HIGH RISE INTAKES KIT

P/N 2890693

MISSING OR DAMAGED PARTS

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.

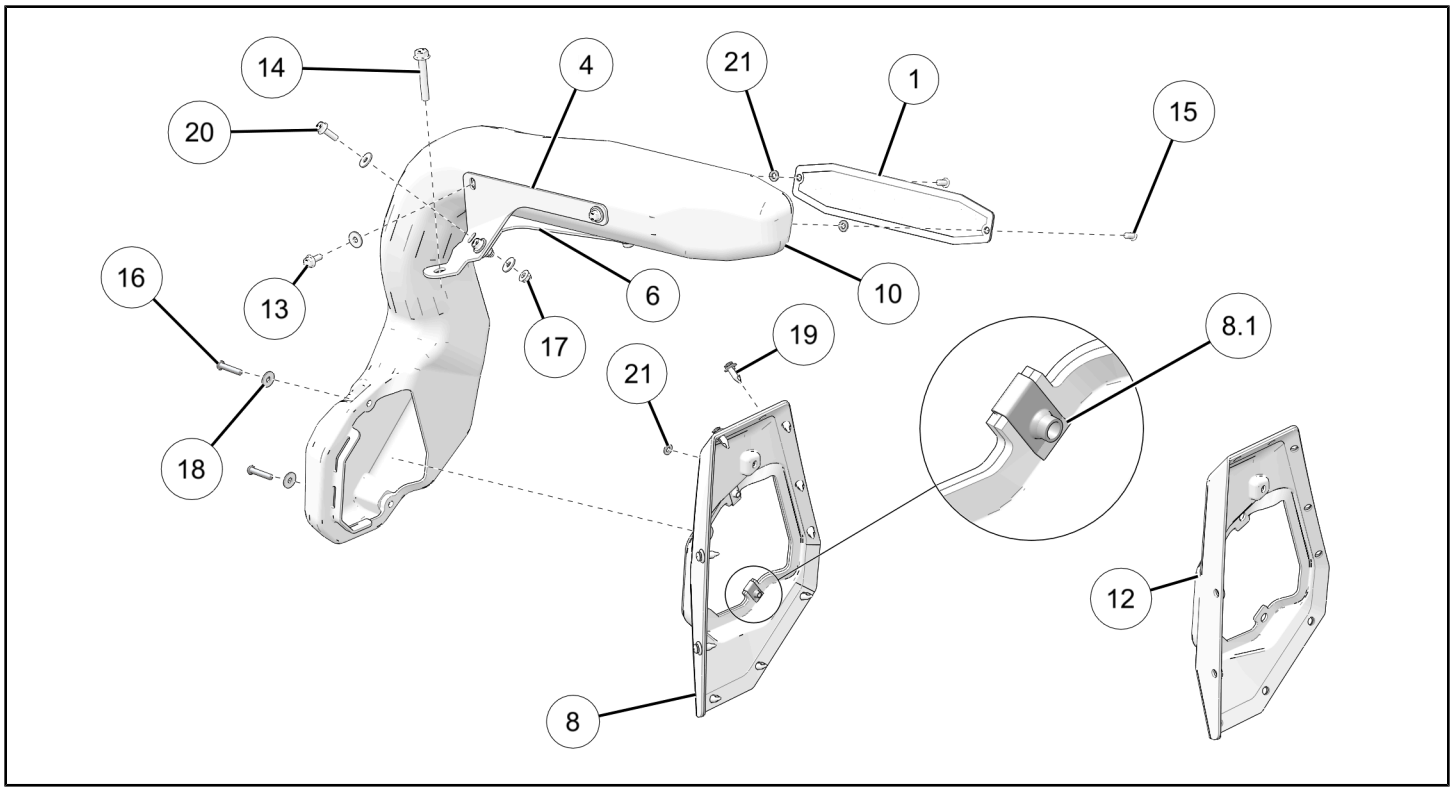
IMPORTANT

High Rise Intakes Kit is not compatible with the following kits:

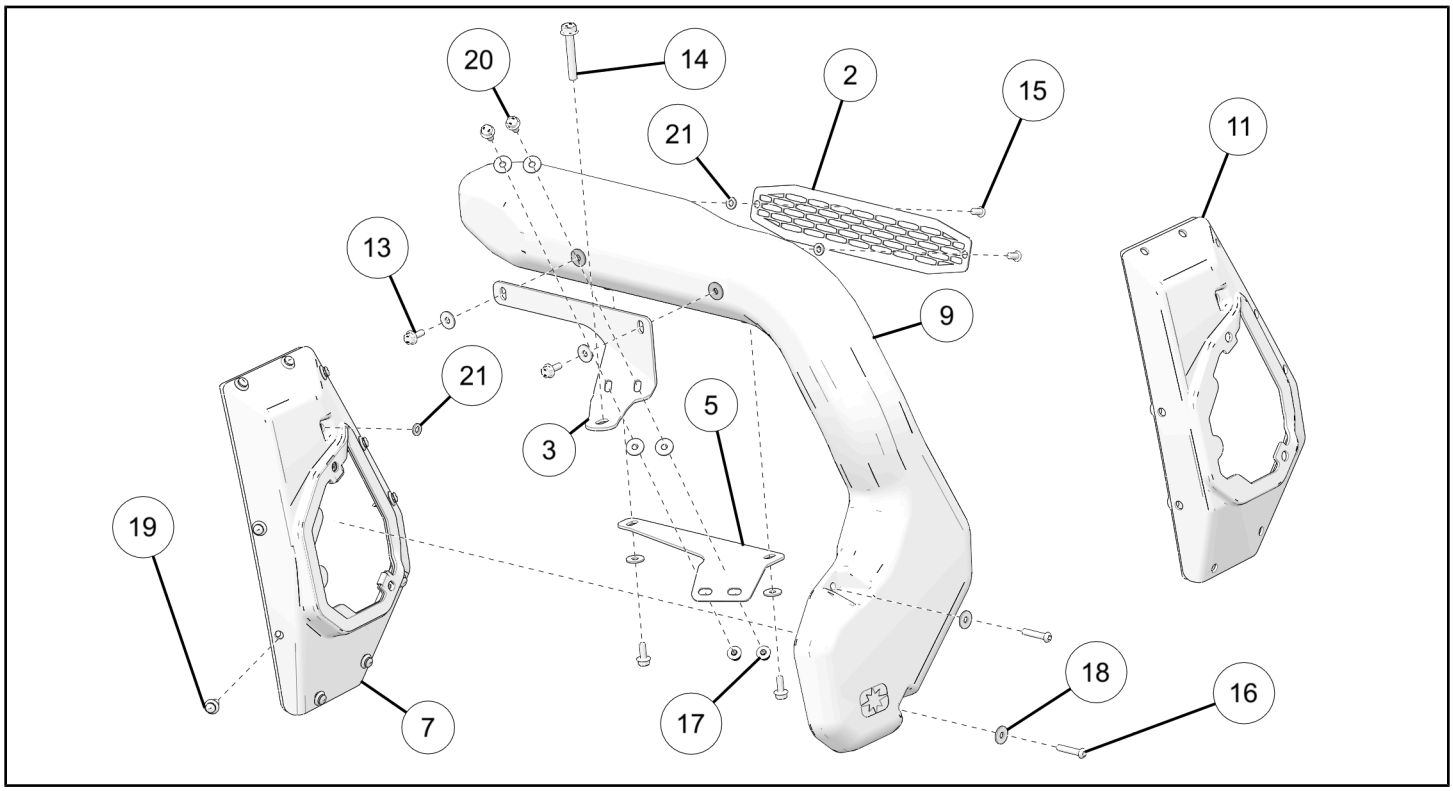
- Rear-facing roof lights on XP models.
- Awning Kit (P/N 2890645) on 2-passenger models.
- Roof Rack (P/N 2889237) and Rooftop Tent (P/N 2890560) on 2-passenger ADV models.

