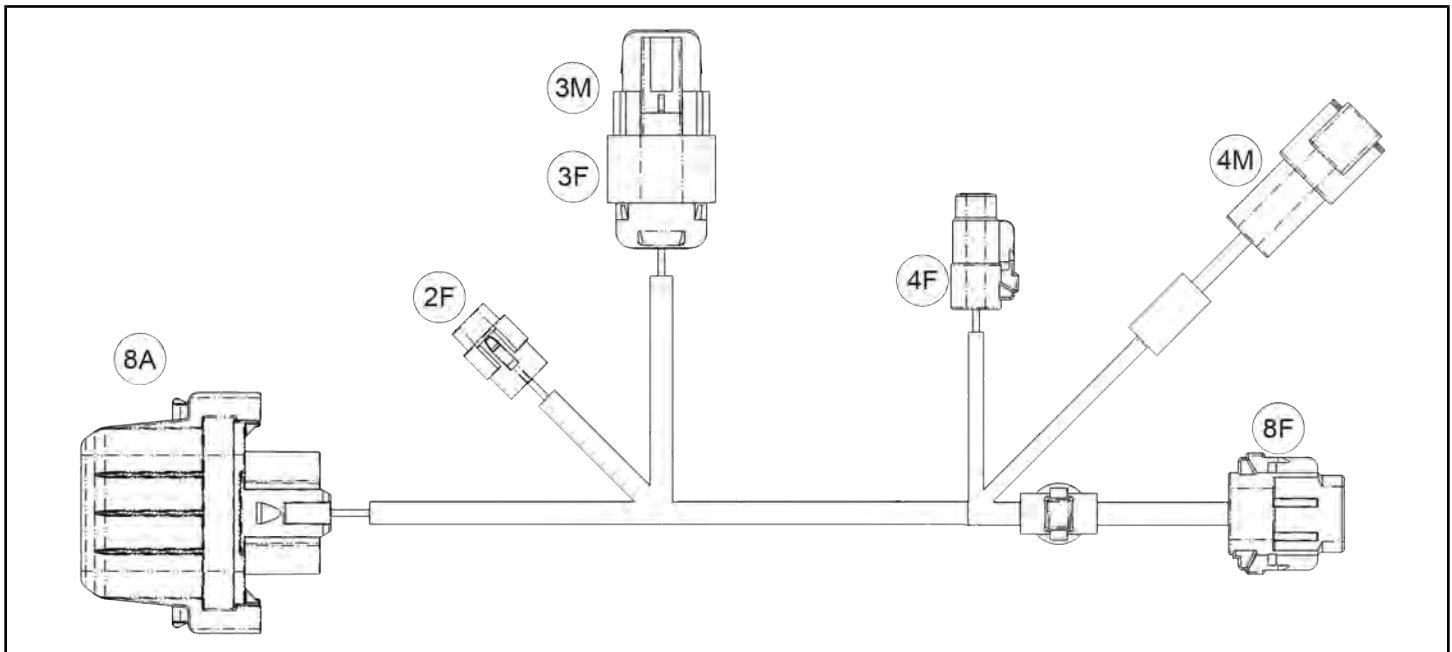


REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY	AVAILABLE SERVICE KIT
1	1	Assembly, Winch, 45 Pro DS, (Includes Attached Harness), (Kit P/N 2884838) Assembly, Winch, 45 Pro DS (Kit P/N 2884837)	2639086 2639085	n/a
2	4	Screw, Hex Socket Head, M10 x 1.5 x 150 mm	7528027	2208898
3	4	Washer, Steel, M10 x 20 x 2 mm	7558782	2208898
4	1	Switch, Winch	4080801-13	n/a
5	1	Nut, Hex Flange Head, M6, Serrated	7547270	2208898
6	1	Assembly, Receiver, Autostop Box (Kit P/N 2884838 only)	n/a	2890454

REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY	AVAILABLE SERVICE KIT
7	4	Screw, Torx® Pan Head #14 x 0.75 in, Self Threading	7519731	n/a
8	1	Harness, Winch Control	2416944	n/a
9	2	Screw, Torx® Pan Head, #10 x 3/4, Self Threading	n/a	2889561
10	1	Holder, Remote, Wireless Winch	n/a	2889561
11	1	Remote, Winch, Wireless	n/a	2889561

HARNESS DETAIL

WINCH CONTROL HARNESS ⑧



REF	PART DESCRIPTION	CONNECTS TO
8A	Fuse Block	n/a
2F	Auto-Stop Connector	Auto Stop Harness
3F	Ride Command Connector	Ride Command Harness
3M	Ride Command Connector Blank Plug	Ride Command Connector 3F
4F	Contactor Connector	Contactor Harness
4M	Chassis Harness Connector	Chassis Harness
8F	Winch Controller Connector	Autostop/wireless receiver

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)
- Socket Set, Hex Bit, Metric

- Socket Set, Metric
- Socket Set, Torx® Bit

- Torque Wrench
- Wrench Set, Metric

IMPORTANT

Your 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

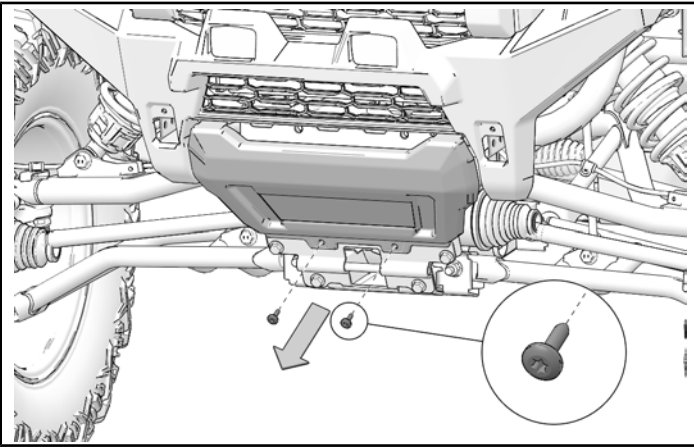
VEHICLE PREPARATION

GENERAL

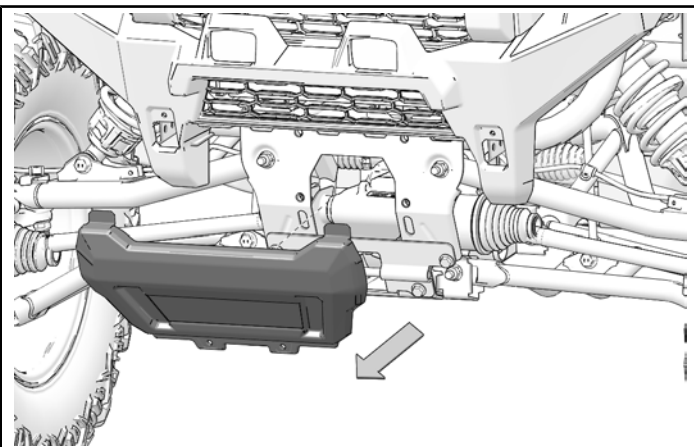
1. Park vehicle on a flat surface.
2. Shift vehicle into PARK.
3. Turn key to OFF position and remove key.

REMOVE WINCH COVER

1. Remove two screws from the bottom of winch cover.

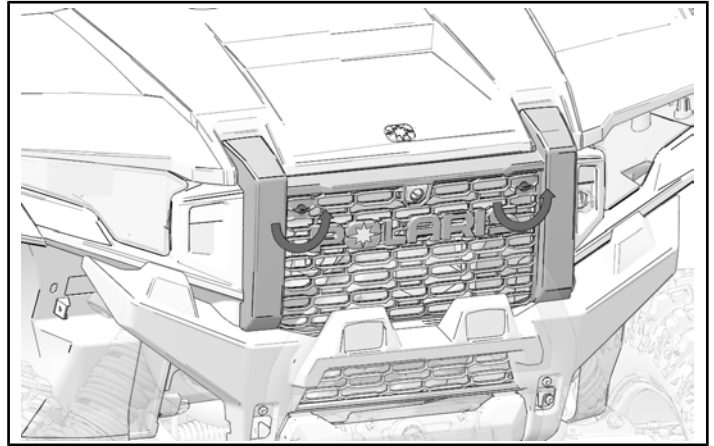


2. Pull bottom of winch cover down to disengage the top tabs. Remove winch cover.

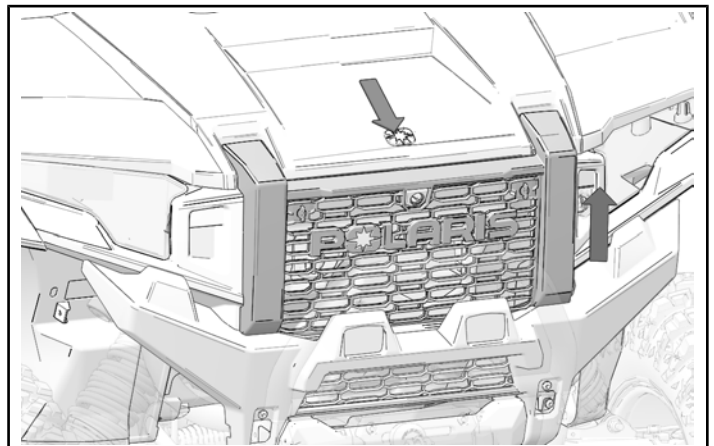


HOOD AND GRILL REMOVAL

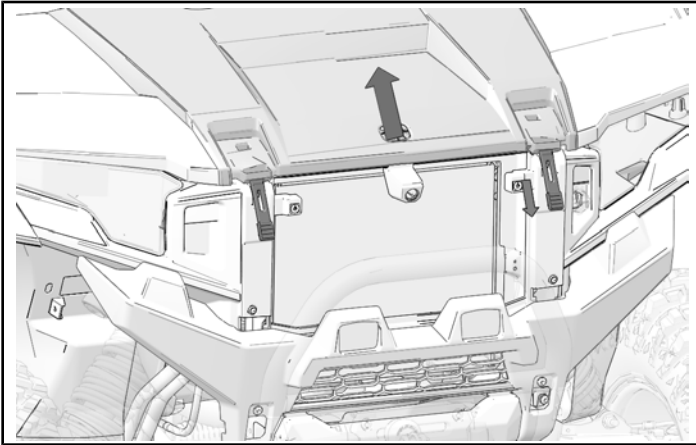
1. Turn each stud one-quarter of a turn to release the grill.



