

50" LIGHT BAR KIT



P/N 2891642; 2891803; 2891990

BEFORE YOU BEGIN

Before beginning assembly, inspect the kit and its component(s) to be sure all parts and tools are accounted for and not damaged. If missing parts or parts are damaged, please contact your Selling Dealer for assistance.

If your accessory was purchased online, please contact POLARIS customer service at **1-800-POLARIS** (US & Canada only).

APPLICATION

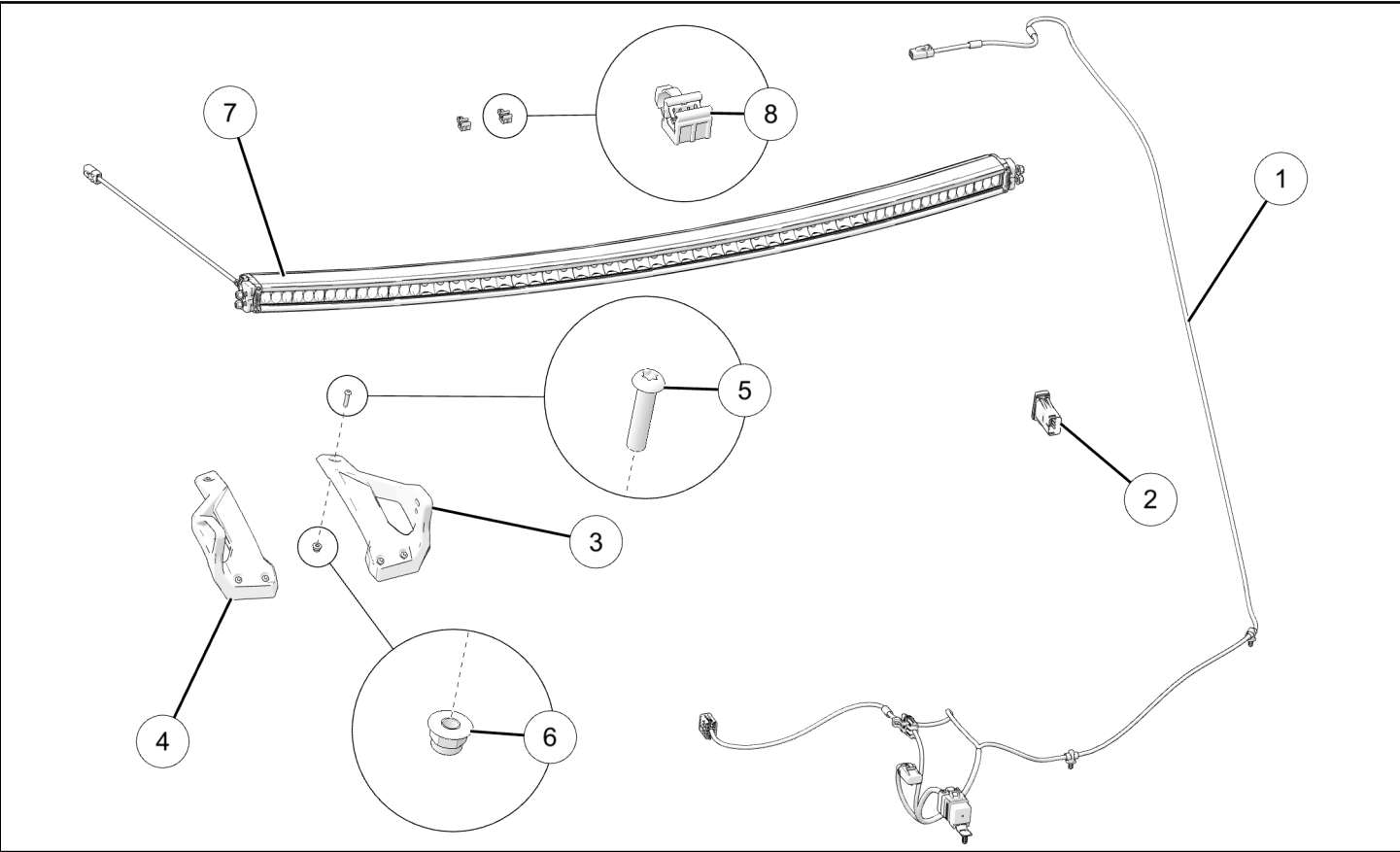
Verify accessory fitment at www.polaris.com.

REQUIRED SOLD SEPARATELY

Only parts for installation of the 50" Light Bar Kit are included. For complete installation, the following additional kit is required (sold separately):

- *Light Bar Harness Kit*, P/N 2891990

KIT CONTENTS

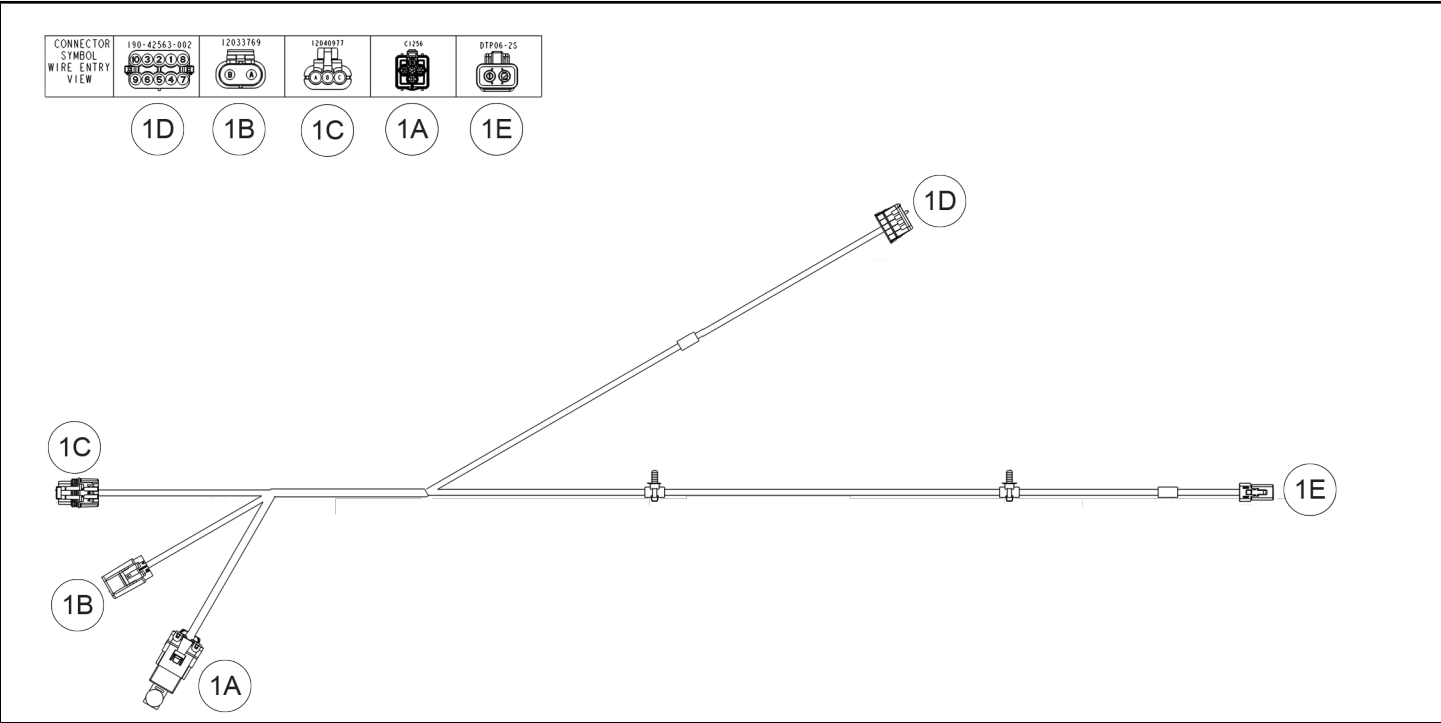


REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY
1	1	Light Bar Harness (sold separately)	2418594
2	1	Light Bar Switch	4080801-21

REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY
3	1	Light Bar Mount, Left	5639907-458
4	1	Light Bar Mount, Right	5639908-458
5	6	Screw, Torx® Button Head M6 x 1.0 x 25 mm	7527947-25
6	6	Nut M6 x 1.0 mm	7548027
7	1	Assembly, Light Bar	2891803
8	2	Clip, Edge	7081876

HARNESS DETAIL

LIGHT BAR HARNESS ①



REF	PART DESCRIPTION	CONNECTS TO
1A	Connector, Black, 5F	n/a
1B	Connector, Black, 2F	n/a
1C	Connector, Black, 3F	Polaris Pulse® Bar
1D	Connector, White, 10F	Lightbar Switch ②
1E	Connector, Black, 2F	Lightbar Connector

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)
- Drill Bit, Step
 - 1 1/16
 - Fish Tape (or equivalent)
 - Paint Pen or Marker

- Pliers, Push-Pin Rivet
- Socket Set, Metric

- Torque Wrench
- Wrench Set, Metric

IMPORTANT

Your 50" Light Bar Kit is exclusively designed for your vehicle. Please read the installation instructions completely before beginning. Installation is simpler if the vehicle is clean and free of debris. For your safety, and to make sure an acceptable installation, do all installation steps correctly in the sequence shown.

INSTALLATION INSTRUCTIONS

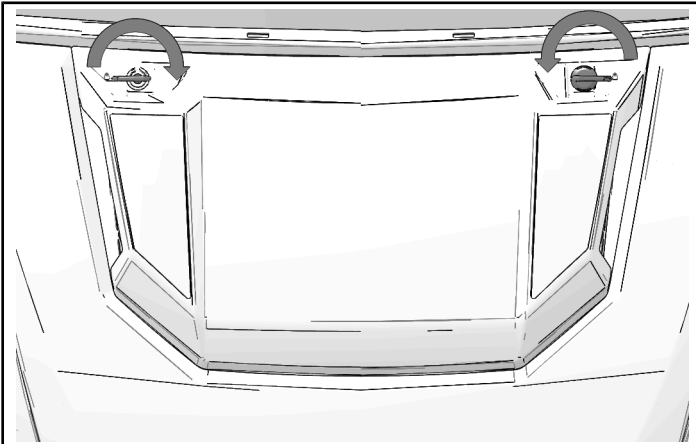
VEHICLE PREPARATION

GENERAL

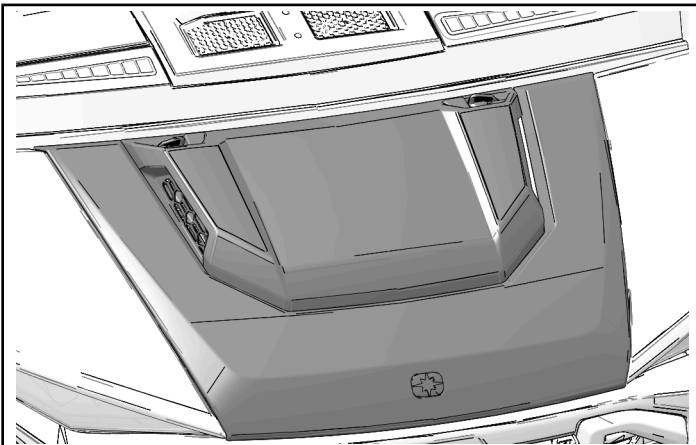
1. Park vehicle on a flat surface.
2. Shift vehicle into PARK.
3. Turn key to OFF position and remove key.

INNER HOOD REMOVAL

1. Turn knobs inward.

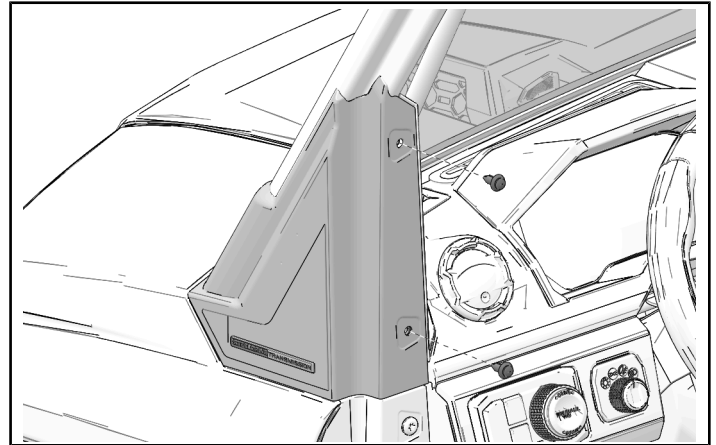


2. Move hood forward to release front hooks. Lift to remove.

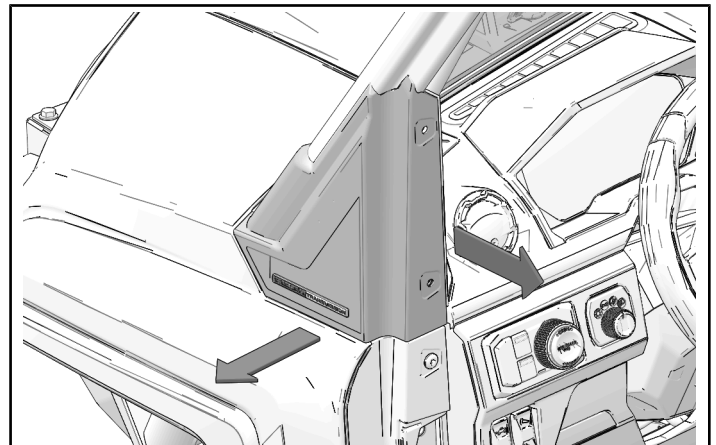


A-PILLAR OUTER COVER REMOVAL

1. Remove two push-pin rivets from A-pillar panel.



2. Remove A-pillar panel away from vehicle.

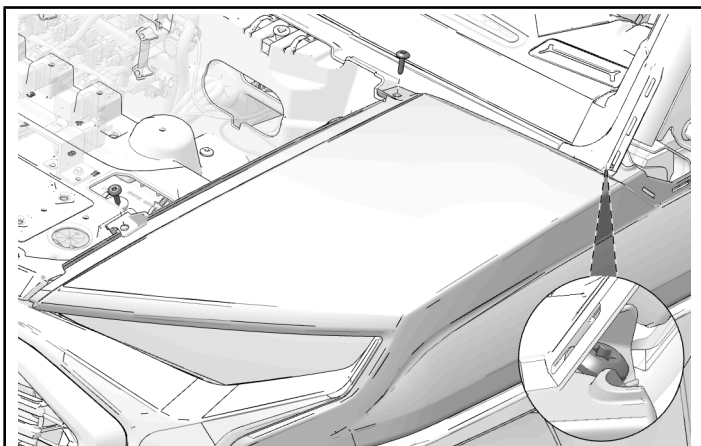


LEFT FRONT FENDER REMOVAL

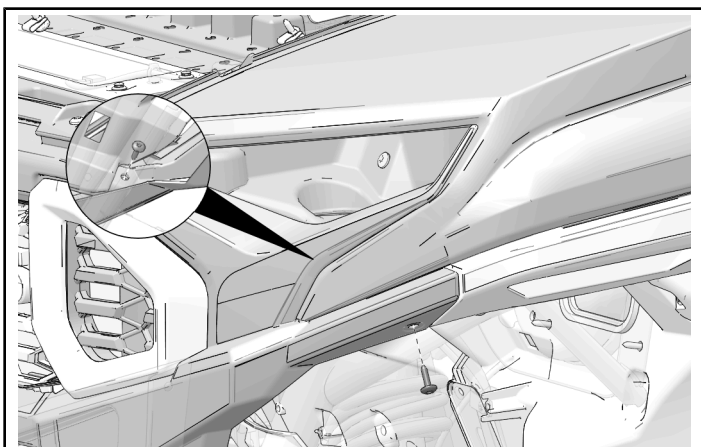
1. Remove and keep four screws from driver side behind left front fender.



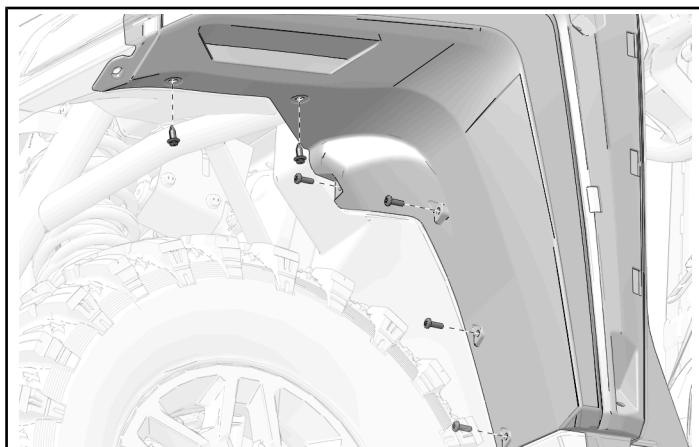
2. Remove and keep three screws from upper fender.