KIT CONTENTS

RIGHT SIDE



LEFT SIDE



REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY	AVAILABLE SERVICE KIT
1	1	High Rise Intake Grill with Screen	n/a	n/a
2	1	High Rise Intake Grill	n/a	n/a
3	1	High Rise Roof Mounting Bracket (Left)	n/a	n/a
4	1	High Rise Roof Mounting Bracket (Right)	n/a	n/a
5	1	High Rise Duct Mounting Bracket (Left)	n/a	n/a
6	1	High Rise Duct Mounting Bracket (Right)	n/a	n/a
7	1	Intake Adapter Cover (Left) (2-Passenger)	n/a	n/a
8	1	Intake Adapter Cover (Right) (2-Passenger)	n/a	n/a
8.1	4	- U-Nut Clip	7081305	n/a
9	1	High Rise Duct (Left)	n/a	n/a
10	1	High Rise Duct (Right)	n/a	n/a
11	1	Intake Adapter Cover (Left) (Multi-Passenger)	n/a	n/a
12	1	Intake Adapter Cover (Right) (Multi-Passenger)	n/a	n/a
13	8	Screw, Hex Flange M6 x 1.0 x 16 mm	7521331–16	2212080
14	2	Screw, Hex Flange M8 x 1.25 x 50 mm	7521332–50	2212080
15	4	Screw, Torx® Button Head M6 x 1.0 x 12 mm	7518330	2212080
16	4	Screw, Hex Flange M6 x 1.0 x 30 mm	7527947–30	2212080
17	4	Nut, Hex Flange M6 x 1.0 mm	7548027	2212080

REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY	AVAILABLE SERVICE KIT
18	20	Flat Washer M6 x 1.6 mm	7558714	2212080
19	20	Push-Pin Rivet	7661855	2212080
20	4	Screw, Hex Flange M6 x 1.0 x 20 mm	7211331–20	2212080
21	6	Flat Washer M6 x 1.6 mm	7557233	2212080

TOOLS REQUIRED

- Safety Glasses
- Drill
- Drill Bit:
  - 21/64 in (8 mm)
- Drill Bit Stop Collar
- Pliers, Push Pin Rivet
- Push Dart (Panel Clip) Tool
- Socket Set, Hex Bit, Metric
- Socket Set, Metric
- Socket Set, Torx® Bit
- Tape Measure
- Torque Wrench
- Wrench Set, Metric
- Wrench Set, SAE

IMPORTANT

Your High Rise Intakes 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

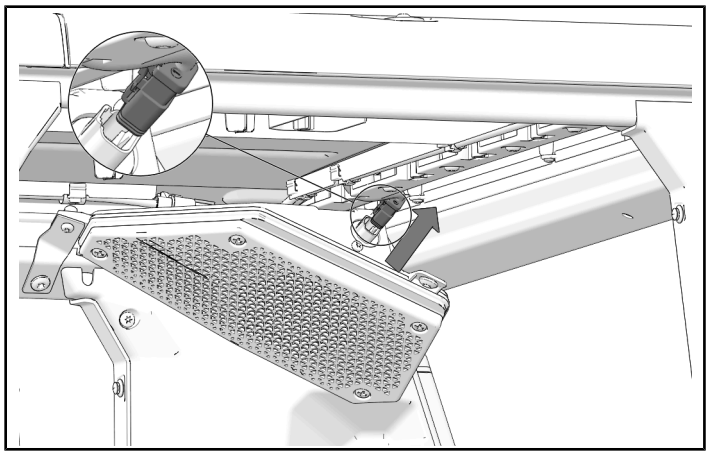
GENERAL

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

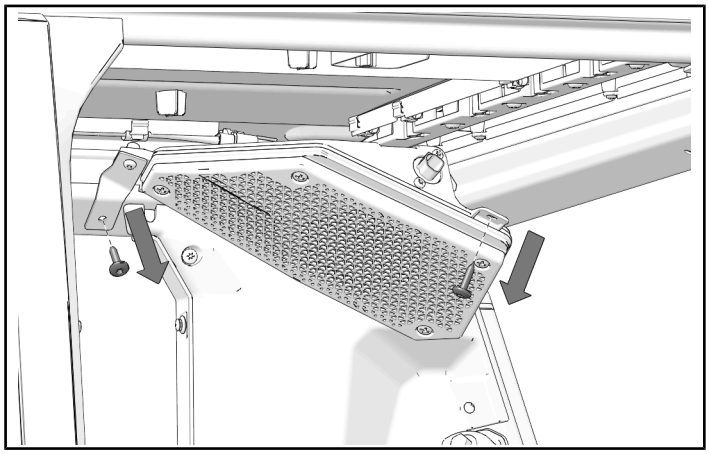
REAR SPEAKER REMOVAL

1. Disconnect wiring harness from rear speaker.

NOTICE
Right side shown; left side similar.

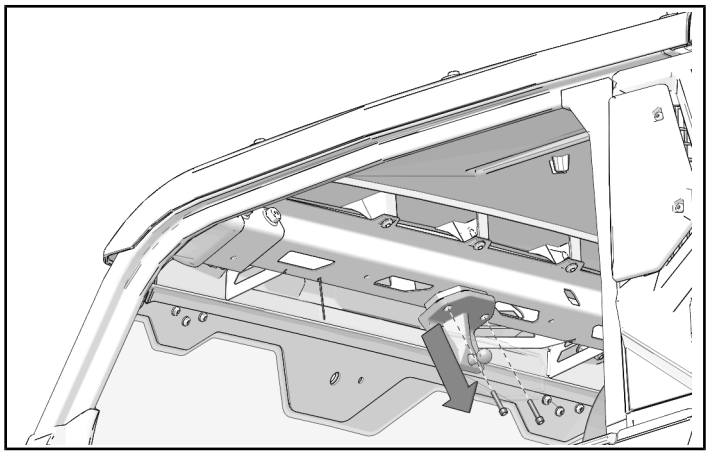


2. Remove and keep two screws. Remove speaker.

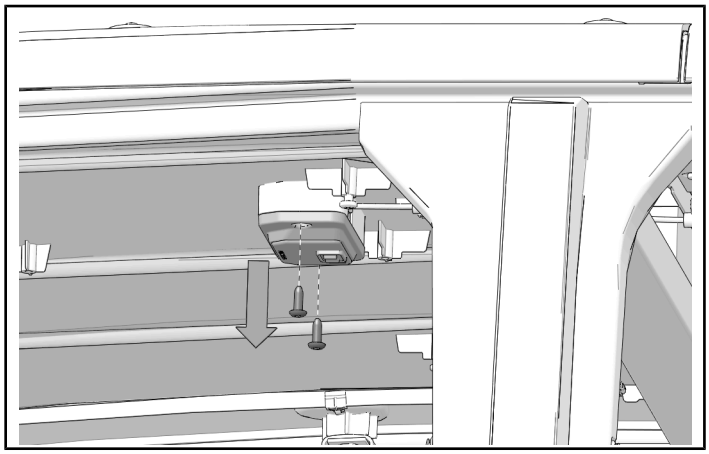


FRONT ROOF LINER REMOVAL (2-PASSENGER VEHICLES ONLY)

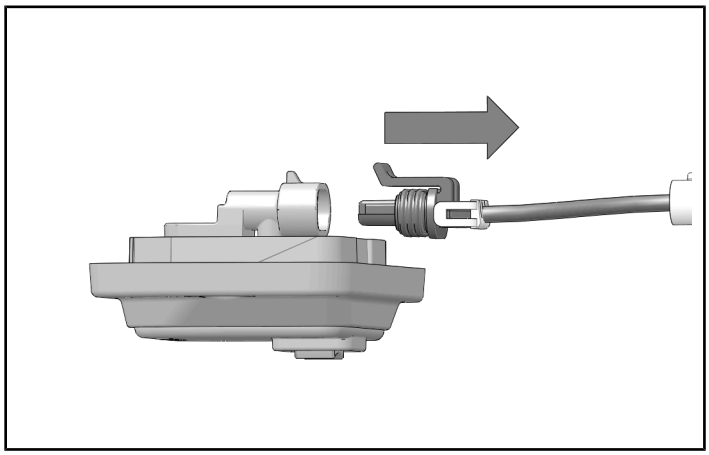
1. Remove and keep two screws and rearview mirror assembly (if equipped).