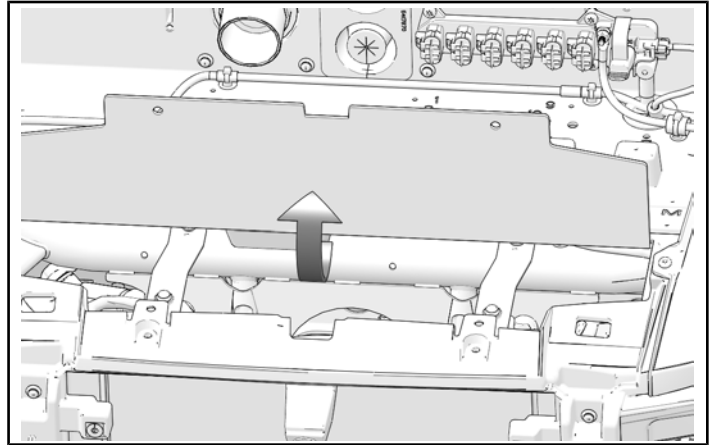
2. Pull the top of the grill forward and then lift up to remove the grill.



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

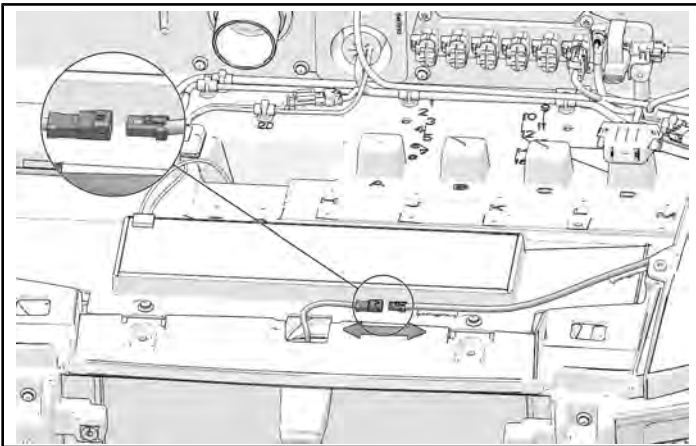


- Lift the front panel of the underhood liner to access the areas beneath.

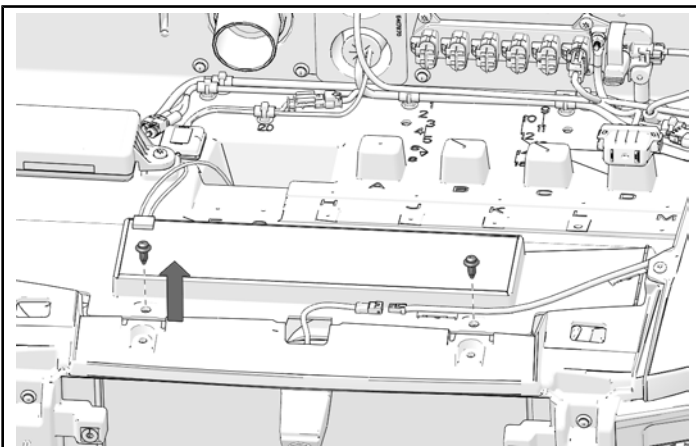


FRONT UNDERHOOD PANEL ACCESS DOOR

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

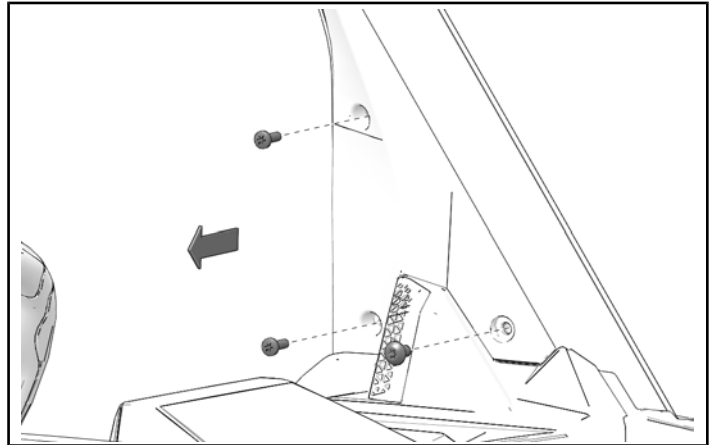


- Remove two push-pin rivets from the front of the underhood liner.

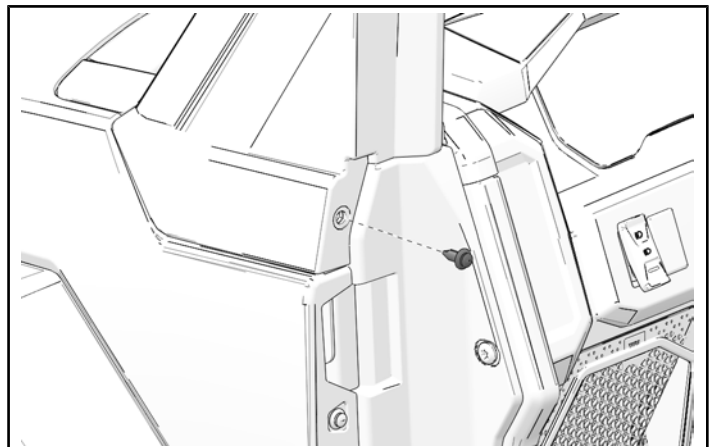


LEFT SAIL PANEL REMOVAL

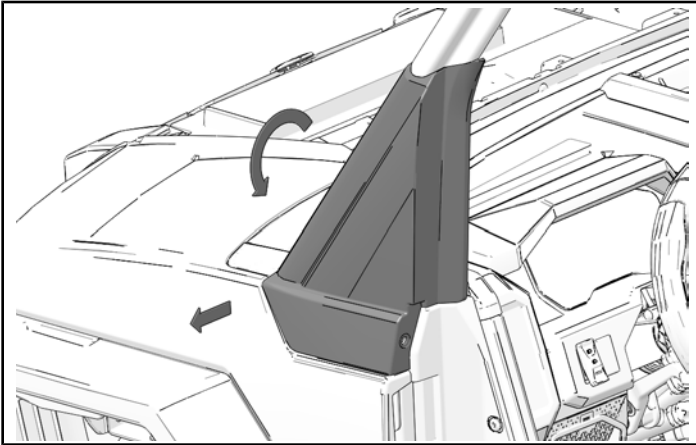
- Open left front door.
- Remove three screws from the inner side of the sail panel.



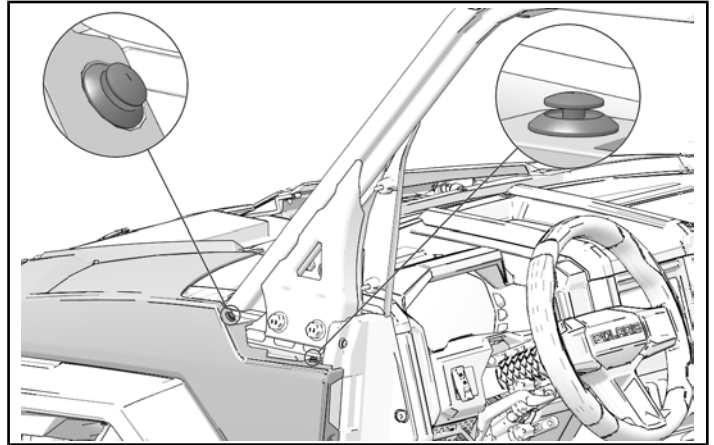
- Remove push pin rivet from outer sail panel.



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

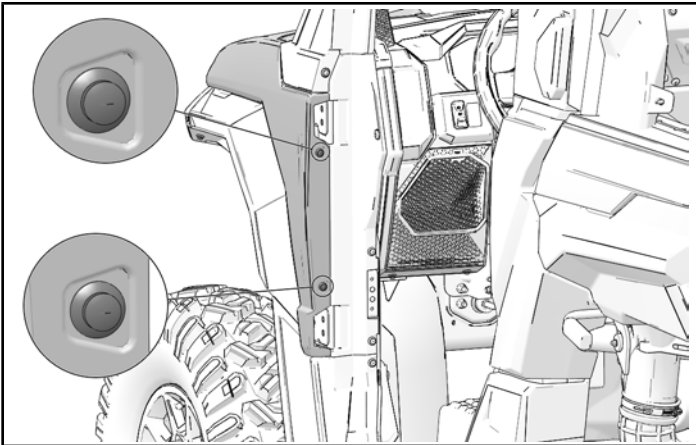


3. Remove and keep two push pin rivets from top of front fender.

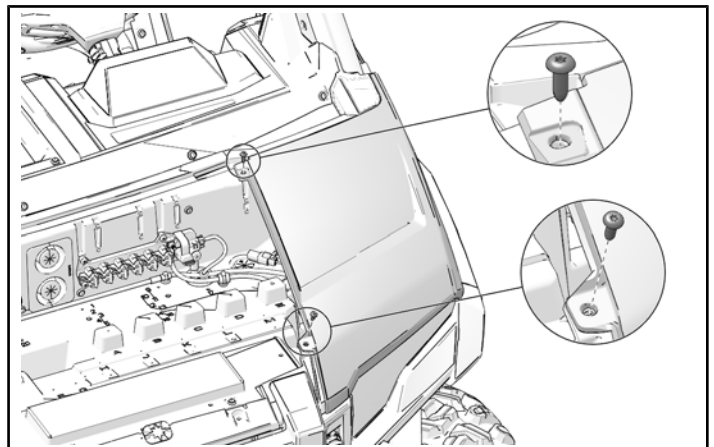


LEFT FRONT FENDER REMOVAL

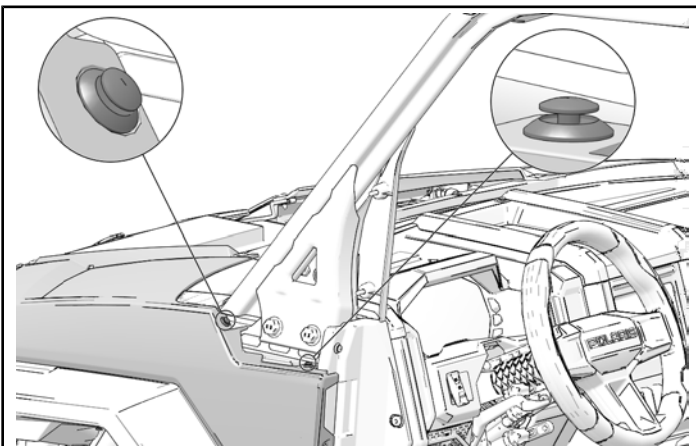
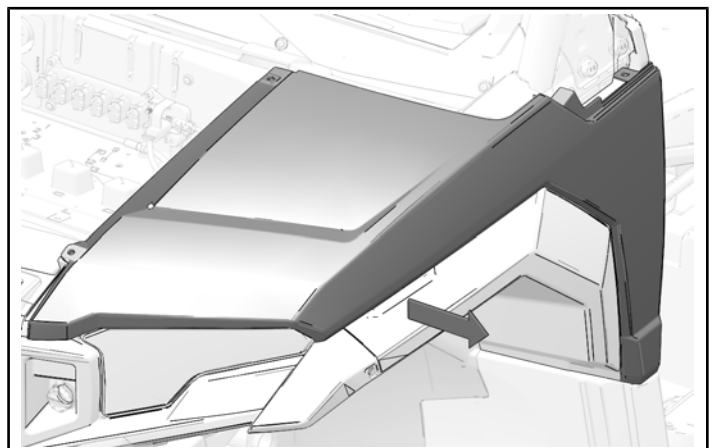
1. Open left front door.
2. Remove and keep two push pin rivets from rear edge of front fender.



