

ROOF LIGHTBAR KIT

POLARIS

ENGINEERED PARTS
ACCESSORIES & APPAREL

P/N 2891538

BEFORE YOU BEGIN

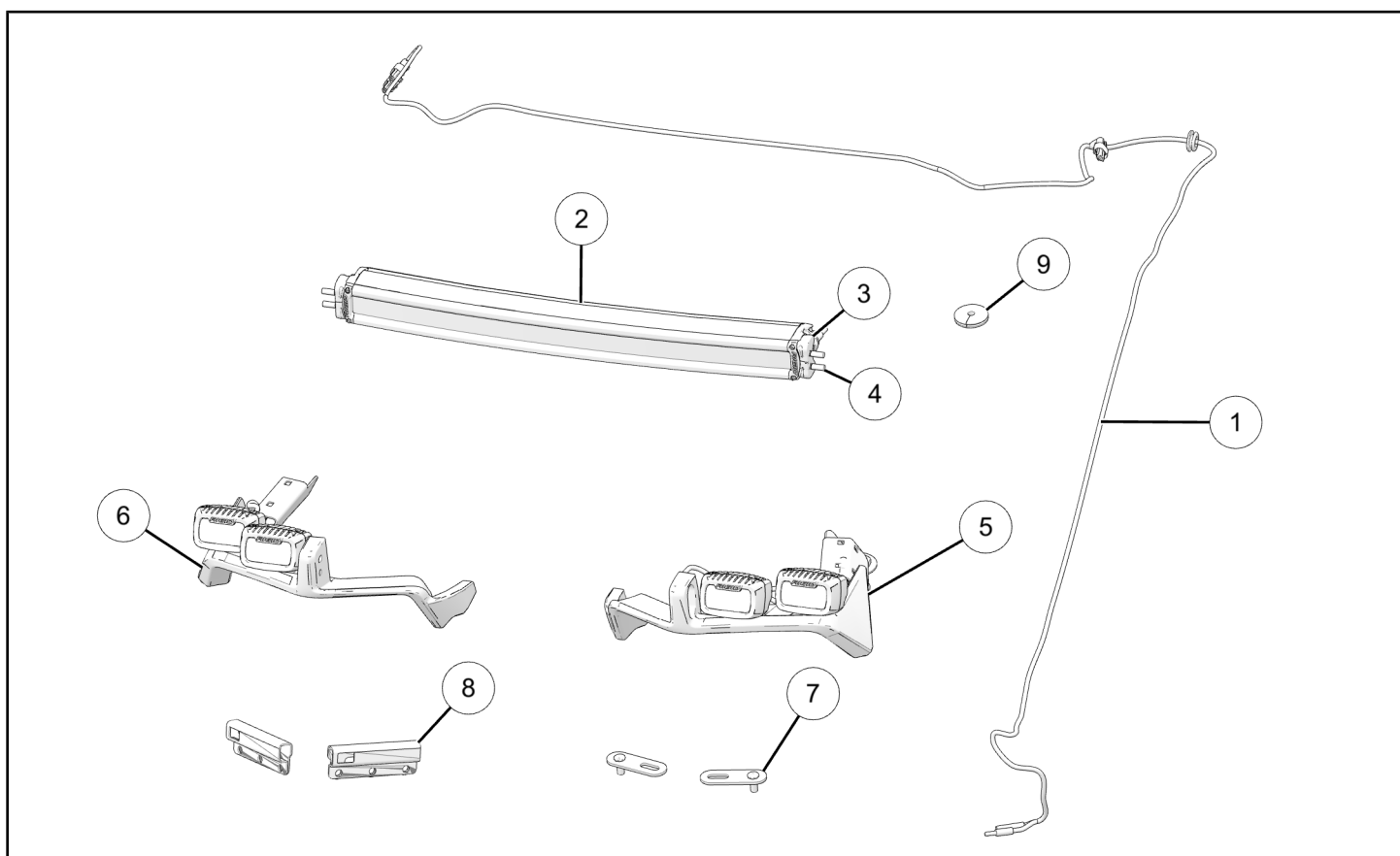
Before beginning assembly, inspect the kit and its component(s) to be sure all parts and tools are accounted for and not damaged. If missing parts or parts are damaged, please contact your Selling Dealer for assistance.

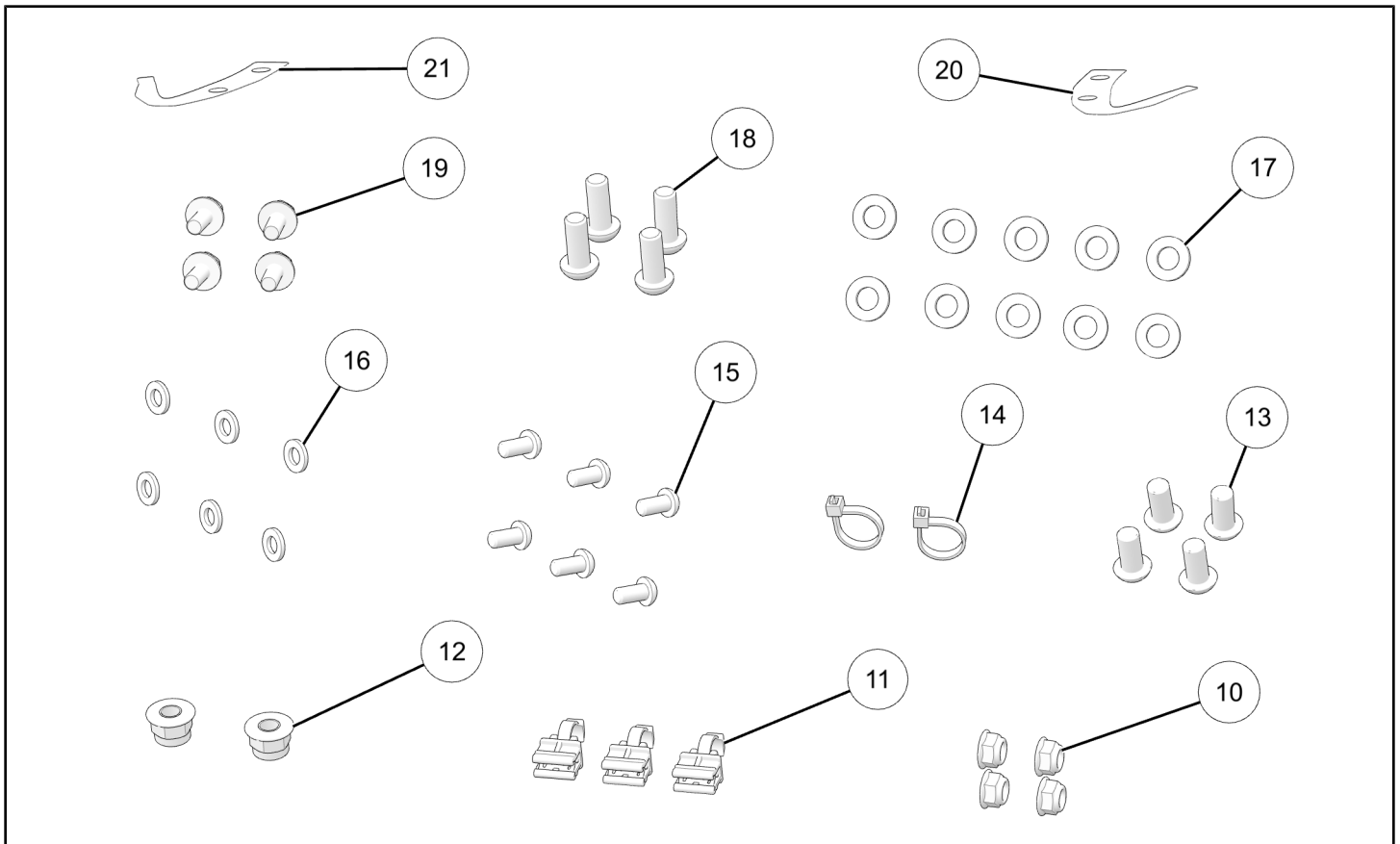
If your accessory was purchased online, please contact POLARIS customer service at **1-800-POLARIS** (US & Canada only).

APPLICATION

Verify accessory fitment at www.polaris.com.

KIT CONTENTS





REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY
1	1	Harness, Lightbar	n/a
2	1	Assembly, Lightbar	4083612
3	2	Cap, End	n/a
4	4	End Screws	n/a
5	1	Mount, Lightbar, Left	n/a
6	1	Mount, Lightbar, Right	n/a
7	2	Plate, Backer	n/a
8	2	Retainer, Harness	n/a
9	1	Grommet	n/a
10	4	Nut, 1/4-20 mm	7547494
11	3	Clip, Edge	n/a
12	2	Nut, Hex Flange, M8 x 1.25 mm	7548028
13	4	Screw, Torx®, Button Head, M8 x 1.25 x 16 mm	7528177
14	2	Cable Tie	7080138
15	6	Screw, Torx®, Button Head, M6 x 1.0 x 12 mm	7519063
16	6	Washer, 6.4 x 12 x 1.6 mm	7557187
17	10	Washer, 8.4 x 16 x 1.6 mm	7556164

REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY
18	4	Screw, Torx®, Button Head, M8 x 1.25 x 20 mm	7519648
19	4	Screw, Hex Flange, M6 x 1.0 x 12 mm	7520525
20	1	Template, Left	n/a
21	1	Template, Right	n/a

TOOLS REQUIRED

- Safety Glasses
- Drill
- Drill Bit:
 - 13/32 in (10 mm)
- Hole Saw:
 - 1-1/4 in (32 mm)
- Pin Punch Set
- Socket Set, Hex Bit, Metric
- Socket Set, Torx® Bit
- Vise, Bench

CONSUMABLES REQUIRED

- Tape, Masking

IMPORTANT

Your Roof Lightbar 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

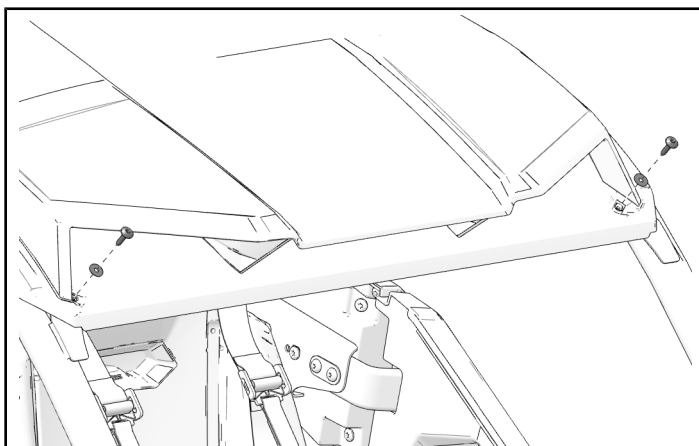
VEHICLE PREPARATION

GENERAL

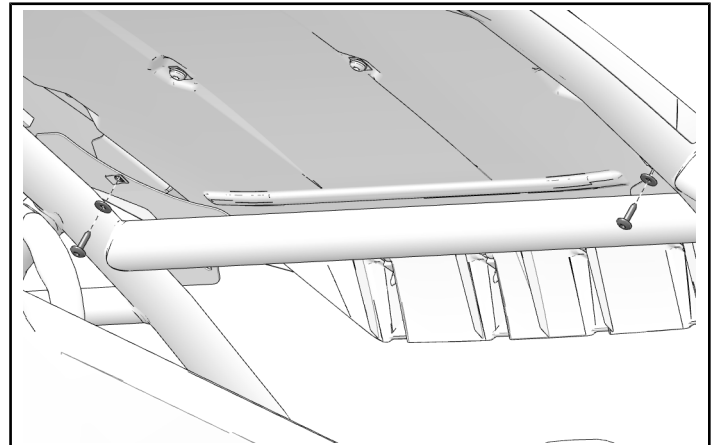
1. Park vehicle on a flat surface.
2. Shift vehicle into PARK.
3. Turn key to OFF position and remove key.

ROOF REMOVAL (2-PASSENGER MODELS)

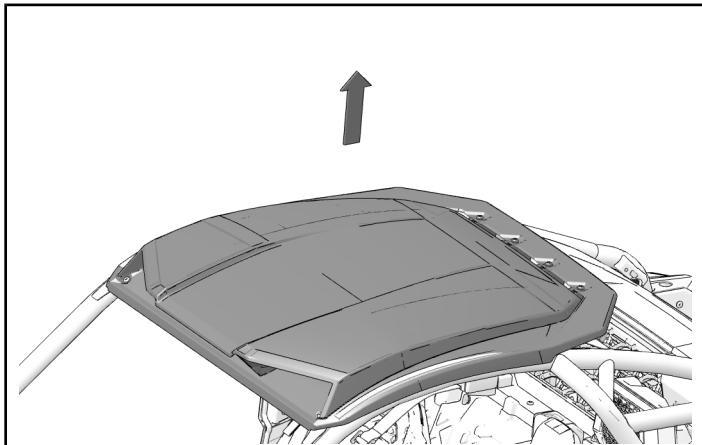
1. Remove two screws and two washers from front of roof.



2. Remove two screws and two washers from rear of roof.

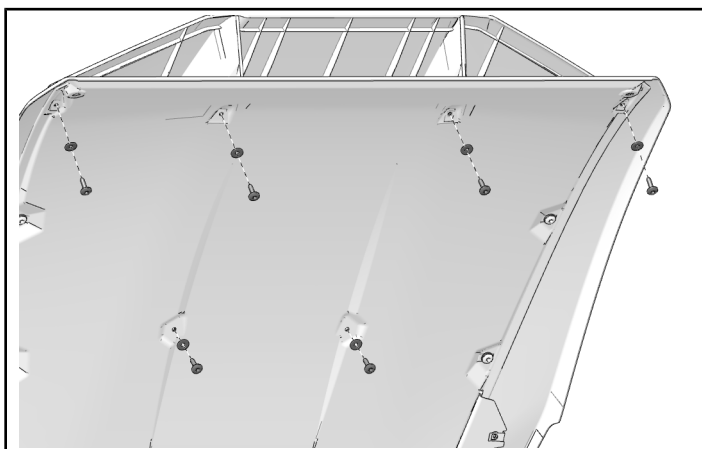


3. Remove roof from vehicle.

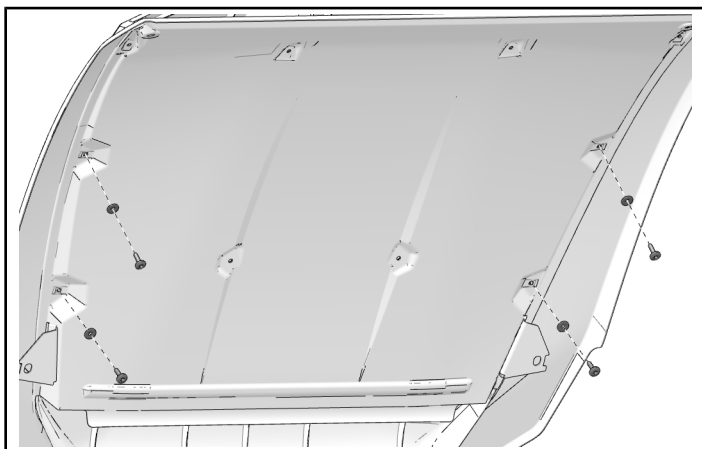


ROOF TOP REMOVAL (2-PASSENGER MODELS)

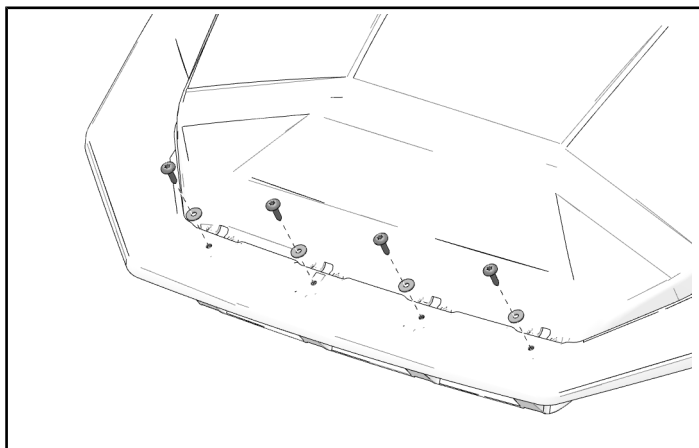
1. Remove six screws and six washers from roof assembly.



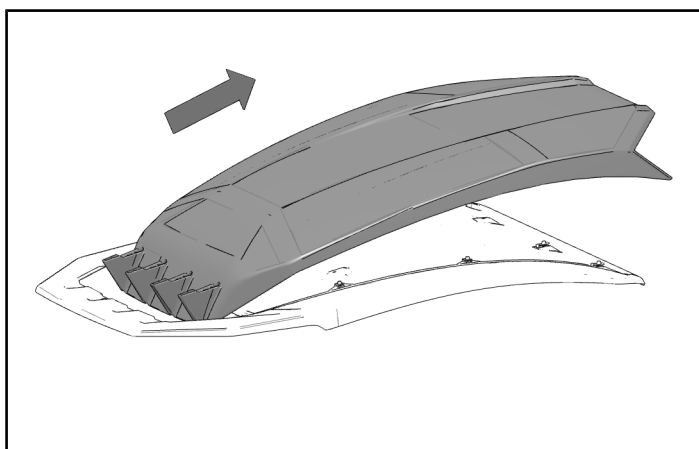
2. Remove four screws and four washers from roof assembly.



3. Remove four screws and four washers from rear of roof assembly.

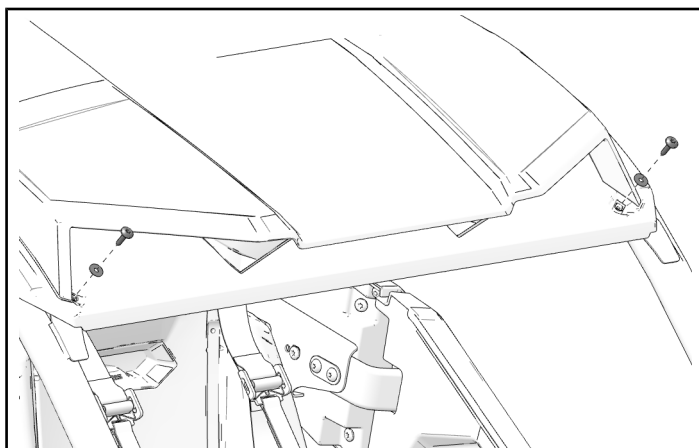


4. Remove roof top from roof assembly.

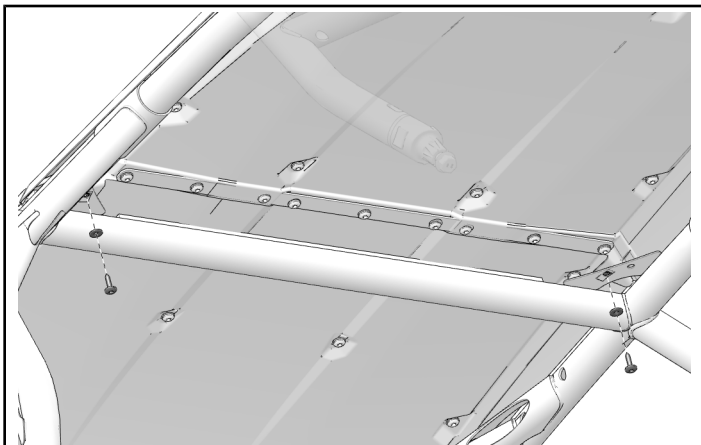


ROOF REMOVAL (4-PASSENGER MODELS)

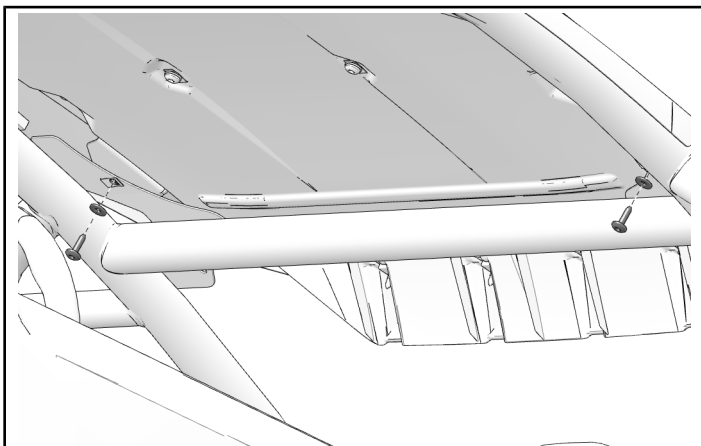
1. Remove two screws and two washers from front of roof.