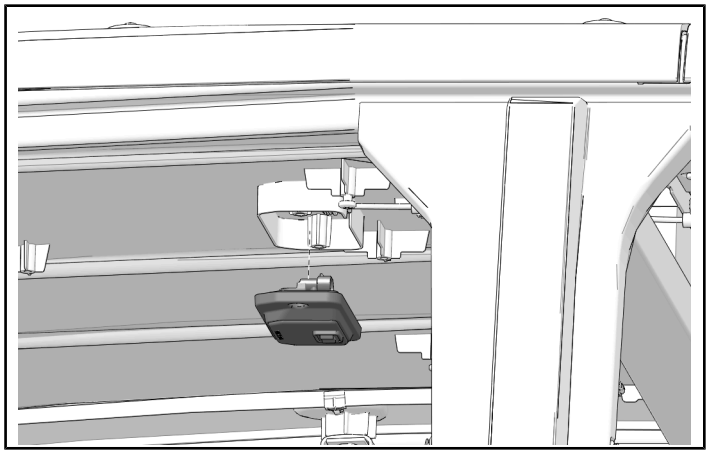
2. Remove and keep two screws from dome light.



3. Disconnect dome light from wiring harness.



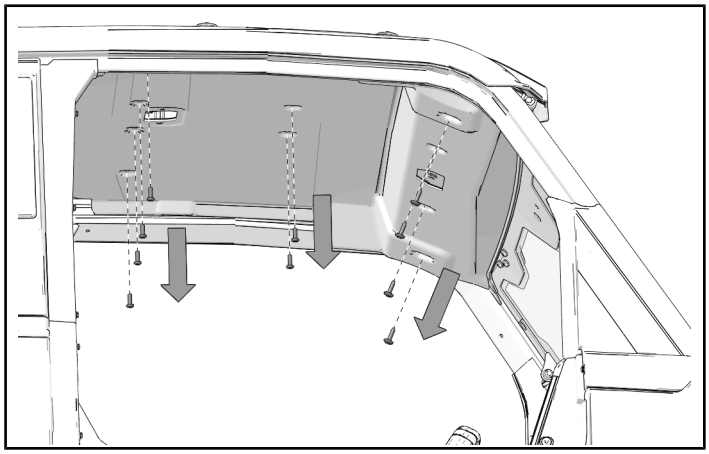
4. Remove and keep dome light.



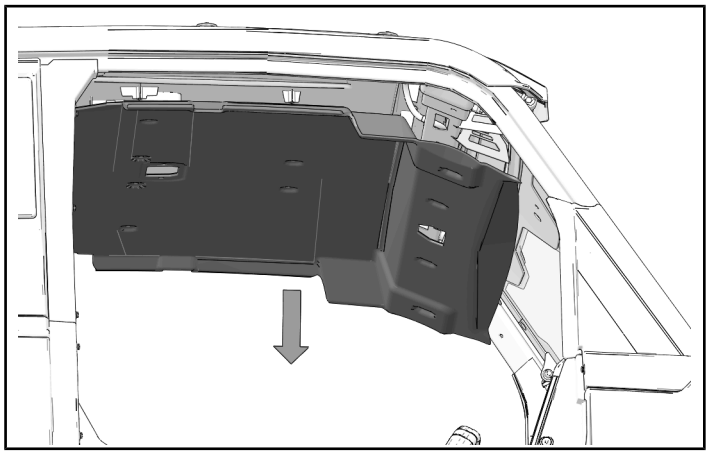
5. Remove and keep six screws from top of roof liner and four screws from front of roof liner.

NOTICE
Vehicles that are not equipped with rearview mirror will have a fifth screw at front of roof liner.

NOTICE
Vehicles equipped with 2–passenger cab will have three additional screws near rear of roof liner.

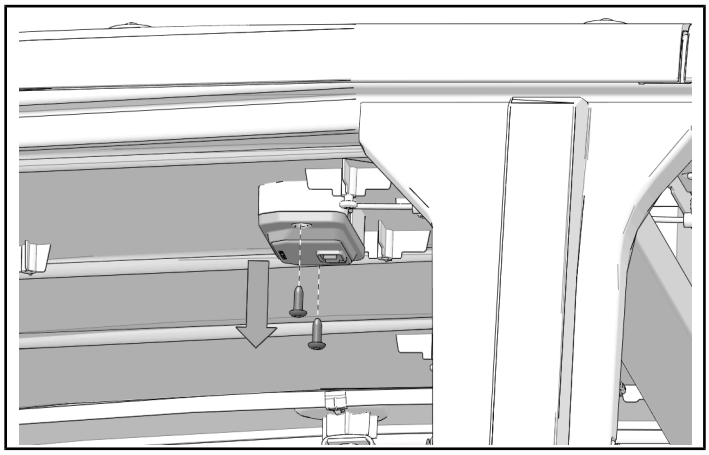


6. Remove and keep front roof liner.

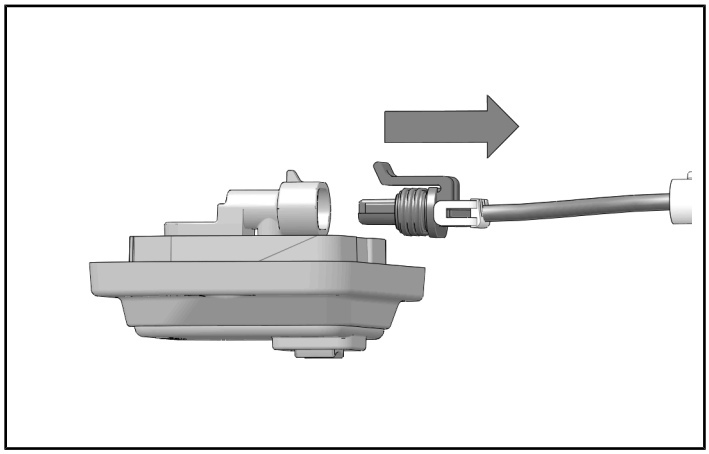


MID-ROOF LINER REMOVAL (MULTI-PASSENGER VEHICLES ONLY)

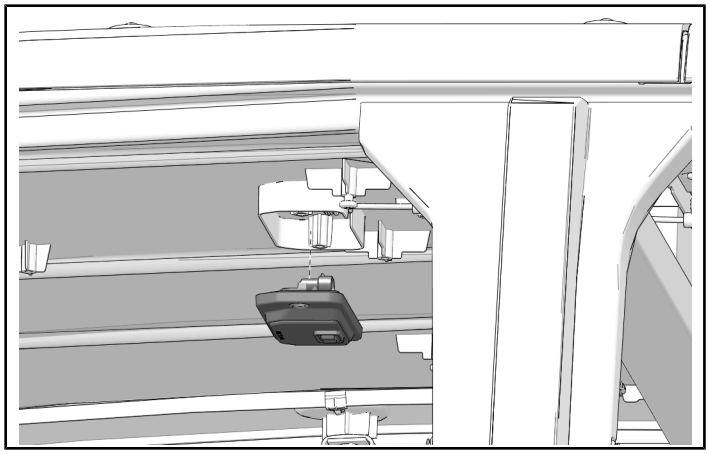
1. Remove and keep two screws from dome light.



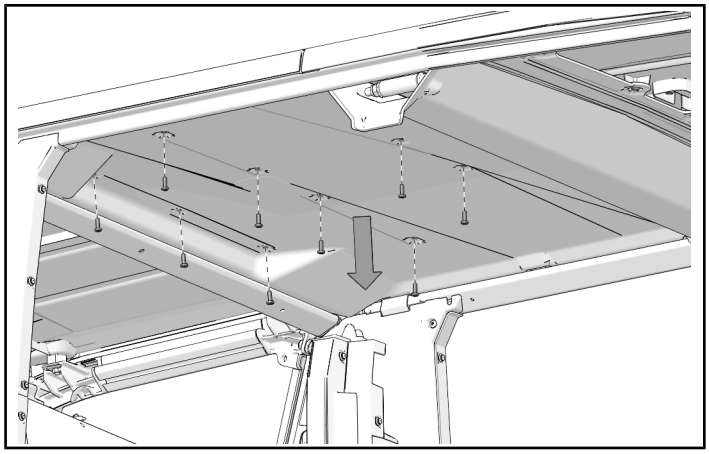
2. Disconnect dome light from wiring harness.