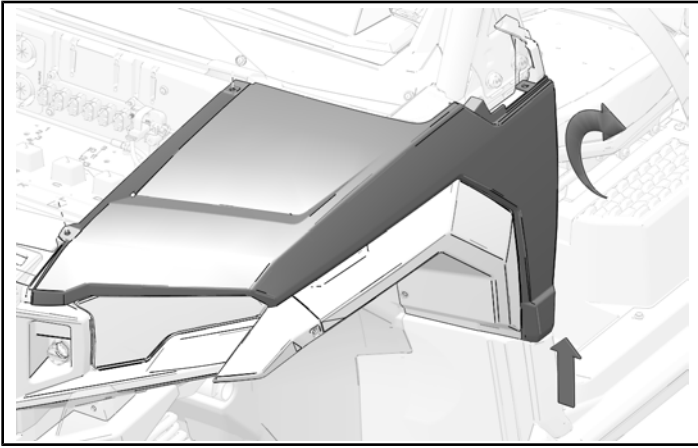
4. Remove and keep two screws from front fender.



5. Pull fender outward to disengage upper tabs.



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



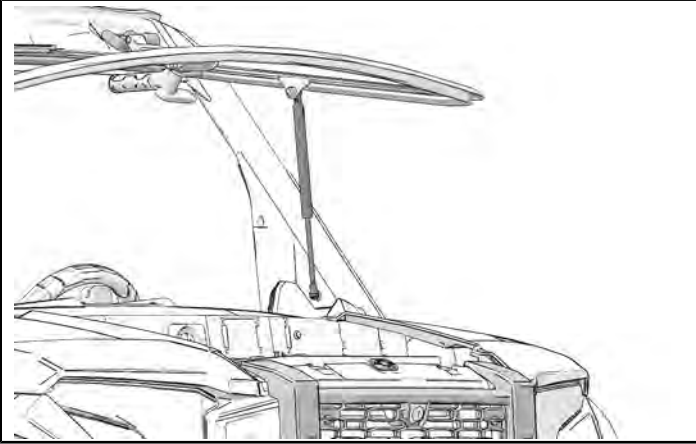
CENTER DASH PANEL REMOVAL

VEHICLES WITH TIP-OUT WINDSHIELD

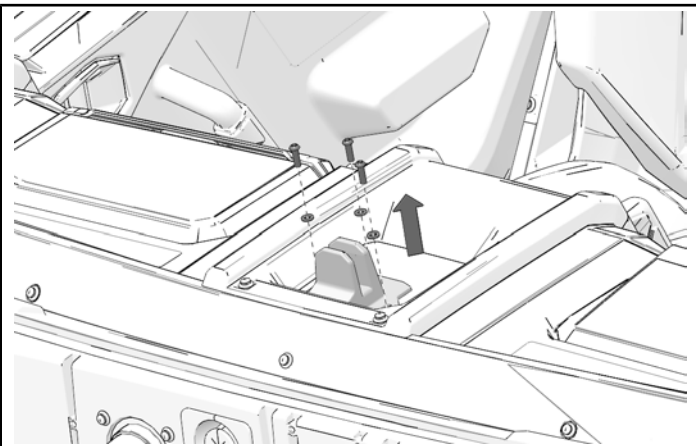
NOTICE

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

1. Open tip-out windshield.

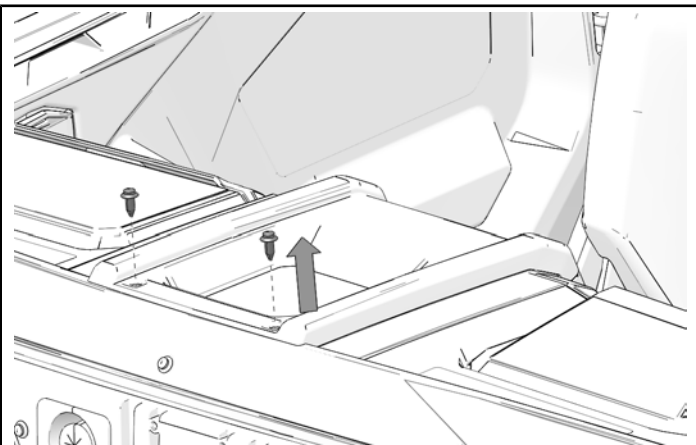


2. Remove and keep three screws and washers. Remove and keep windshield base.

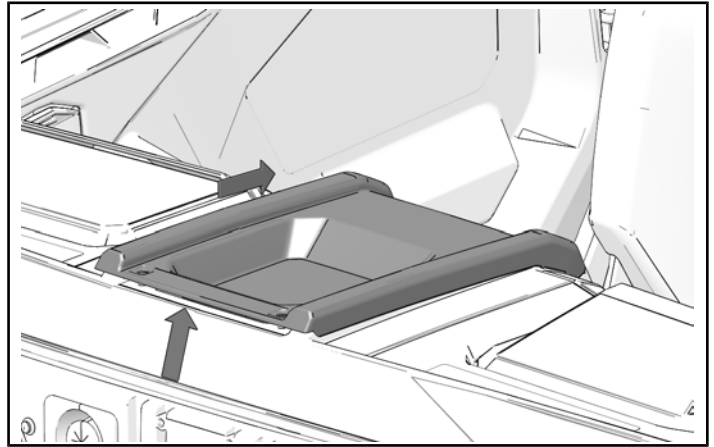


PANEL REMOVAL

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



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



HEAD UNIT REMOVAL

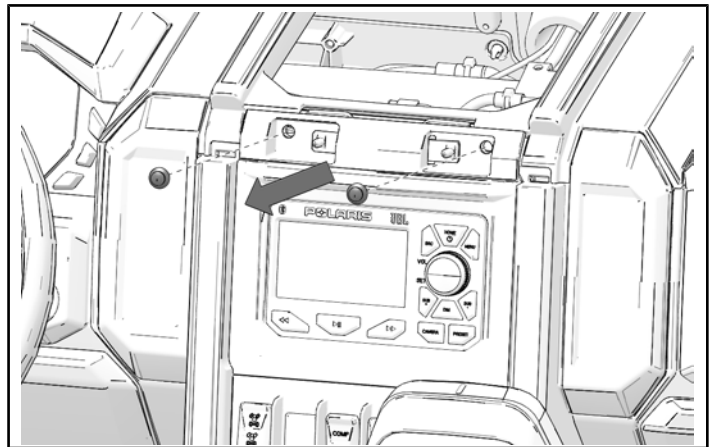
NOTICE

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.

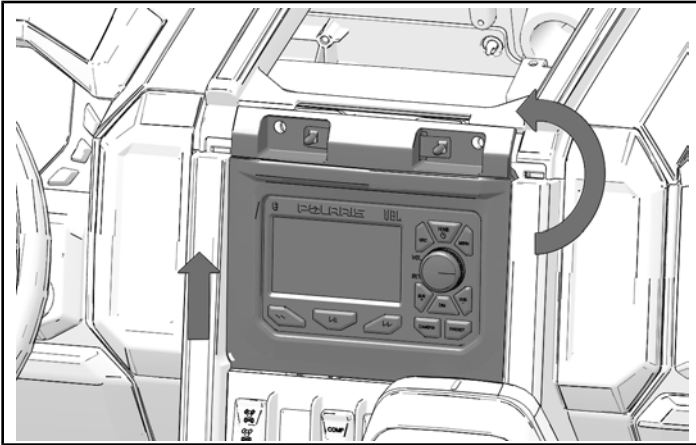
NOTICE

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

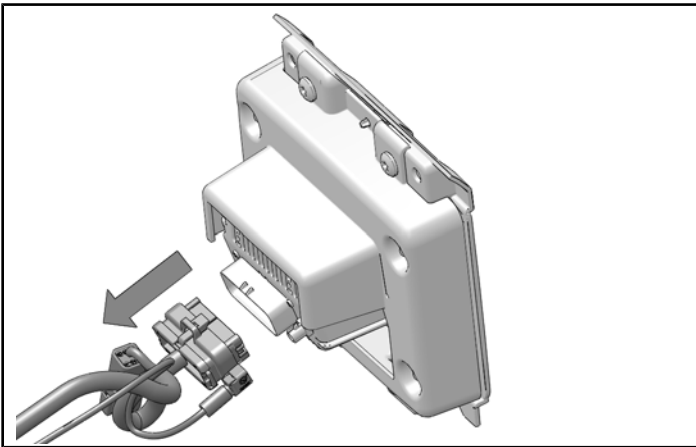
1. Remove and keep two push-pin rivets from top of the head unit.



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



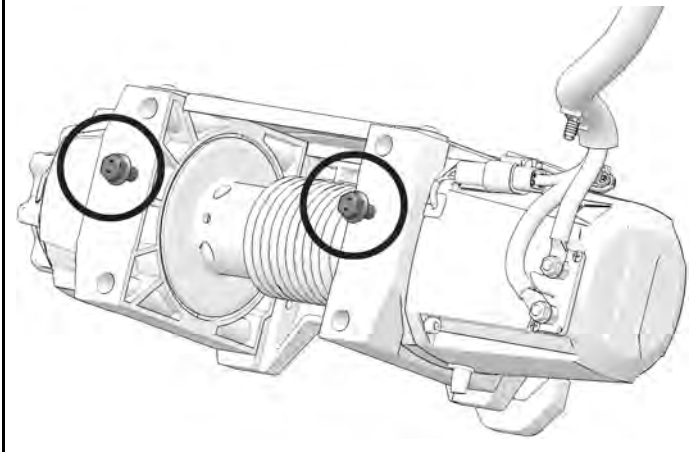
3. Disconnect wiring harness and antenna from head unit. Remove and keep head unit.