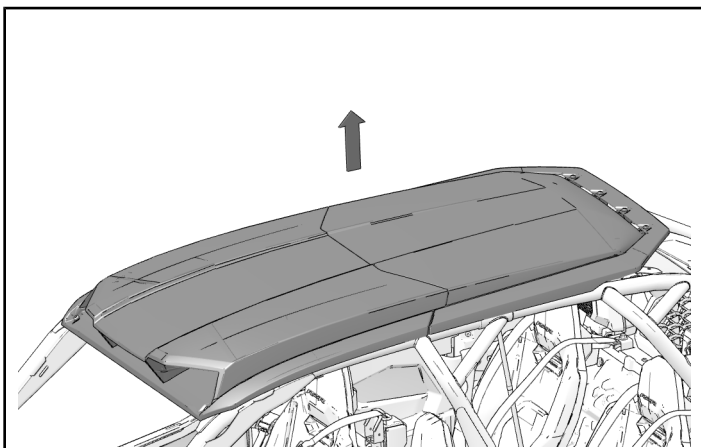
2. Remove two screws and two washers from middle section of roof.



3. Remove two screws and two washers from rear of roof.

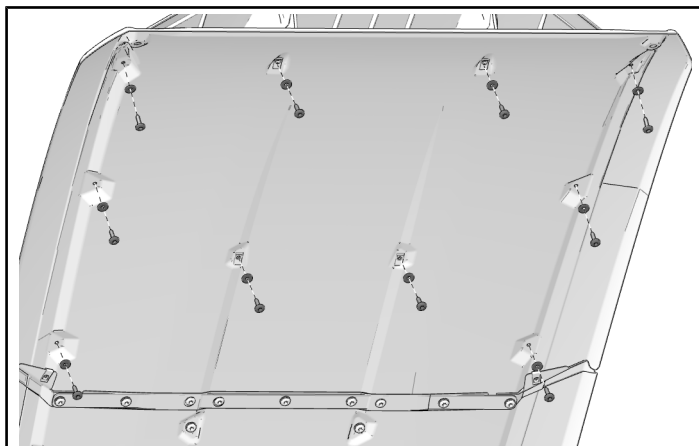


4. Remove roof from vehicle.

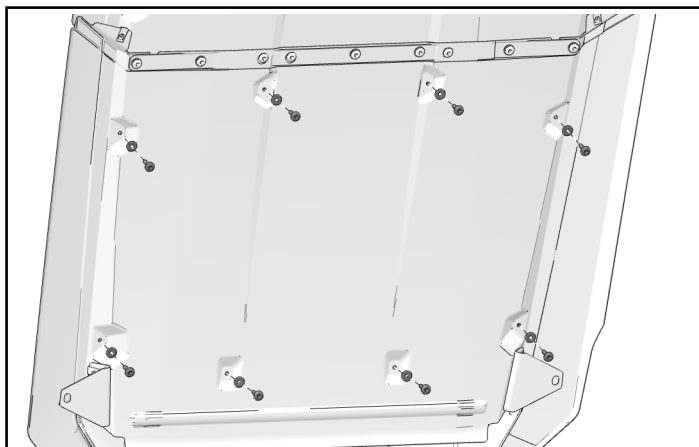


ROOF TOP REMOVAL (4-PASSENGER MODELS)

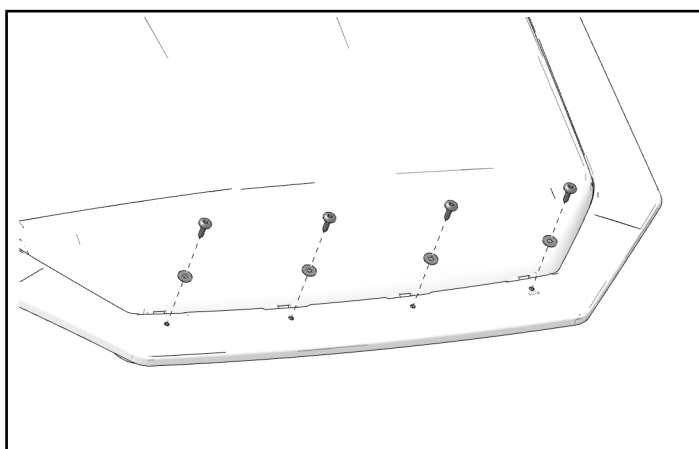
1. Remove ten screws and ten washers from front underside of roof.



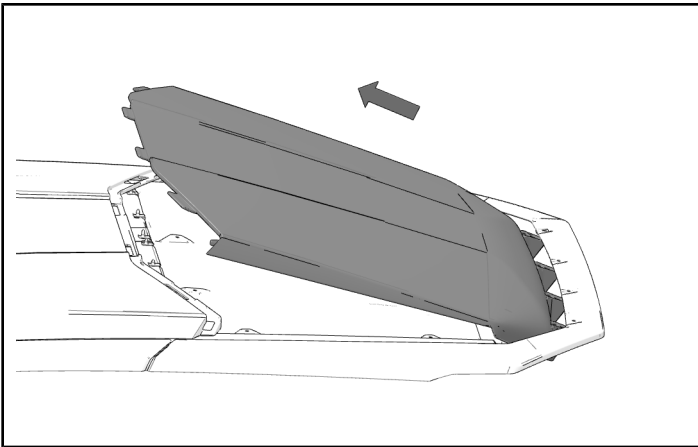
2. Remove eight screws and eight washers from rear underside of roof.



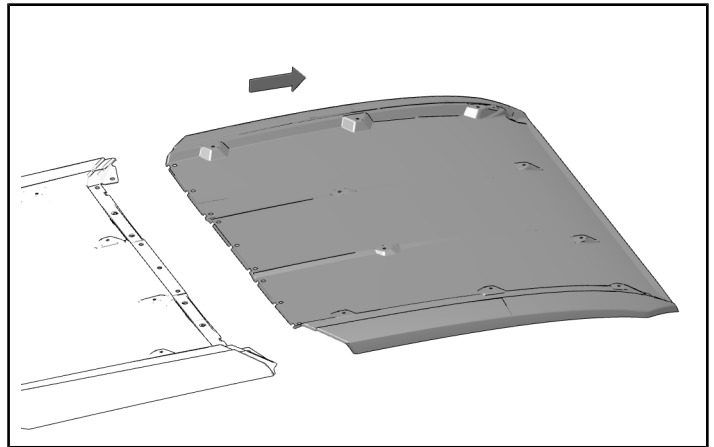
3. Remove four screws and four washers from rear upper side of roof.



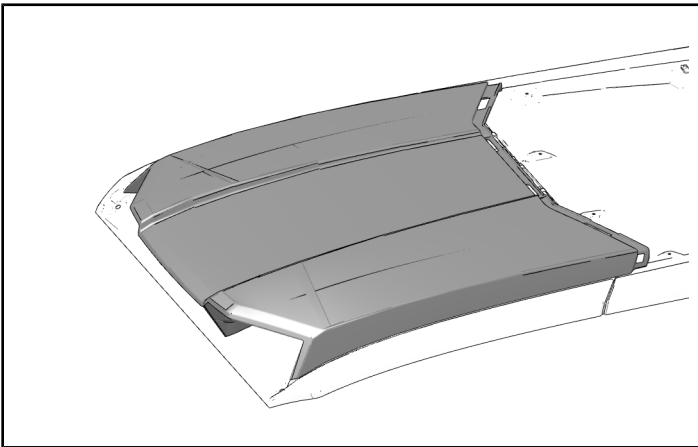
4. Remove rear roof top panel.



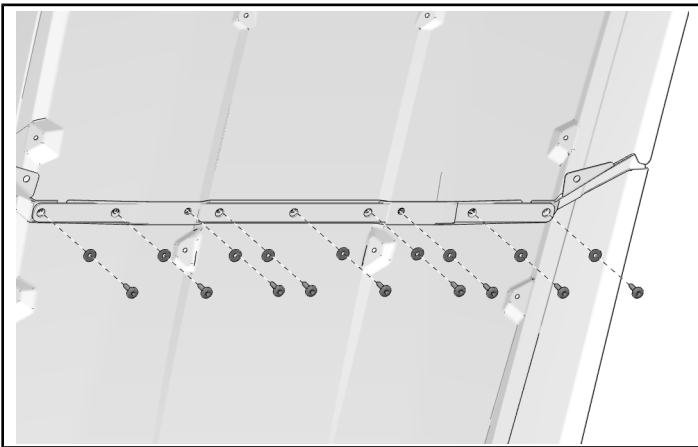
7. Pull front roof panel away from rear roof panel.



5. Remove front roof top panel.



6. Remove nine screws and nine washers from middle underside of roof.

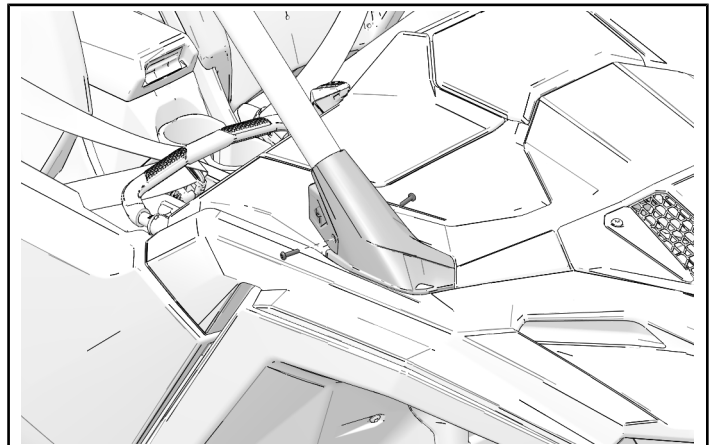


TWEETER REMOVAL (IF EQUIPPED)

NOTICE

Right side shown; left side similar.

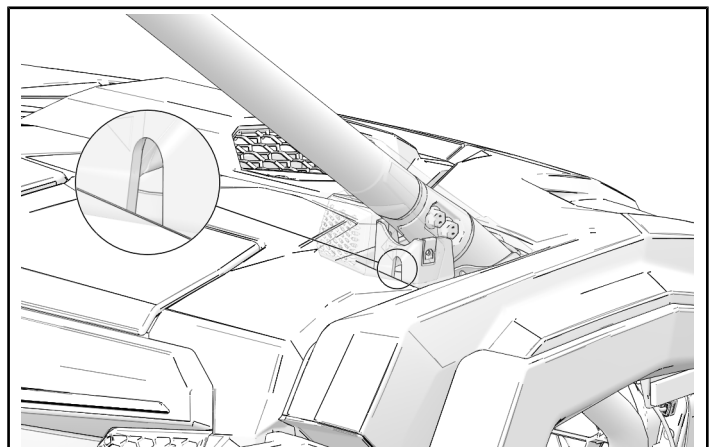
1. Remove two screws from A-pillar cover.



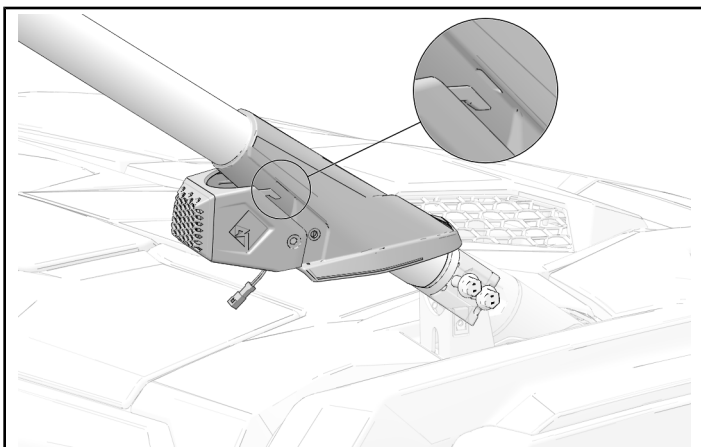
2. Move A-pillar cover up to disconnect tweeter from vehicle.

NOTICE

Tweeter and shroud hidden for clarity.

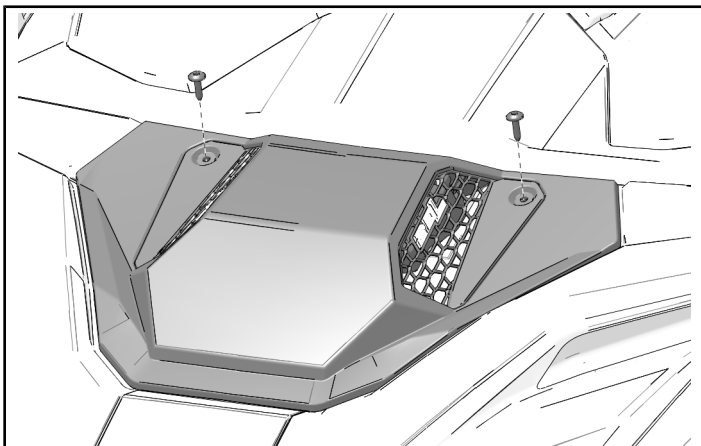


3. Remove tweeter hooks from A-pillar cover. Set aside tweeter.



CENTER HOOD REMOVAL

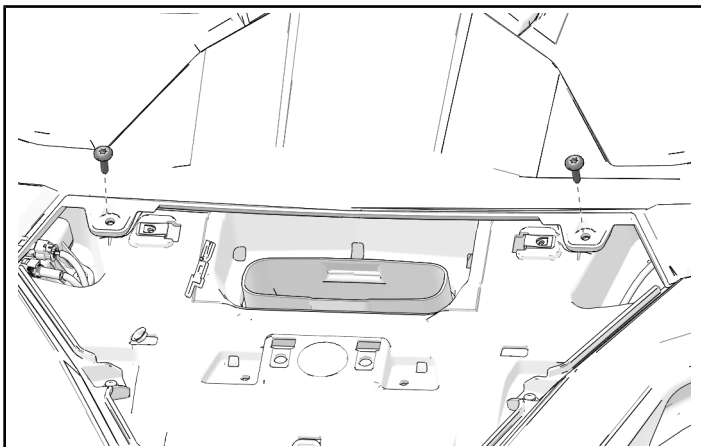
1. Remove two screws from center hood panel.



2. Remove center hood.

DASH REMOVAL

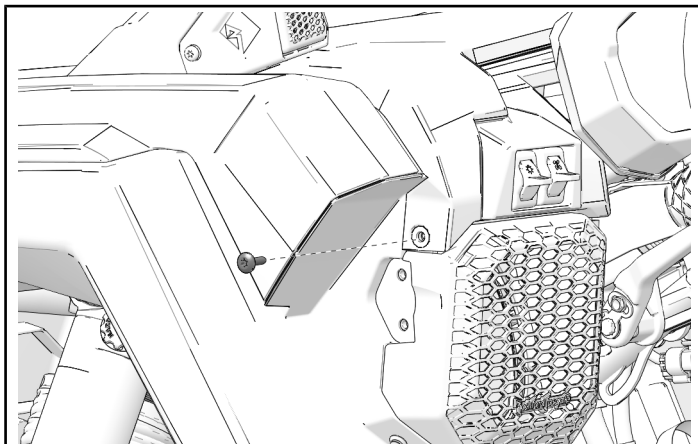
1. Remove two screws from dash panel.



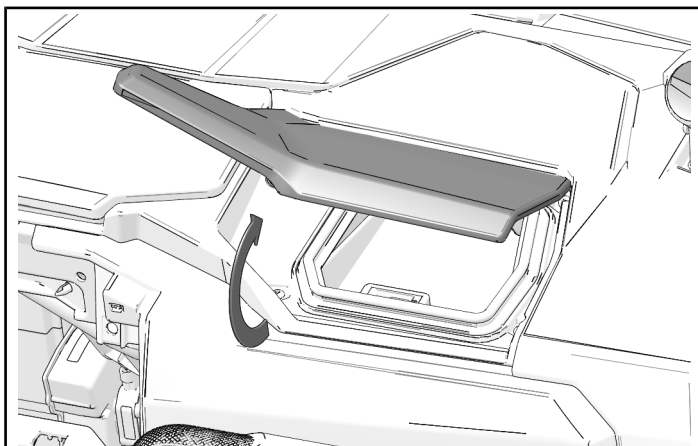
2. Remove screw from inner dash panel.

NOTICE

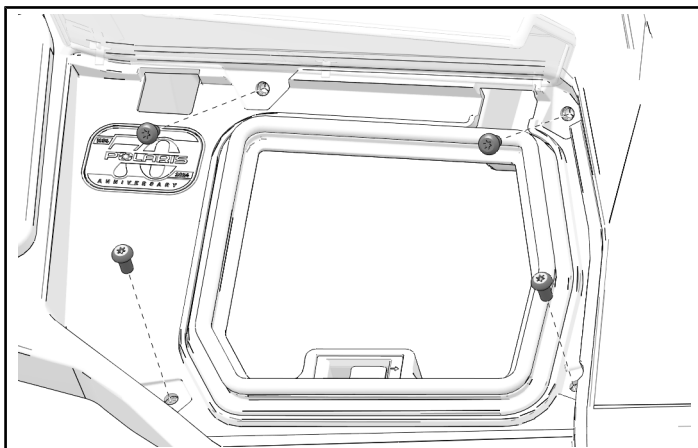
Left side shown; right side similar.



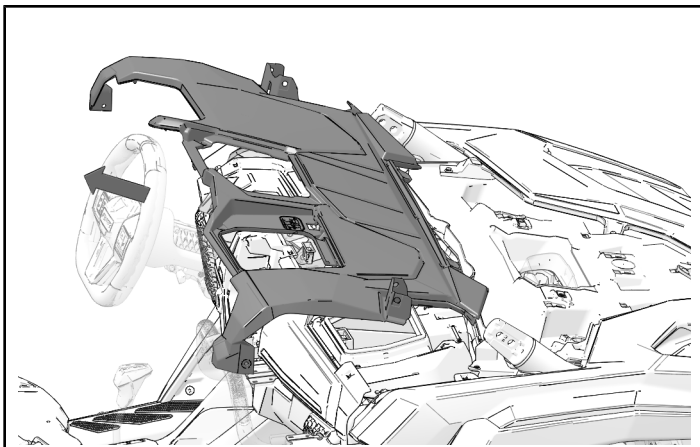
3. Open glove compartment by lifting upward.