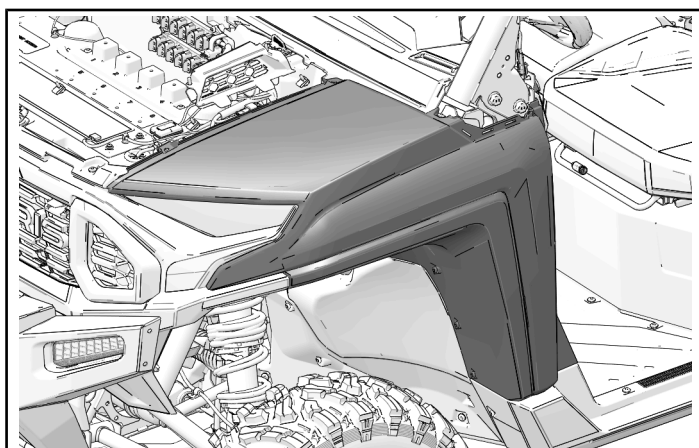
3. Remove and keep two screws near and underneath front left fender.



4. Remove two push-pin rivets and four screws from under the fender.



5. Remove left fender from vehicle.

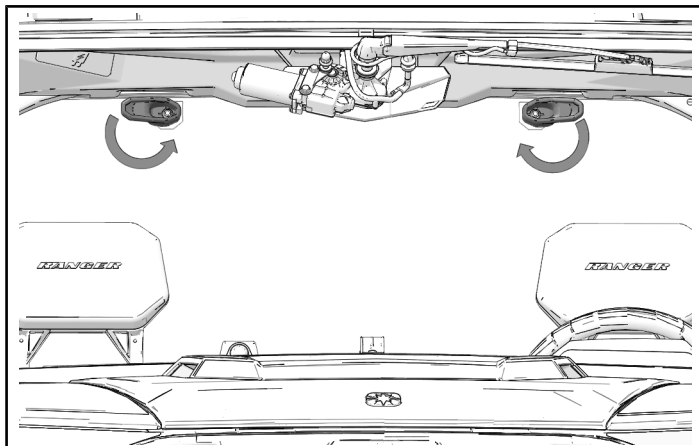


REAR GLASS PANEL REMOVAL

IMPORTANT

Polaris recommends two people remove rear panel. The rear panel is heavy and may be difficult for one person to easily handle.

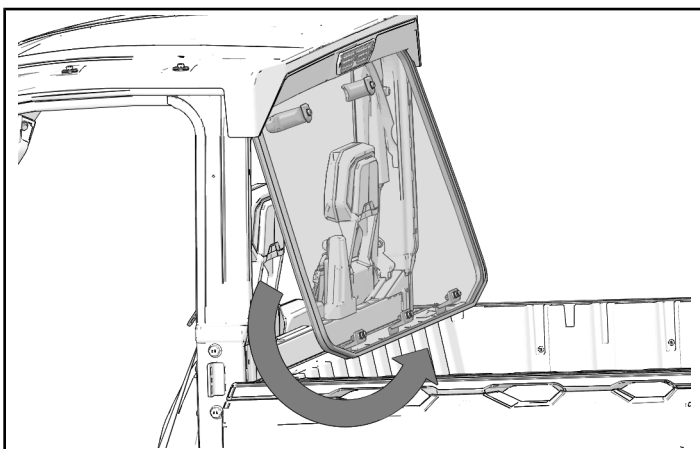
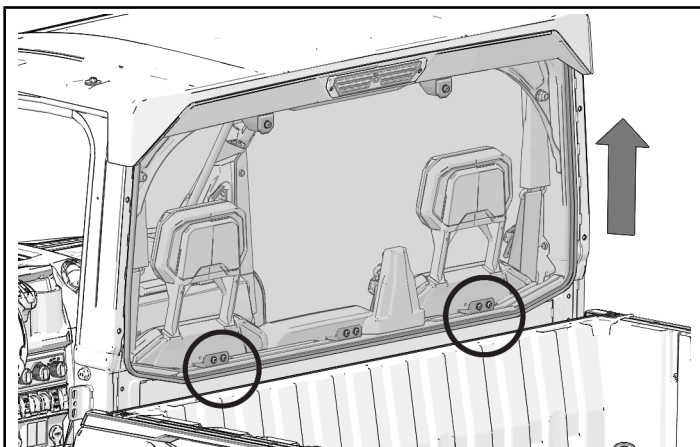
1. Turn handles down.



2. Lift up rear glass panel from the bottom edge. Move bottom of rear glass panel away from bottom of cab frame.

TIP

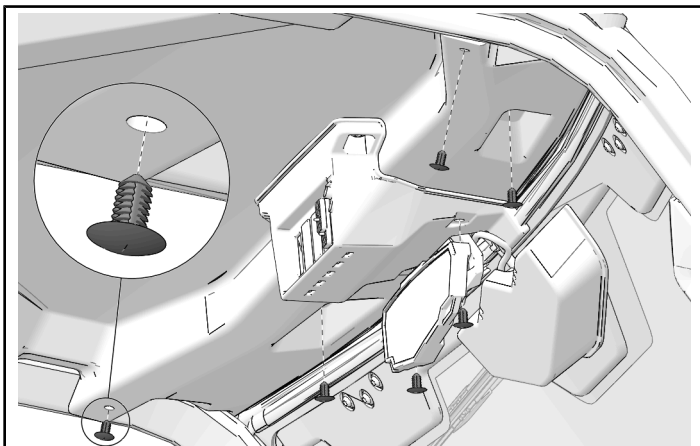
It is recommended that two people do this step.



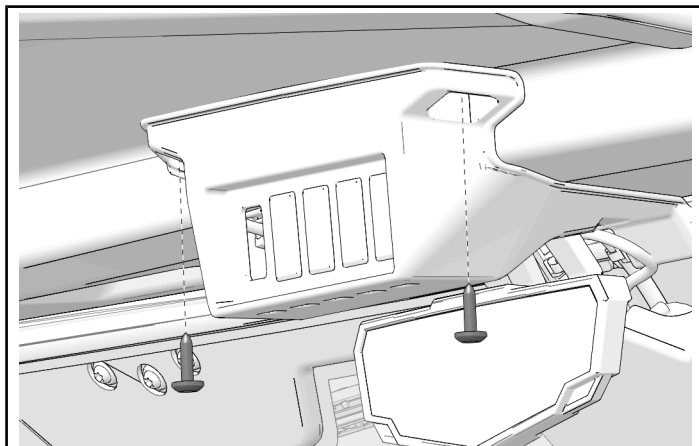
3. Remove rear glass panel from vehicle.

FRONT ROOF LINER REMOVAL

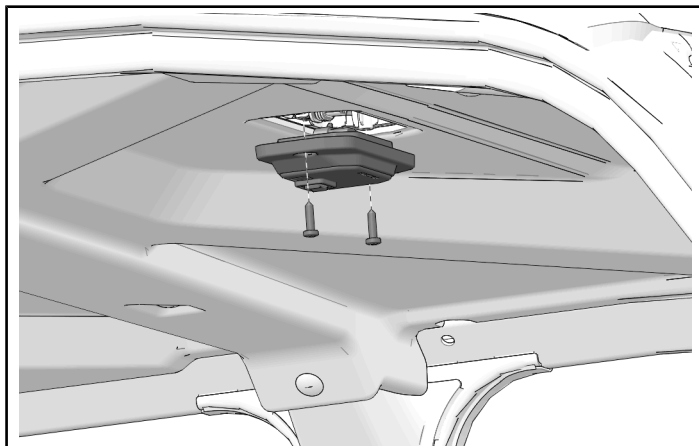
1. Remove and keep six push darts from front edge of liner.



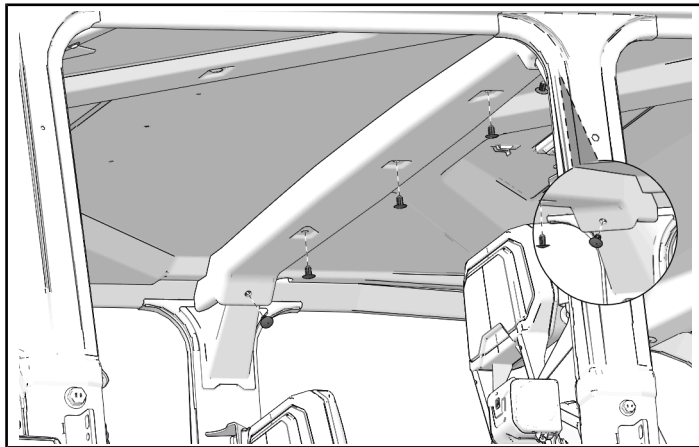
2. If equipped with upper switch panel, remove two screws from switch panel. Disconnect any harness connections. Remove switch panel.



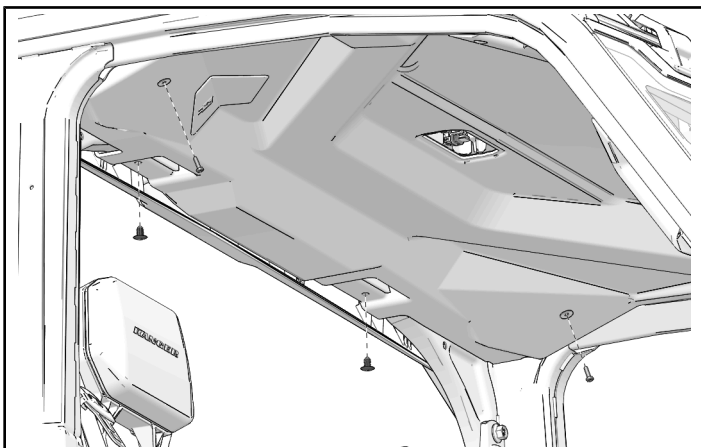
3. Remove two screws from middle of front roof liner. If equipped with dome light, remove dome light and disconnect any wiring.



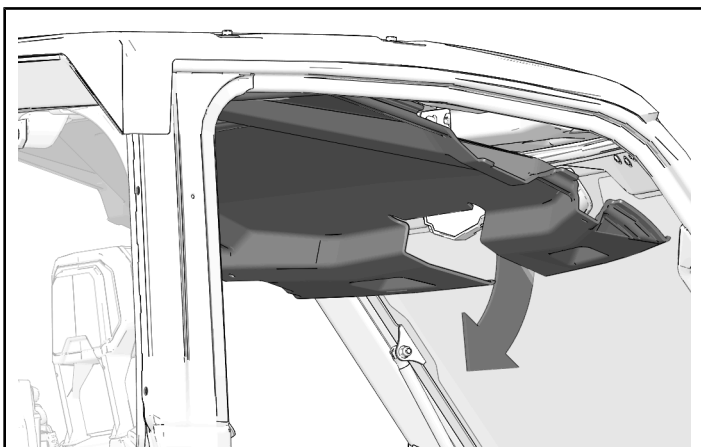
4. **Crew Vehicle Only:** Remove five push darts from back of front roof liner.



5. **Three-passenger Vehicle Only:** Remove two screws and two push darts from rear of front liner.



6. Pull front of roof liner down to remove from roof.

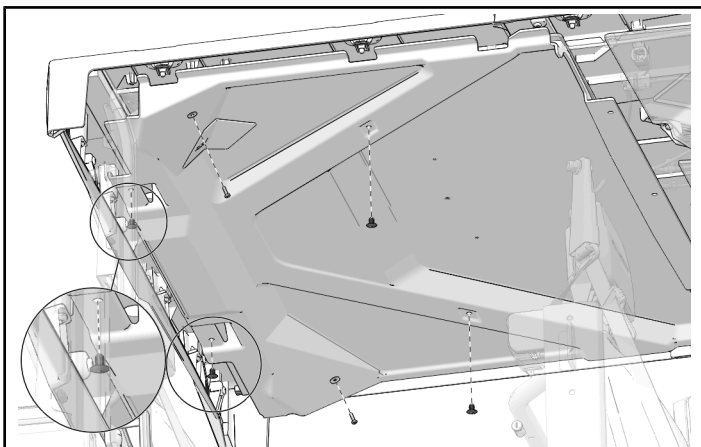


REAR ROOF LINER REMOVAL (CREW VEHICLES ONLY)

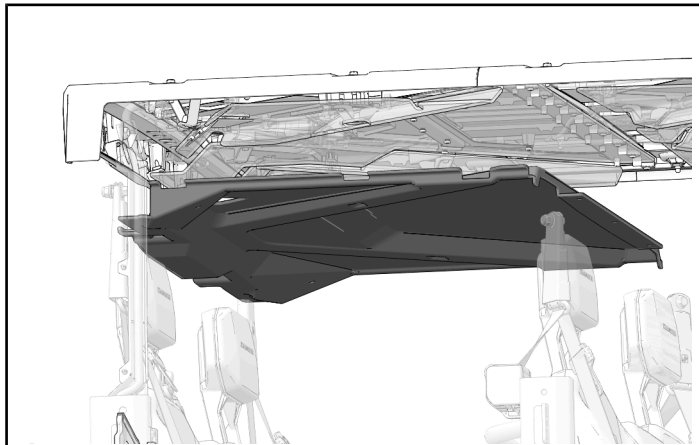
NOTICE

Parts of vehicle hidden for clarity.

1. Remove two screws and four push darts from rear roof liner.



2. Remove rear roof liner from roof.

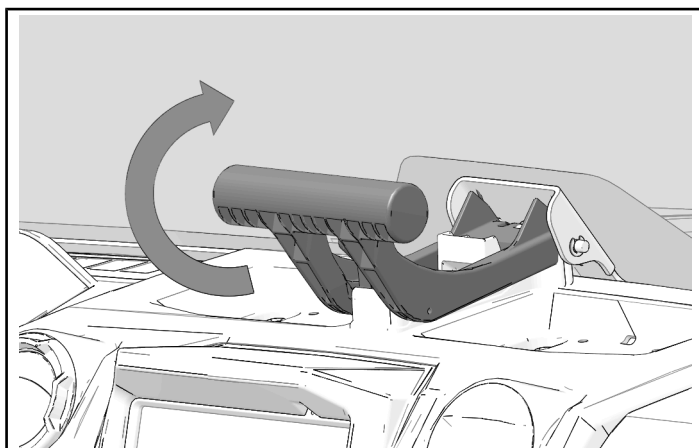


TIP-OUT WINDSHIELD REMOVAL (IF EQUIPPED)

IMPORTANT

Polaris recommends two people remove windshield. The windshield is heavy and may be difficult for one person to easily handle.

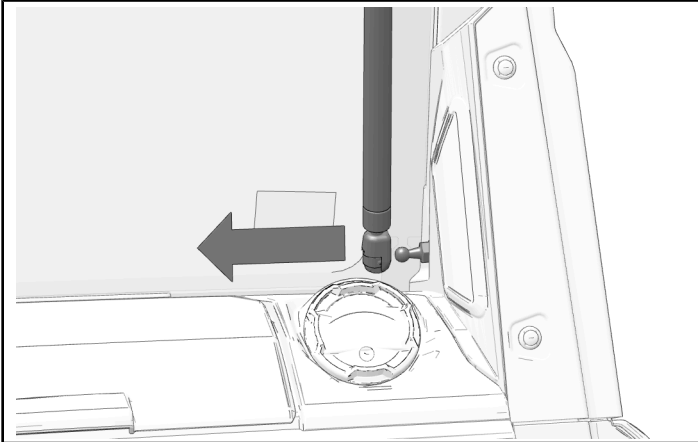
1. Open tip-out windshield handle.



2. Remove and keep gas shock from ball end stud.

NOTICE

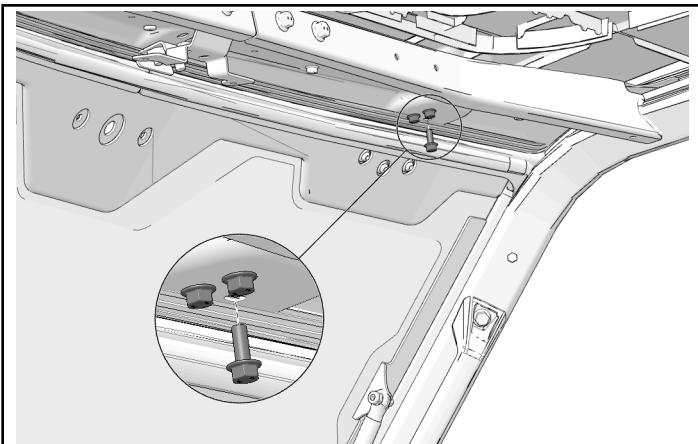
Right side shown; left side similar.



3. Remove and keep three windshield bracket screws.

NOTICE

Right side shown; left side similar.