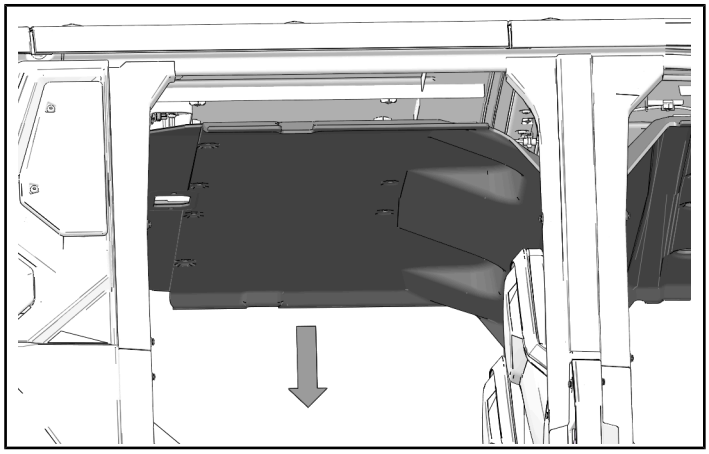
3. Remove and keep dome light.



4. Remove and keep nine screws from mid roof liner.



5. Remove mid roof liner.

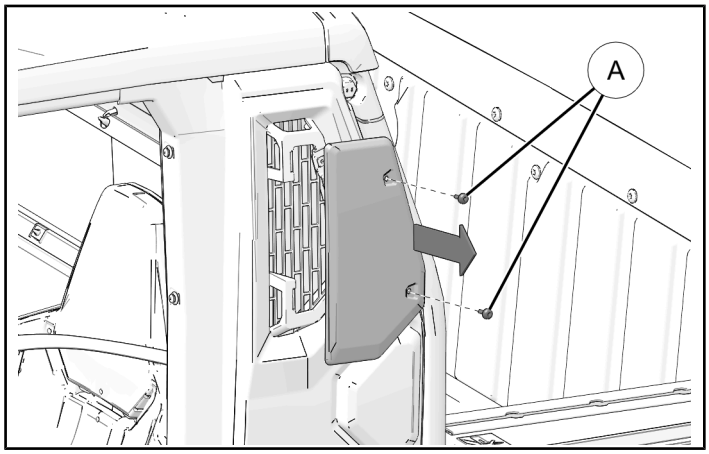


ACCESSORY INSTALLATION

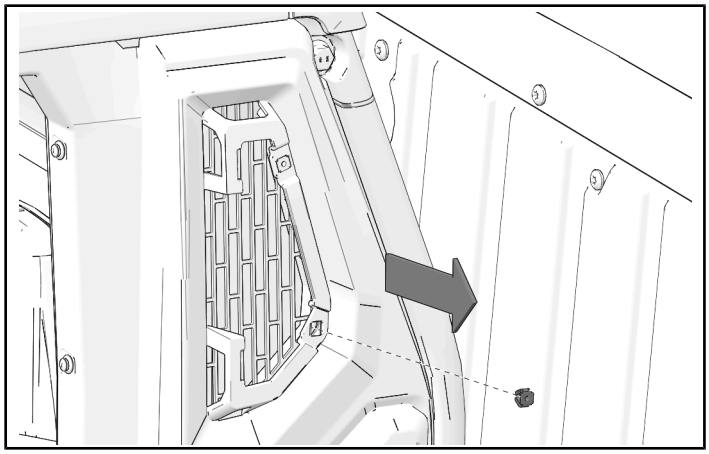
VEHICLE DISASSEMBLY

NOTICE
Left side shown; right side similar.

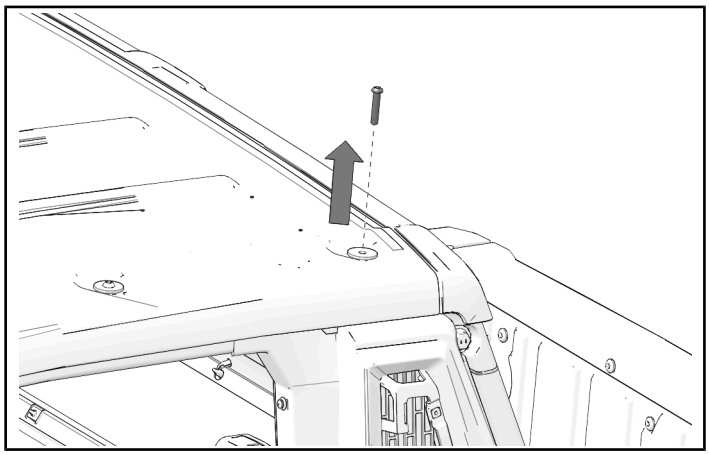
1. Remove and keep two screws Ⓐ. Remove intake cover panel.



2. Remove pal nut from lower mounting hole.



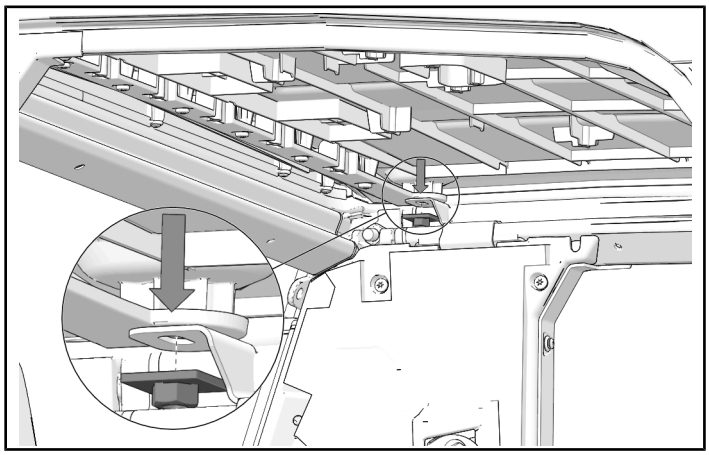
3. Remove roof screw from each side above intake. Do not remove washer or sleeve in roof mounting hole.



4. Remove roof nut near intake.

IMPORTANT

Roof nut is not supported, and will fall when screw is removed. Nut will have to be held in place when new screw is installed.

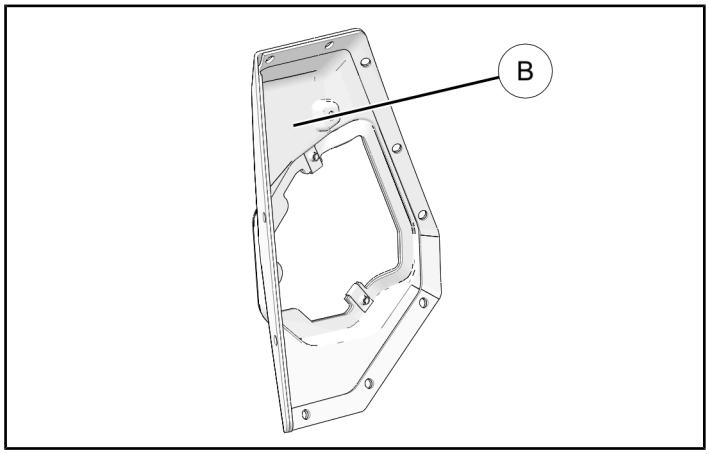


KIT ASSEMBLY

1. Inspect adapter covers. Find part number at area Ⓑ on cover. Use part numbers 5465913 and 5465914 for 2-passenger vehicles. Use part numbers 5465958 and 5465959 for multi-passenger vehicles.

NOTICE

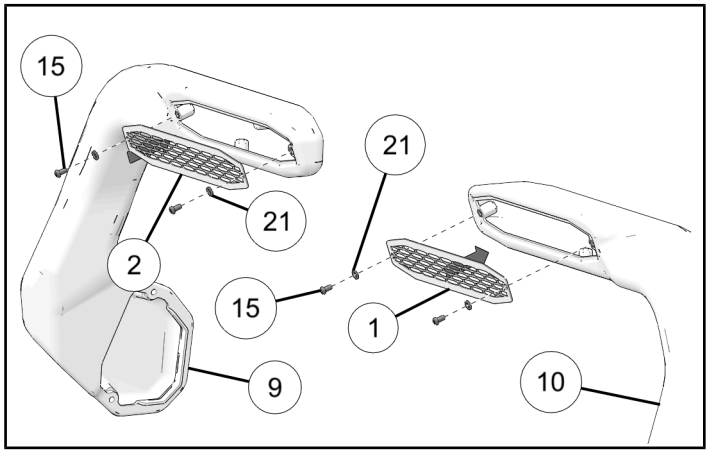
Sample cover shown.



2. Install grill with screen ① on right duct ⑩ using two screws ⑮ and two washers ㉑. Install grill ② on left duct ⑨ using two screws ⑮ and two washers ㉑. Torque screws to specification.