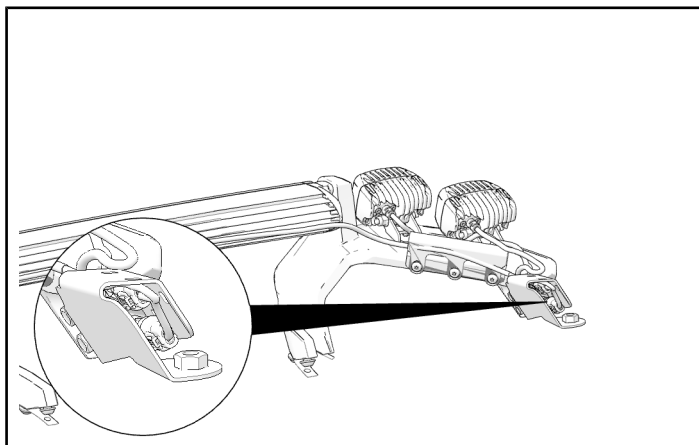
4. Remove four screws from interior of glove compartment.



5. Pull dash panel out and up to remove from vehicle.



2. Connect lightbar harness ① to passenger side light pod connectors.



ACCESSORY INSTALLATION (2-PASSENGER MODELS)

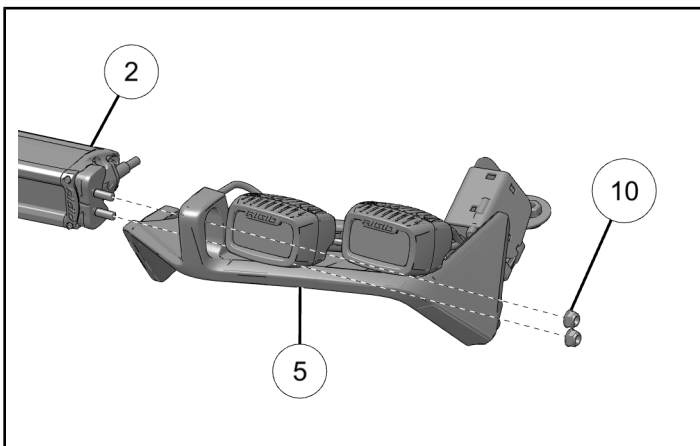
LIGHT BAR ASSEMBLY

1. Install lightbar mount ⑤ to lightbar ② using two nuts ⑩. Tighten nuts until fully seated, then loosen nuts one turn.

NOTICE

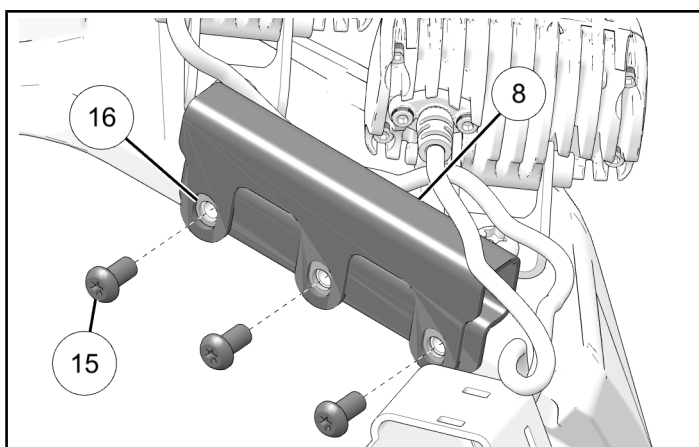
Left side shown; right side similar.

DO NOT torque fasteners at this time.

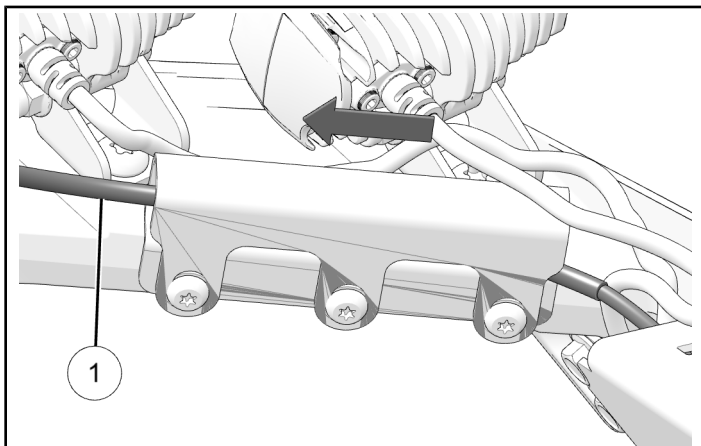


3. Install harness retainer ⑧ to passenger side of light bar assembly using three screws ⑮ and three washers ⑯.

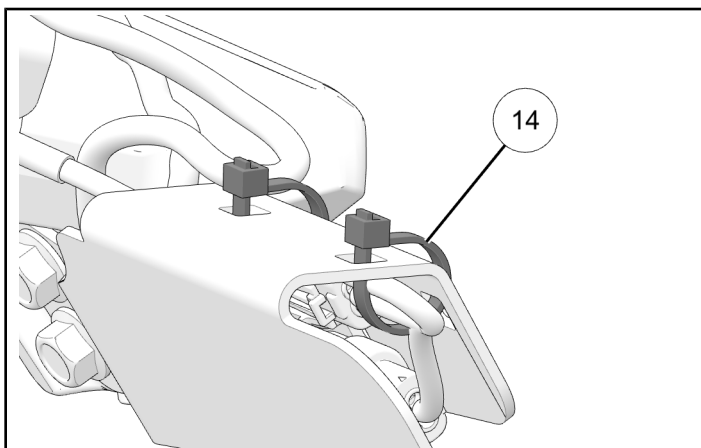
DO NOT torque fasteners at this time.



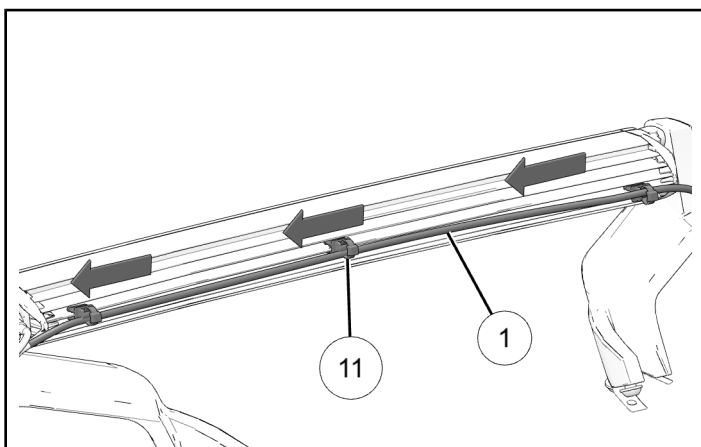
4. Route harness ① through harness retainer on passenger side of light bar assembly towards center of lightbar assembly.



5. Install two cable ties ⑭ to passenger side of lightbar harness through slot in roof lightbar assembly.

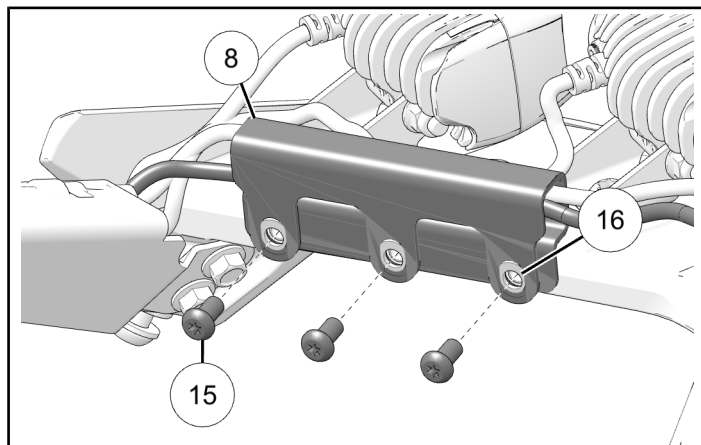


6. Route lightbar harness ① along lightbar assembly. Attach lightbar harness to lightbar assembly using three edge clips ⑪.

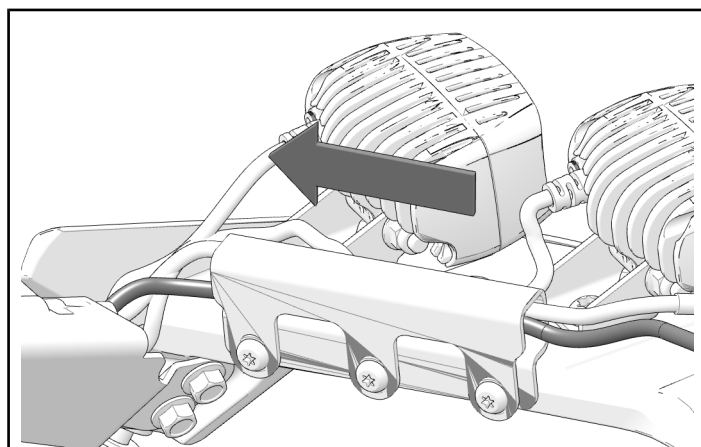


7. Install harness retainer ⑧ to drivers side of light bar assembly using three screws ⑮ and three washers ⑯.

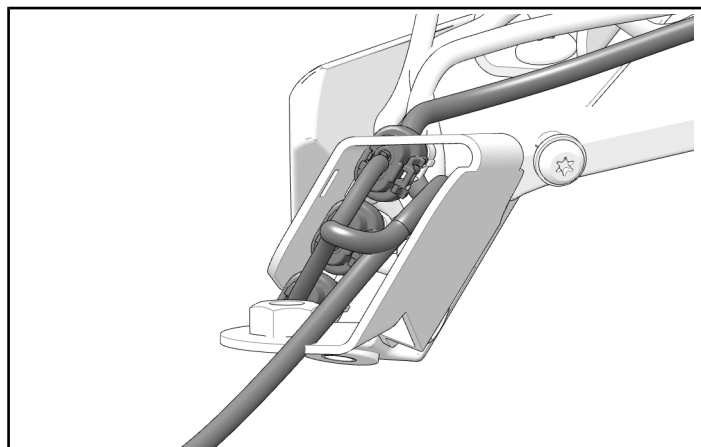
DO NOT torque fasteners at this time.



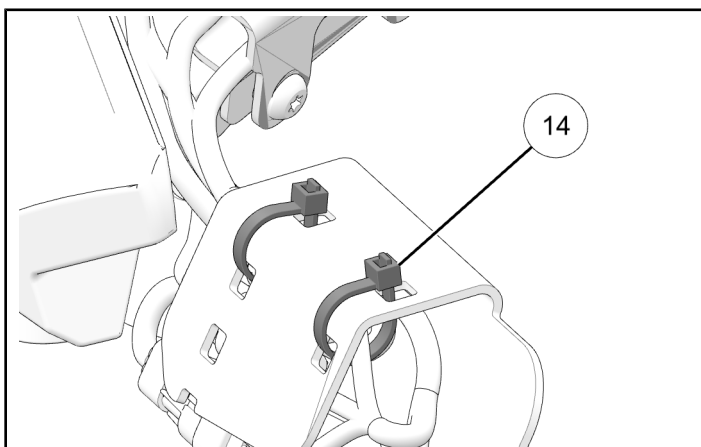
8. Route harness through harness retainer on driver side of light bar assembly towards outer side of lightbar assembly.



9. Connect lightbar harness to driver side light pod connectors.



10. Install two cable ties to driver side of lightbar harness through slots in roof lightbar assembly.



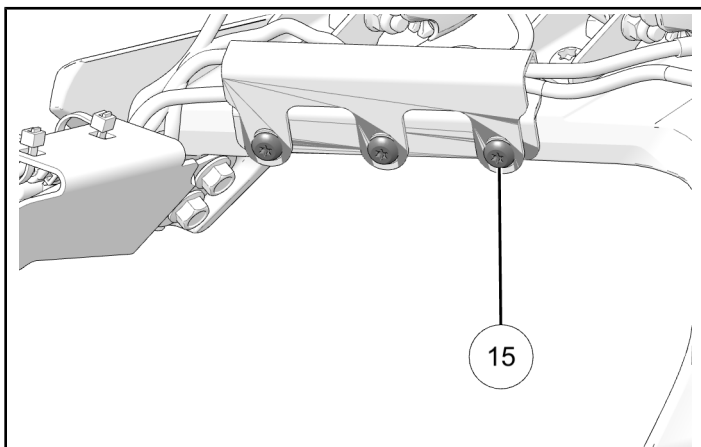
11. Torque three harness retainer screws to specification.

NOTICE

Left side shown; right side similar.

TORQUE

Screws (15):
27 in-lbs (3 N·m)

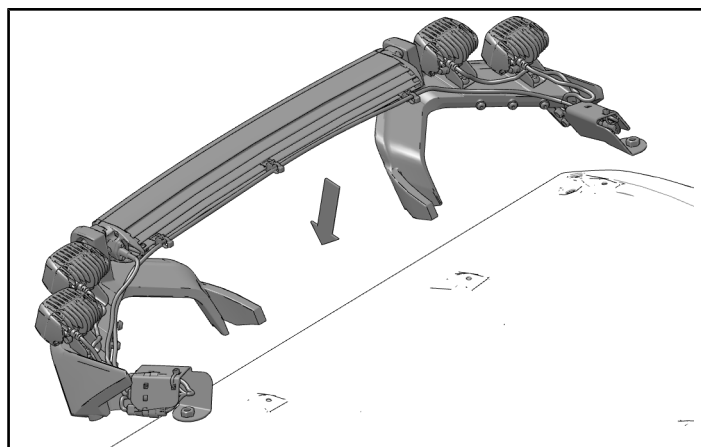


ROOF PREPARATION

1. Put lightbar assembly in place on roof.

NOTICE

Polaris recommends the use of an assistant for this step.



2. Install screw (18) to lightbar assembly.

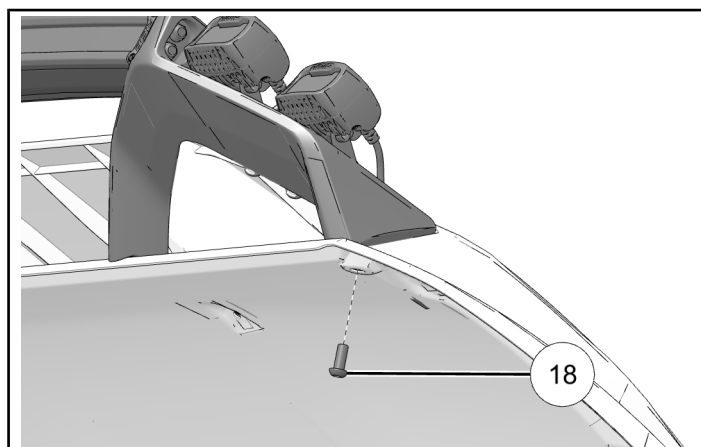
NOTICE

Polaris recommends the use of an assistant for this step.

NOTICE

Left side shown; right side similar.

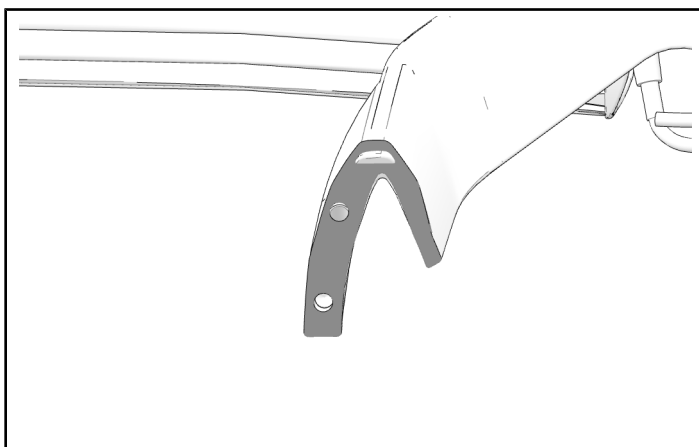
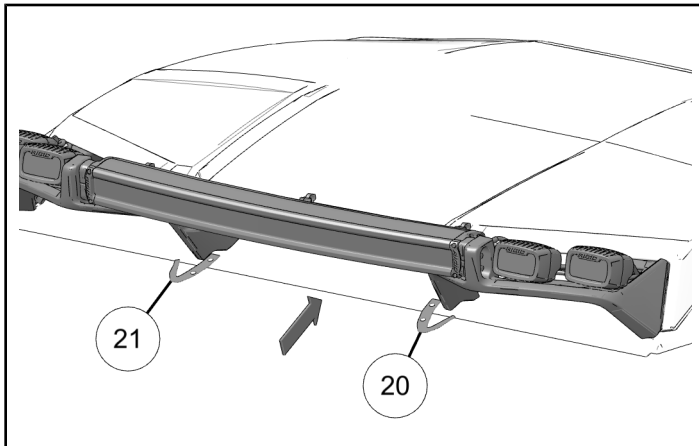
DO NOT torque fasteners at this time.



3. Put lightbar templates ⑳, ㉑ in place on underside of center legs of lightbar assembly. Make sure holes on template align with holes on bottom of center legs of lightbar assembly.

TIP

Flex roof slightly downward to make room for template installation.



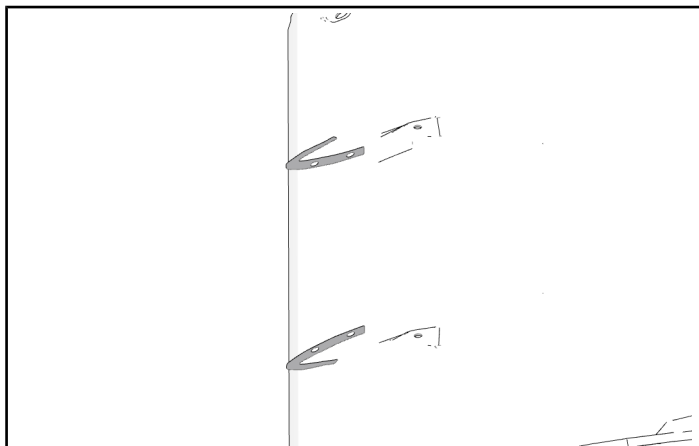
4. Tape templates to roof.

IMPORTANT

Front of templates will have line marked where casting edge of roof corresponds.

NOTICE

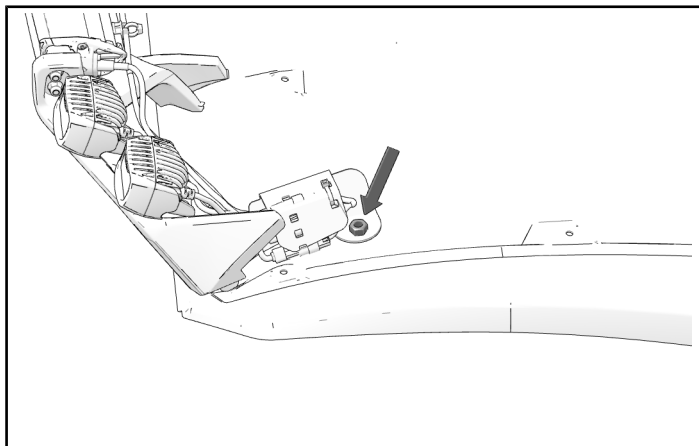
Roof lightbar assembly has been hidden for clarity.