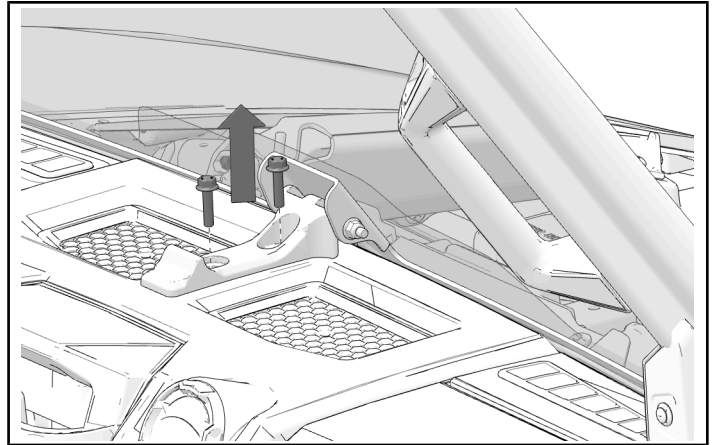
4. Remove windshield and set aside.

FIXED WINDSHIELD REMOVAL (IF EQUIPPED)

IMPORTANT

Polaris recommends two people remove windshield. The windshield is heavy and may be difficult for one person to easily handle.

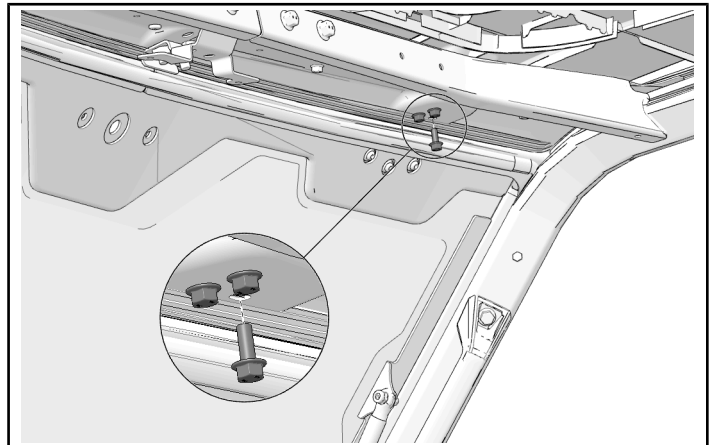
1. Remove and keep two windshield mount screws.



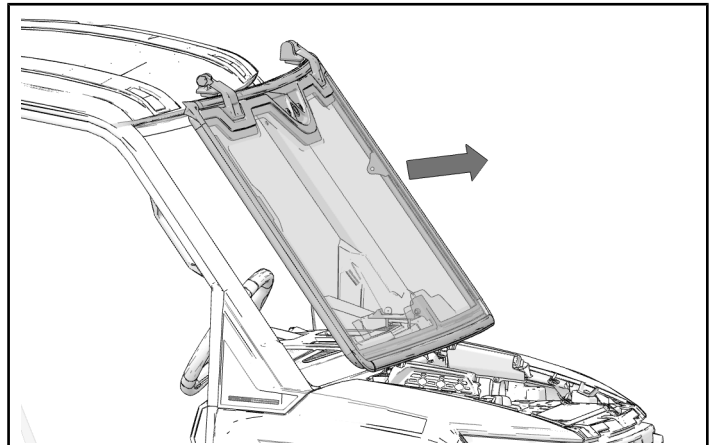
2. Remove and keep three windshield bracket screws.

NOTICE

Right side shown; left side similar.



3. Remove windshield and set aside.

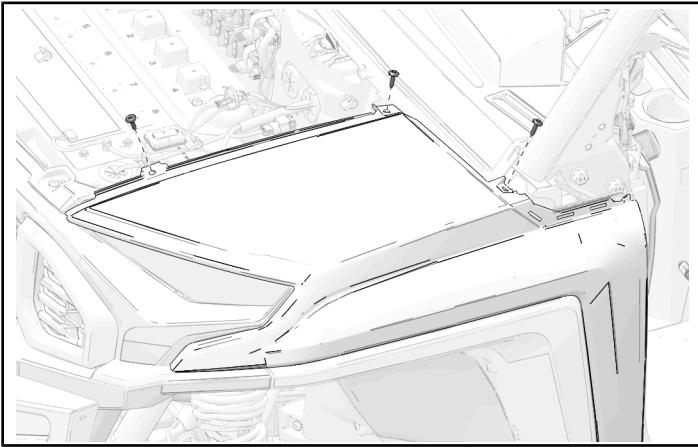


UPPER DASH REMOVAL

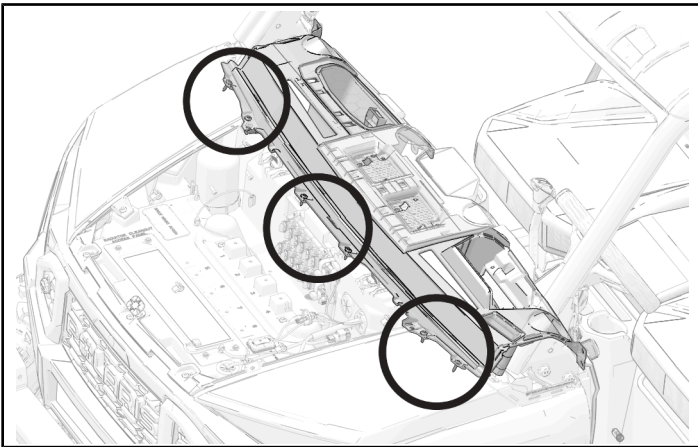
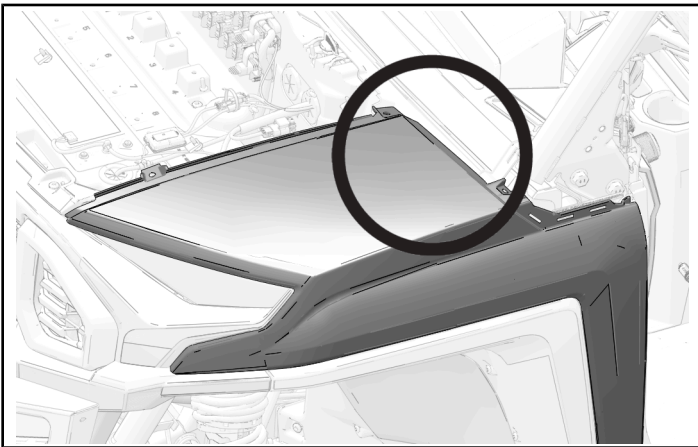
NOTICE

Left side shown; right side similar.

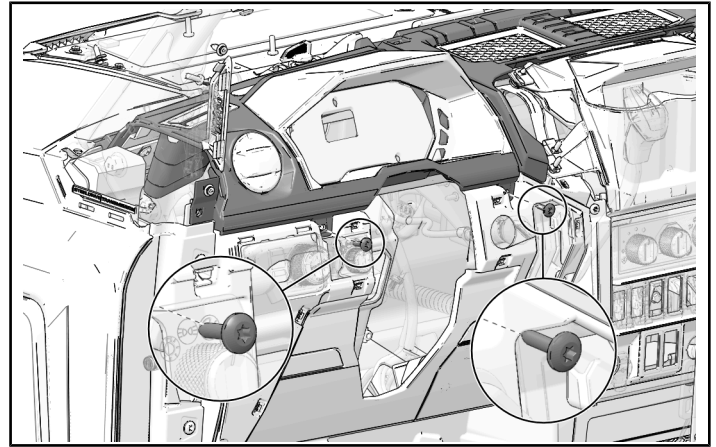
1. Remove three screws from front fender.



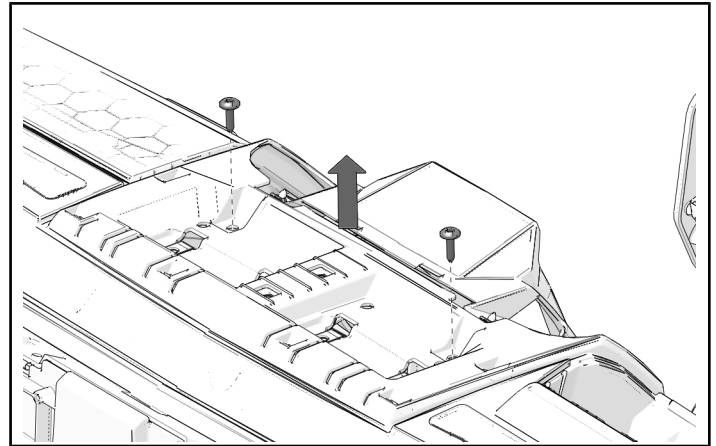
2. Remove six screws from upper dash. Screws will be under both front fenders.



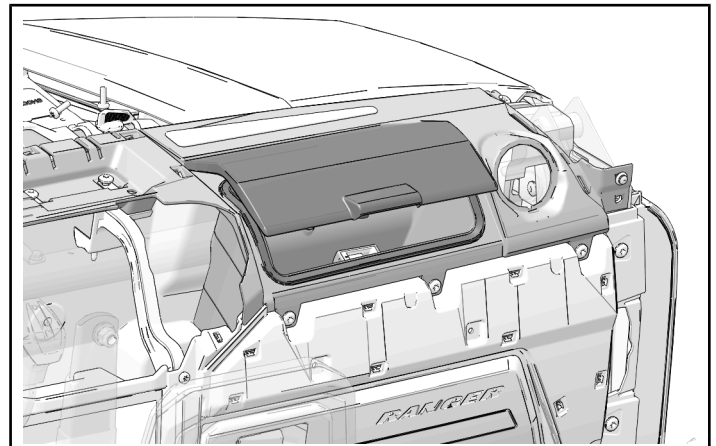
3. On driver side, remove two screws from either side of the steering wheel.



4. Remove and keep two screws from top center of upper dash panel.



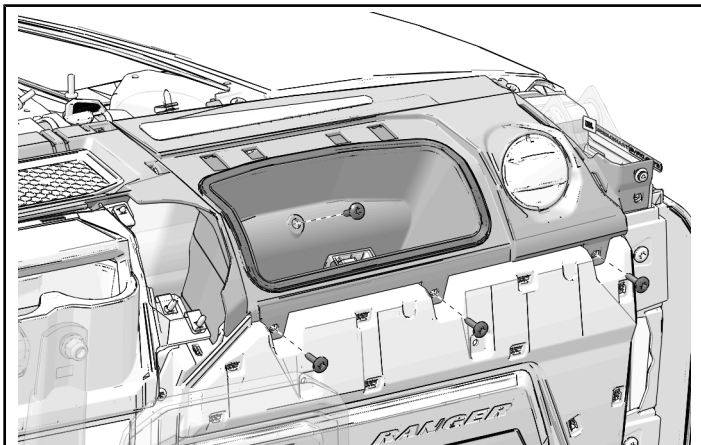
5. Open storage box lid on passenger side.



6. Remove one screw inside storage box, and three screws underneath storage box.

NOTICE

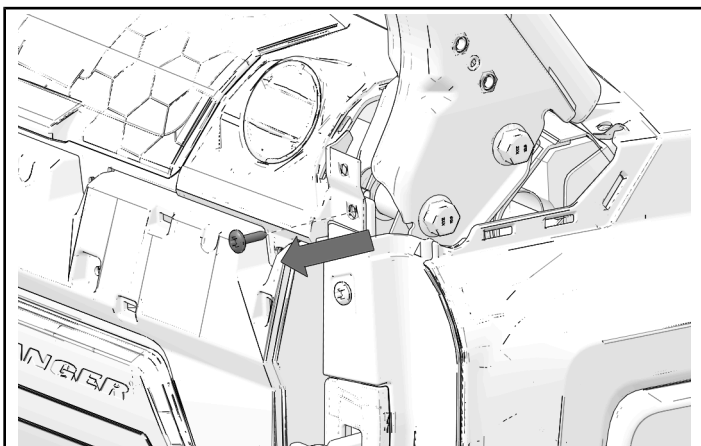
Storage lid hidden for clarity.



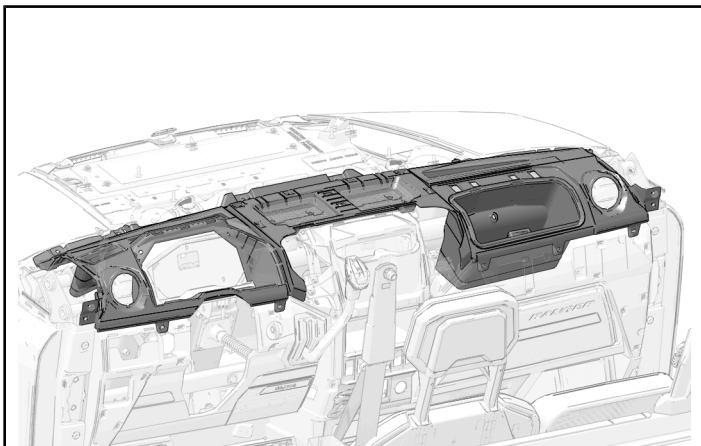
7. Remove and keep screws from far right and far left ends of dash.

NOTICE

Right side shown; left side similar.

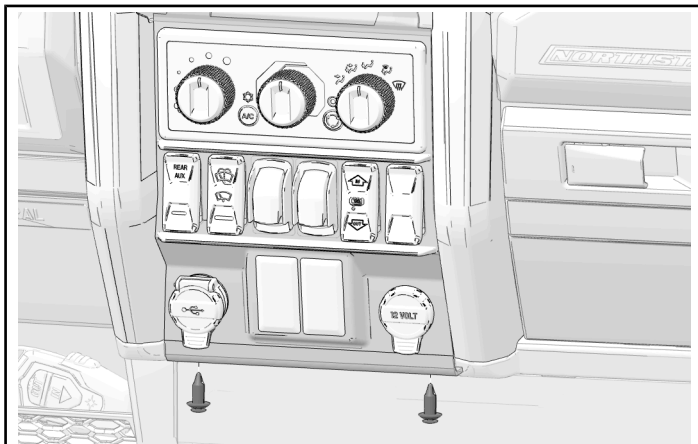


8. Remove upper dash from vehicle.

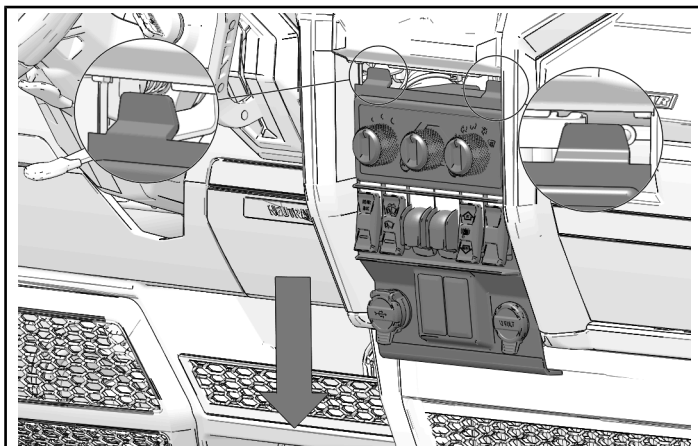
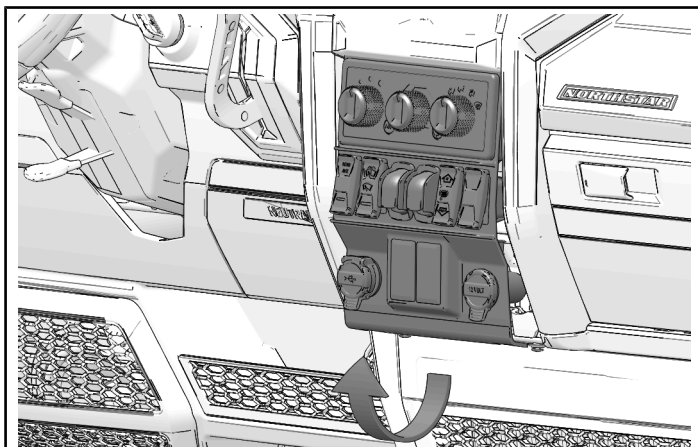


CENTER DASH CONTROL PANEL TRIM REMOVAL

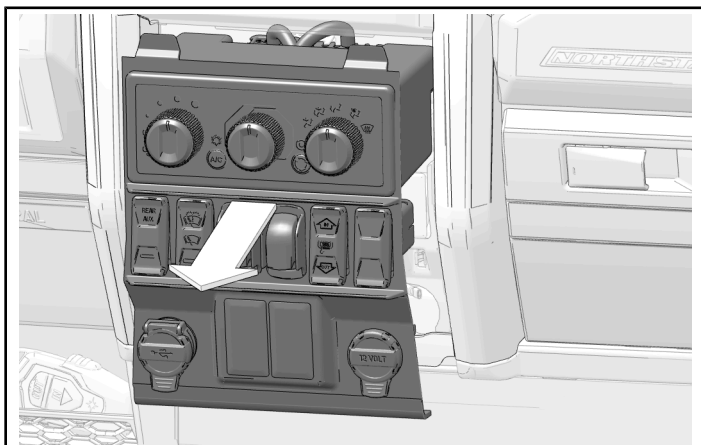
1. Remove two push-pin rivets from lower edge of trim panel.