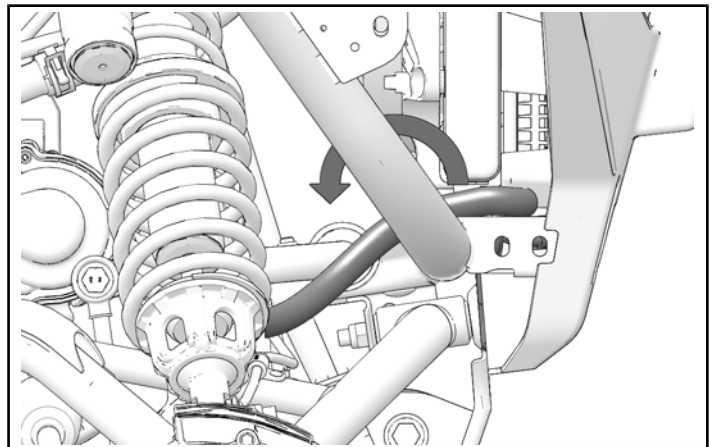
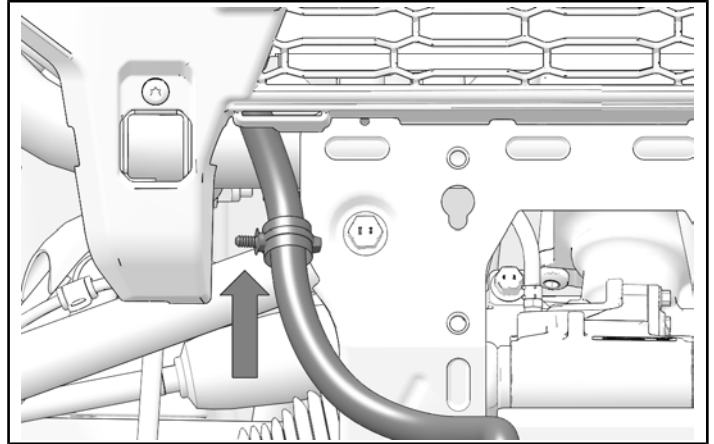
ACCESSORY INSTALLATION

IMPORTANT

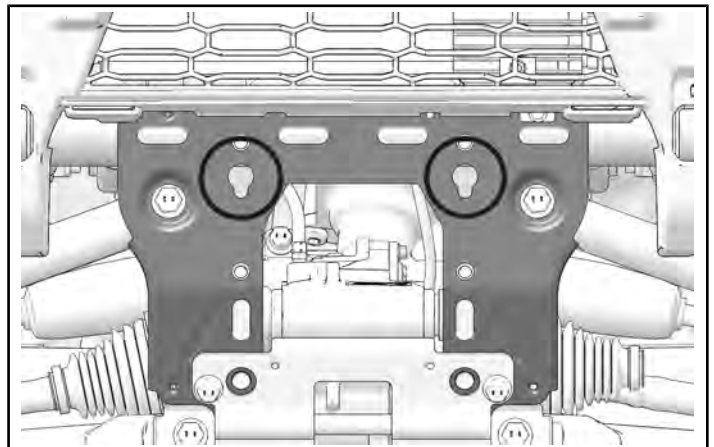
The back of the winch has two bolts protruding from the housing. (Circled in image below). Do **NOT** tighten bolts or damage to winch may occur.



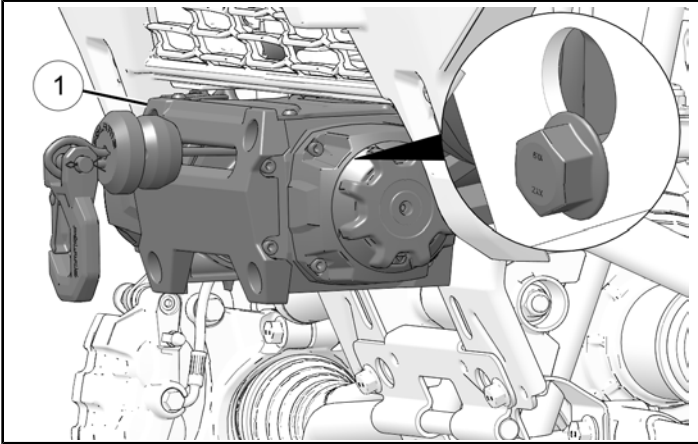
1. Set the winch assembly in front of the vehicle and route the winch harness through the bumper and over the frame.



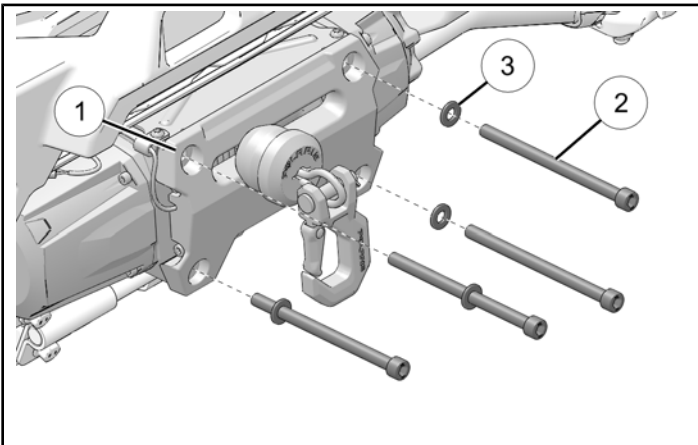
2. Locate two notched holes in winch mounting location.



3. Install winch assembly ① onto notched holes and pull wire harness through as winch is moved into place.



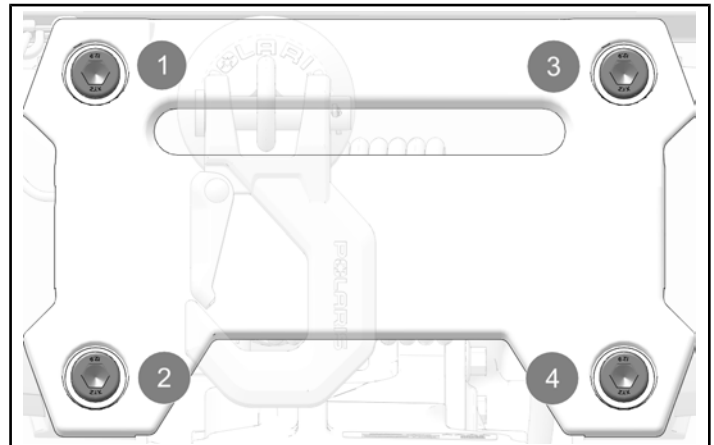
4. Make sure harness is not pinched anywhere between the winch and the frame.
5. Loosely attach winch ① to mount with four new screws ② and washers ③. Tighten screws until fully seated.



6. Torque screws to specification in the order shown below.

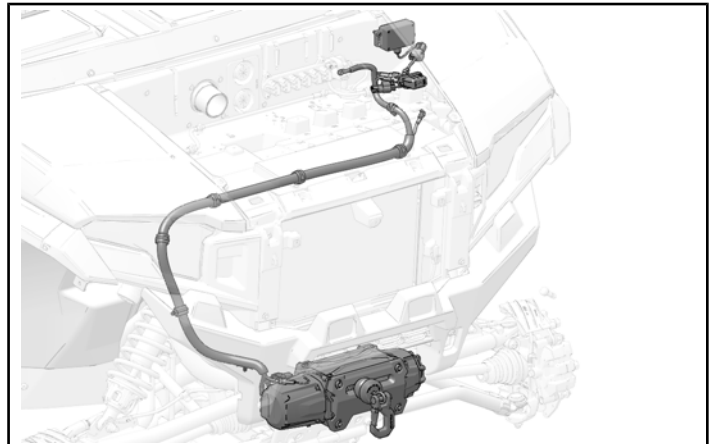
TORQUE

Winch Mounting Screws ②:
60 ft-lbs (81 N·m)



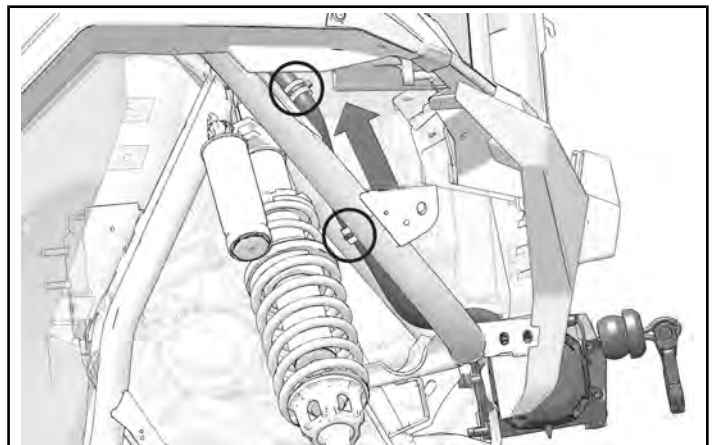
WIRE HARNESS ROUTING

WIRE HARNESS ROUTING OVERVIEW

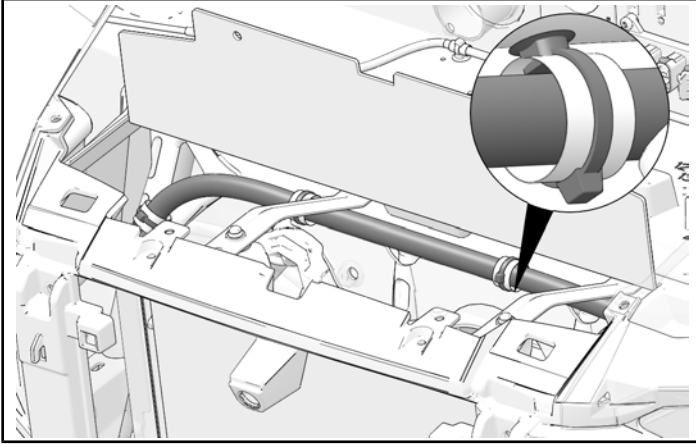


WIRE HARNESS ROUTING

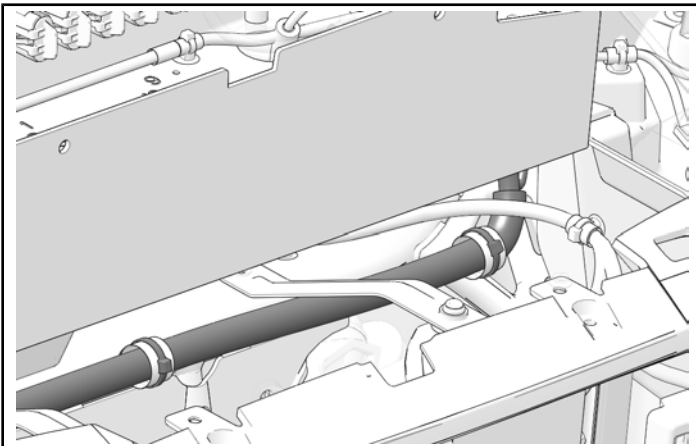
1. Route winch harness up frame tube as shown. Install cable tie clips onto frame tube as shown.