5. Mark drill locations using rear holes of lightbar mount as a guide.

NOTICE

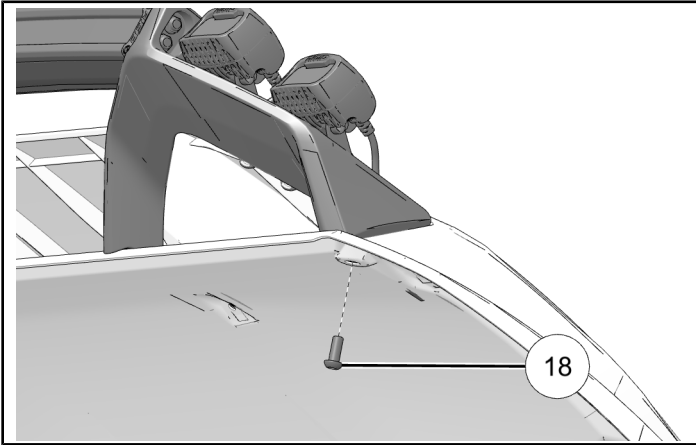
Left side shown; right side similar.



6. Remove screw ⑮ to remove lightbar assembly from roof.

NOTICE

Left side shown; right side similar.



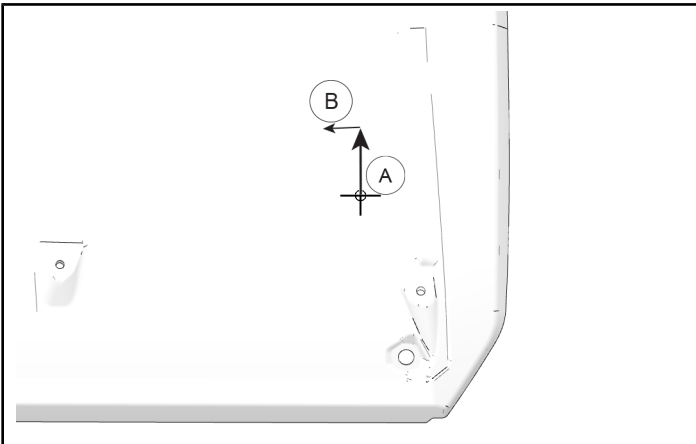
7. Measure rearwards and inwards using previously marked location as a starting point and mark cutting location.

MEASUREMENT

Measurement A: **1-9/10 in (50 mm)**

MEASUREMENT

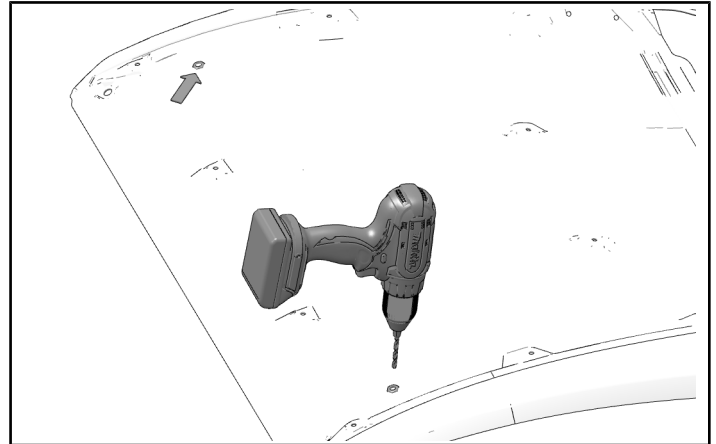
Measurement B: **13/32 in (10 mm)**



8. Drill two holes in previously marked locations.

MEASUREMENT

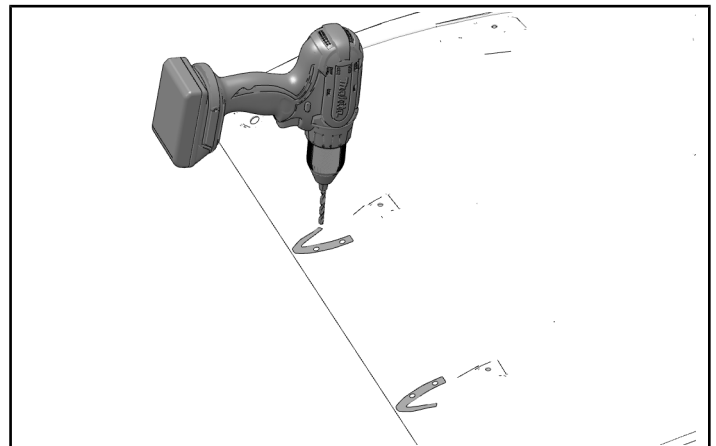
Drill Bit Size: **13/32 in (10 mm)**



9. Drill four holes in locations marked by templates. Remove templates from roof after drilling holes.

MEASUREMENT

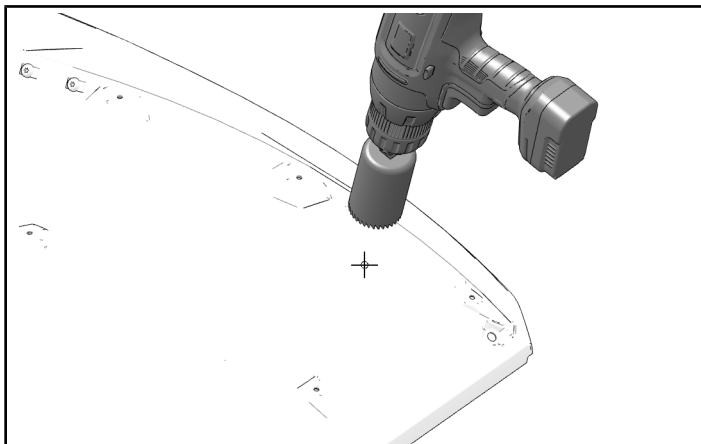
Drill Bit Size: **13/32 in (10 mm)**



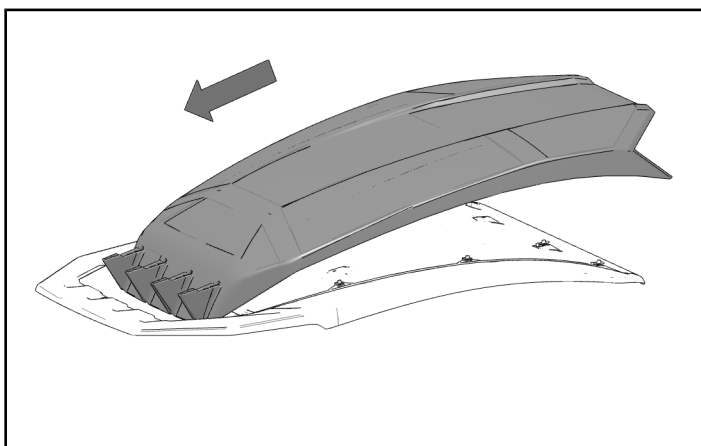
10. Cut hole in previously marked location.

MEASUREMENT

Hole Saw Size: **1-1/4 in (32 mm)**

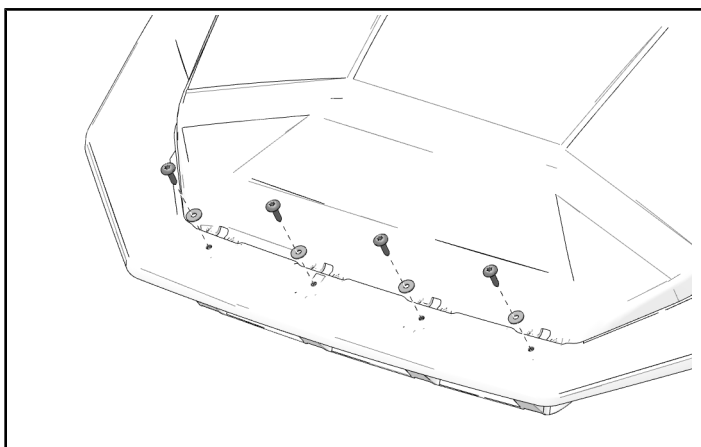


11. Put roof top in place on roof.



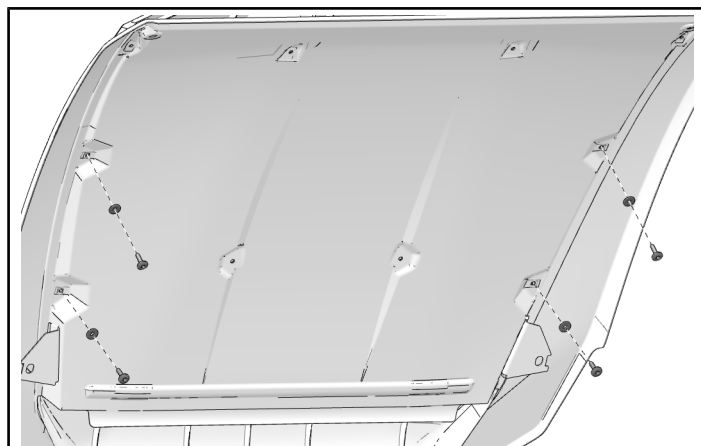
12. Install four kept screws and four kept washers at rear of roof assembly.

DO NOT torque fasteners at this time.



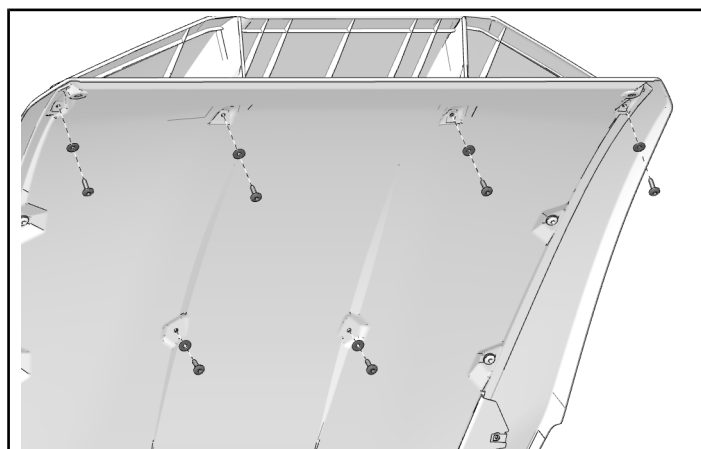
13. Install four screws and four washers on underside of roof assembly.

DO NOT torque fasteners at this time.



14. Install six screws and six washers on underside of roof assembly.

DO NOT torque fasteners at this time.



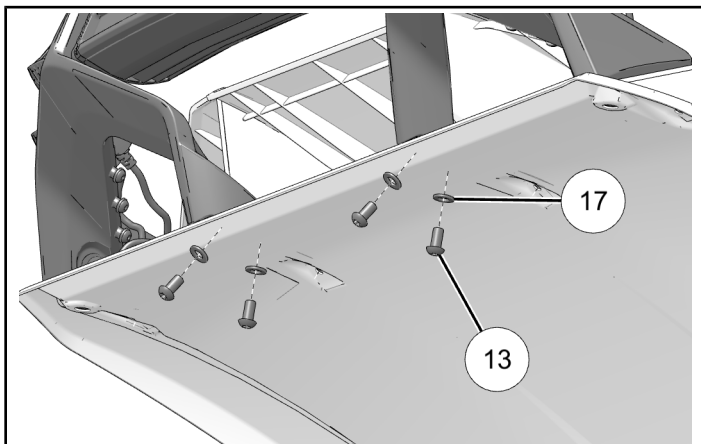
15. Torque all roof screws to specification.

TORQUE

Screws:
11 ft-lbs (15 N·m)

16. Install lightbar assembly to roof using four screws ⑬ and four washers ⑰.

DO NOT torque fasteners at this time.

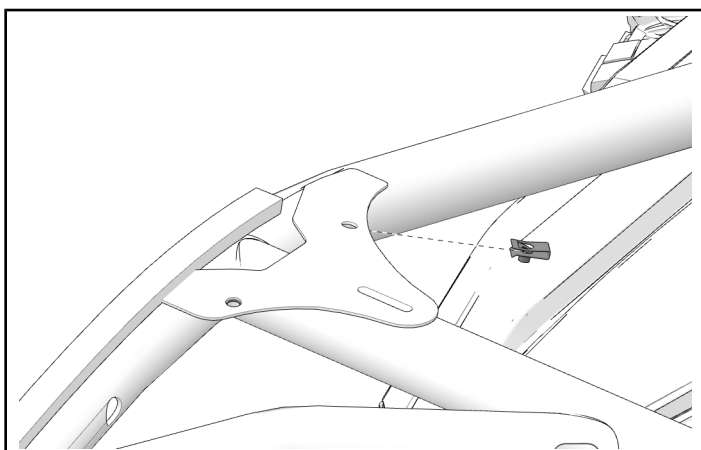


ROOF LIGHTBAR INSTALLATION

1. Remove screw clip from front gusset of front ROPS bracket.

NOTICE

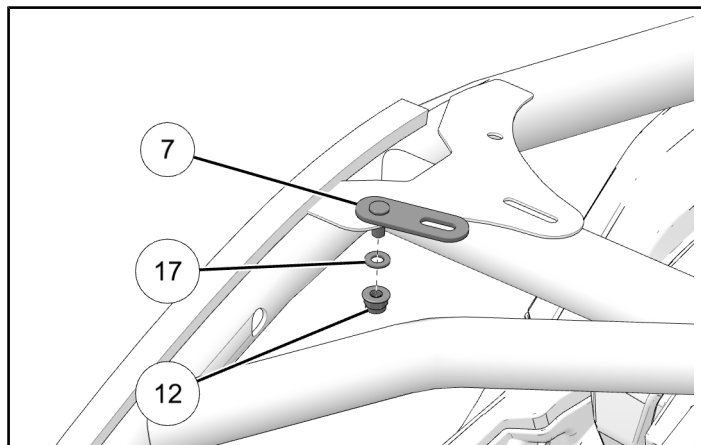
Left side shown; right side similar.



2. Install backer plate ⑩ to rear gusset for front ROPS bracket using washer ⑲ and nut ⑳.

NOTICE

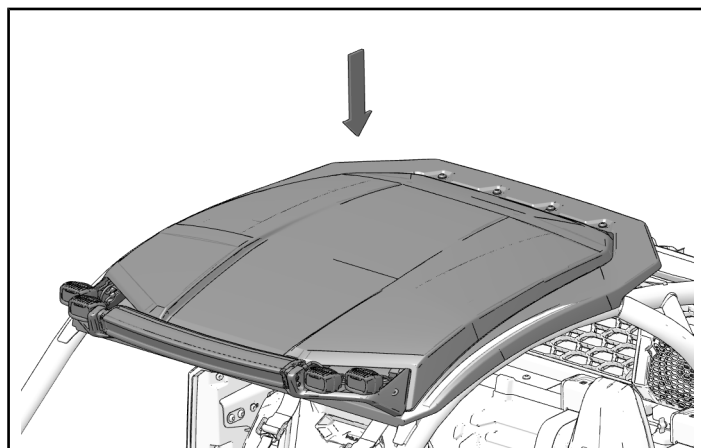
Left side shown; right side similar.



3. Put roof assembly on top of ROPS.

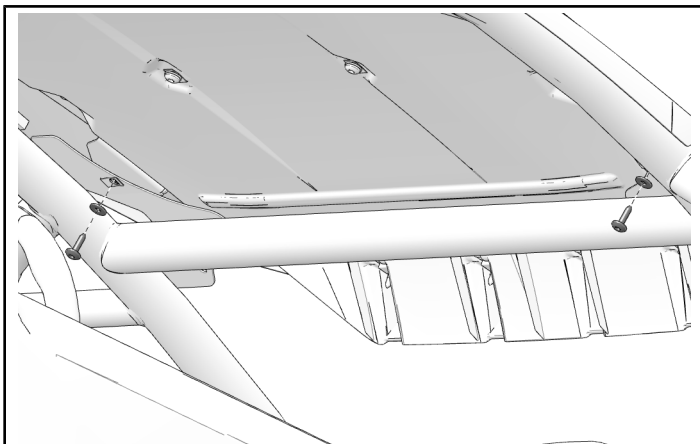
NOTICE

Polaris recommends the use of an assistant for this step.



4. Install two kept screws and two washers to rear corners of roof assembly.

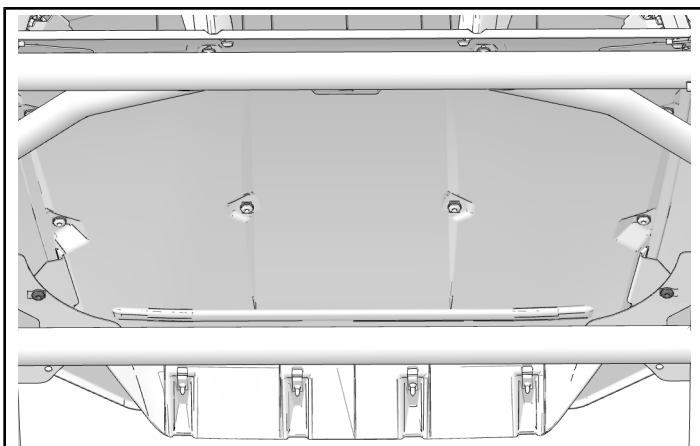
DO NOT torque fasteners at this time.



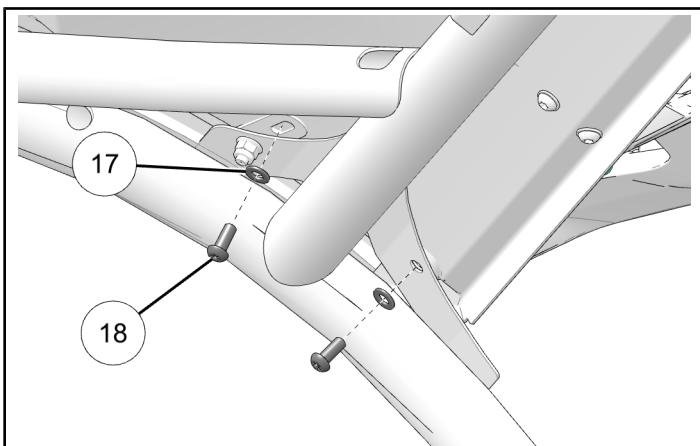
5. Torque rear roof screws to specification.

TORQUE

Rear Roof Screws:
11 ft-lbs (15 N·m)



6. Install two screws ⑱ and two washers ⑰ to front ROPS bracket.



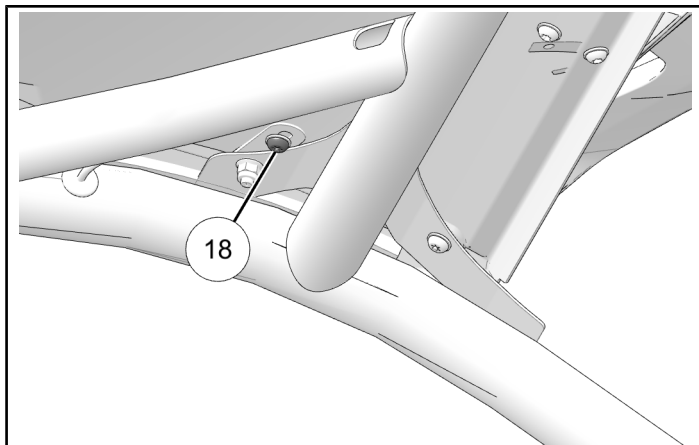
7. Torque rear ROPS bracket screw ⑱ to specification.

NOTICE

Left side shown; right side similar.