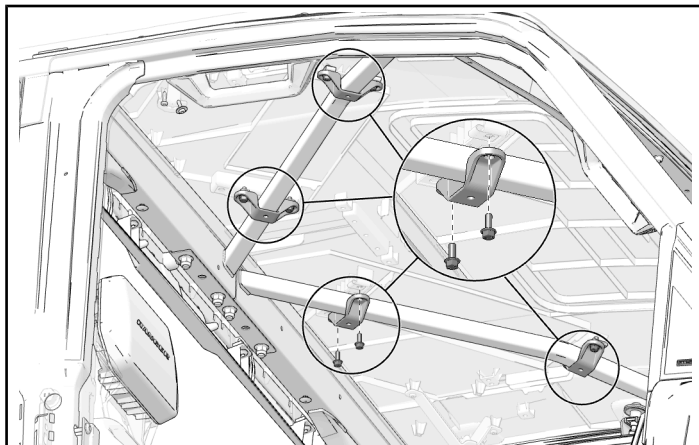
2. Pull control panel trim rearward and down to remove top two tabs from vehicle.



3. Remove center dash control panel trim and assembly. Disconnect any connections.



2. Remove and keep eight screws and four roof brackets.



ROOF REMOVAL

NOTICE

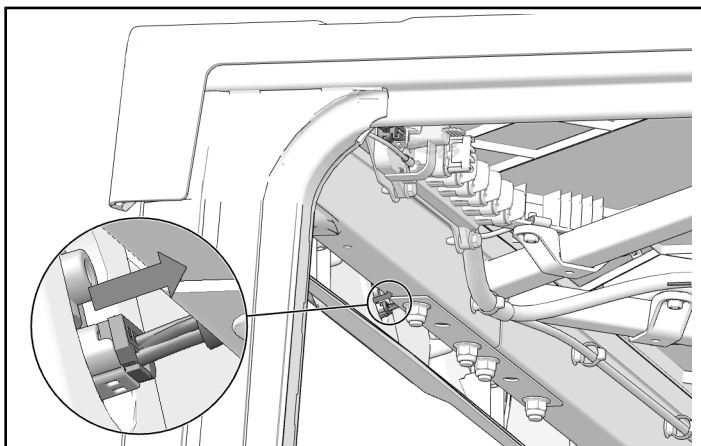
Parts of vehicle have been hidden for clarity.

NOTICE

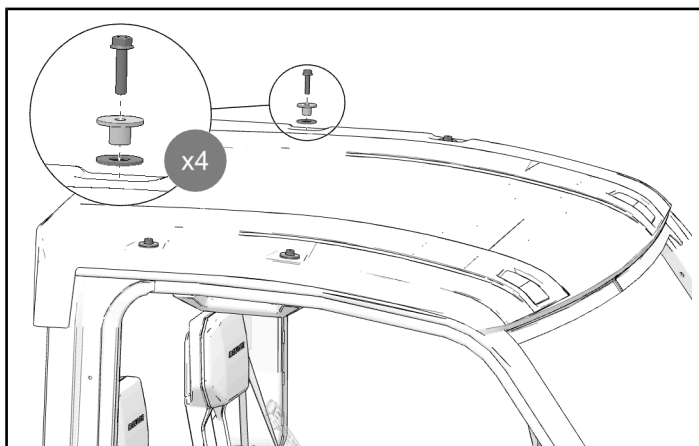
Disconnect and remove all other harnesses installed to roof.

ROOF REMOVAL – 3-PASSENGER

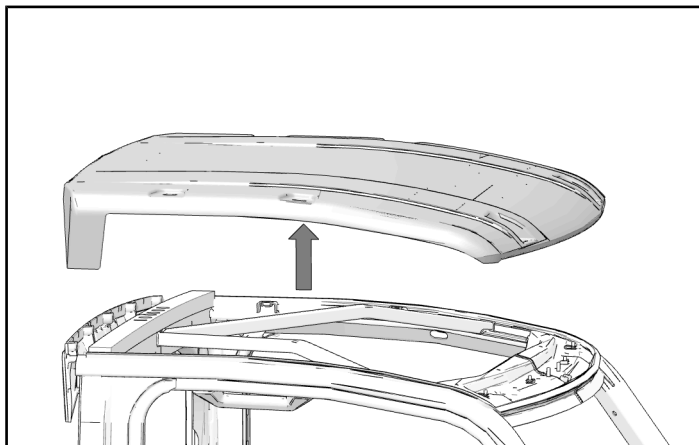
1. Disconnect rear worklight harness.



3. Remove and keep four screws, washers, and gaskets.



4. Remove roof.



ROOF REMOVAL – CREW

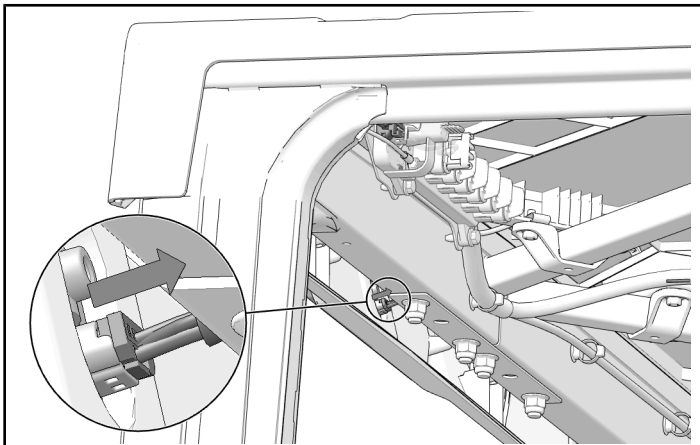
IMPORTANT

Polaris recommends two people remove roof. The roof is large and may be difficult for one person to easily handle.

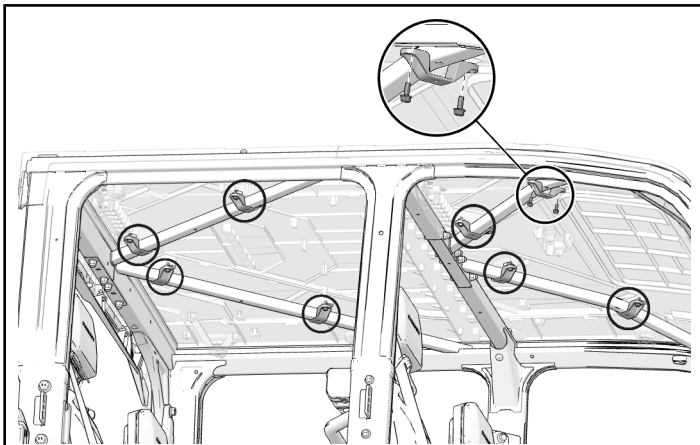
1. Disconnect rear worklight harness.

NOTICE

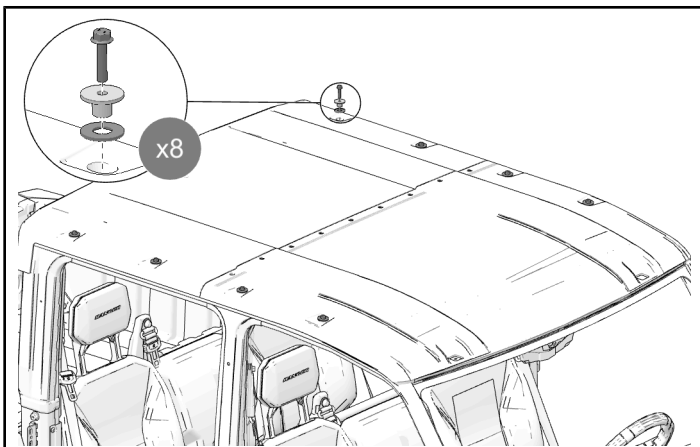
Harness connector is between upper ROPS and rear roof panel.



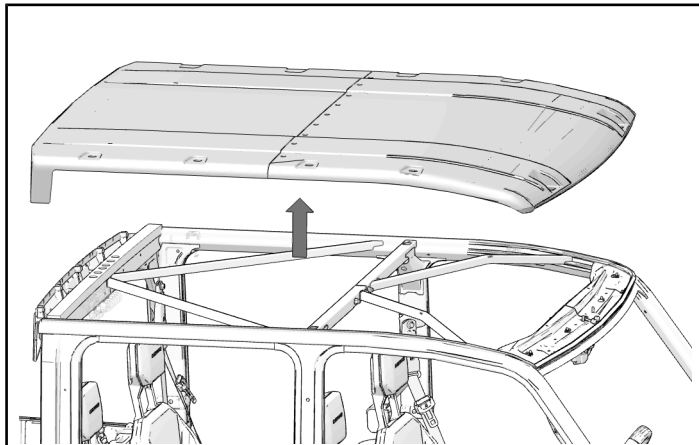
2. Remove and keep sixteen screws and eight roof brackets.



3. Remove and keep eight screws, washers, and gaskets.



4. Remove roof.



ACCESSORY INSTALLATION

LIGHT BAR MOUNT ASSEMBLY

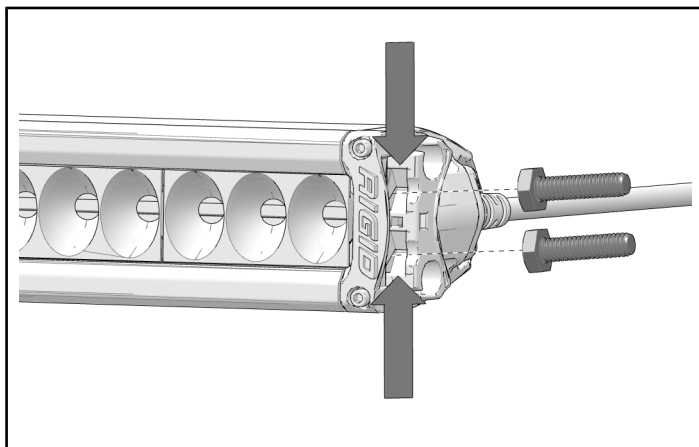
NOTICE

Use hardware included with Light Bar Kit P/N 2891803 to attach Light Bar to Light Bar Mounts.

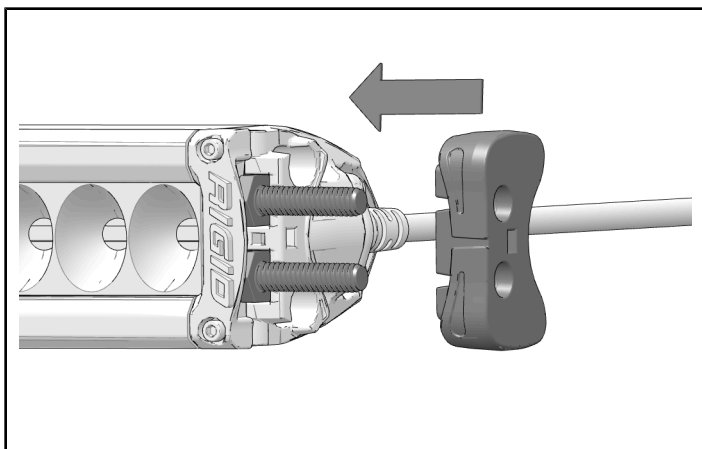
NOTICE

Left side shown; right side similar.

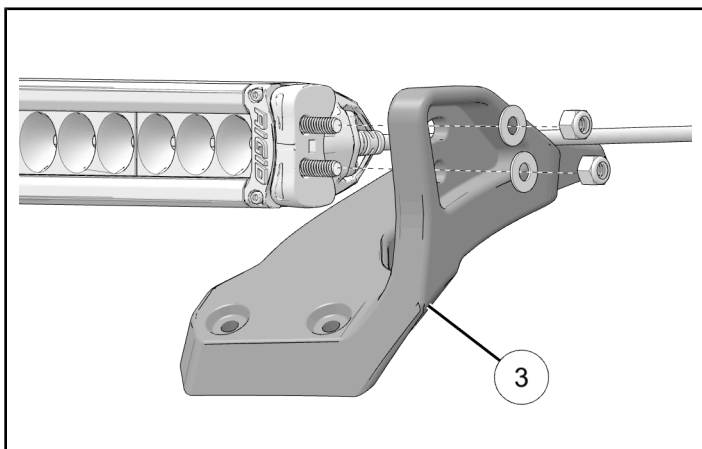
1. Put light bar screws into slots on light bar.



2. Install mounting bracket to light bar screws.



3. Attach left light bar mount ③ to light bar with two washers and two nuts.

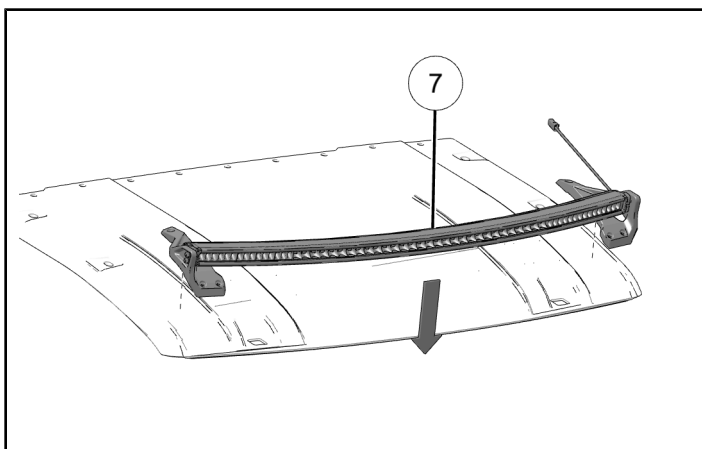


ROOF PREPARATION

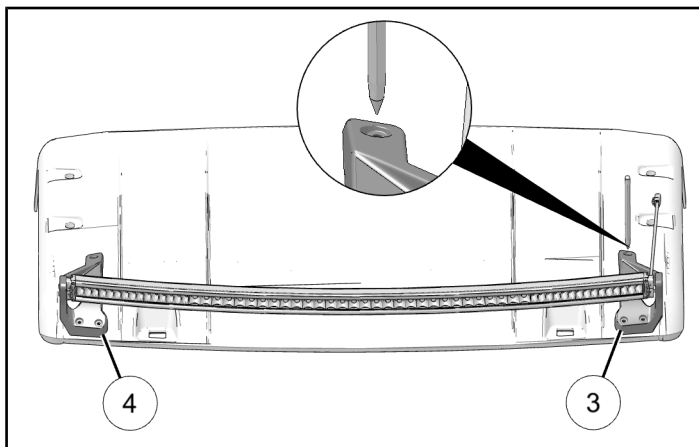
1. Put light bar assembly ⑦ onto roof.

NOTICE

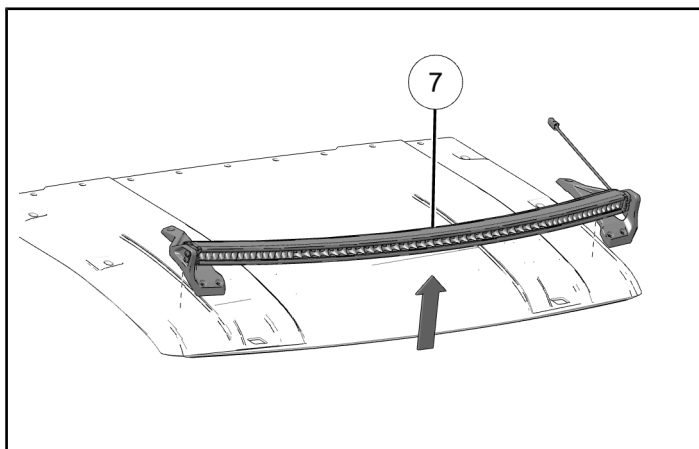
Center light bar assembly on front of roof.



2. Use light bar mounts ③ and ④ as templates. Mark six holes onto roof.



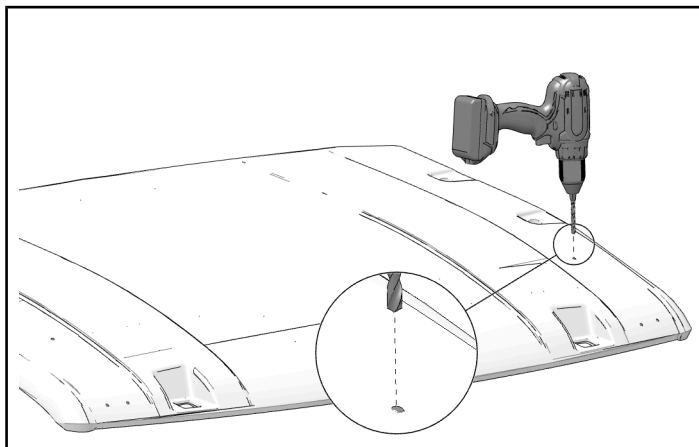
3. Remove light bar assembly ⑦.