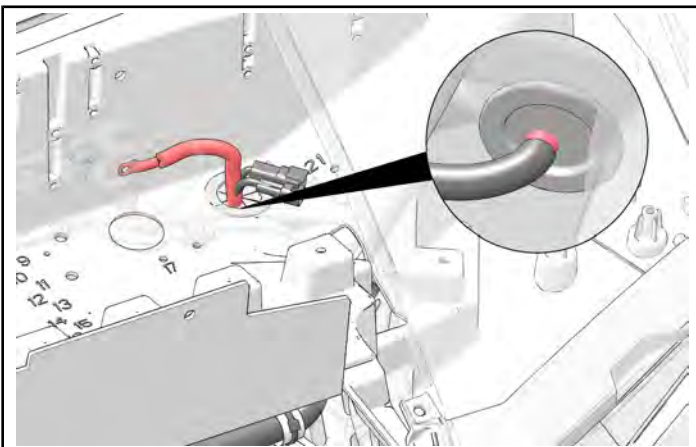
2. Route harness across top of core support as shown. Install cable tie clips into core support as shown.



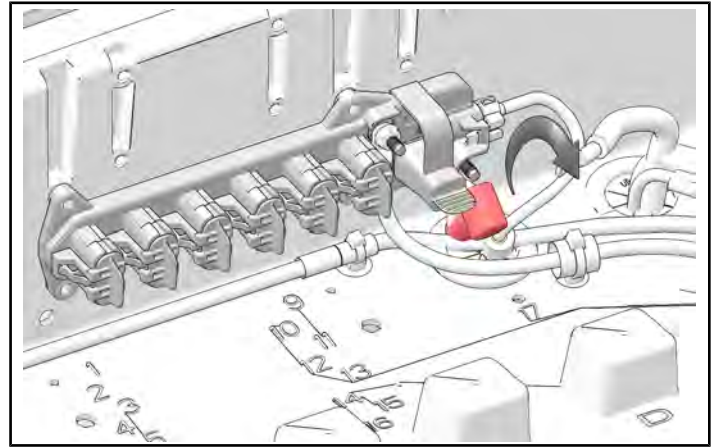
3. Continue to route harness along top of core support. Install cable ties as shown.



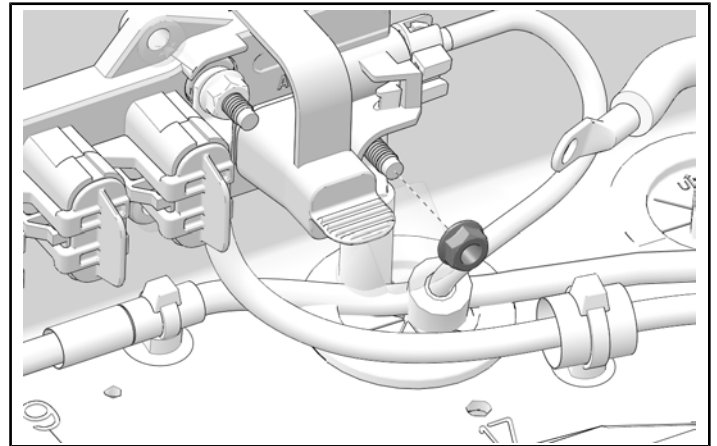
4. Locate outer rubber grommet in upper tray and insert end of harness with power cable and multiple connectors through grommet.



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



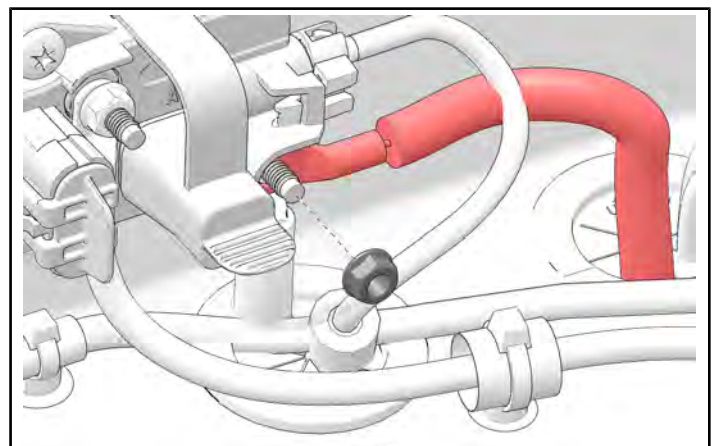
6. Remove and keep nut from positive Pulse® bar terminal ring.



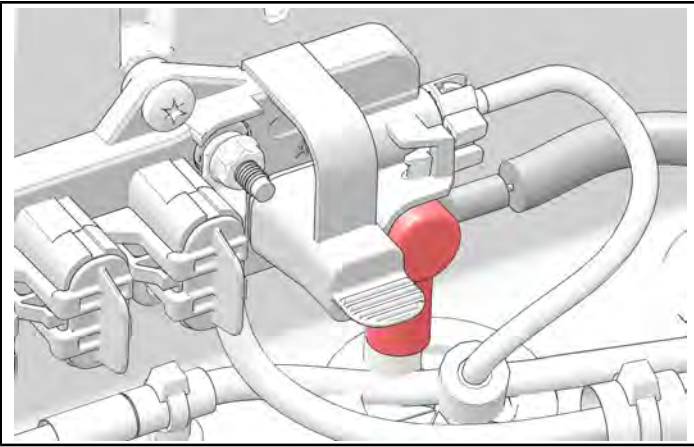
7. Install terminal ring end of positive cable (red) to Pulse® bar stud. Attach with retained nut and torque nut to specification.

TORQUE

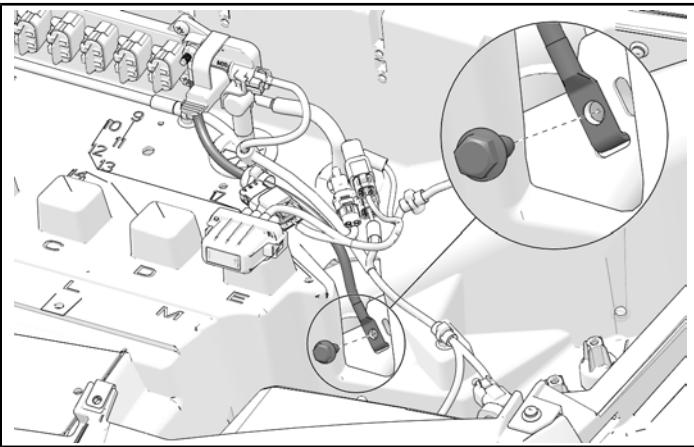
Pulse Bar® Positive Nut:
44 in-lbs (5 N·m)



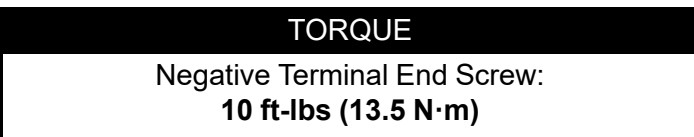
8. Install rubber boot onto positive terminal post.



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

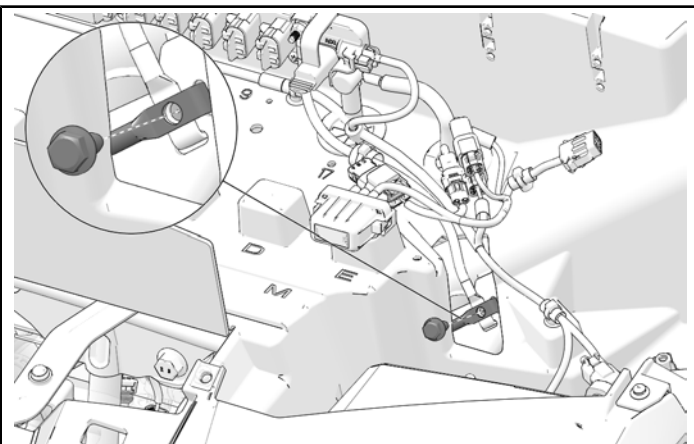


10. Install negative terminal end (black wire) so center hole lines up and it is 90° off from the already present terminal. Attach with kept screw and torque to specification.

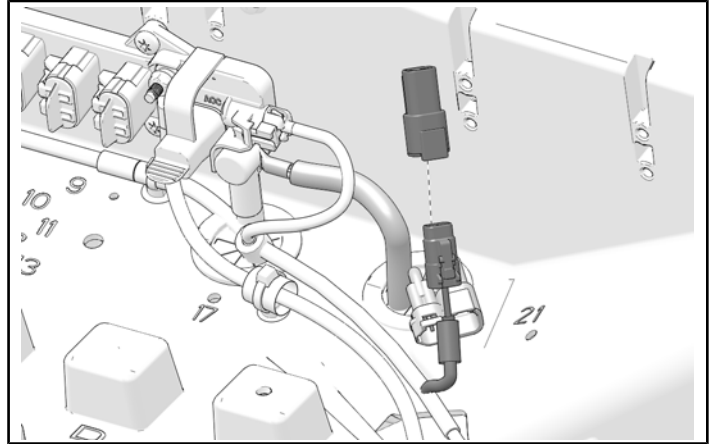


TORQUE

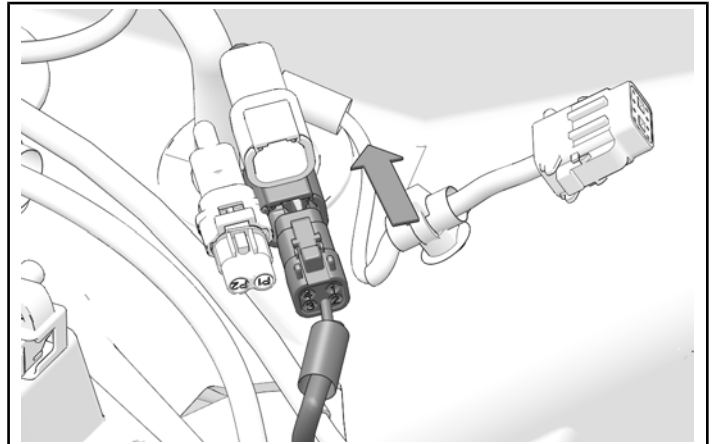
Negative Terminal End Screw:
10 ft-lbs (13.5 N·m)



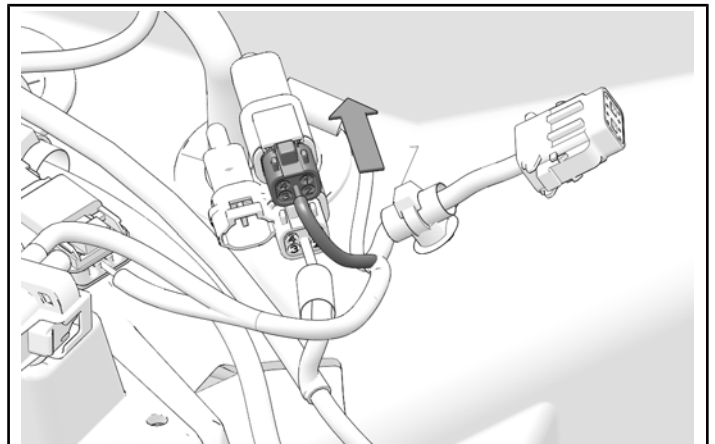
11. Locate the four-pin connector on the chassis harness near the pulse bar and remove the blank plug from the connector.