TORQUE

Screw ⑱:
21 ft-lbs (28 N·m)



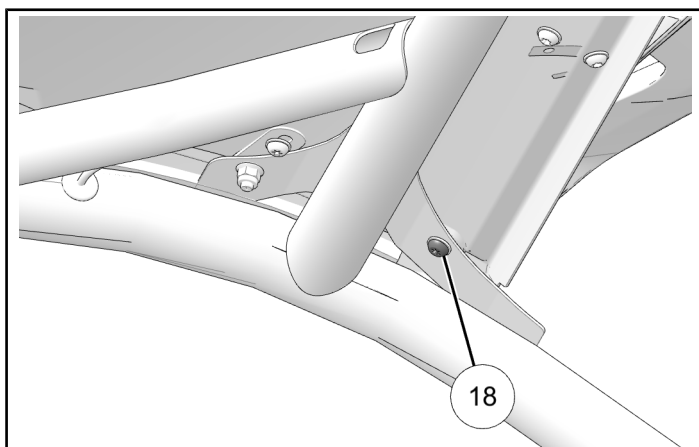
8. Torque forward ROPS bracket screw ⑱ to specification.

NOTICE

Left side shown; right side similar.

TORQUE

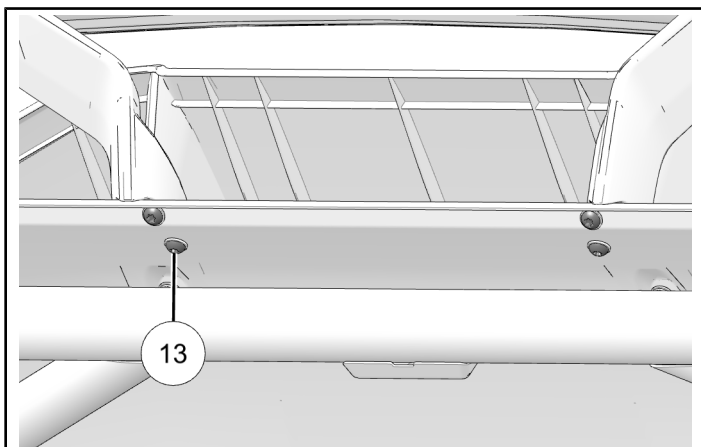
Screw ⑱:
21 ft-lbs (28 N·m)



9. Torque screws ⑬ at front center of roof to specification.

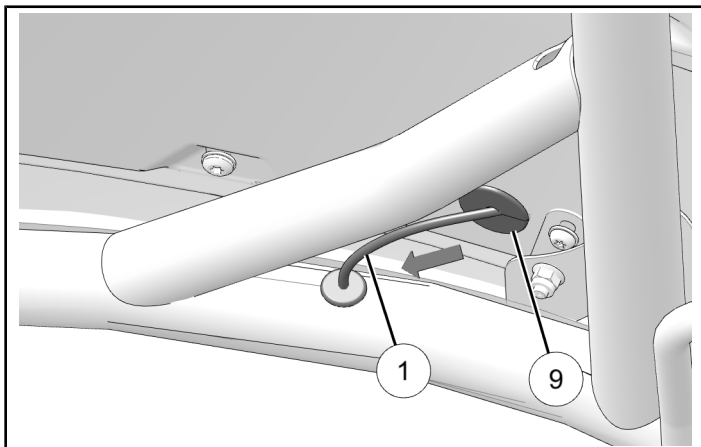
TORQUE

Screws ⑬:
13 ft-lbs (18 N·m)

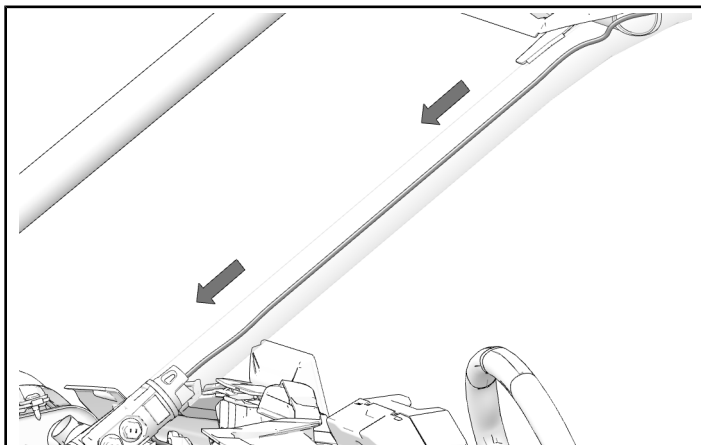


HARNESS ROUTING

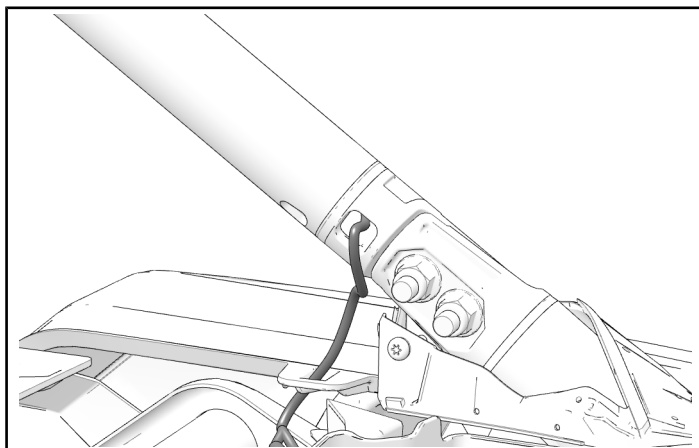
1. Install grommet ⑨ in previously drilled hole on drivers side of roof. Route harness ① through grommet ⑨ into opening in ROPS bracket. Install harness grommet into hole in ROPS.



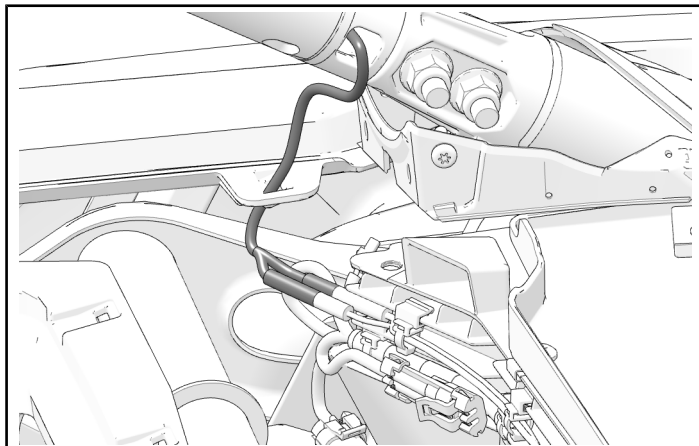
2. Route harness down ROPS towards front of vehicle.



3. Route harness out of opening at bottom of ROPS and downwards through opening in fender panel.



4. Connect harness to vehicle switch harness (P/N 2889130).



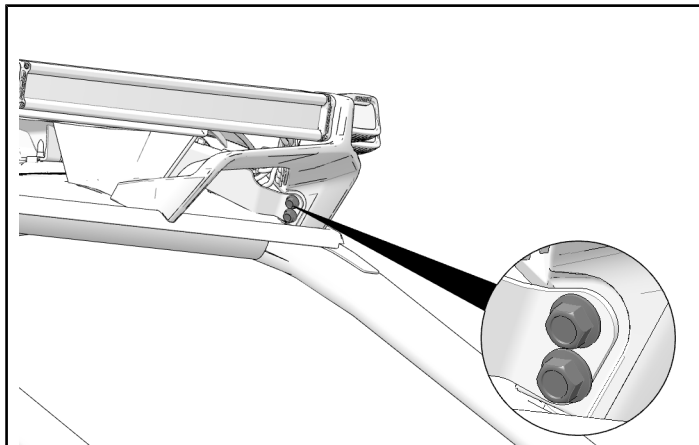
5. Torque screws in inner side of light bar mount to specification.

NOTICE

Left side shown; right side similar.

TORQUE

Screws:
88 ft-lbs (10 N·m)



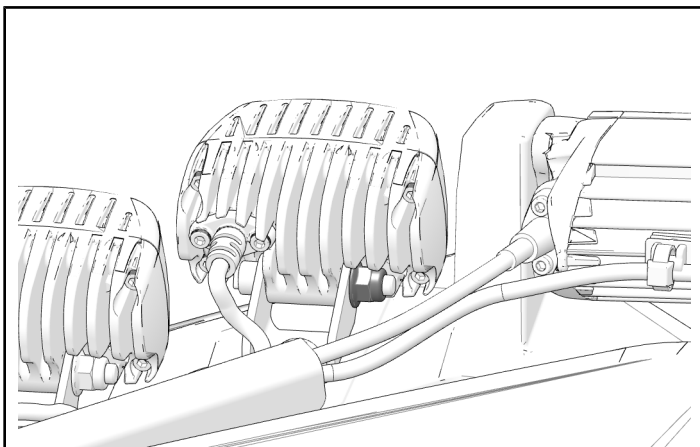
6. Position inner light pods to desired location.
Torque nuts to specification.

NOTICE

Left side shown; right side similar.

TORQUE

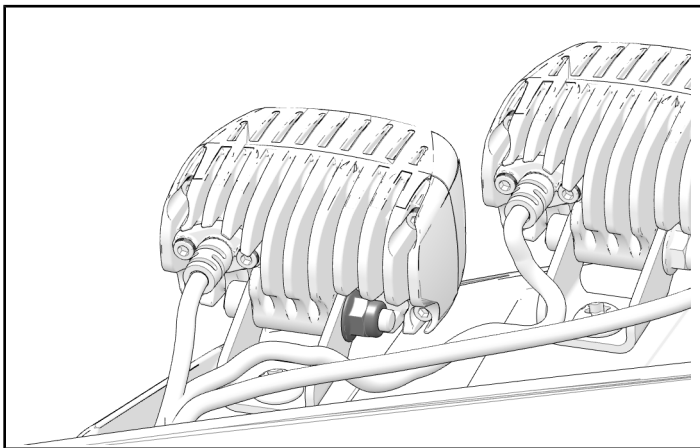
Light Pod Nuts:
88 in-lbs (10 N·m)



7. Position outer light pods to desired location.
Torque nuts to specification.

TORQUE

Light Pod Nuts:
88 in-lbs (10 N·m)



ACCESSORY INSTALLATION (4-PASSENGER MODELS)

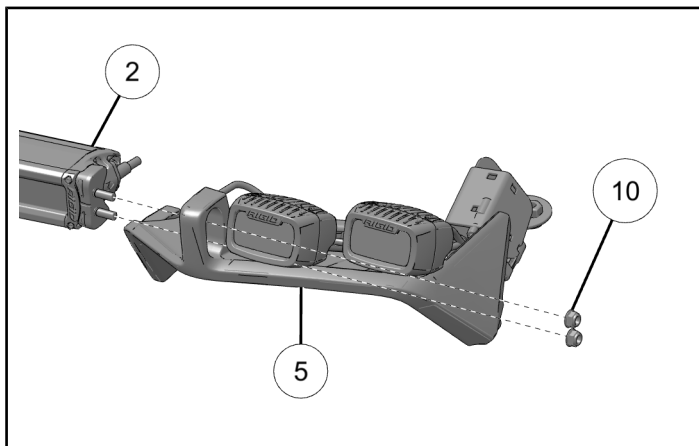
LIGHT BAR ASSEMBLY

1. Install lightbar mount (5) to lightbar (2) using two nuts (10). Tighten nuts until fully seated, then loosen nuts one turn.

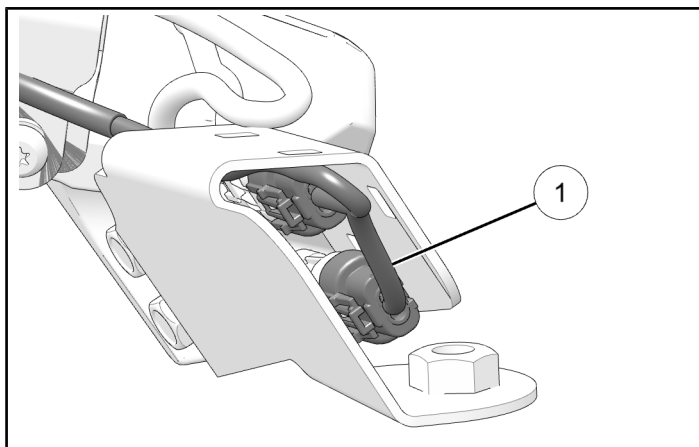
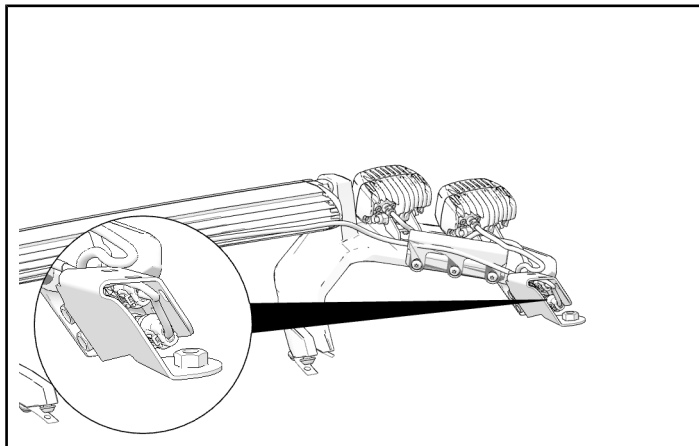
NOTICE

Left side shown; right side similar.

DO NOT torque fasteners at this time.

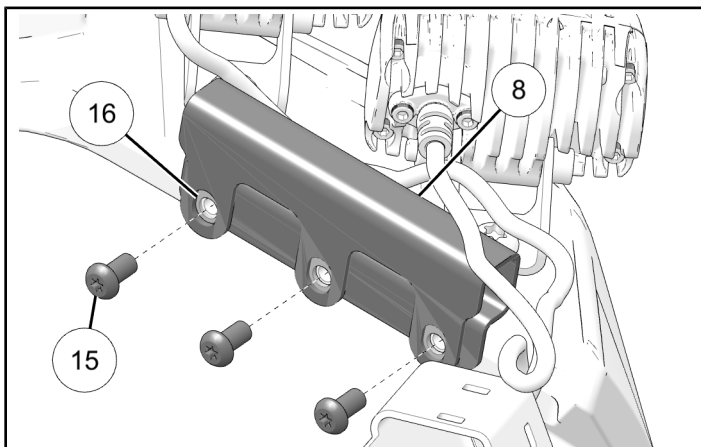


2. Connect lightbar harness (1) to passenger side light pod connectors.

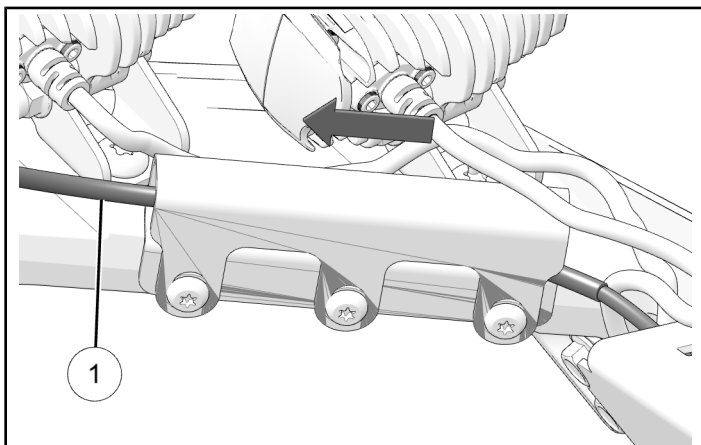


3. Install harness retainer ⑧ to passenger side of light bar assembly using three screws ⑮ and three washers ⑯.

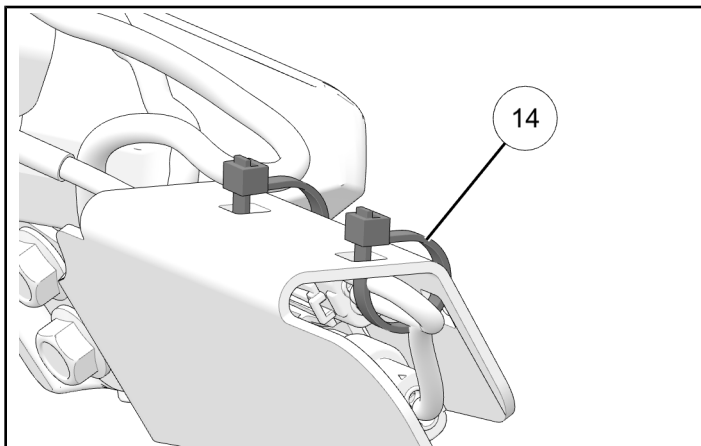
DO NOT torque fasteners at this time.



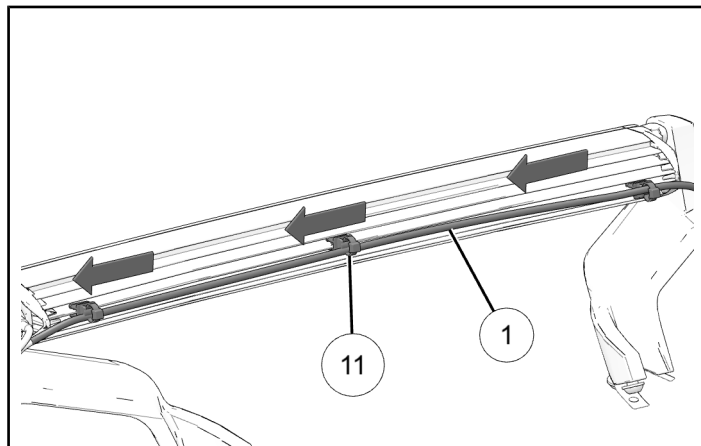
4. Route harness ① through harness retainer on passenger side of light bar assembly towards center of lightbar assembly.



5. Install two cable ties ⑭ to passenger side of lightbar harness through slot in roof lightbar assembly.

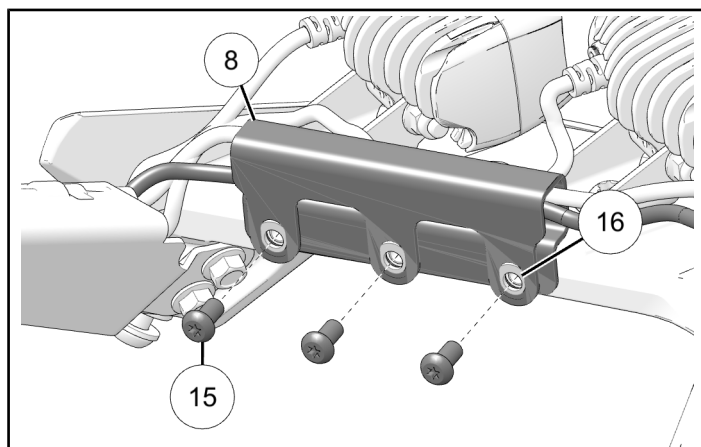


6. Route lightbar harness ① along lightbar assembly. Attach lightbar harness to lightbar assembly using three edge clips ⑪.