TORQUE

Screws ⑮:
44 in-lbs (5 N·m)

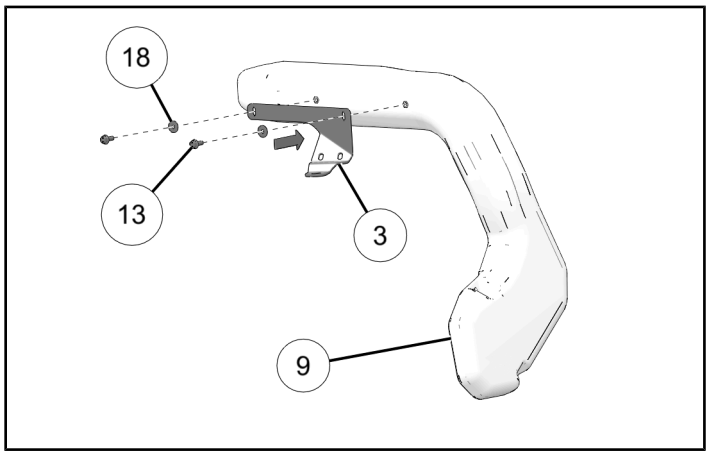


3. Install roof mounting bracket ③ using two screws ⑬ and two washers ⑱.

DO NOT torque fasteners at this time.

NOTICE

Left side shown; right side similar.

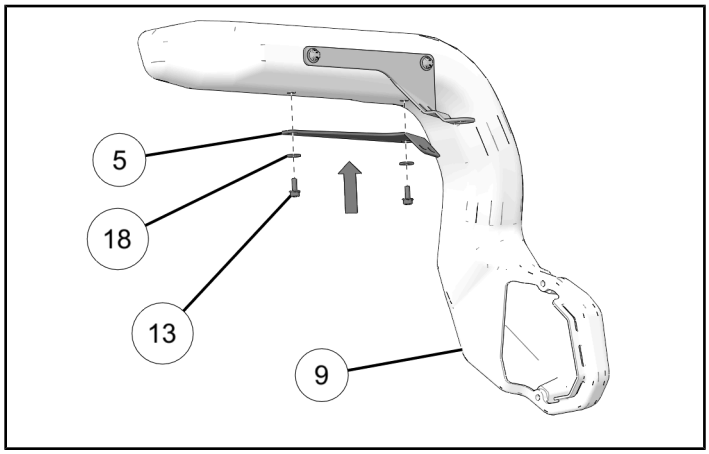


4. Install duct mounting bracket ⑤ using two screws ⑬ and two washers ⑱.

DO NOT torque fasteners at this time.

NOTICE

Left side shown; right side similar.

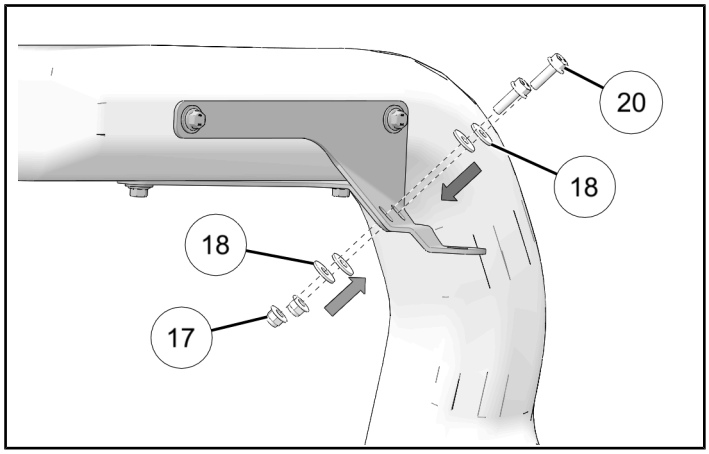


5. Install two screws ⑳, two nuts ⑰, and four washers ⑱.

DO NOT torque fasteners at this time.

NOTICE

Left side shown; right side similar.



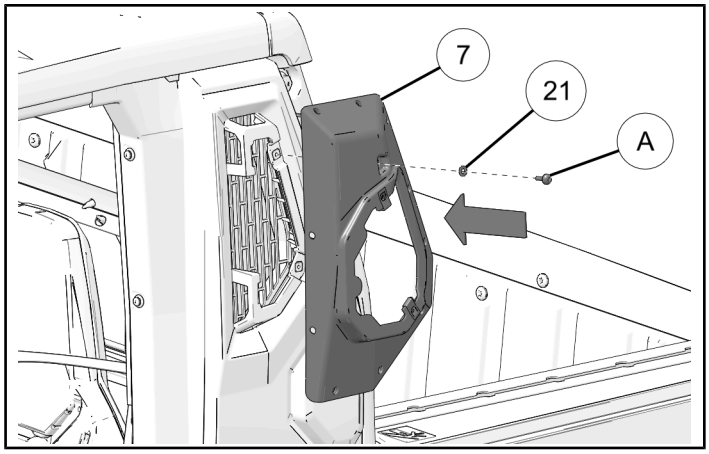
KIT INSTALLATION

NOTICE

Left side shown; right side similar.

1. Install cover ⑦ over intake. Install screw Ⓐ and washer ㉑. Torque screw to specification.

TORQUE
Screw Ⓐ: **35 in-lbs (4 N·m)**



2. Use cover ⑦ as a guide to drill two holes near corner farthest from screw Ⓐ. (One hole on each side of corner.)

IMPORTANT

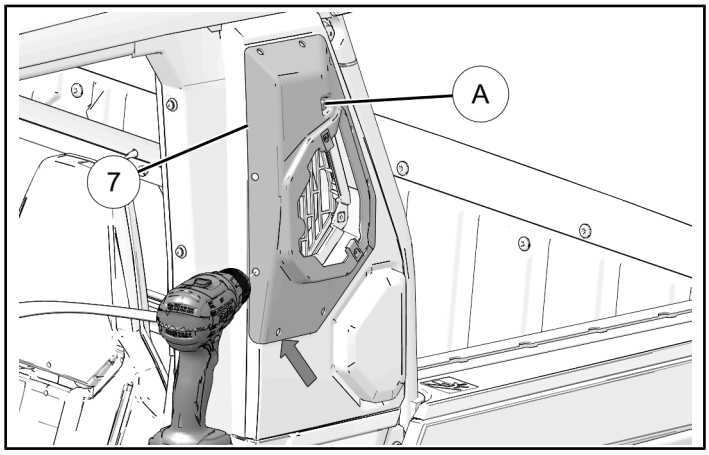
Apply inward pressure to compress gasket while drilling holes.

IMPORTANT

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

MEASUREMENT

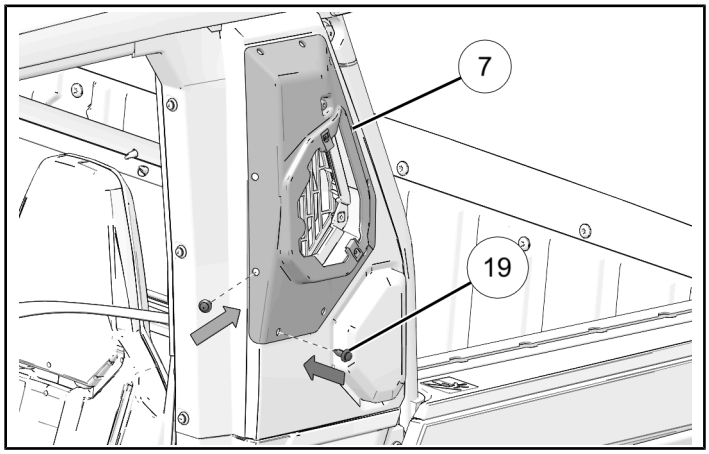
Drill bit: **21/64 in (8 mm)**



3. Install two push-pin rivets ㉖ into holes drilled in previous step.

TIP

When installing push-pin rivets on front side of cover on multi-passenger vehicle, rivet may not seat fully during initial installation. If this occurs, remove rivet, turn rivet one quarter-turn, and install. Rivet should seat fully.