4. Drill six holes through roof.

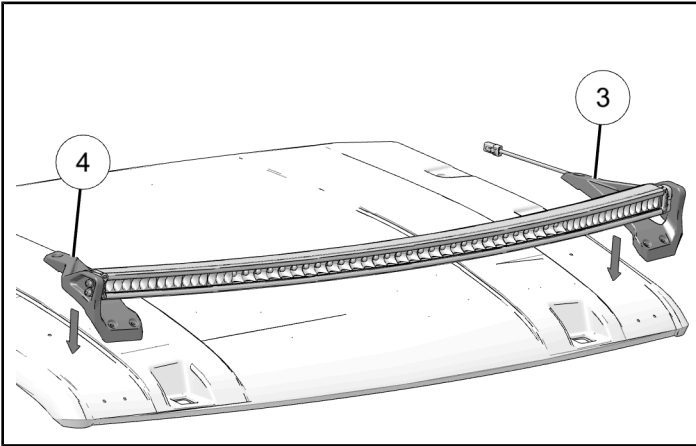
MEASUREMENT

Drill Bit Size:
5/16 in (8 mm)

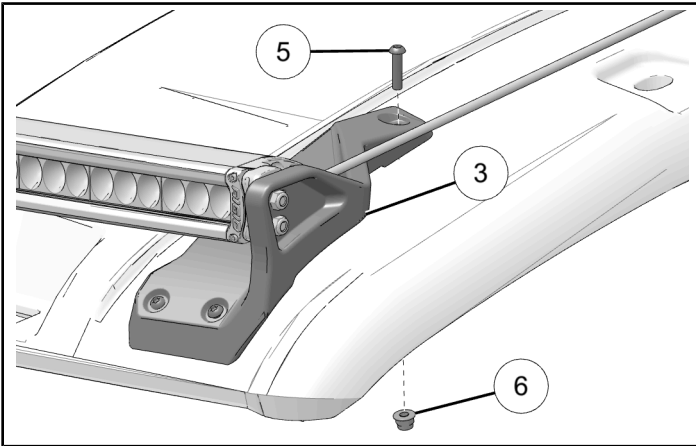


LIGHT BAR ASSEMBLY INSTALLATION

1. Set light bar assembly on roof. Align holes in light bar mounts ③ and ④ with pre-drilled holes in roof.



2. Attach light bar mount ③ to roof with three screws ⑤ and three nuts ⑥.



3. Counter-hold screws and torque nuts to specification.

TORQUE

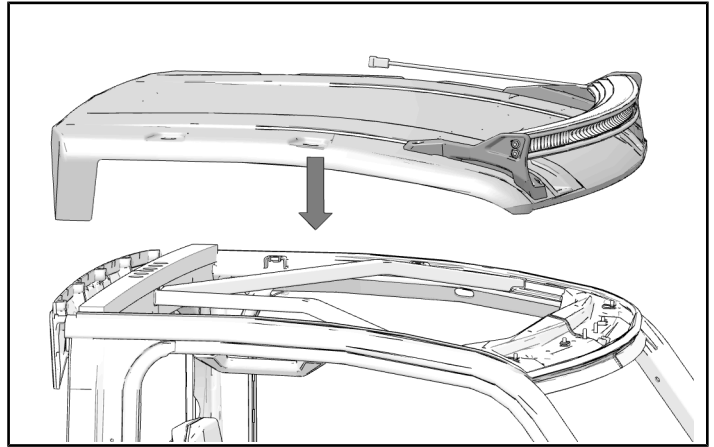
Light Bar Mount Nuts ⑤:
71 in-lbs (8 N·m)

ROOF INSTALLATION

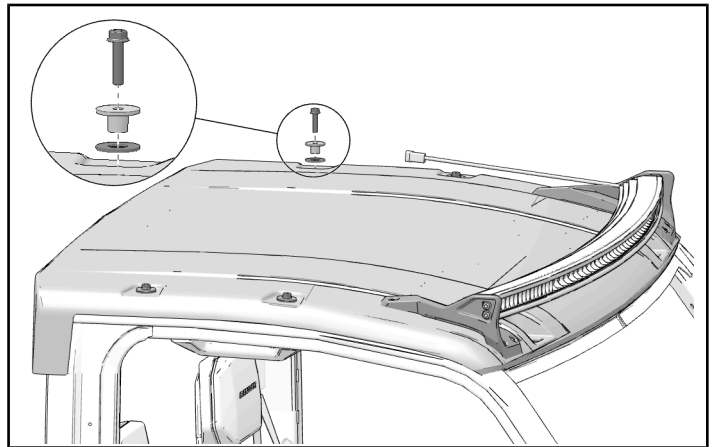
NOTICE

3-passenger roof shown; crew roof similar.

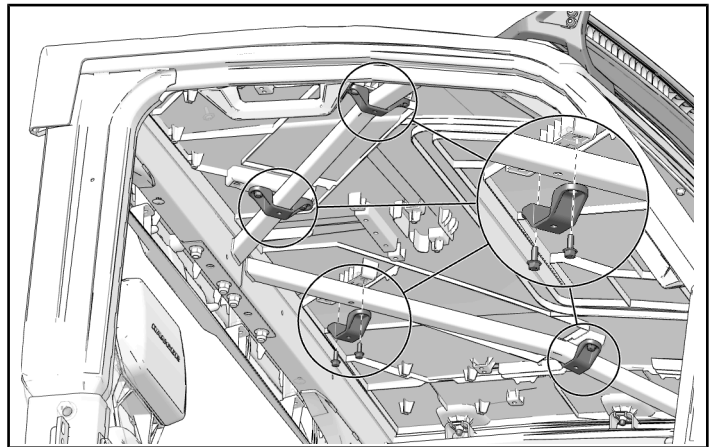
1. Set roof onto vehicle.



2. Attach roof with kept washers, gaskets, and screws.



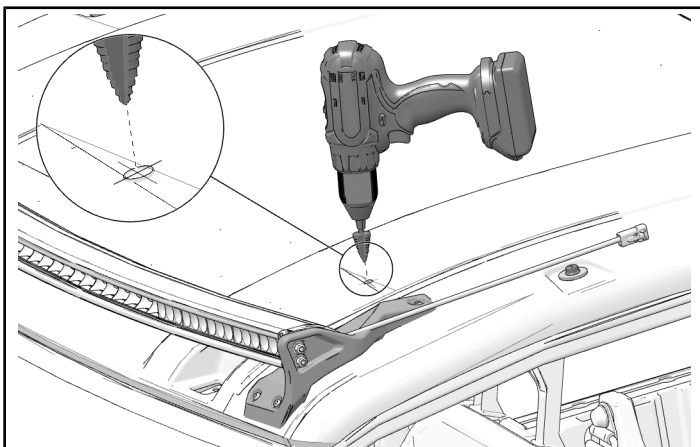
3. Attach roof to ROPS with kept roof brackets and screws



- Find harness on light bar. Mark a drill point on roof near light bar harness for harness routing.

IMPORTANT

Control tool depth. Make sure drill is clear of all other parts and components to prevent damage to vehicle.



- Drill hole with step bit.

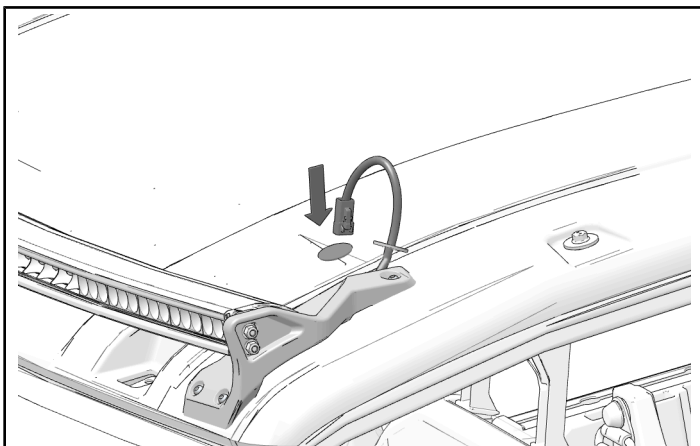
MEASUREMENT

Drill Bit Size:
1-1/4 in (32 mm)

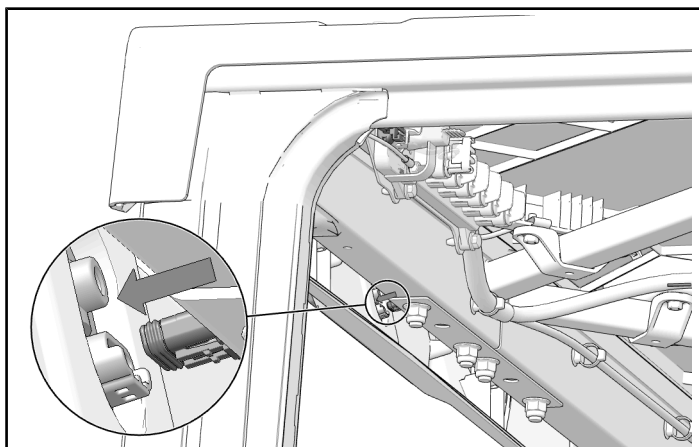
- Route harness on light bar down through drilled hole in roof. Install grommet on light bar harness into drilled hole on roof.

NOTICE

Make sure grommet is fully seated in roof to prevent roof from leaking.



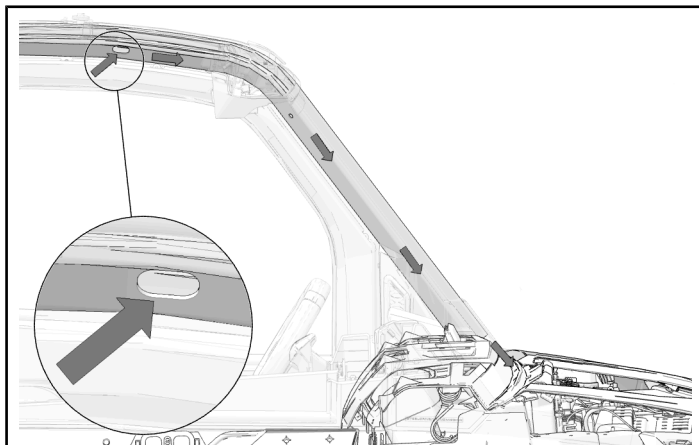
- Connect rear worklight harness to worklight.



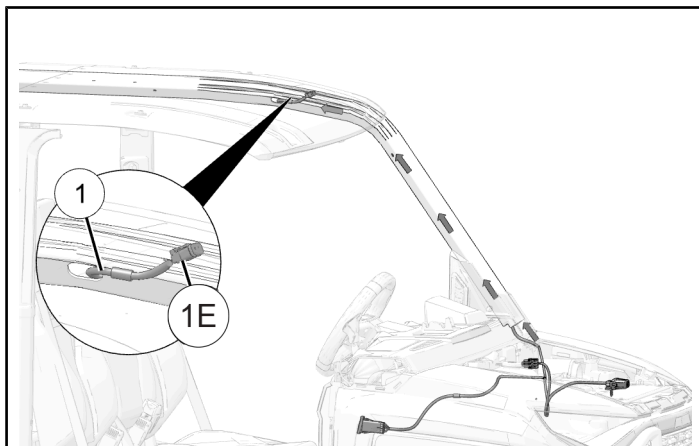
- Reinstall and reconnect all harnesses previously installed on roof.

A-PILLAR HARNESS ROUTING

- Route fish tape tool through hole in left upper ROPS and down A-pillar into under hood area.

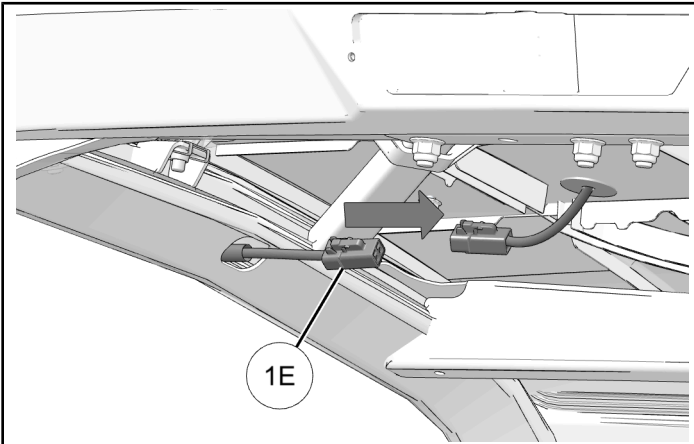


- Use fish tape to pull connector **1E**, on light bar harness ①, from under hood and up through left A-pillar.

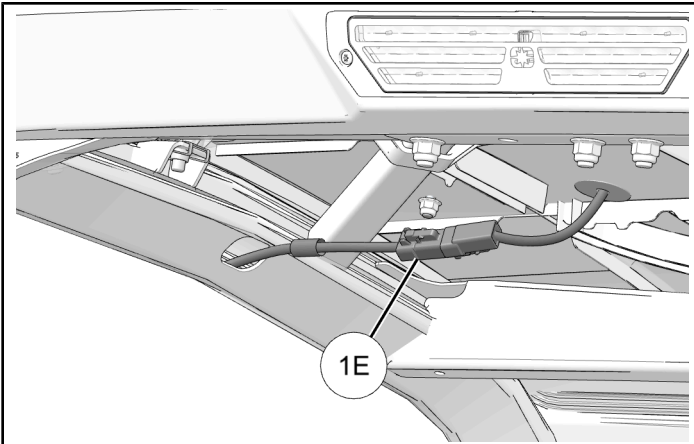


ROOF HARNESS ROUTING

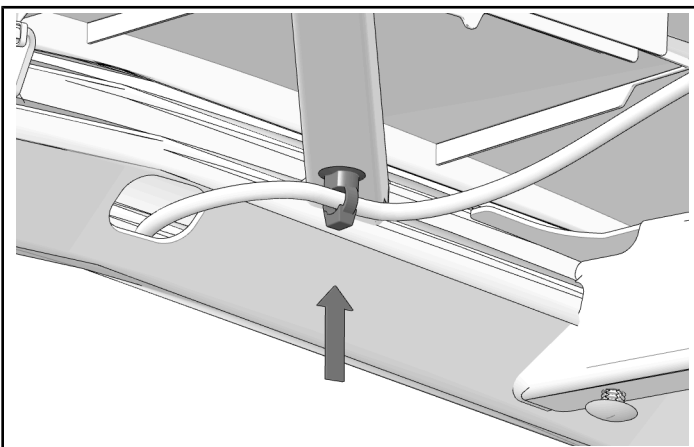
1. Route connector **1E** on light bar harness ① toward light bar connector.



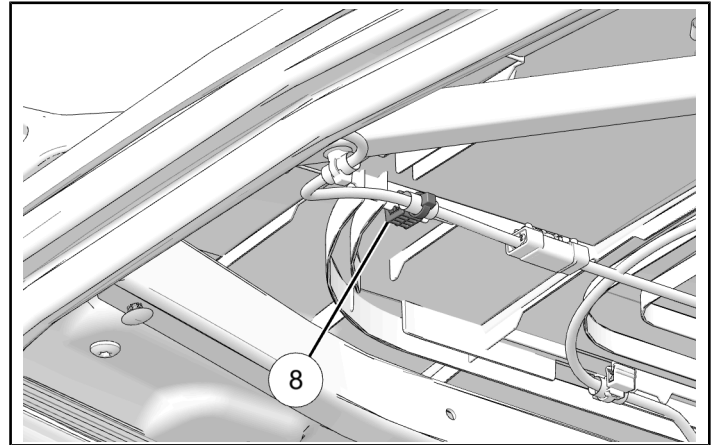
2. Connect **1E** on light bar harness ① to light bar connector.