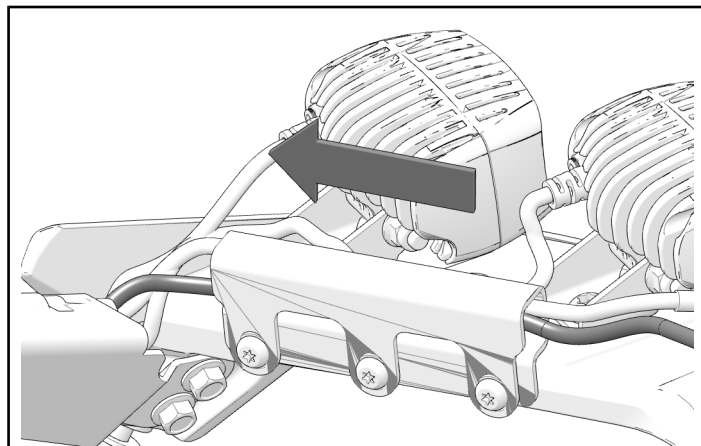


7. Install harness retainer ⑧ to drivers side of light bar assembly using three screws ⑮ and three washers ⑯.

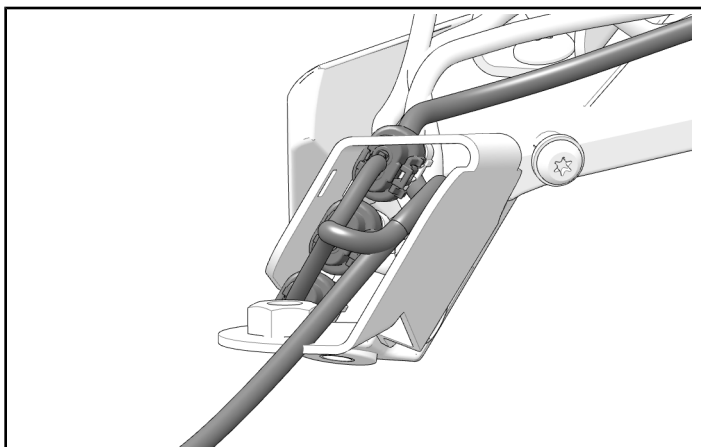
DO NOT torque fasteners at this time.



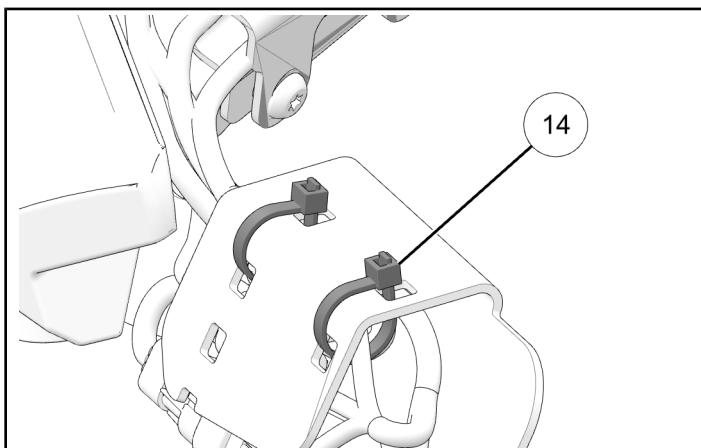
8. Route harness through harness retainer on driver side of light bar assembly towards outer side of lightbar assembly.



9. Connect lightbar harness to driver side light pod connectors.



10. Install two cable ties to driver side of lightbar harness through slots in roof lightbar assembly.



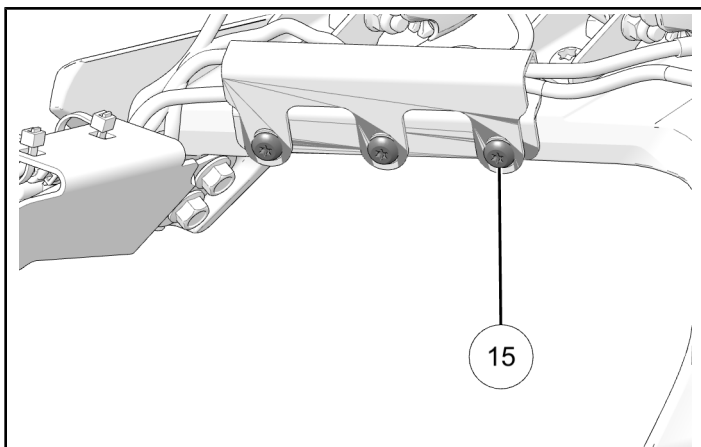
11. Torque three harness retainer screws to specification.

NOTICE

Left side shown; right side similar.

TORQUE

Screws ⑮:
27 in-lbs (3 N·m)

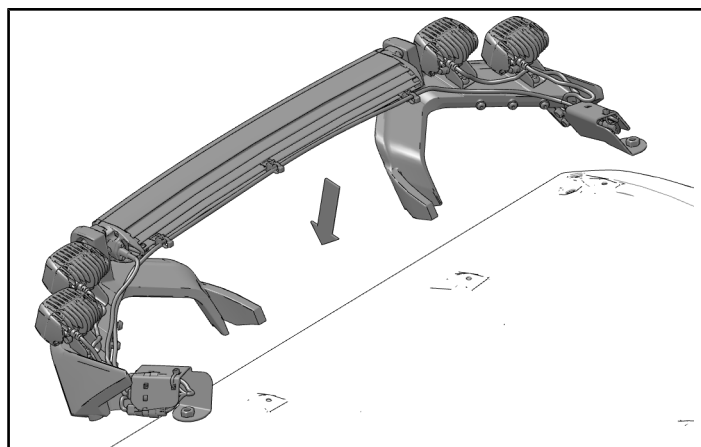


ROOF PREPARATION

1. Put lightbar assembly in place on roof.

NOTICE

Polaris recommends the use of an assistant for this step.



2. Install screw ⑮ to lightbar assembly.

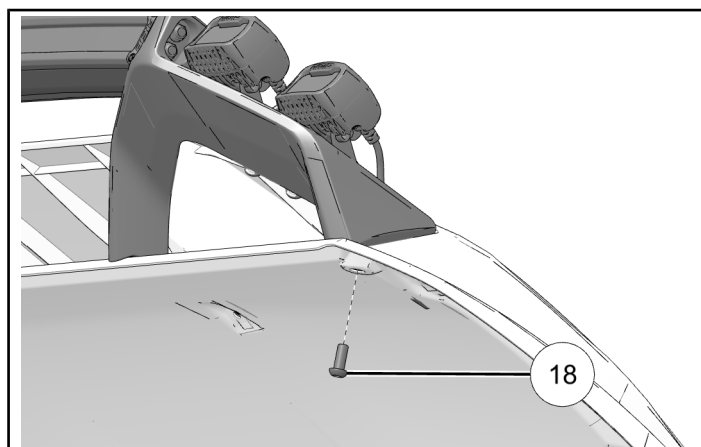
NOTICE

Polaris recommends the use of an assistant for this step.

NOTICE

Left side shown; right side similar.

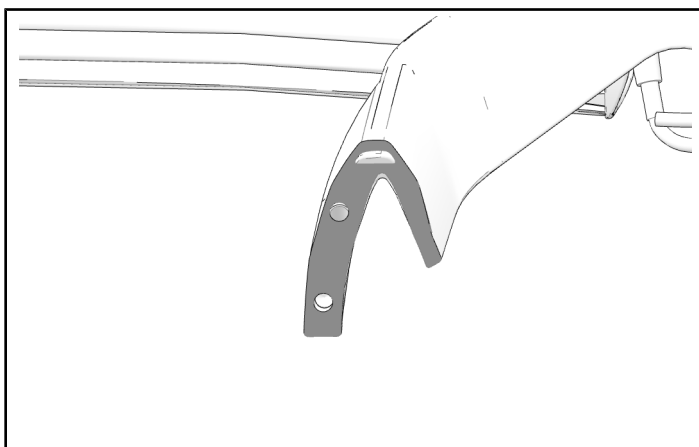
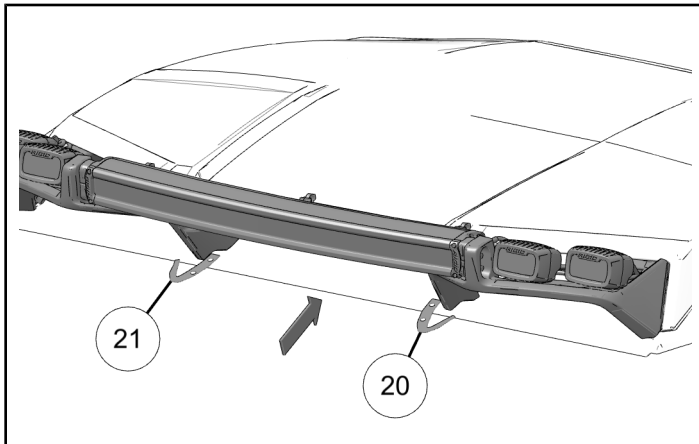
DO NOT torque fasteners at this time.



3. Put lightbar templates ⑳, ㉑ in place on underside of center legs of lightbar assembly. Make sure holes on template align with holes on bottom of center legs of lightbar assembly.

TIP

Flex roof slightly downward to make room for template installation.



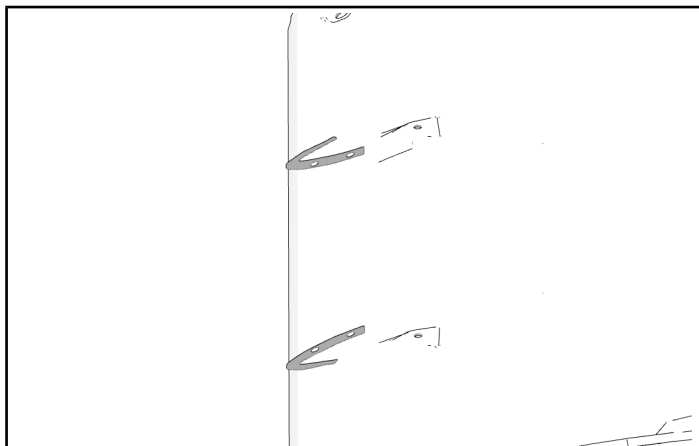
4. Tape templates to roof.

IMPORTANT

Front of templates will have line marked where casting edge of roof corresponds.

NOTICE

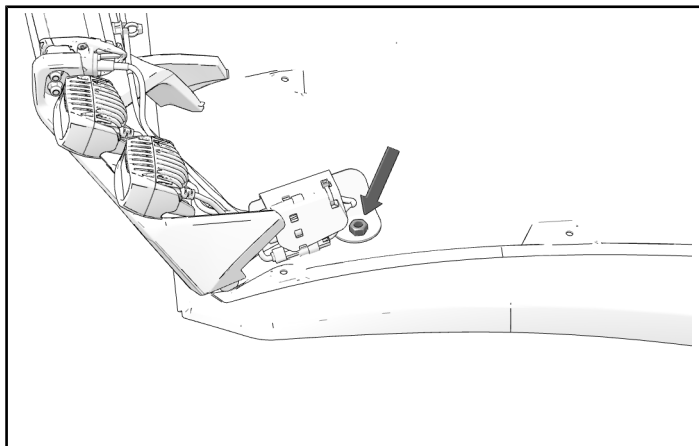
Roof lightbar assembly has been hidden for clarity.



5. Mark drill locations using rear holes of lightbar mount as a guide.

NOTICE

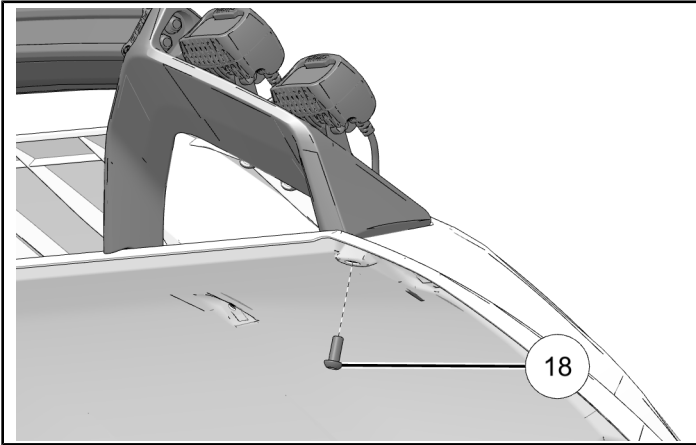
Left side shown; right side similar.



6. Remove screw ⑮ to remove lightbar assembly from roof.

NOTICE

Left side shown; right side similar.



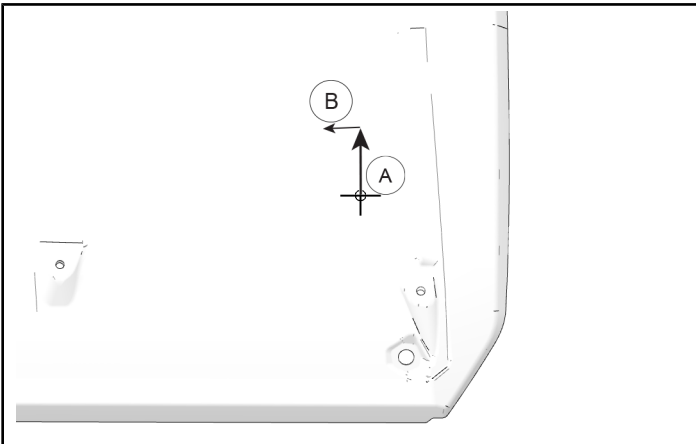
7. Measure rearwards and inwards using previously marked location as a starting point and mark cutting location.

MEASUREMENT

Measurement A: **1-9/10 in (50 mm)**

MEASUREMENT

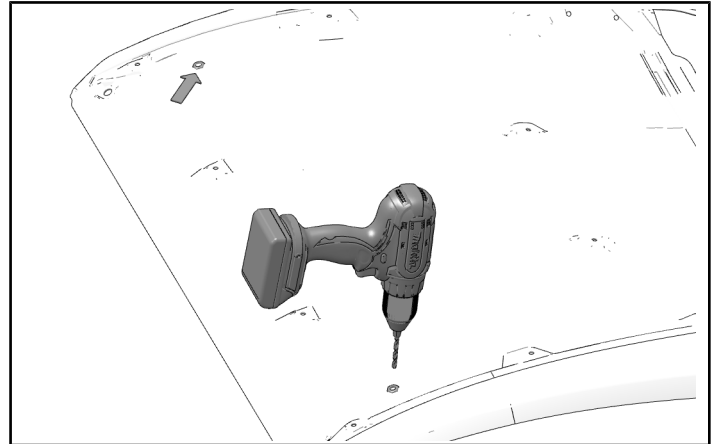
Measurement B: **13/32 in (10 mm)**



8. Drill two holes in previously marked locations.

MEASUREMENT

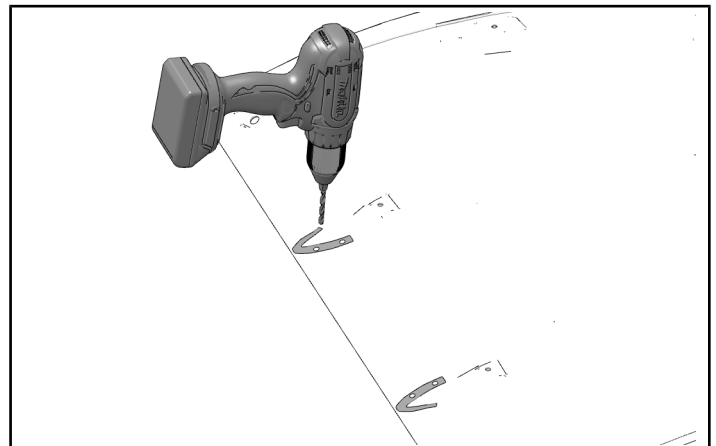
Drill Bit Size: **13/32 in (10 mm)**



9. Drill four holes in locations marked by templates. Remove templates from roof after drilling holes.

MEASUREMENT

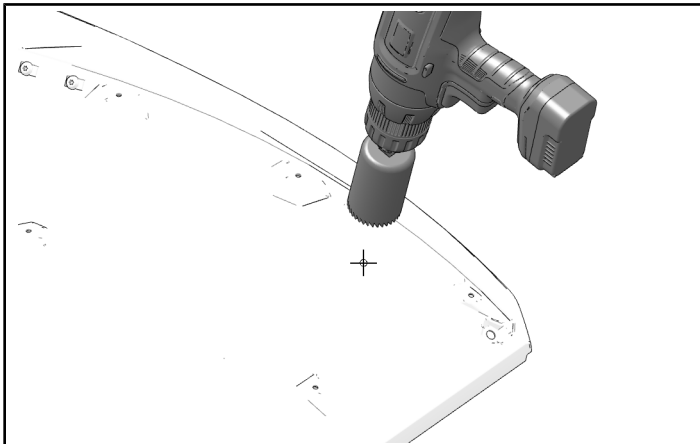
Drill Bit Size: **13/32 in (10 mm)**



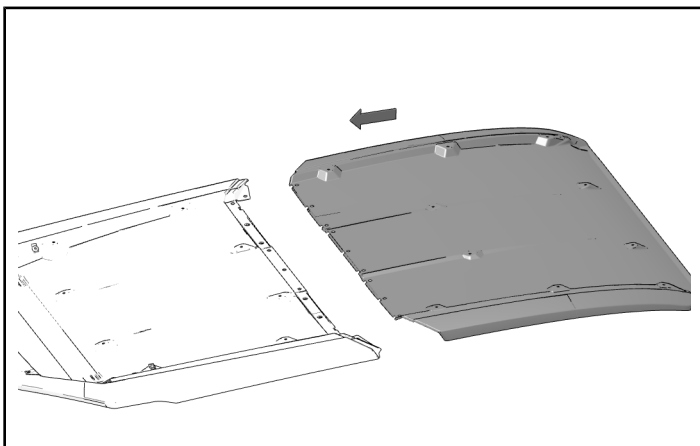
10. Cut hole in previously marked location.

MEASUREMENT

Hole Saw Size: **1-1/4 in (32 mm)**

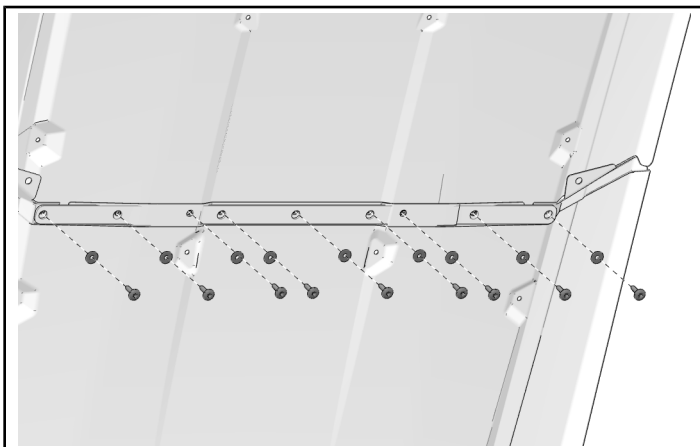


11. Put rear roof panel in place on front roof panel.

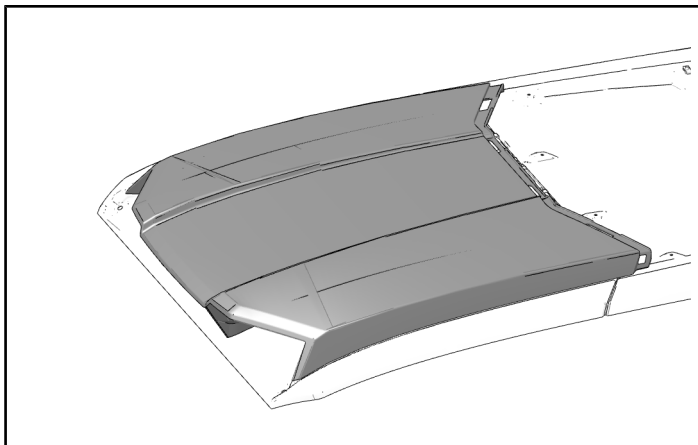


12. Install nine kept screws and nine kept washers to underside of roof panel.

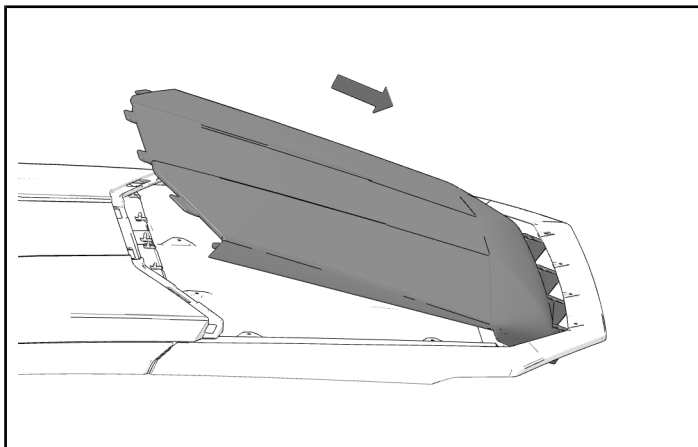
DO NOT torque fasteners at this time.