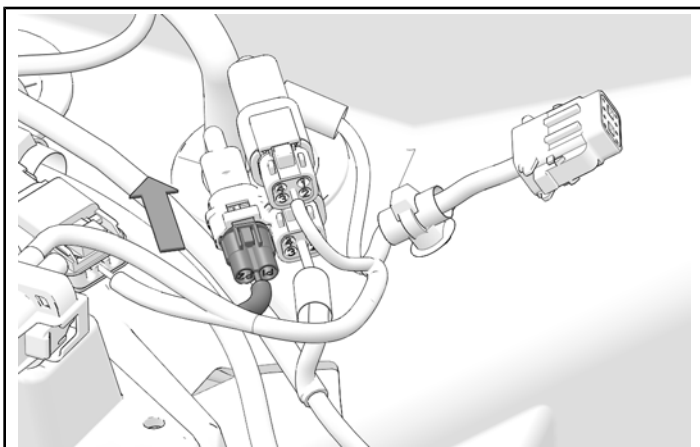
12. Connect chassis harness connector to matching winch harness connector.



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



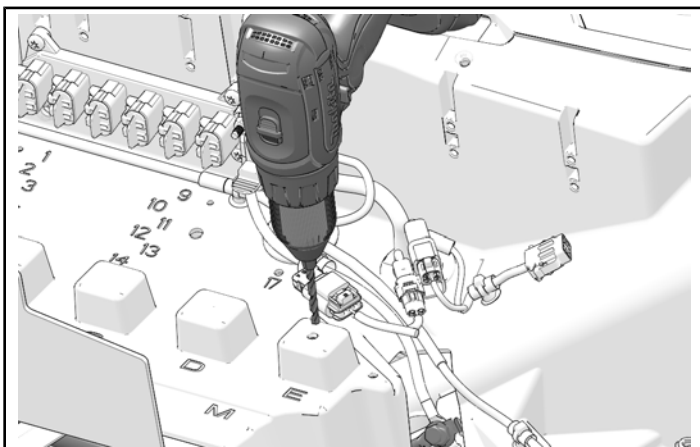
14. Connect contactor connector into the mating connector of the main winch harness.



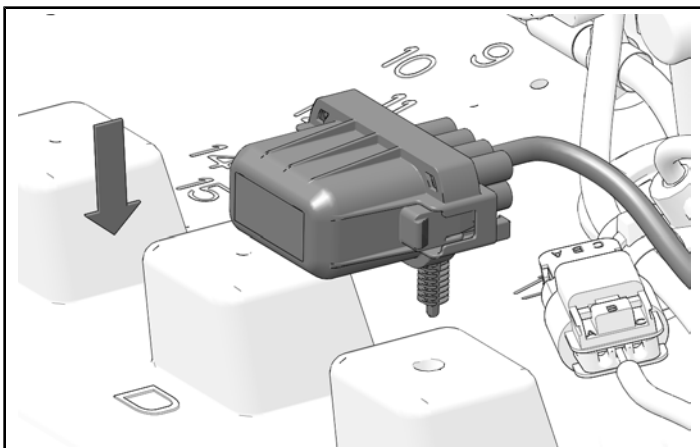
15. Locate the dimple in the "E" mounting point and drill a hole.

MEASUREMENT

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

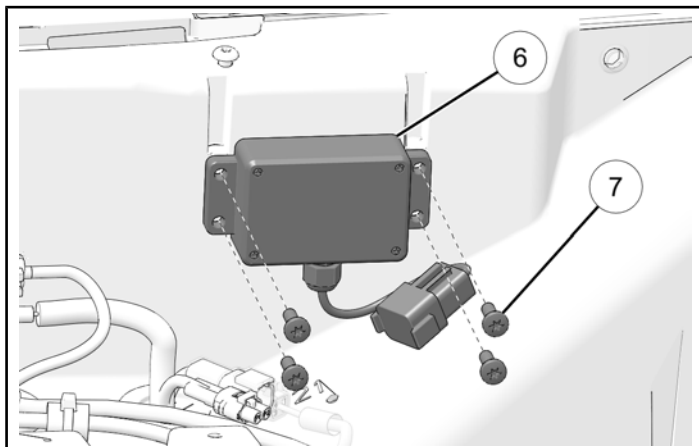


16. Clip the fuse block into the "E" mounting point.

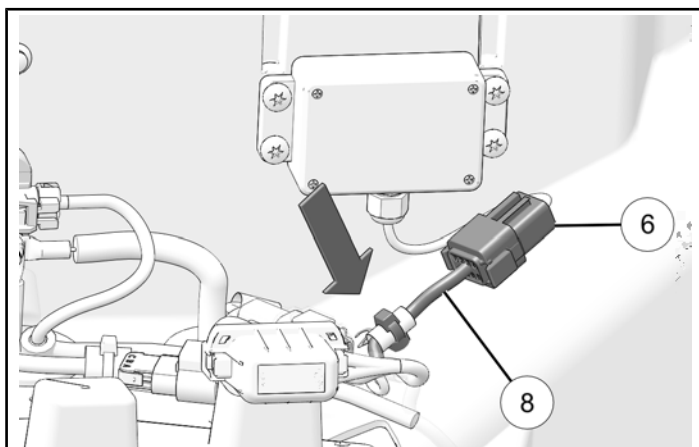


AUTOSTOP BOX INSTALLATION (FOR KIT 2884838 ONLY)

1. Install the autostop box ⑥ to the mounting holes as shown and attach with four screws ⑦. Tighten screws until fully seated.

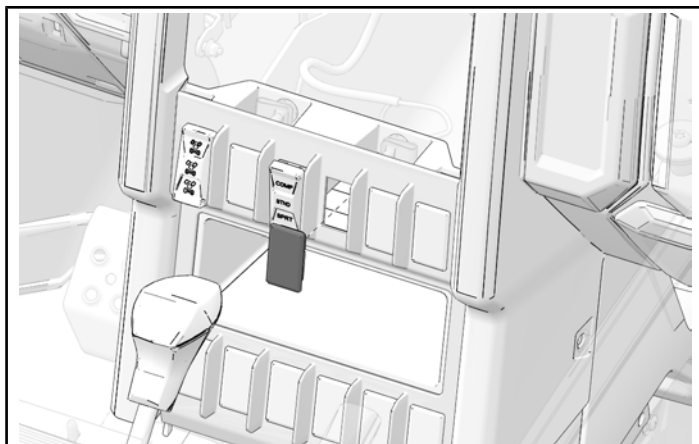


2. Attach autostop box connector ⑥ to winch control harness ⑧ as shown and clip harness to vehicle frame using fir tree clip.

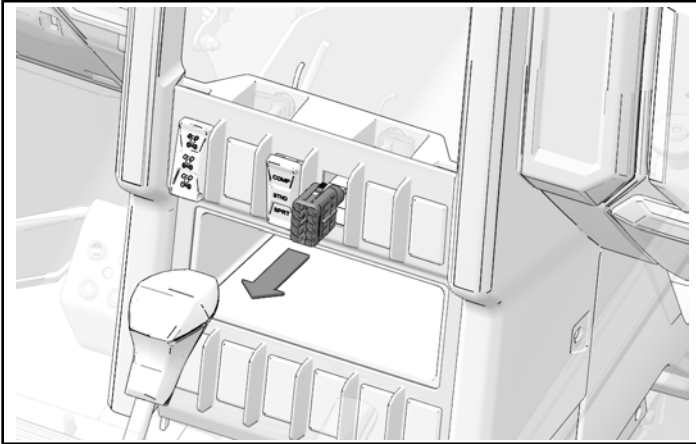


SWITCH INSTALLATION

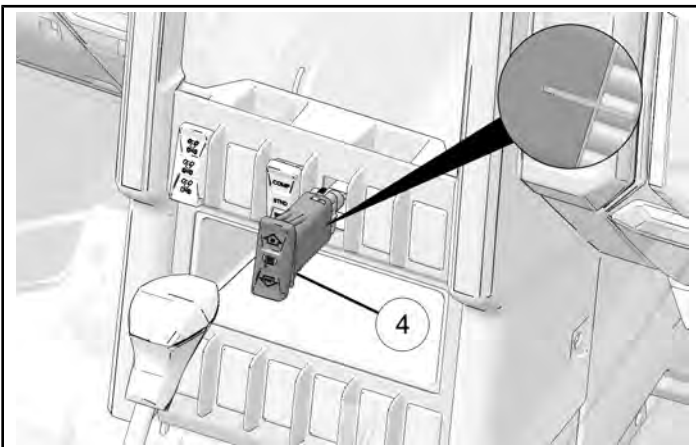
1. Remove the third from the right blank plug from switch block in dashboard.



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 (4) to open connector and install into blank opening in dash. Push into opening until a click is heard.



REMOTE CONTROL HOLDER INSTALLATION

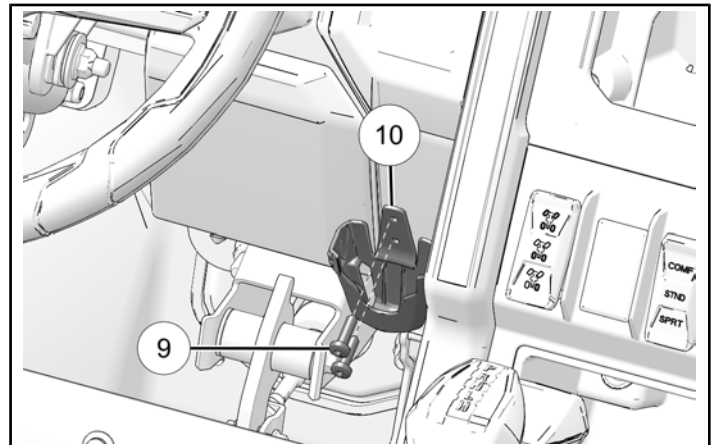
1. Mark desired remote holder location and drill two pilot holes. Attach remote control holder (10) to dashboard using two screws (9).