3. Attach harness to vehicle roof using fir tree clip in location shown near ROPS opening.

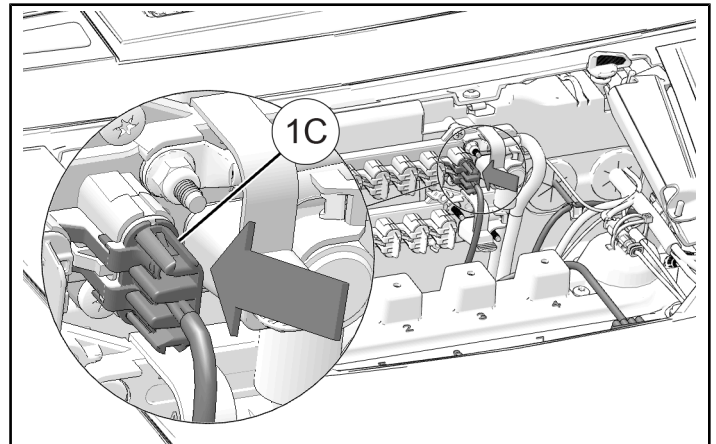


4. Attach harness to vehicle roof in location shown using edge clip ⑧.

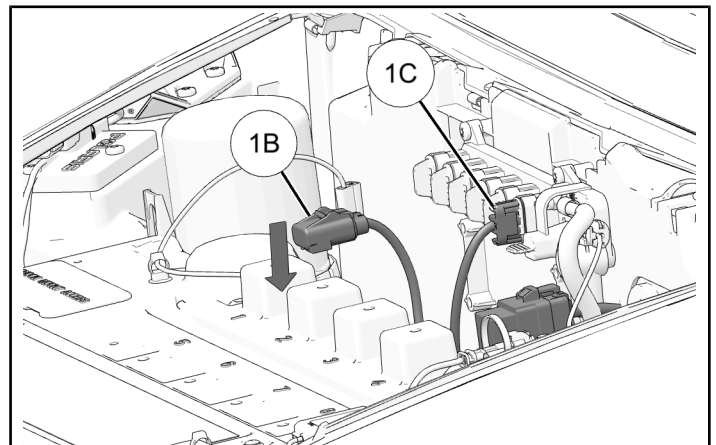


UNDER HOOD HARNESS ROUTING

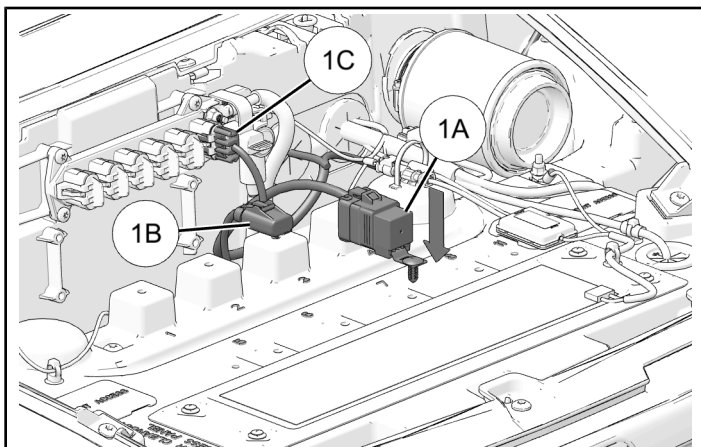
1. Remove cap on unused port in pulse bar. Install connector **1C** to pulse bar.



2. Install **1B** to open center location on under hood liner.

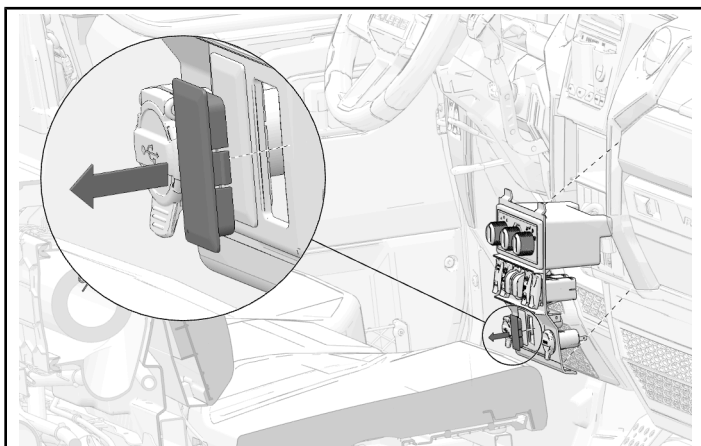


3. Install **1A** to open front location on under hood liner.

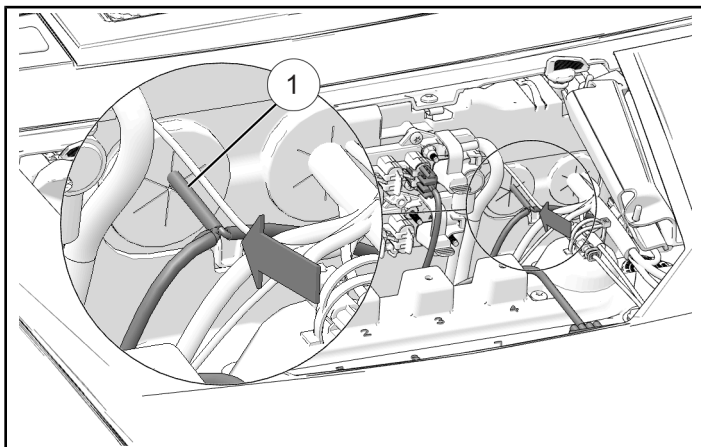


LIGHT BAR SWITCH INSTALLATION

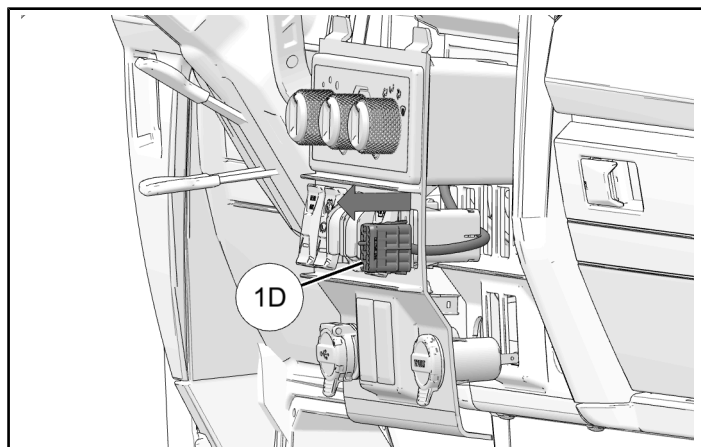
1. Remove and discard plastic switch blank cover from any unused switch blank in center console.



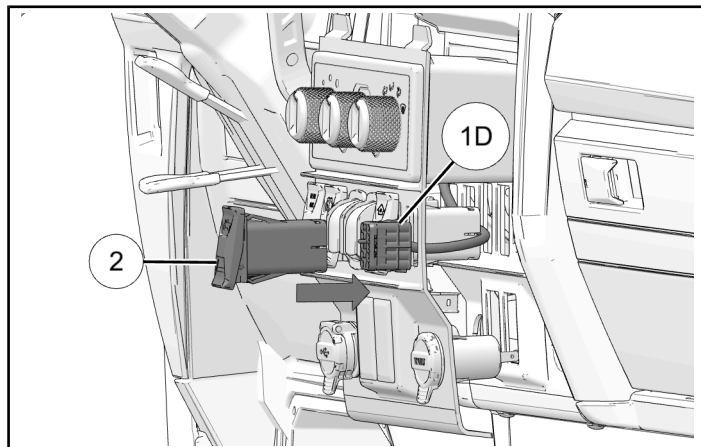
2. Route connector **1D** on light bar harness **①** through inner dash grommet.



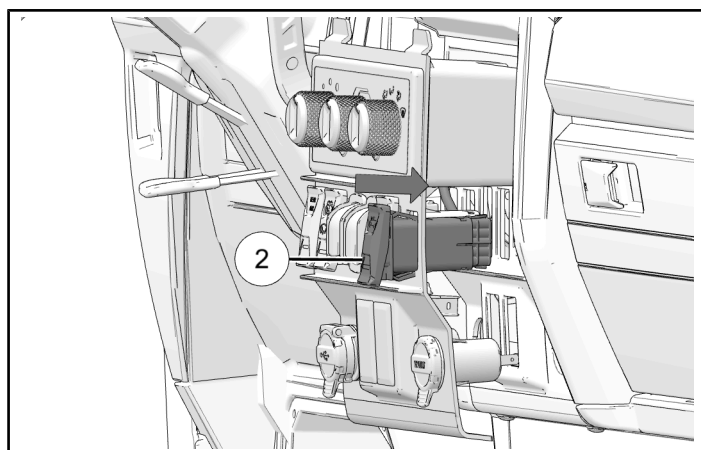
3. Route **1D** through opening in switch panel.



4. Connect switch **②** to connector **1D**.



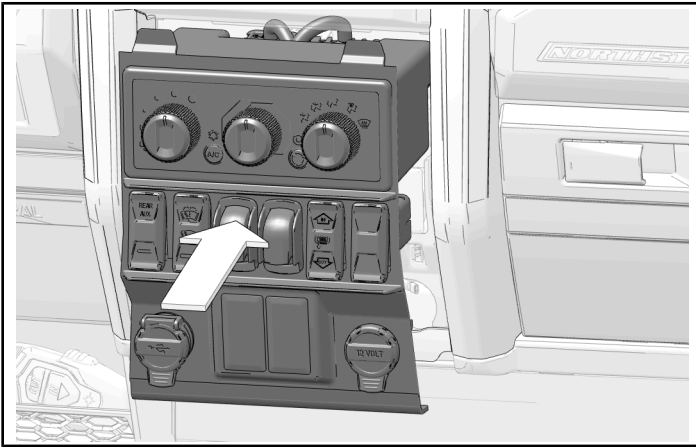
5. Push connected switch **②** into opening on switch panel.



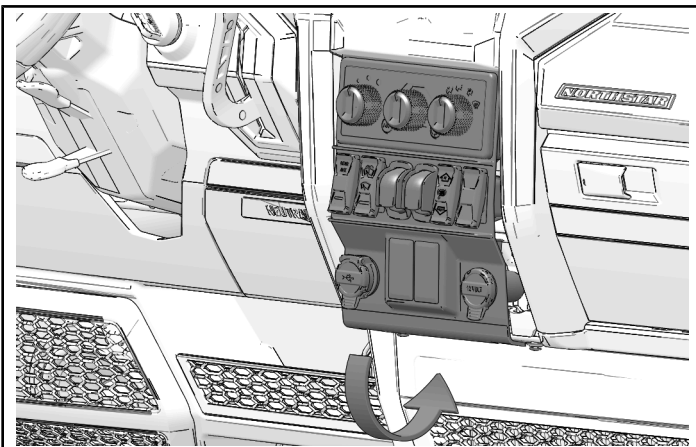
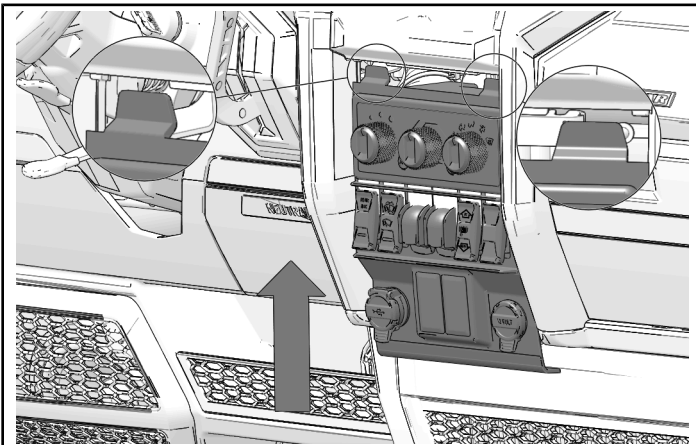
VEHICLE REASSEMBLY

CENTER DASH HVAC CONTROL PANEL TRIM INSTALLATION

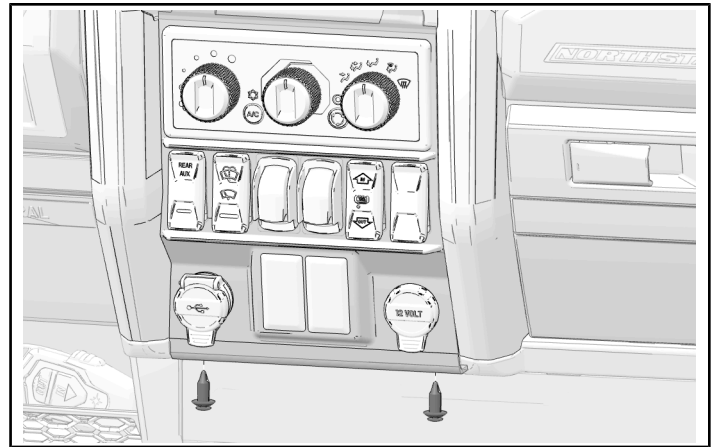
1. Connect any wire connectors and install center dash HVAC control panel trim assembly.



2. Move control panel trim up and forward to install two top tabs.



3. Attach with two push-pin rivets.

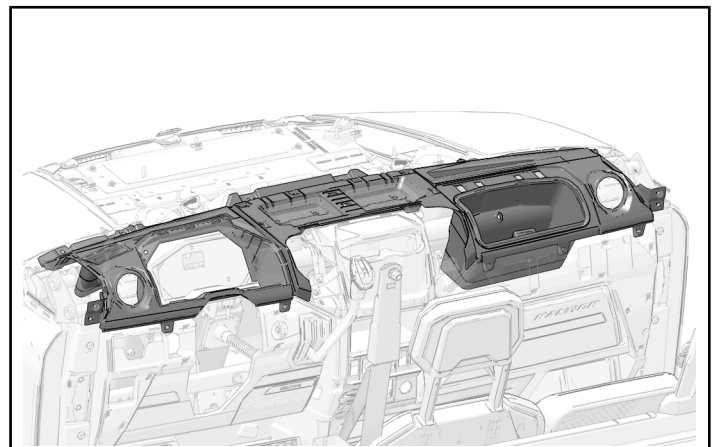


UPPER DASH INSTALLATION

NOTICE

Left side shown; right side similar.

1. Install upper dash onto vehicle.



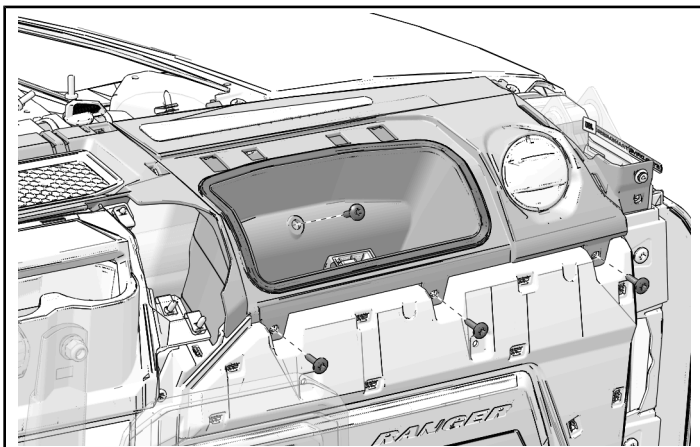
2. Install one screw inside storage box, and three screws underneath storage box. Torque screws to specification.

NOTICE

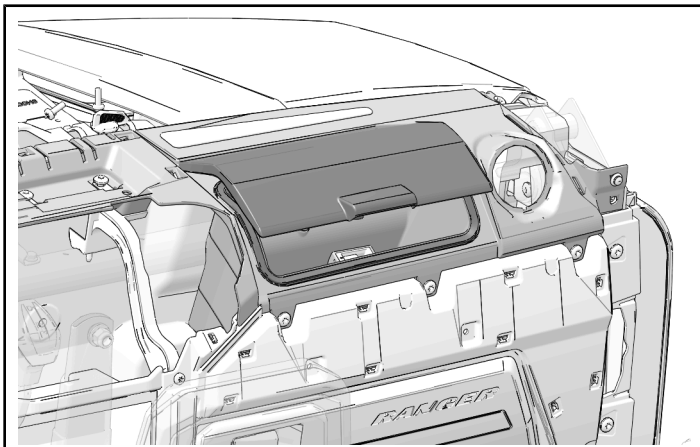
Storage lid hidden for clarity.

TORQUE

Screws:
30 in-lbs (3.5 N·m)



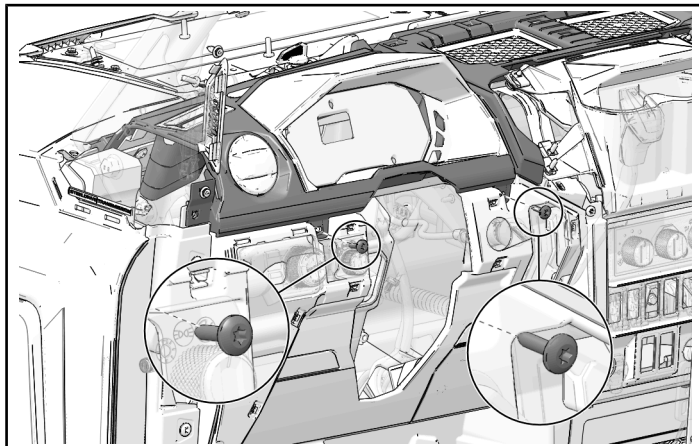
3. Close storage box lid on passenger side.