13. Put front roof top panel in place on roof.

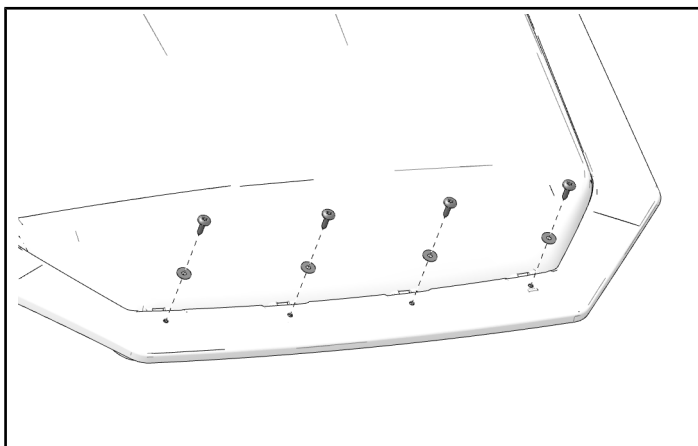


14. Put rear roof top panel in place on roof.



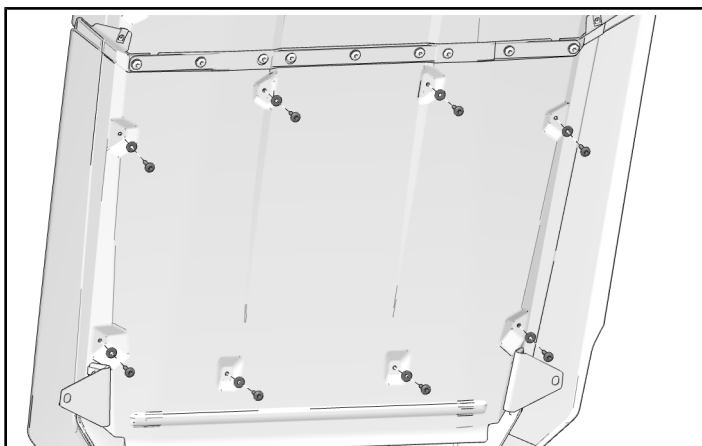
15. Install four kept screws and four kept washers at rear of roof assembly.

DO NOT torque fasteners at this time.



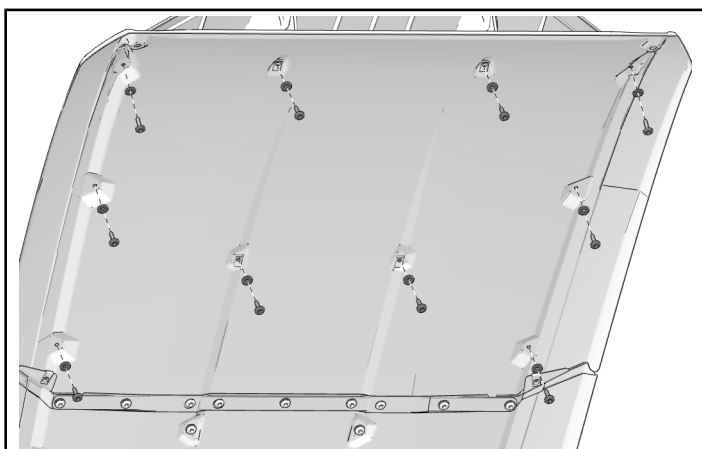
16. Install eight kept screws and eight kept washers on underside of roof assembly.

DO NOT torque fasteners at this time.



17. Install ten kept screws and ten kept washers on underside of roof assembly.

DO NOT torque fasteners at this time.



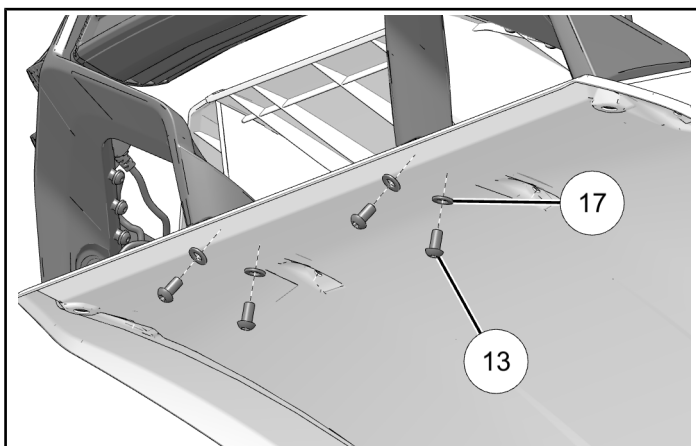
18. Torque all roof screws to specification.

TORQUE

Screws:
11 ft-lbs (15 N·m)

19. Install lightbar assembly to roof using four screws ⑬ and four washers ⑰.

DO NOT torque fasteners at this time.

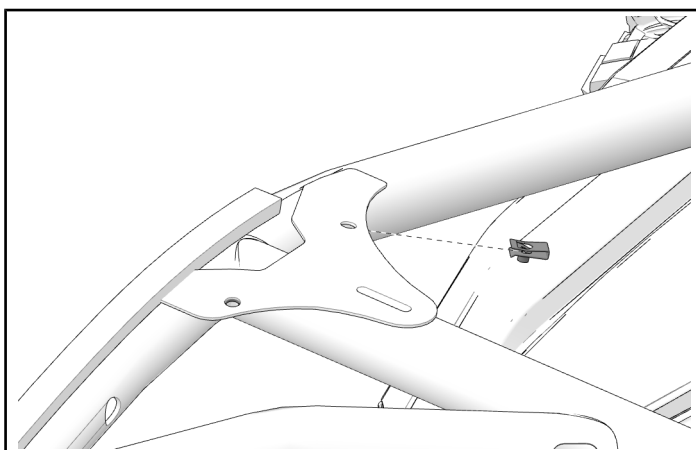


ROOF LIGHTBAR INSTALLATION

1. Remove screw clip from front gusset of front ROPS bracket.

NOTICE

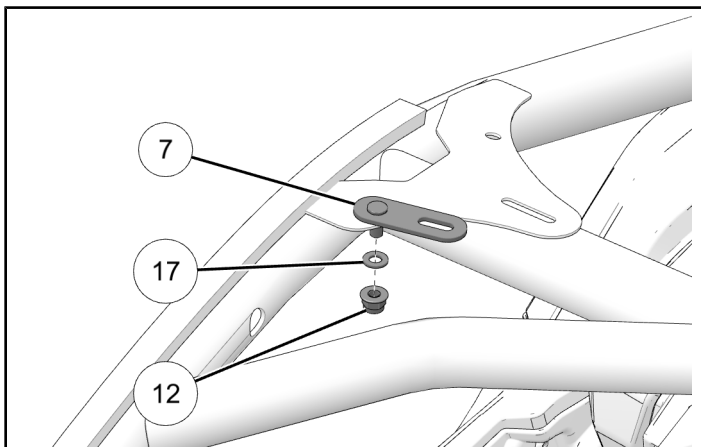
Left side shown; right side similar.



2. Install backer plate ⑦ to rear gusset for front ROPS bracket using washer ⑰ and nut ⑫.

NOTICE

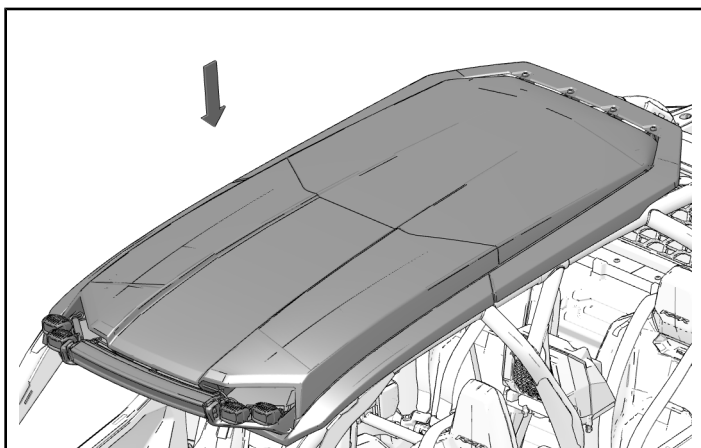
Left side shown; right side similar.



3. Put roof assembly on top of ROPS.

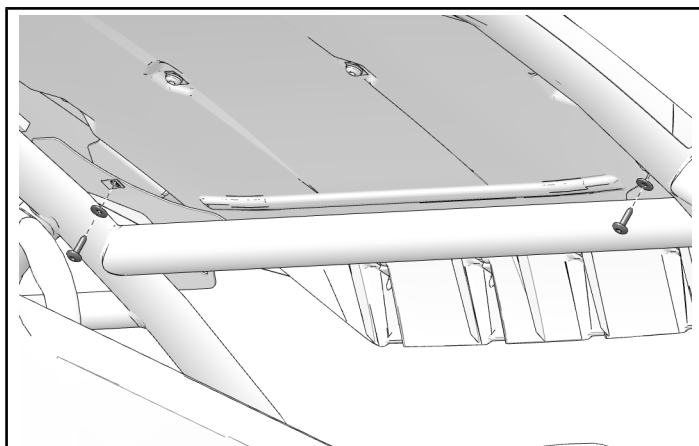
NOTICE

Polaris recommends the use of an assistant for this step.

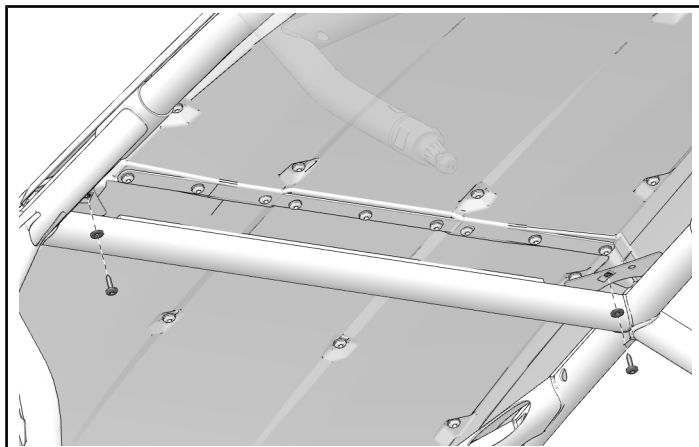


4. Install two kept screws and two washers to rear corners of roof assembly.

DO NOT torque fasteners at this time.



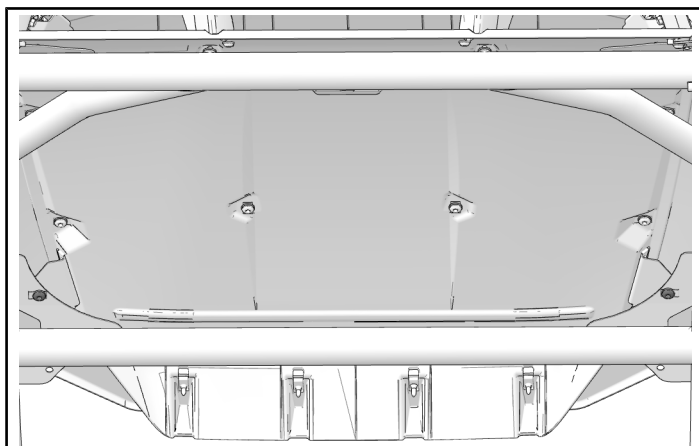
5. Install two kept screws and two kept washers to middle area of roof.



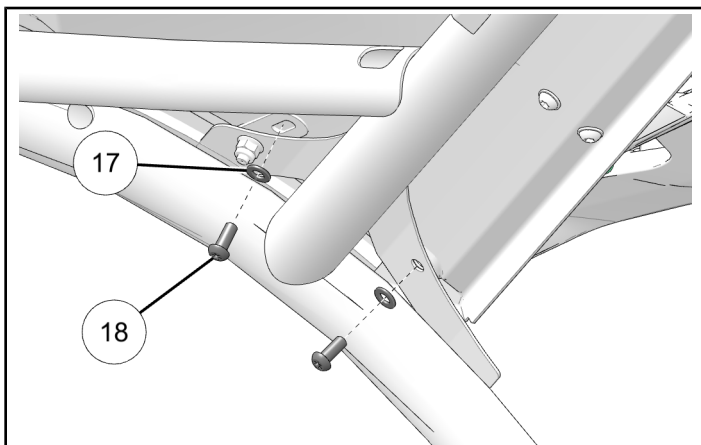
6. Torque rear roof screws to specification.

TORQUE

Rear Roof Screws:
11 ft-lbs (15 N·m)



7. Install two screws ⑱ and two washers ⑰ to front ROPS bracket.



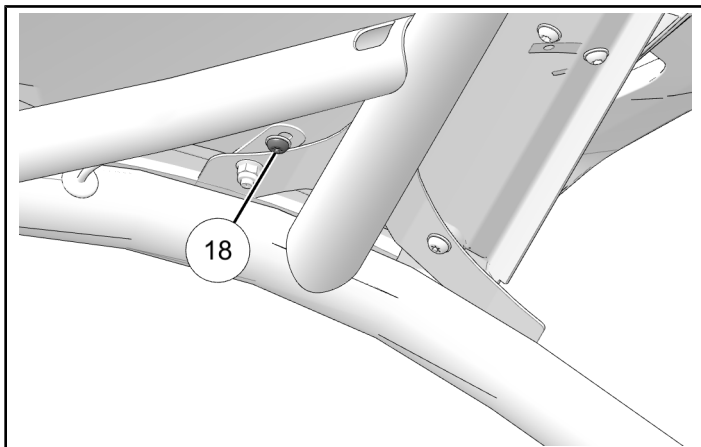
8. Torque rear ROPS bracket screw ⑱ to specification.

NOTICE

Left side shown; right side similar.

TORQUE

Screw ⑱:
21 ft-lbs (28 N·m)



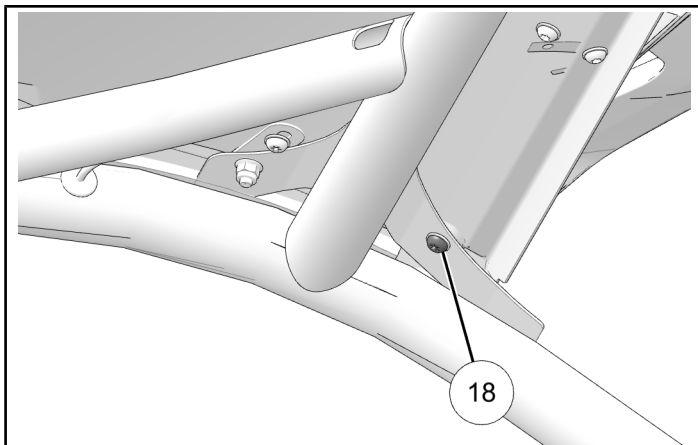
9. Torque forward ROPS bracket screw ⑱ to specification.

NOTICE

Left side shown; right side similar.

TORQUE

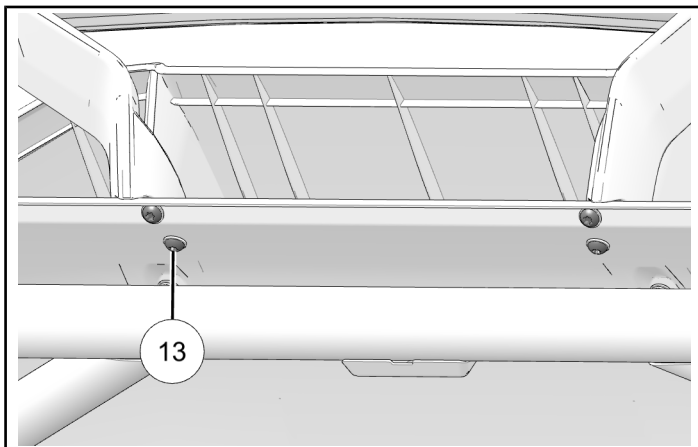
Screw ⑱:
21 ft-lbs (28 N·m)



10. Torque screws ⑬ at front center of roof to specification.

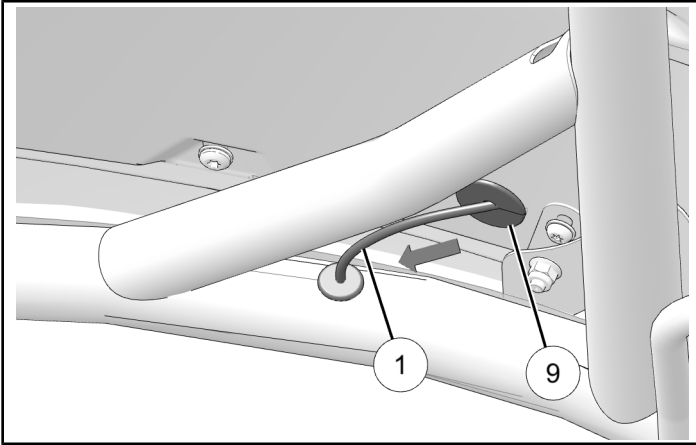
TORQUE

Screws ⑬:
13 ft-lbs (18 N·m)

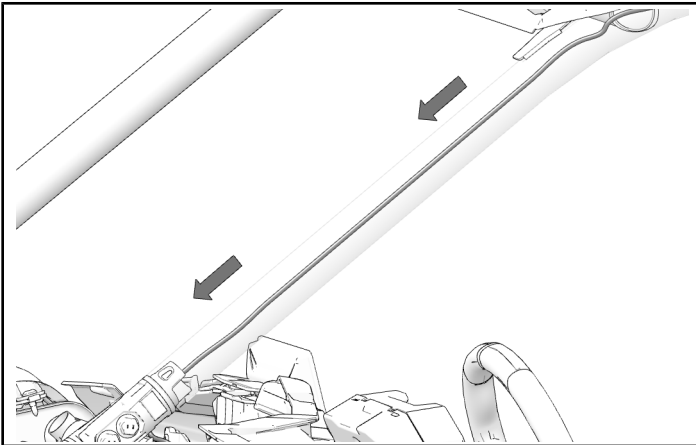


HARNESS ROUTING

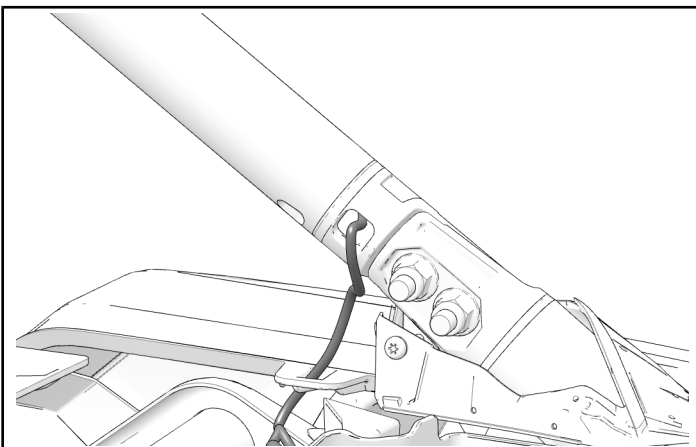
1. Install grommet ⑨ in previously drilled hole on drivers side of roof. Route harness ① through grommet ⑨ into opening in ROPS bracket. Install harness grommet into hole in ROPS.