NOTICE

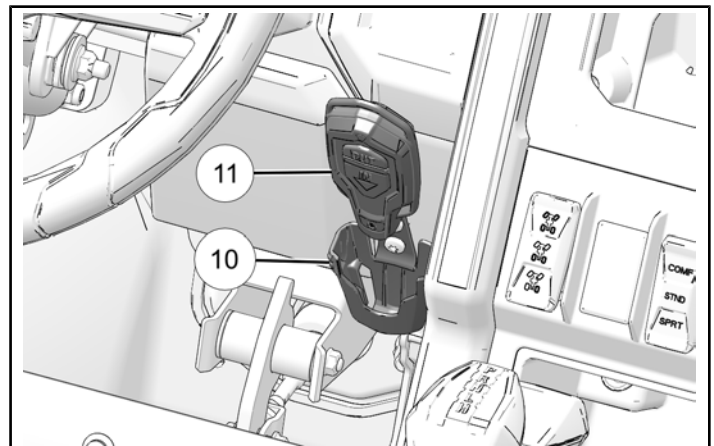
Polaris recommends this location for remote control holder.

MEASUREMENT

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



2. Put remote control (11) into remote control holder (10).



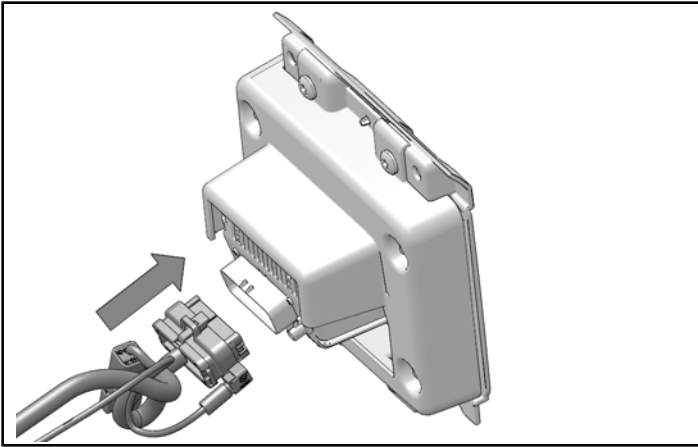
VEHICLE REASSEMBLY

HEAD UNIT INSTALLATION

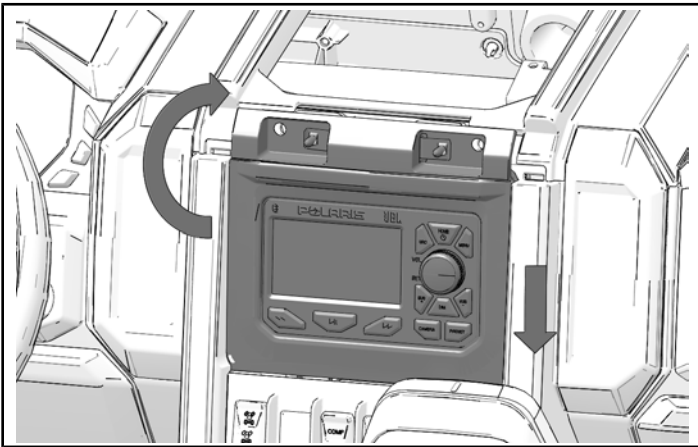
NOTICE

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

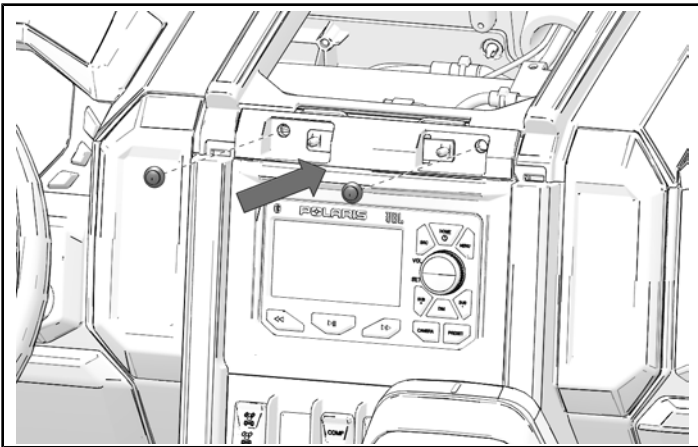
1. Connect wiring harness and antenna to head unit.



2. Lower bottom of head unit into position. Rotate the top of the head unit into the dash.

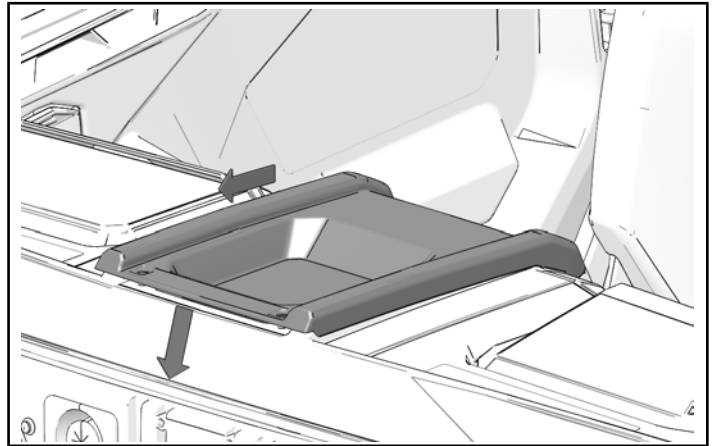


3. Install two push-pin rivets into top of head unit.

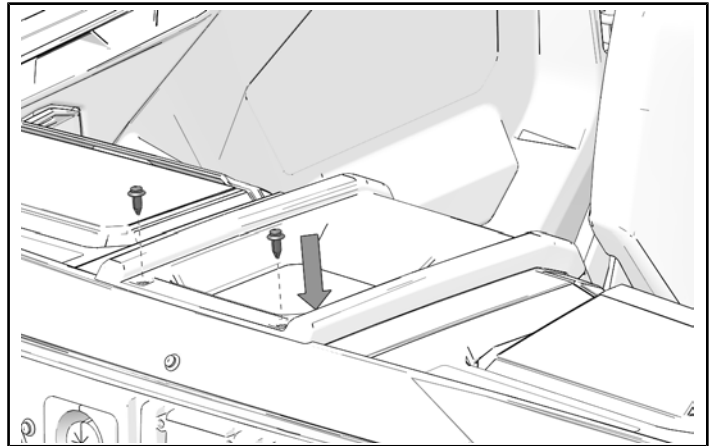


CENTER DASH PANEL INSTALLATION

1. Install center panel by inserting the rear tabs into dash, then lowering into position.



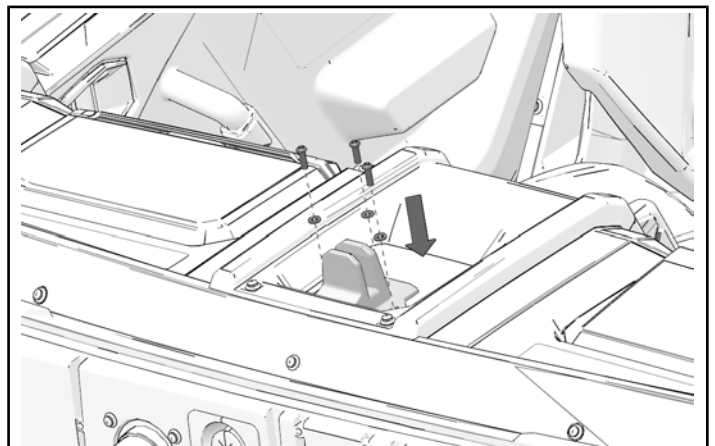
2. Install two push-pin rivets.



3. If vehicle is equipped with tip-out windshield. Install base, three screws, and washers. Tighten screws to specification.

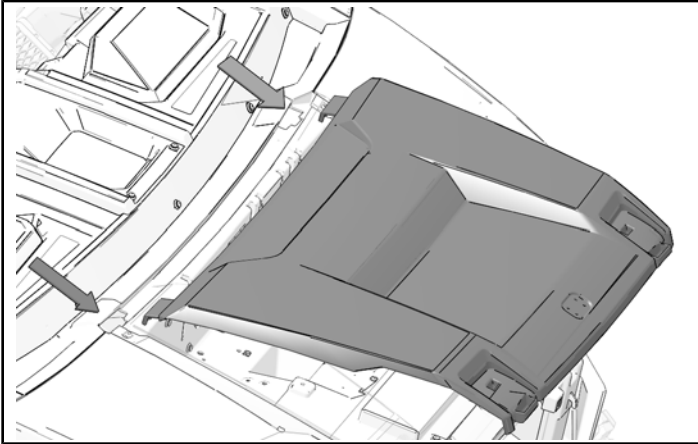
TORQUE

Base Screws:
89 in-lbs (10 N·m)

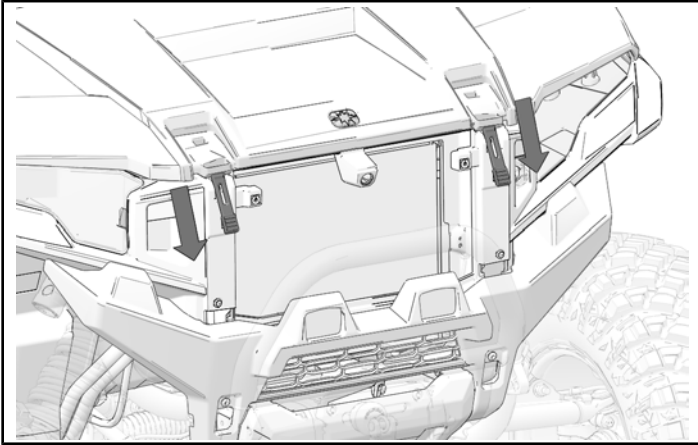


HOOD AND GRILL INSTALLATION

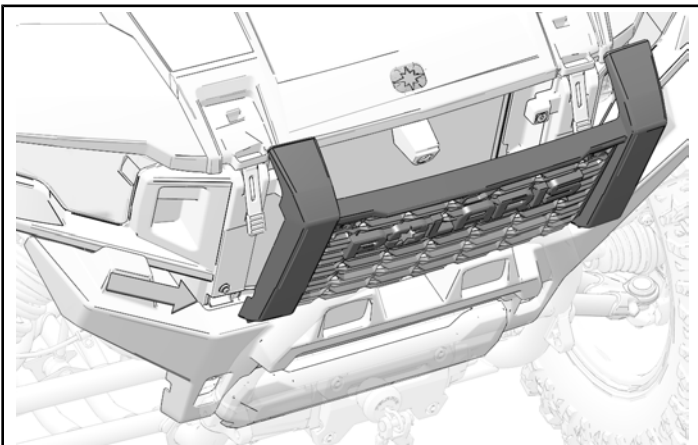
1. Insert the tabs on the hood through the openings in the underhood liner. Then lower the hood into position.