4. On driver side, install two screws from either side of the driving wheel. Torque screws to specification.

TORQUE

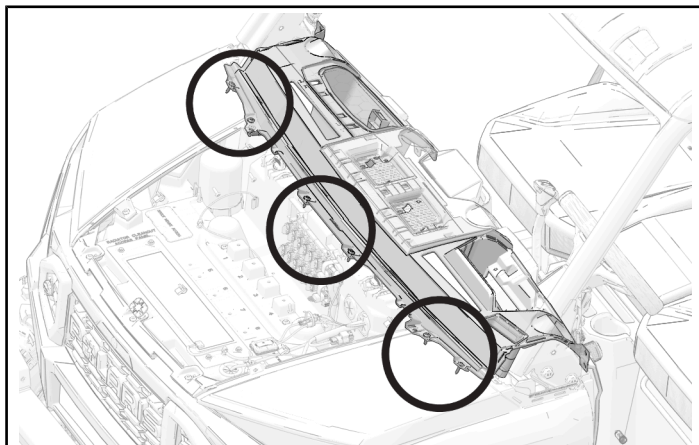
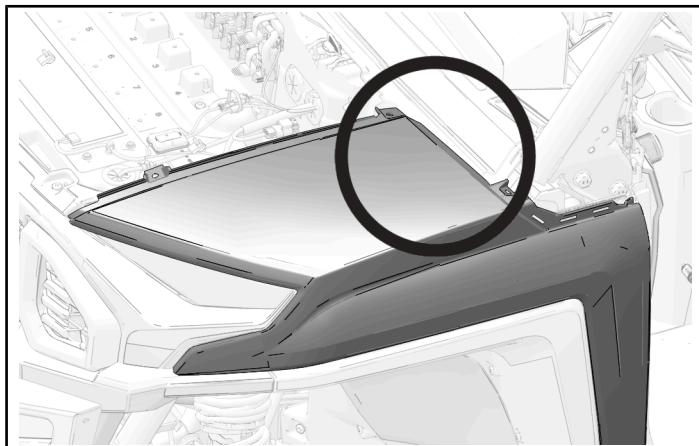
Screws:
30 in-lbs (3.5 N·m)



5. Install six screws into upper dash, four underneath fenders. Torque screws to specification.

TORQUE

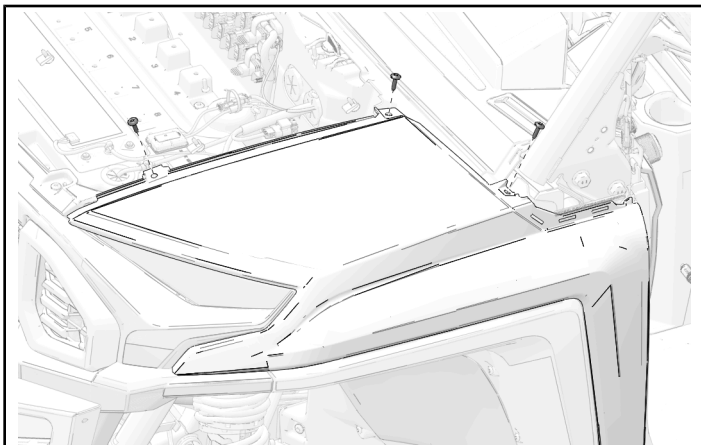
Screws:
30 in-lbs (3.5 N·m)



6. Install three screws into front fender. Torque screws to specification.

TORQUE

Screws:
30 in-lbs (3.5 N·m)

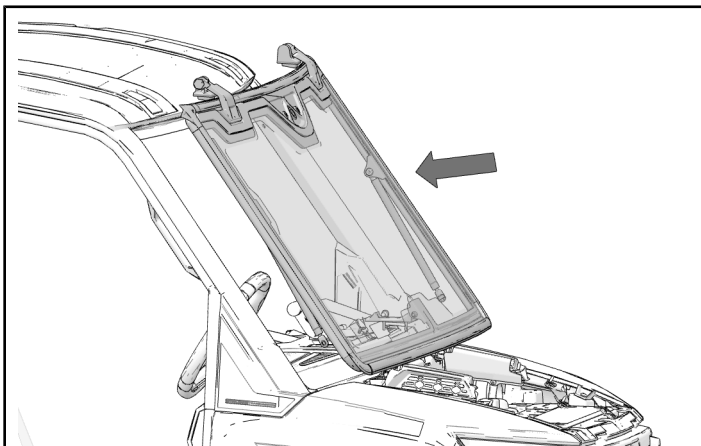


TIP-OUT WINDSHIELD INSTALLATION (IF EQUIPPED)

IMPORTANT

Polaris recommends two people remove windshield. The windshield is heavy and may be difficult for one person to easily handle.

1. Put windshield on vehicle.



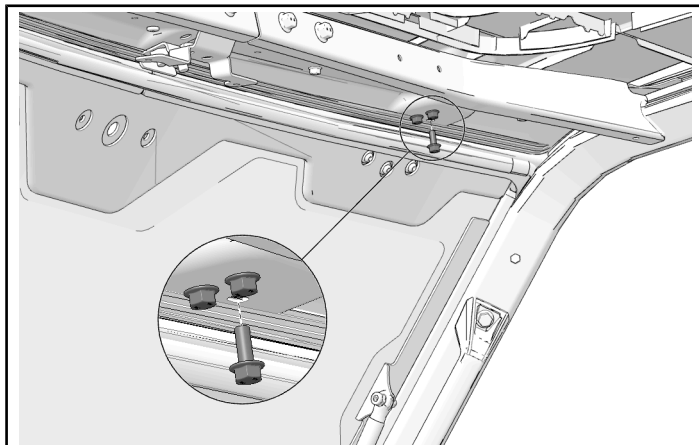
2. Attach windshield to windshield bracket with three kept screws.

NOTICE

Right side shown; left side similar.

TORQUE

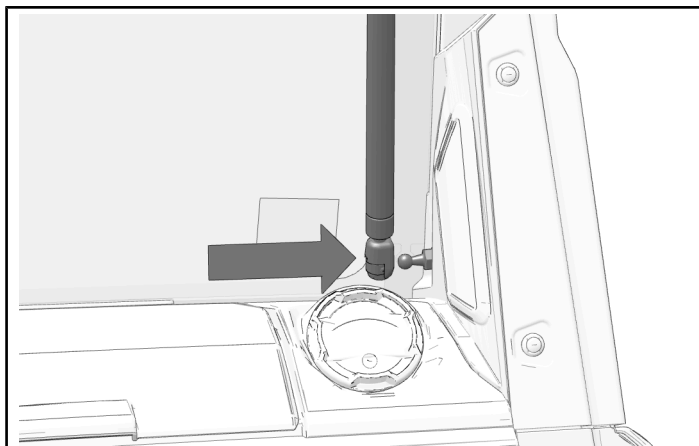
Windshield Bracket Screws:
106 in-lbs (12 N·m)



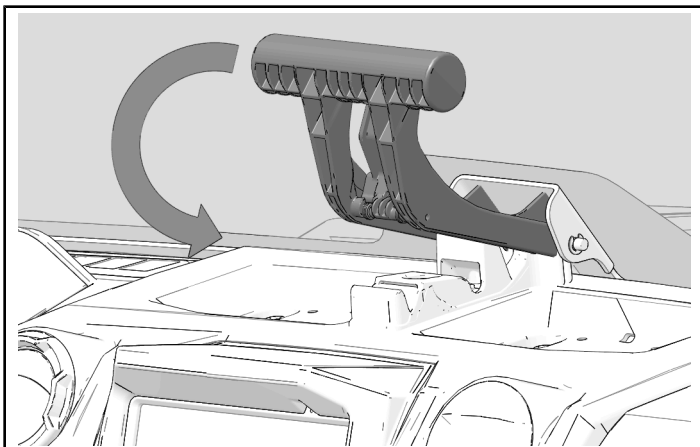
3. Install kept gas shock onto ball end stud.

NOTICE

Right side shown; left side similar.



4. Close tip-out windshield by pulling handle down.

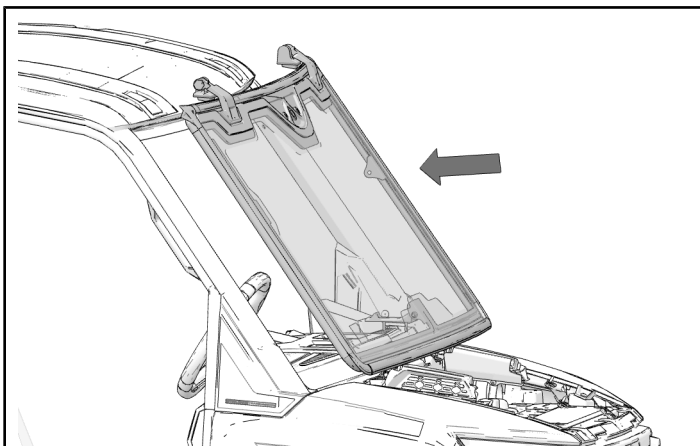


FIXED WINDSHIELD INSTALLATION (IF EQUIPPED)

IMPORTANT

Polaris recommends two people remove windshield. The windshield is heavy and may be difficult for one person to easily handle.

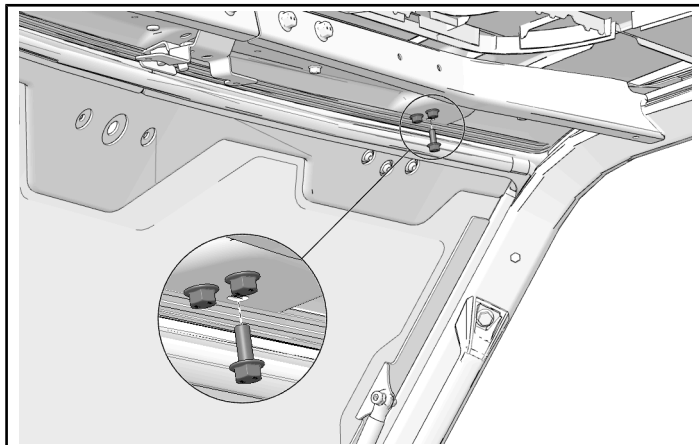
1. Put windshield on vehicle.



2. Attach windshield to windshield bracket with three kept screws.

NOTICE

Right side shown; left side similar.

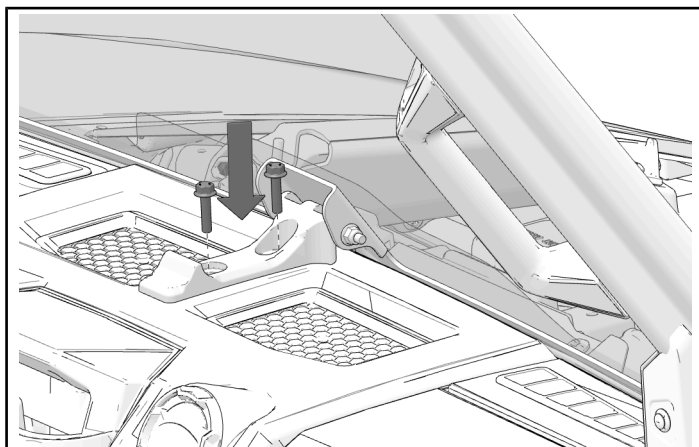


3. Torque windshield bracket screws to specification.

TORQUE

Windshield Bracket Screws:
106 in-lbs (12 N·m)

4. Install two kept windshield mount screws.



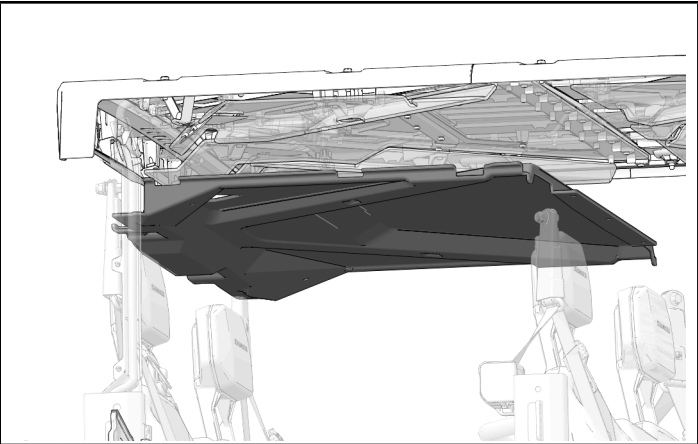
5. Torque windshield mount screws to specification.

TORQUE

Windshield Mount Screws:
31 in-lbs (3.5 N·m)

REAR ROOF LINER INSTALLATION (CREW VEHICLES ONLY)

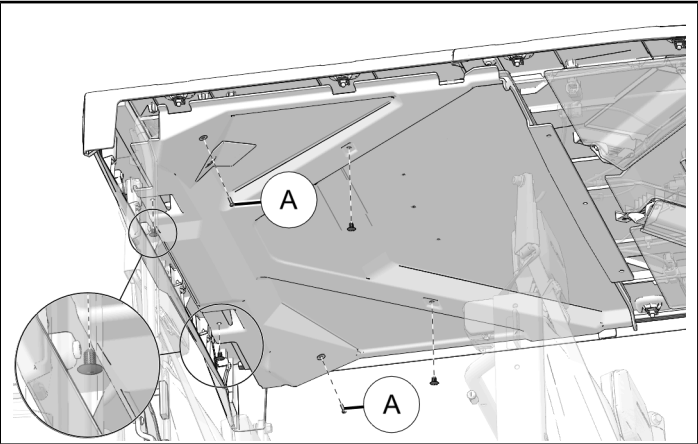
1. Install rear roof liner onto roof.



2. Install two screws ① and four push darts into rear roof liner.

NOTICE
If kit contains new push darts, install roof liner using new push darts.

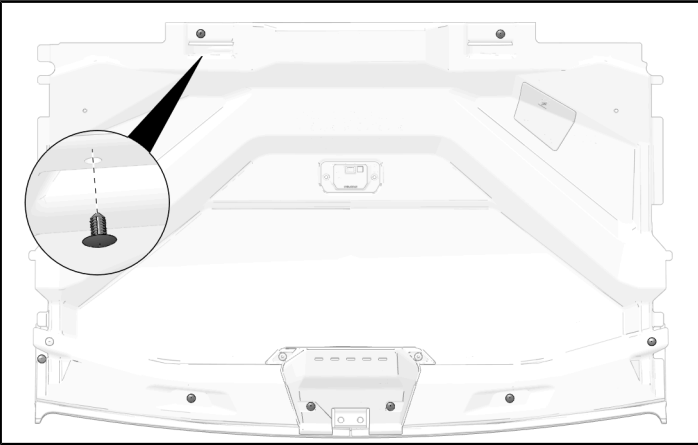
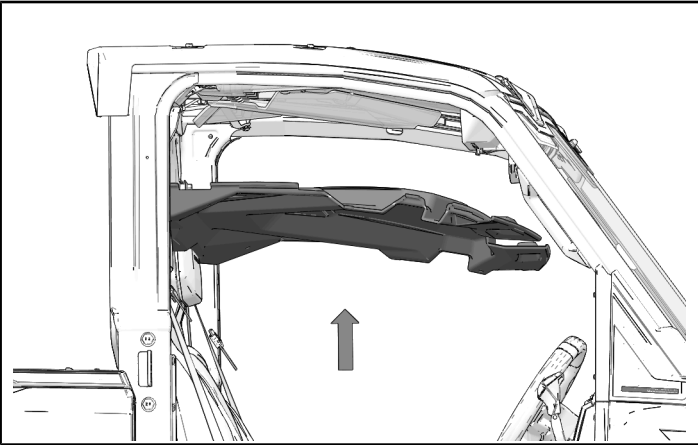
TORQUE
Screws ①:
22 in-lbs (2.5 N·m)



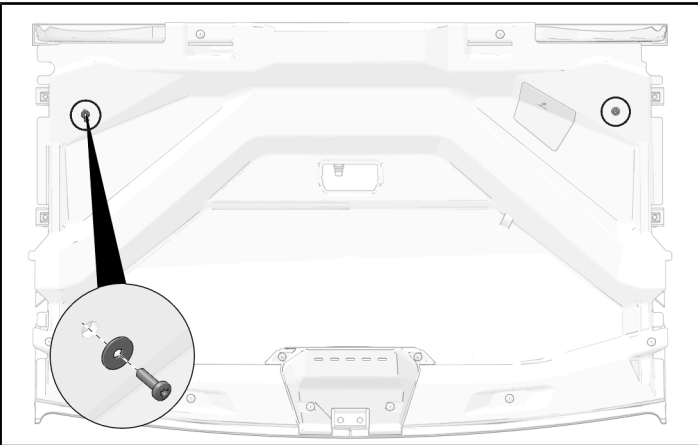
ROOF LINER INSTALLATION

1. Install roof liner using eight push darts.

NOTICE
If kit contains new push dart clips, install roof liner using new push dart clips.



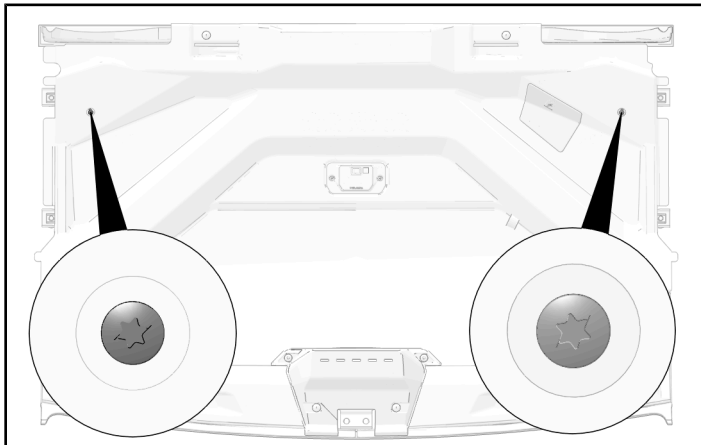
2. Install two screws in roof liner.