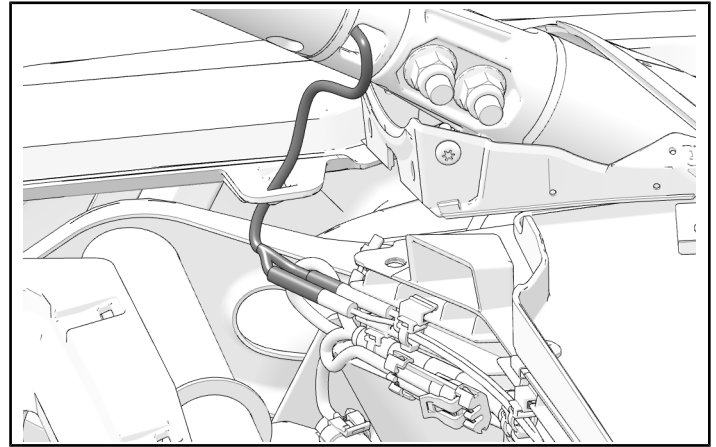
2. Route harness down ROPS towards front of vehicle.



3. Route harness out of opening at bottom of ROPS and downwards through opening in fender panel.



4. Connect harness to vehicle switch harness (P/N 2889130).



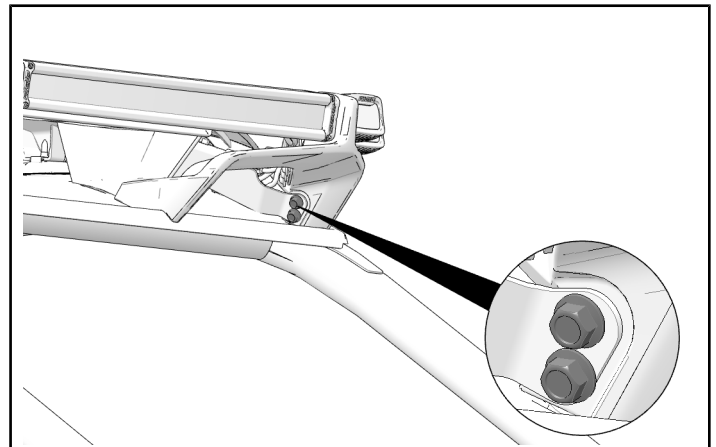
5. Torque screws in inner side of light bar mount to specification.

NOTICE

Left side shown; right side similar.

TORQUE

Screws:
88 ft-lbs (10 N·m)



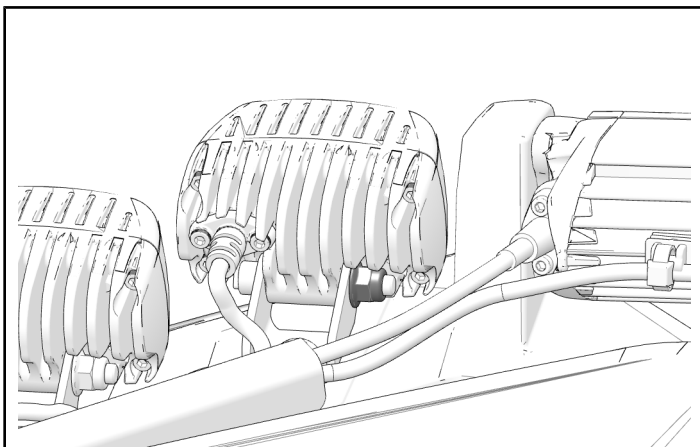
6. Position inner light pods to desired location.
Torque nuts to specification.

NOTICE

Left side shown; right side similar.

TORQUE

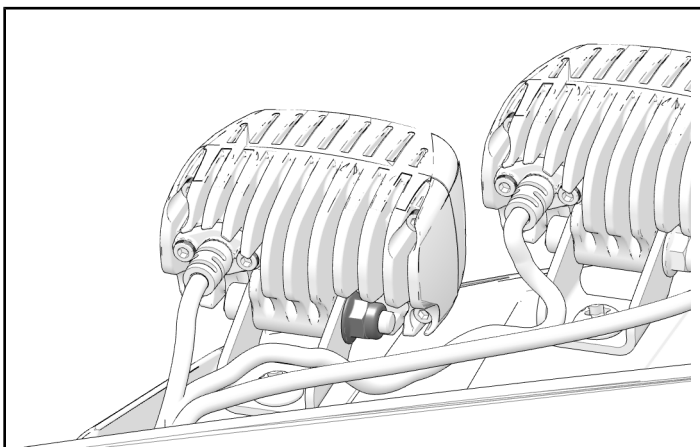
Light Pod Nuts:
88 in-lbs (10 N·m)



7. Position outer light pods to desired location.
Torque nuts to specification.

TORQUE

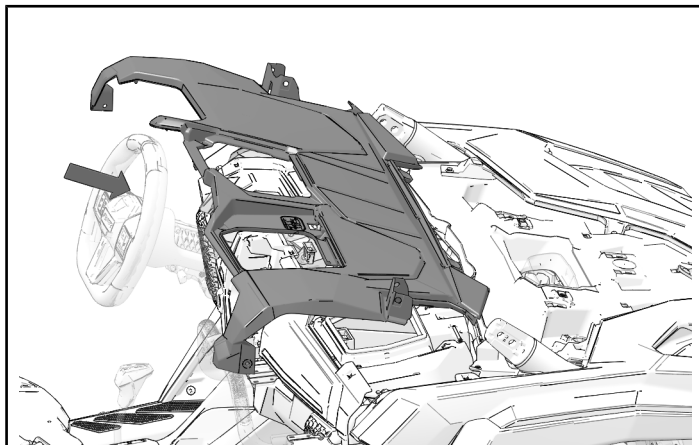
Light Pod Nuts:
88 in-lbs (10 N·m)



VEHICLE REASSEMBLY

DASH INSTALLATION

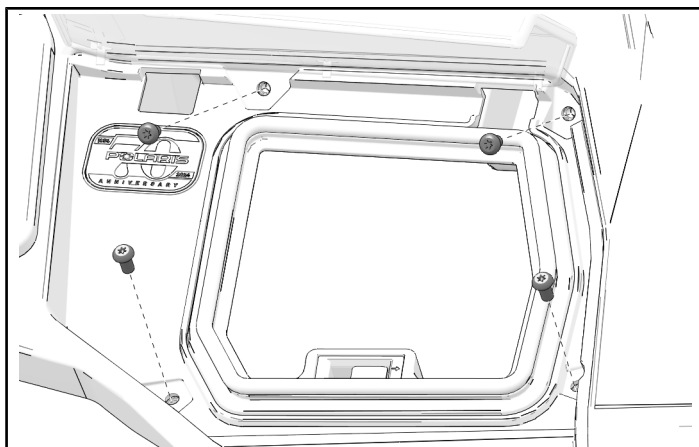
1. Install dash to vehicle frame by pushing forward and down to engage tabs on underside of panel.



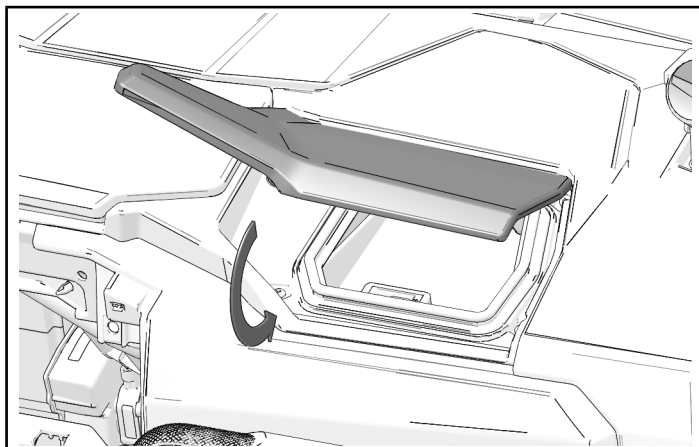
2. Loosely install four kept screws to inside of glove compartment. Torque to specification.

TORQUE

Screws:
31 in-lbs (3.5 N·m)



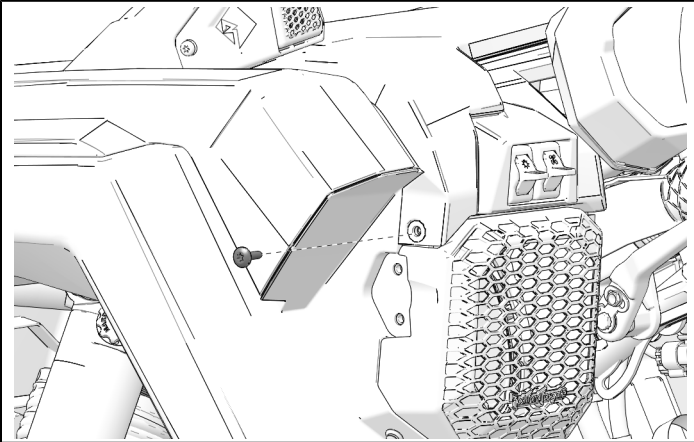
3. Close glove compartment.



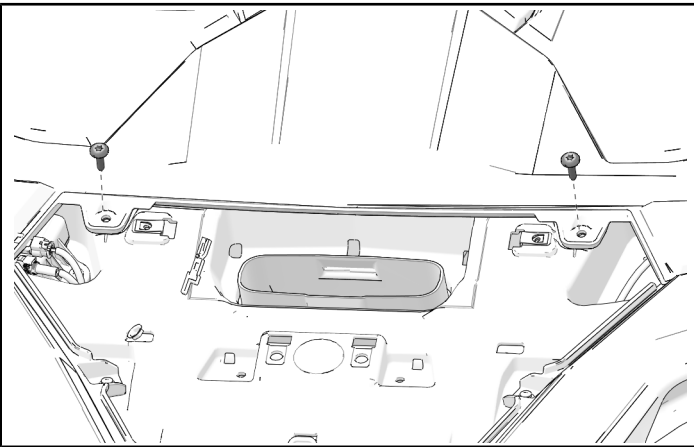
- Loosely install kept screw into inner dash panel.

NOTICE

Left side shown; right side similar.



- Loosely install two kept screws into dash panel.



- Torque all screws to specification.

TORQUE

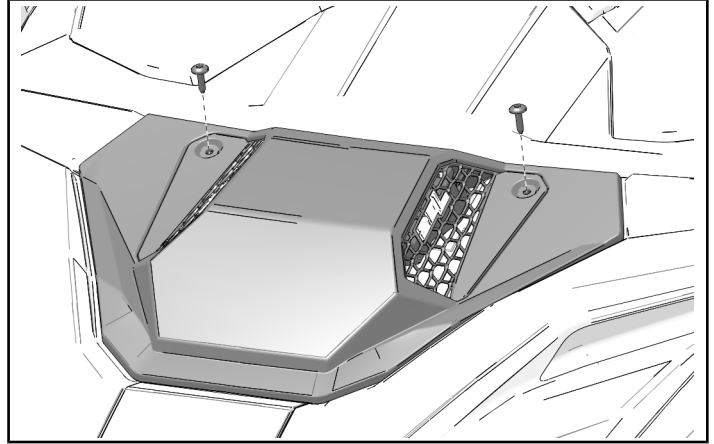
Screws:
31 in-lbs (3.5 N·m)

CENTER HOOD INSTALLATION

- Install two screws to install center hood panel.
Torque to specification.

TORQUE

Screws:
31 in-lbs (3.5 N·m)

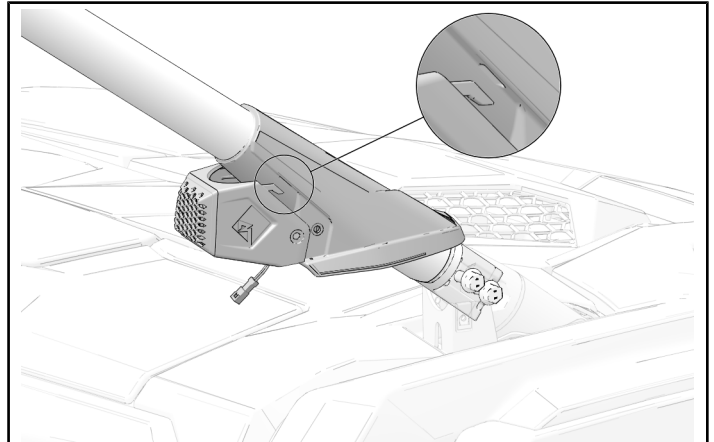


TWEETER INSTALLATION (IF EQUIPPED)

NOTICE

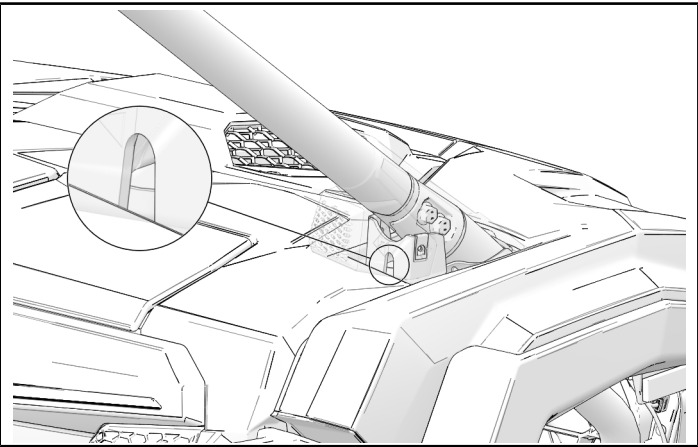
Right side shown; left side similar.

- Install tweeter hooks into A-pillar cover holes.

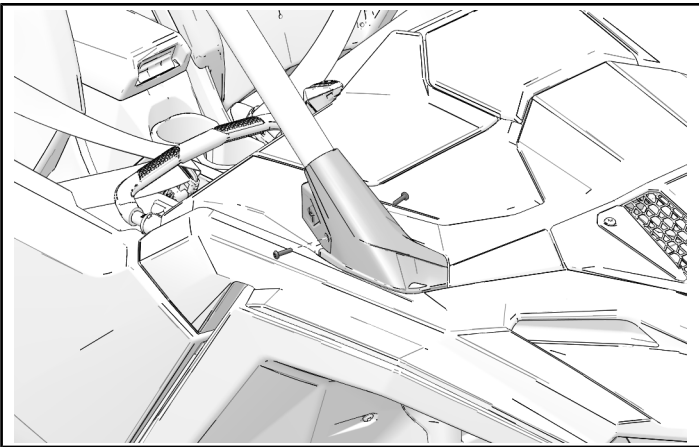


2. Move A-pillar cover down and connect tweeter to vehicle audio harness through dash hole.

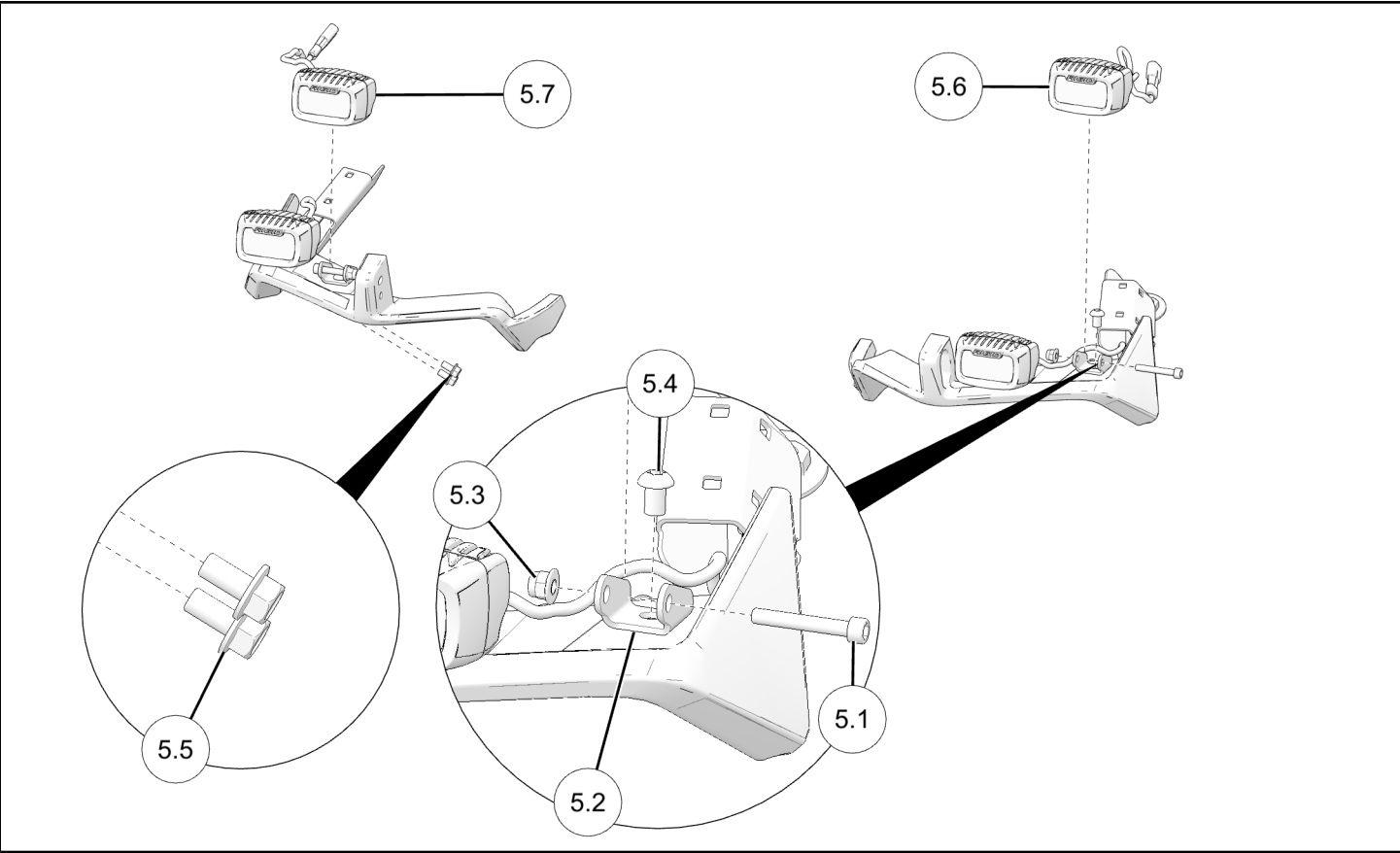
NOTICE
Tweeter and shroud hidden for clarity.



3. Install A-pillar cover to vehicle with two screws.



SERVICE PARTS



REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY
5.1	4	Screw, Socket Head, M6 x 1.0 x 40 mm	7517261
5.2	4	Bracket, Light Pod	5276752
5.3	4	Nut, Hex Flange, M6 x 1.0 mm	7548027

REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY
5.4	4	Screw, Torx®, Button Head, M8 x 1.25 x 12 mm	7521166
5.5	4	Screw, Hex Flange, M6 x 1.0 x 12 mm	7520525
5.6	2	Light Pod, Flood	4083613
5.7	2	Light Pod, Spot	4083614