4. Use cover ⑦ as a guide to drill remaining holes to attach cover to vehicle.

IMPORTANT

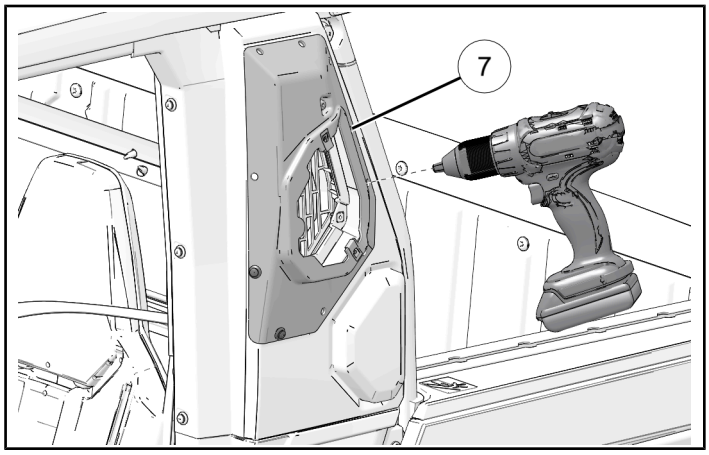
Apply inward pressure to compress gasket while drilling holes.

IMPORTANT

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

MEASUREMENT

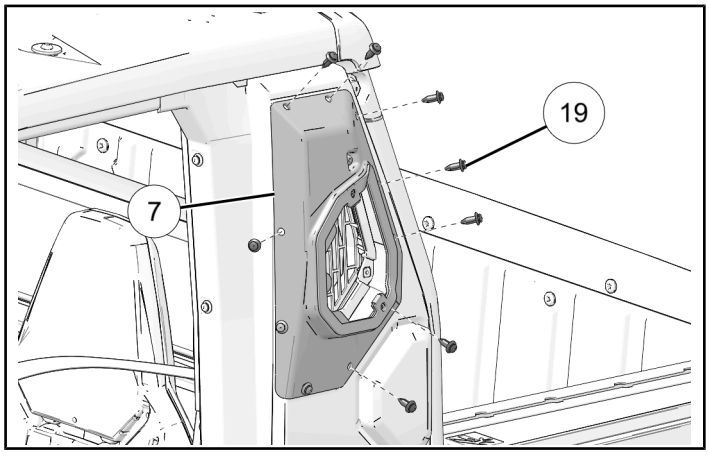
Drill bit: **21/64 in (8 mm)**



5. Install eight push-pin rivets ⑲ into holes drilled in previous step.

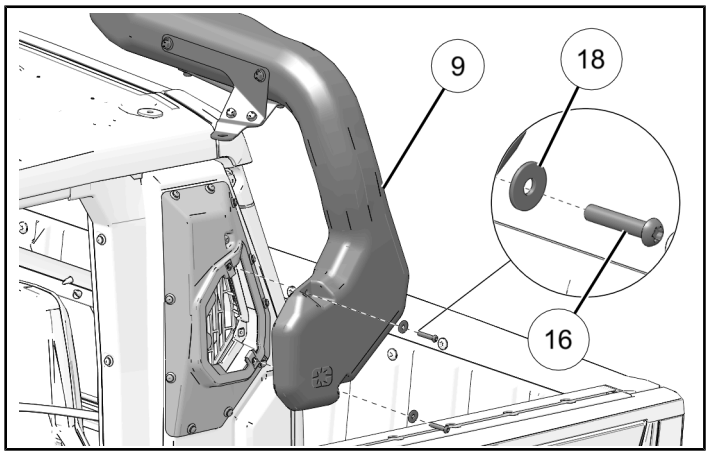
TIP

When installing push-pin rivets on front side of cover on multi-passenger vehicle, rivet may not seat fully during initial installation. If this occurs, remove rivet, turn rivet one quarter-turn, and install. Rivet should seat fully.



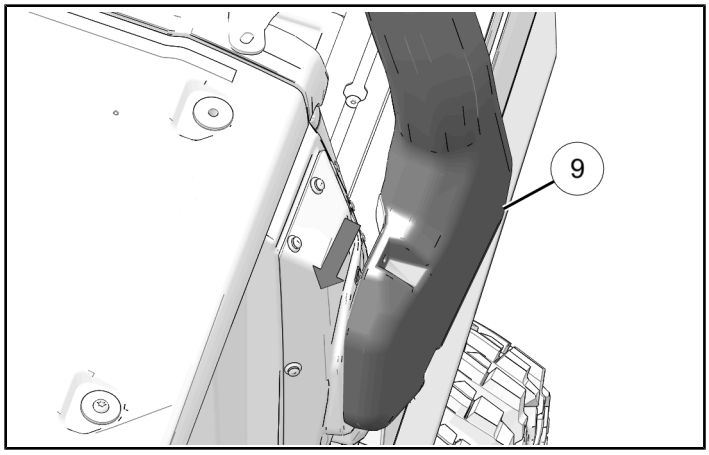
6. Install duct ⑨ using two washers ⑱ and two screws ⑯.

DO NOT torque fasteners at this time.



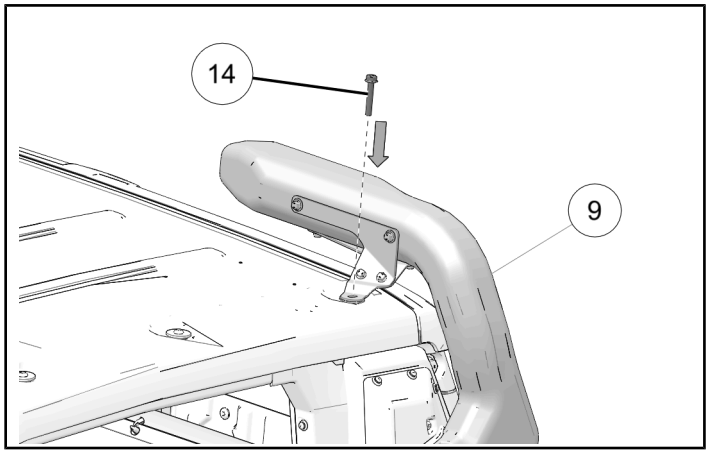
TIP

Slide duct ⑨ forward to install slots of duct onto tabs of cover. Then seat duct against cover.



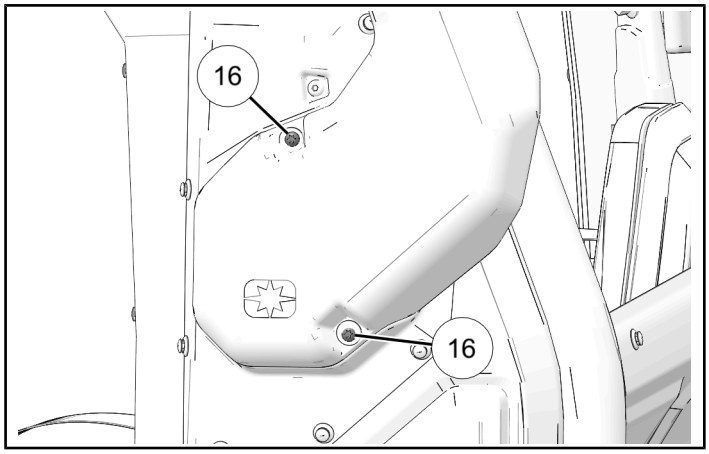
7. Install screw ⑭. Make sure to hold nut under roof until screw is installed.

DO NOT torque fasteners at this time.



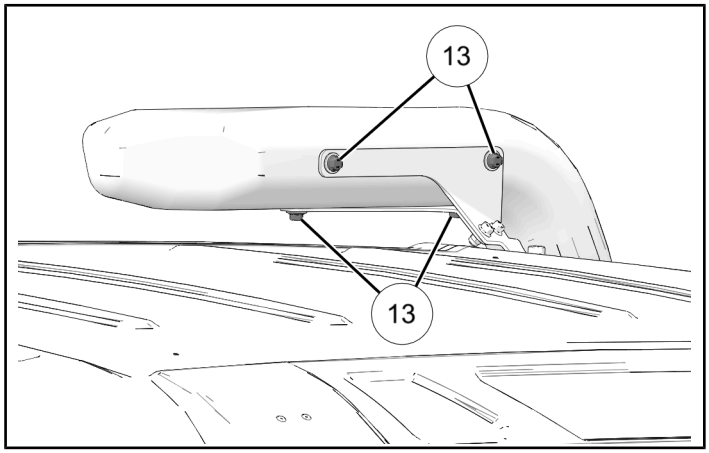
8. Torque duct screws ⑯ to specification.