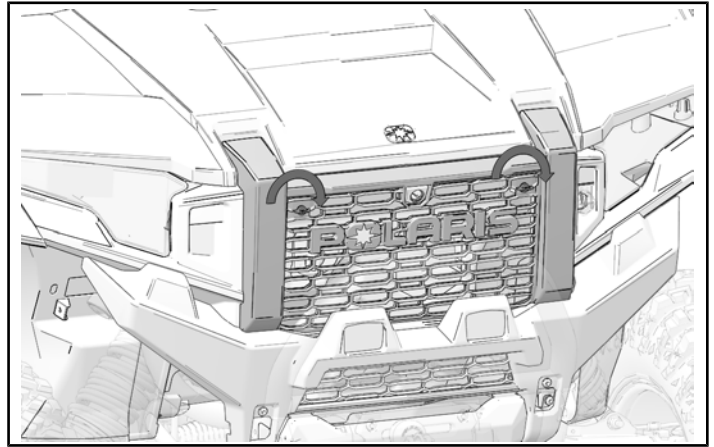
2. Pull the rubber straps down over the hooks to secure the hood.



3. Insert tabs on the grill through the openings in the front fascia. Push the top of the grill into the proper position.

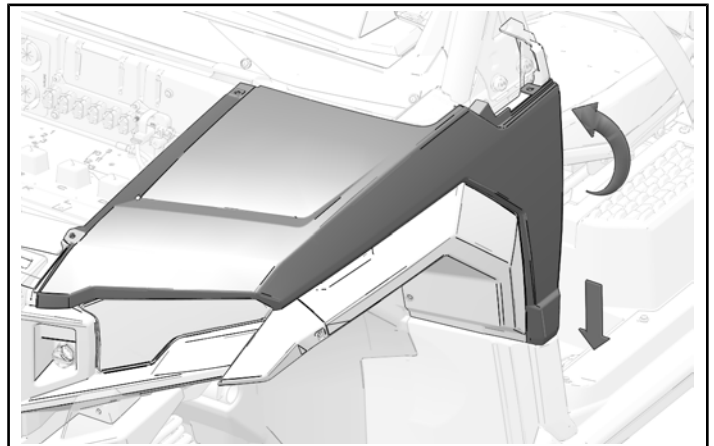


4. Push each stud in and turn one-quarter turn clockwise to secure the grill.

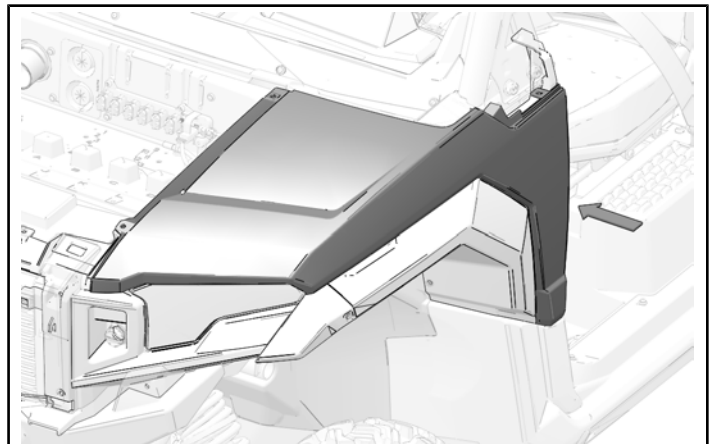


LEFT FRONT FENDER INSTALLATION

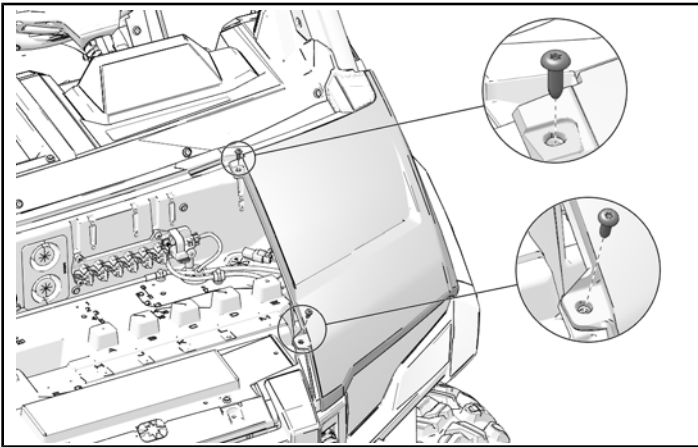
1. Turn and lower the fender to engage lower tab.



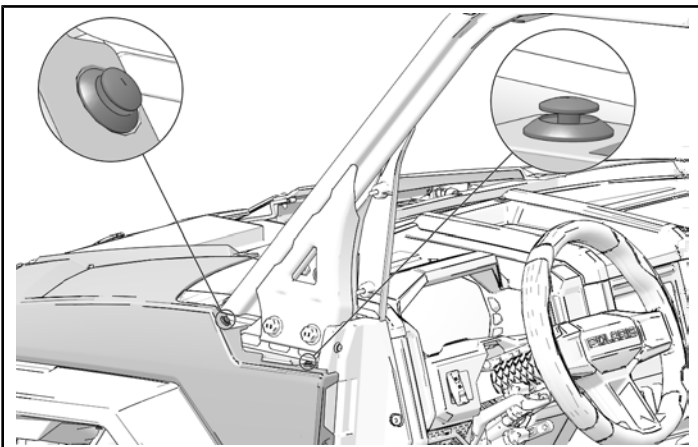
2. Push fender inward to engage upper tabs.



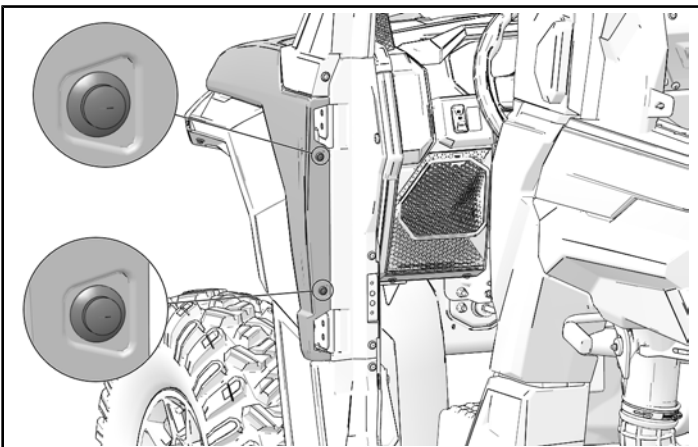
3. Install two screws in front fender. Tighten until fully seated



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

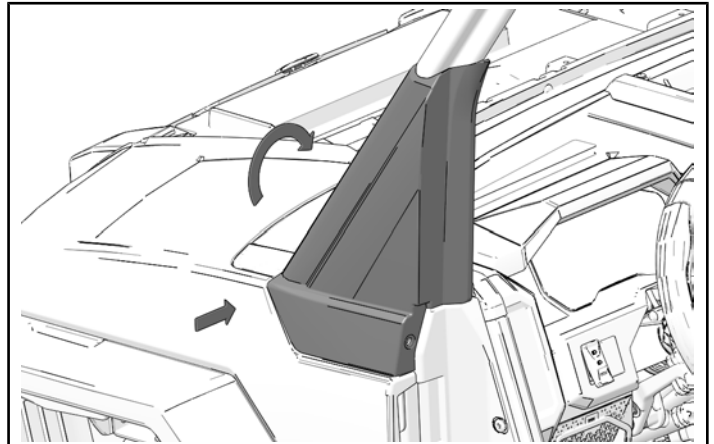


5. Install two push pin rivets in rear edge of front fender.



LEFT SAIL PANEL INSTALLATION

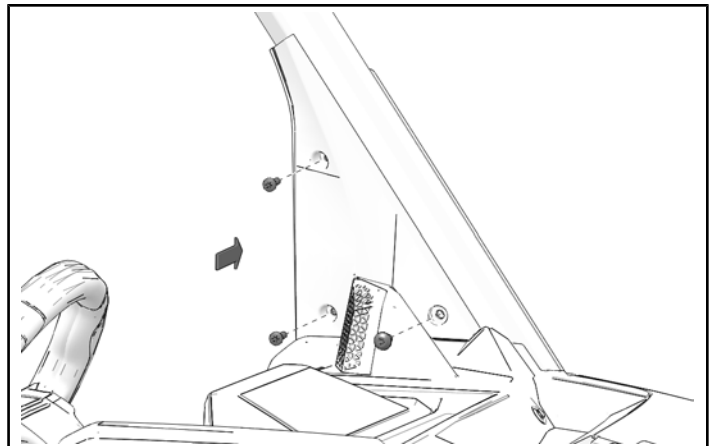
1. Install front edge of outer sail panel by pushing panel inward and turning toward rear.



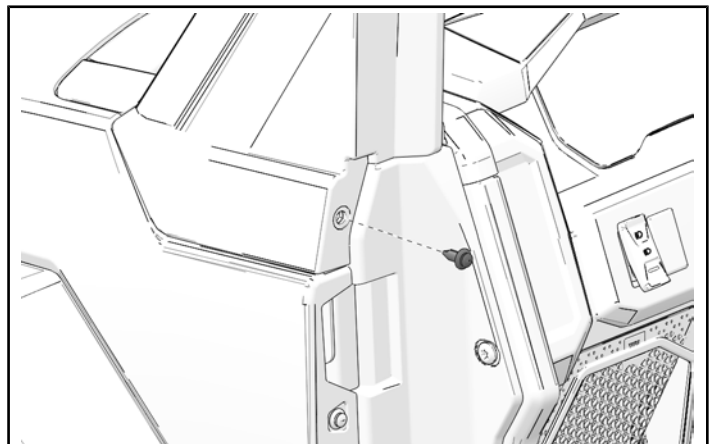
2. Attach inner sail panel using three screws and torque screws to specification.

TORQUE

Screws:
22 in-lbs (2.5 N·m)



3. Install push pin rivet.

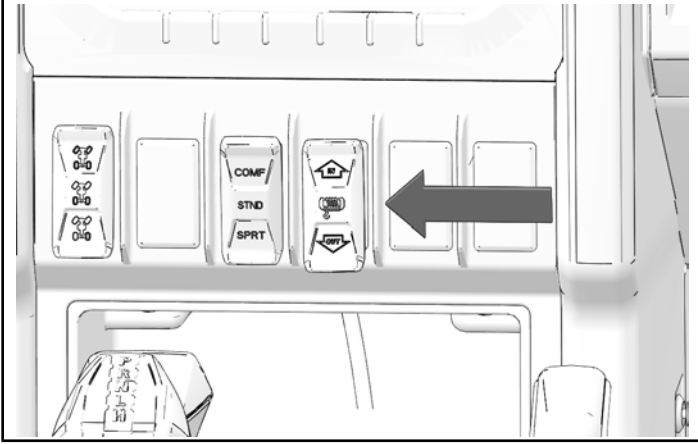


OPERATION

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.