3. Torque two rear corner screws to specification.

TORQUE

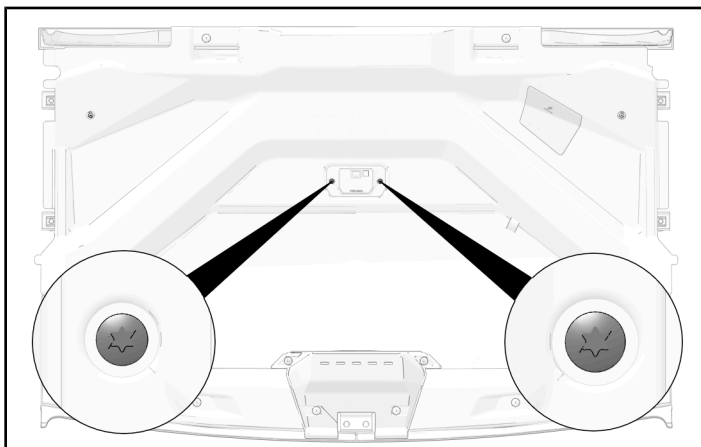
Rear Corner Screws:
22 in-lbs (2.5 N·m)



4. If dome light is not installed, install two screws into center of roof liner. Torque screws to specification.

TORQUE

Center Roof Screws:
9 in-lbs (1 N·m)

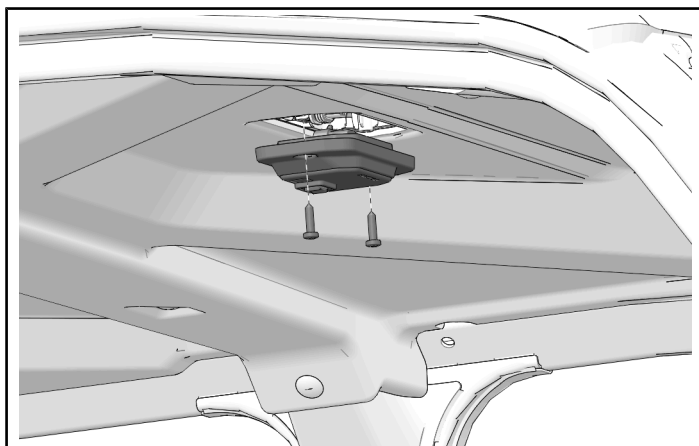


DOME LIGHT INSTALLATION

1. Reconnect dome light connection. Install dome light onto roof with two screws. Torque two screws to specification.

TORQUE

Screws:
17 in-lbs (2 N·m)

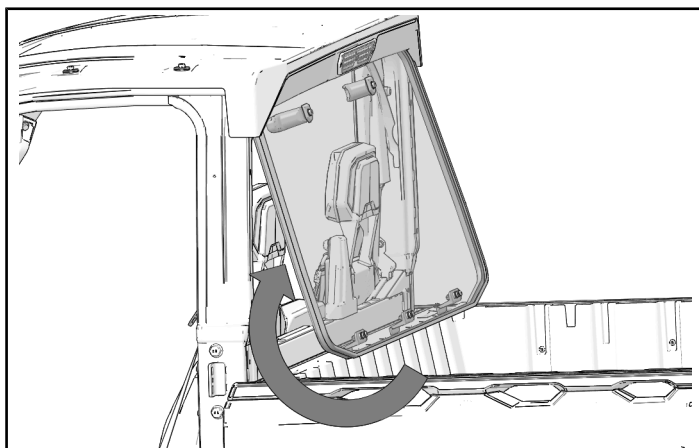


REAR GLASS PANEL INSTALLATION

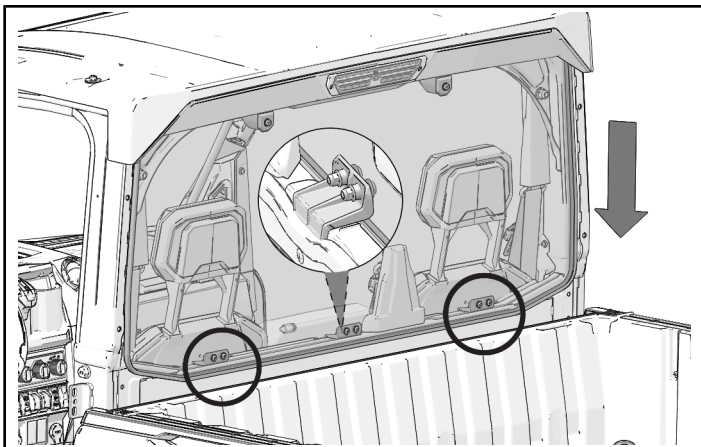
IMPORTANT

Polaris recommends two people install rear panel. The rear panel is heavy and may be difficult for one person to easily handle.

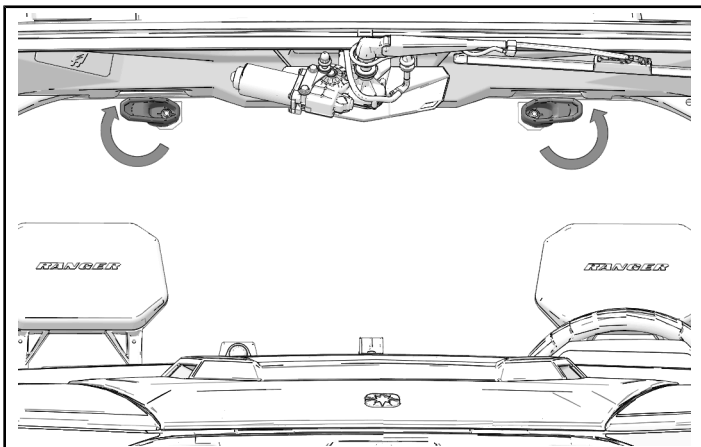
1. Put rear glass panel underneath rear of roof.



2. Put rear panel mounts onto the cab frame.



3. Turn handles up.



A-PILLAR PANEL INSTALLATION

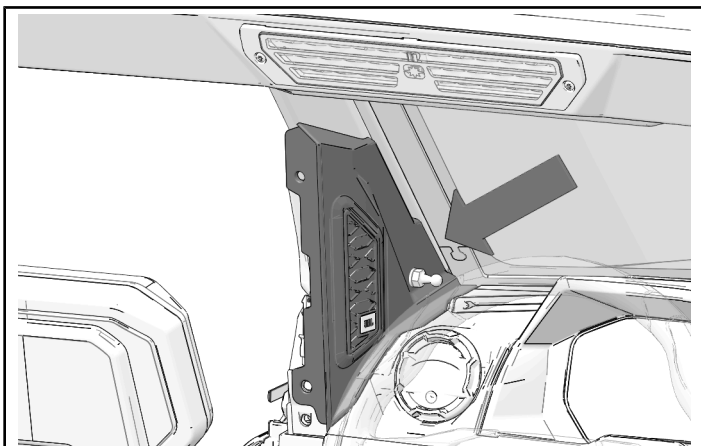
NOTICE

Door hidden for clarity.

NOTICE

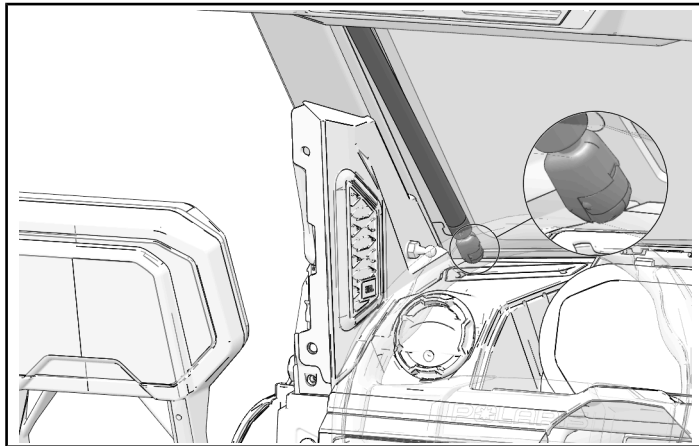
Left side shown; right side similar.

1. Install inner A-pillar panel onto A-pillar.

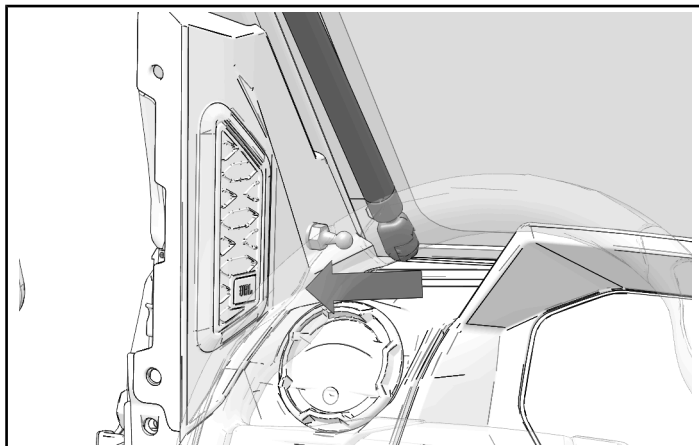


IF EQUIPPED WITH TIP-OUT WINDSHIELD

1. Move clip onto windshield shock end until it is seated inside shock.

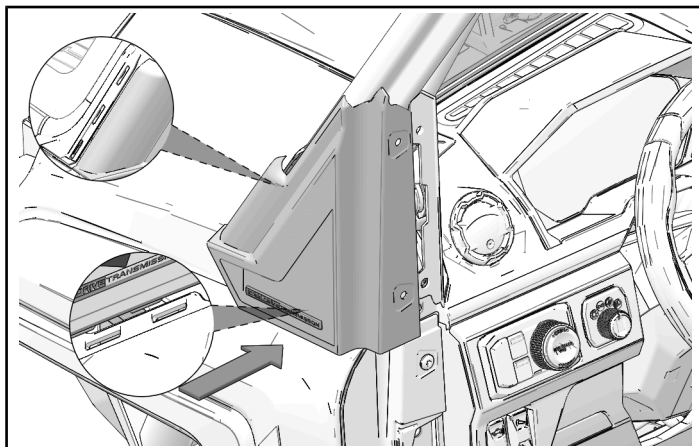


2. Install shock end onto ball end.

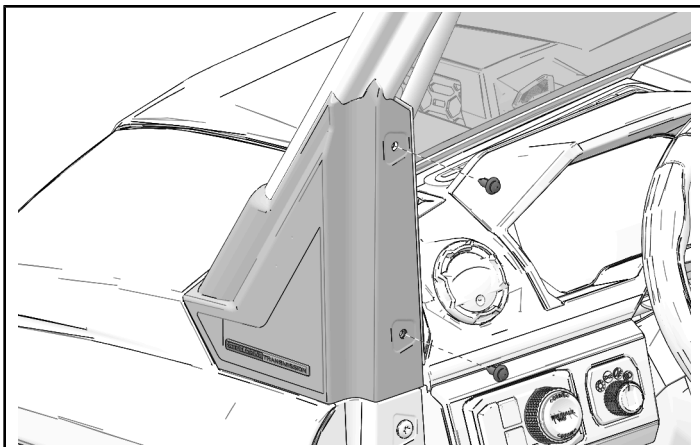


A-PILLAR OUTER PANEL INSTALLATION

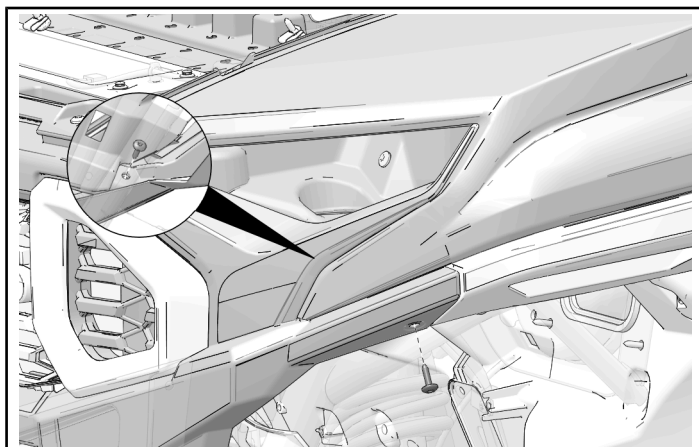
1. Put A-pillar panel onto A-pillar. Make sure the tabs go into the front and bottom slots.



2. Install two push-pin rivets into A-pillar panel.

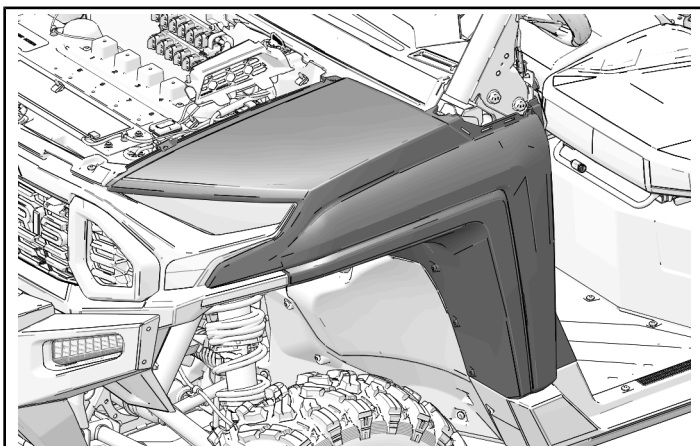


2. Loosely install two kept screws underneath front of left fender.

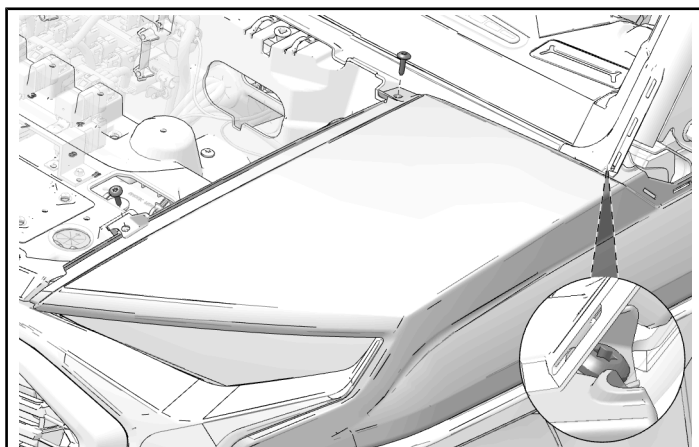


LEFT FRONT FENDER INSTALLATION

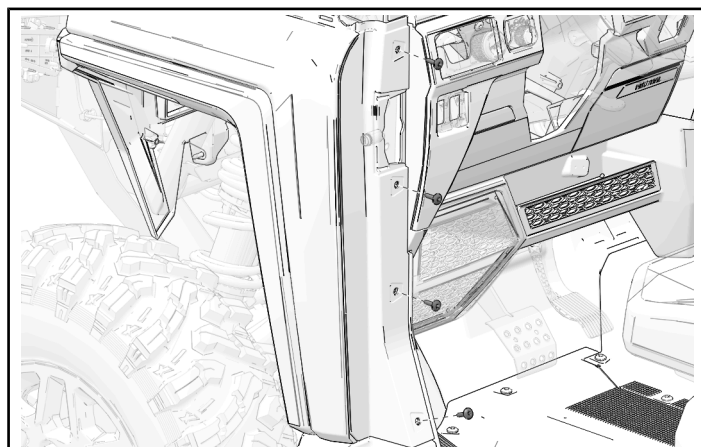
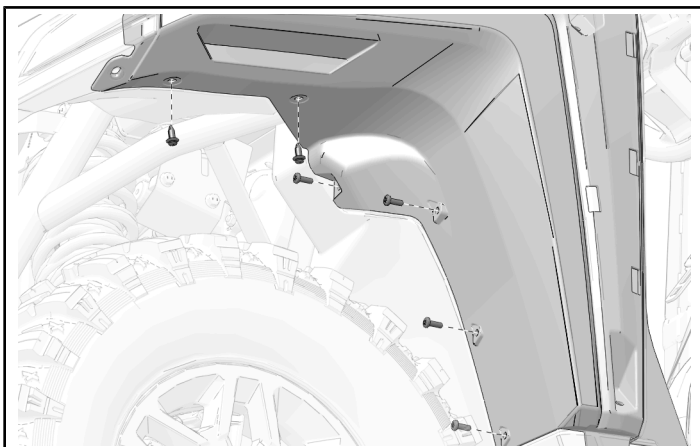
1. Loosely install left fender to vehicle using two push-pin rivets and four screws from under the fender.



3. Loosely install three kept screws into upper fender.



4. Loosely install four kept screws in driver side behind left front fender.



5. Torque all screws to specification.

TORQUE

Front Fender Screws:
22 in-lbs (2.5 N·m)

INNER HOOD INSTALLATION

1. Install inner hood onto front of vehicle. Turn knob outwards until it points towards the lock symbol.