TORQUE
Screws ⑯: **44 in-lbs (5 N·m)**



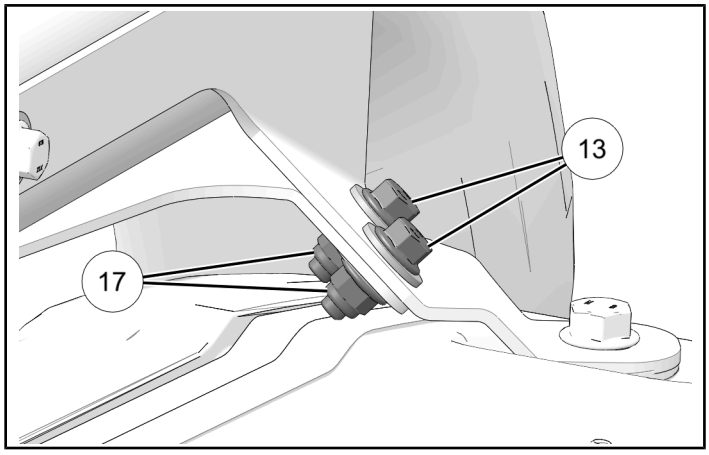
9. Torque mounting screws ⑬ to specification.

TORQUE
Screws ⑬: **44 in-lbs (5 N·m)**



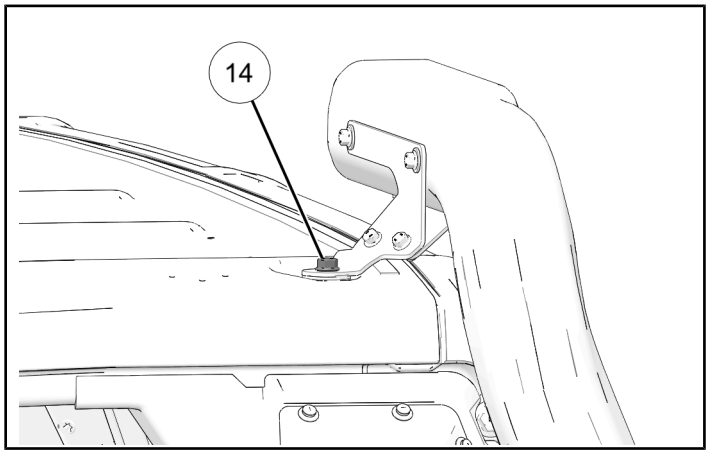
10. Torque nuts ⑰ to specification.

TORQUE
Nuts ⑰: **106 in-lbs (12 N·m)**



11. Torque roof screw ⑭ to specification.

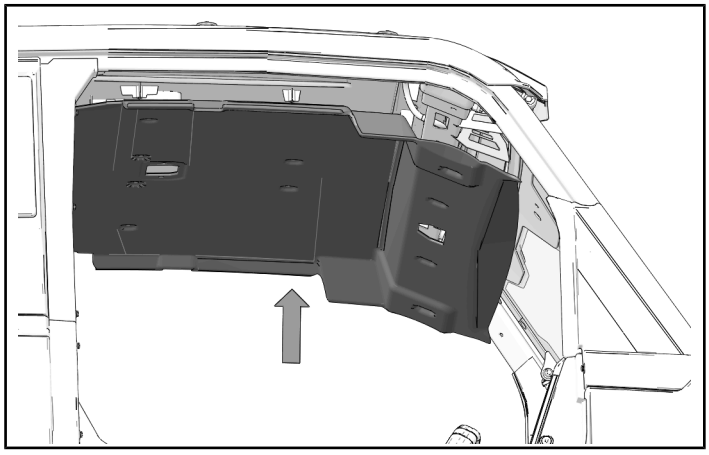
TORQUE
Roof Screw ⑭: **18 ft-lbs (24 N·m)**



VEHICLE REASSEMBLY

FRONT ROOF LINER INSTALLATION

1. Install front roof liner.



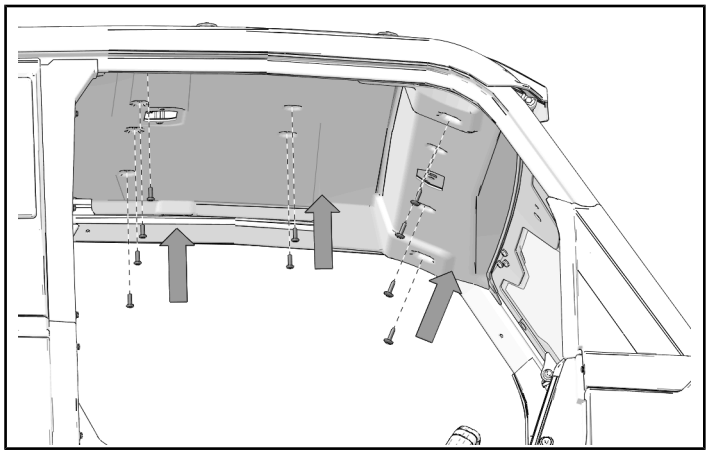
2. Install six screws in top of roof liner and four screws in front of roof liner. Torque screws to specification.

NOTICE
Vehicles that are not equipped with rearview mirror will have a fifth screw at front of roof liner.

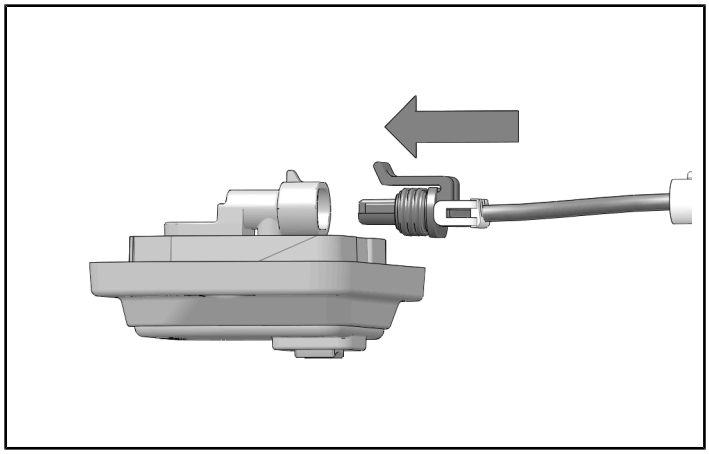
NOTICE
Vehicles equipped with 2-passenger cab will have three additional screws near rear of roof liner.

TORQUE
Top Roof Liner Screws: **27 in-lbs (3 N·m)**

TORQUE
Front Roof Liner Screws: **44 in-lbs (5 N·m)**

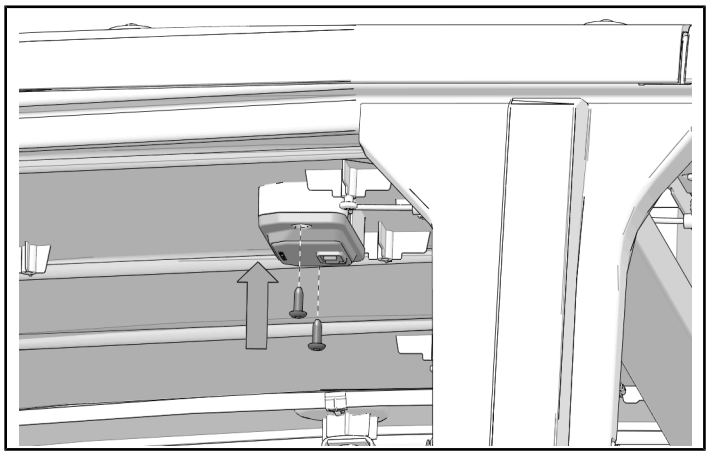


3. Connect wiring harness to dome light.



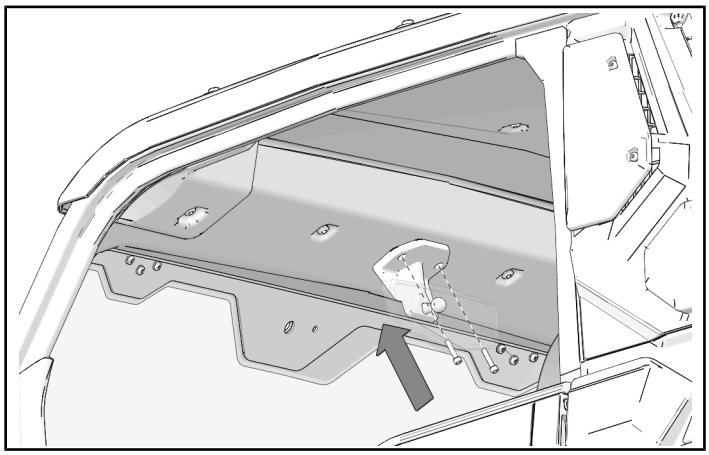
4. Install dome light with two screws. Torque screws to specification.

TORQUE
Dome Light Screws: **22 in-lbs (2.5 N·m)**



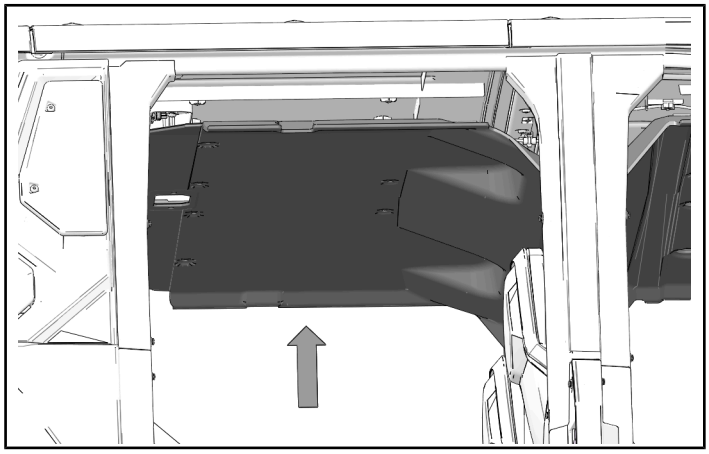
5. Install rearview mirror assembly with two screws. Torque screws to specification.

TORQUE
Mirror Screws: **31 in-lbs (3.5 N·m)**



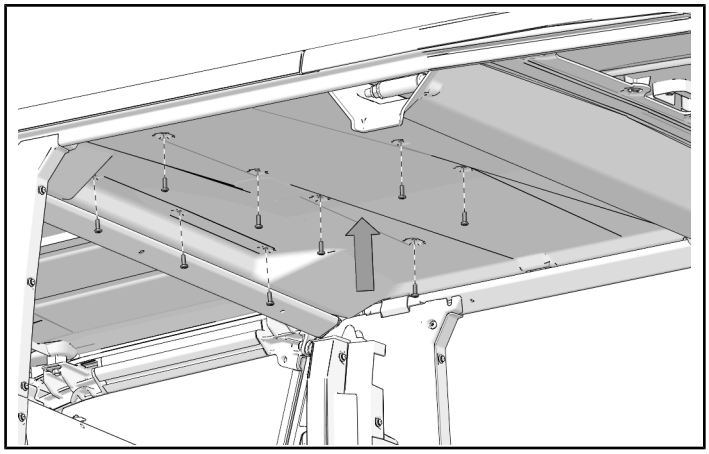
MID ROOF LINER INSTALLATION

1. Install mid roof liner.

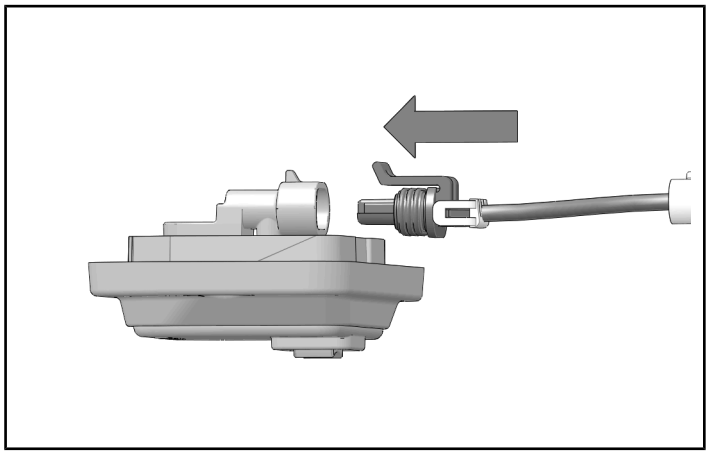


2. Install nine screws in top of roof liner. Torque screws to specification.

TORQUE
Roof Liner Screws: **27 in-lbs (3 N·m)**

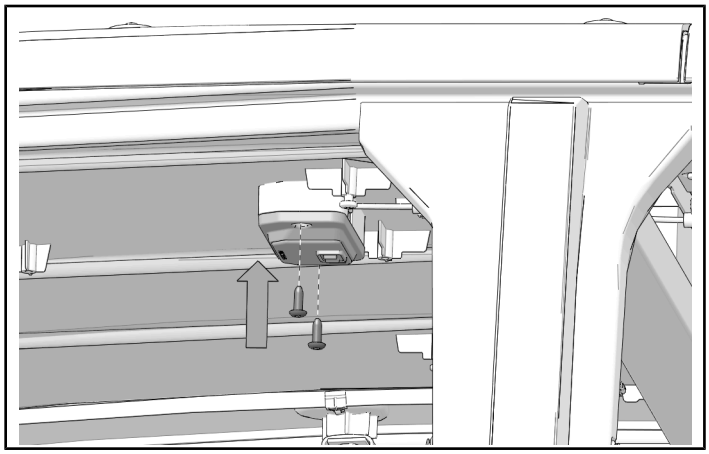


3. Connect wiring harness to dome light.



4. Install dome light with two screws. Torque screws to specification.

TORQUE
Dome Light Screws: **22 in-lbs (2.5 N·m)**



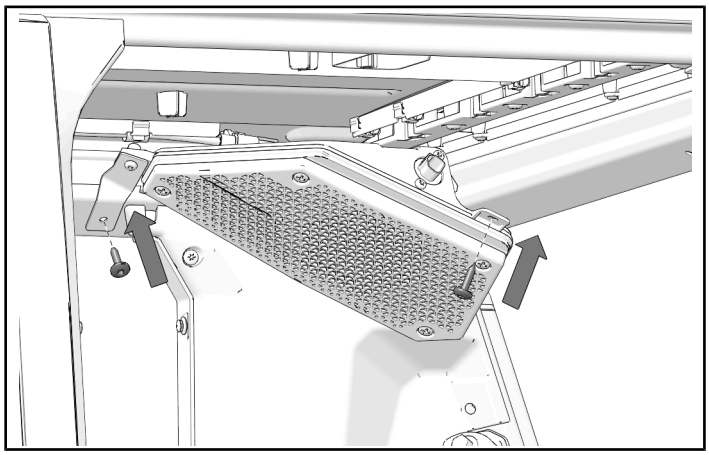
REAR SPEAKER INSTALLATION

1. Install speaker using kept screws. Torque screws to specification.

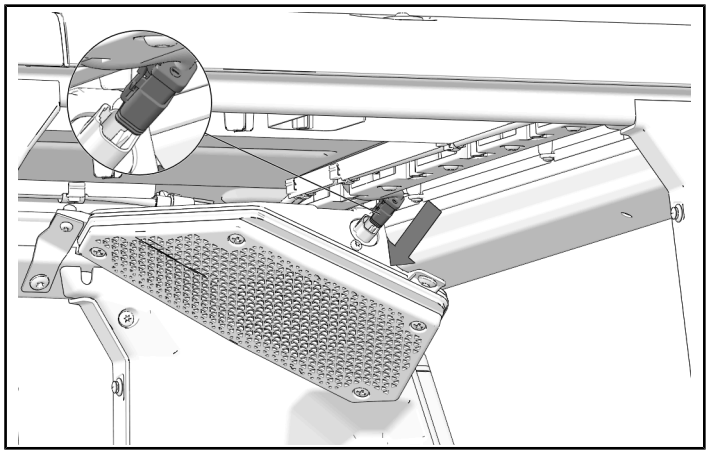
TORQUE
Speaker Mounting Screws: **44 in-lbs (5 N·m)**

NOTICE
Right side shown; left side similar.

TIP
Top of speaker has a shape that engages a space in ROPS. Make sure speaker is fully seated in this space before installing screws.



2. Connect the wiring harness to the speaker.



OPERATION

IMPORTANT
Do not run engine with blocked intake grills. Doing so can cause belt and clutch damage and decreased engine performance. **Before starting engine:** Make sure intake grills and roof are clear of any snow or debris. **During operation:** Stop engine and remove debris if intake grills become blocked.