

32 INCH ROOF LIGHT BAR



P/N 2883947

APPLICATION

Verify accessory fitment at www.polaris.com.

BEFORE YOU BEGIN

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

REQUIRED SOLD SEPARATELY

Only parts for installation of the 32 Inch Roof Light Bar are included. The following additional kits are also required (sold separately):

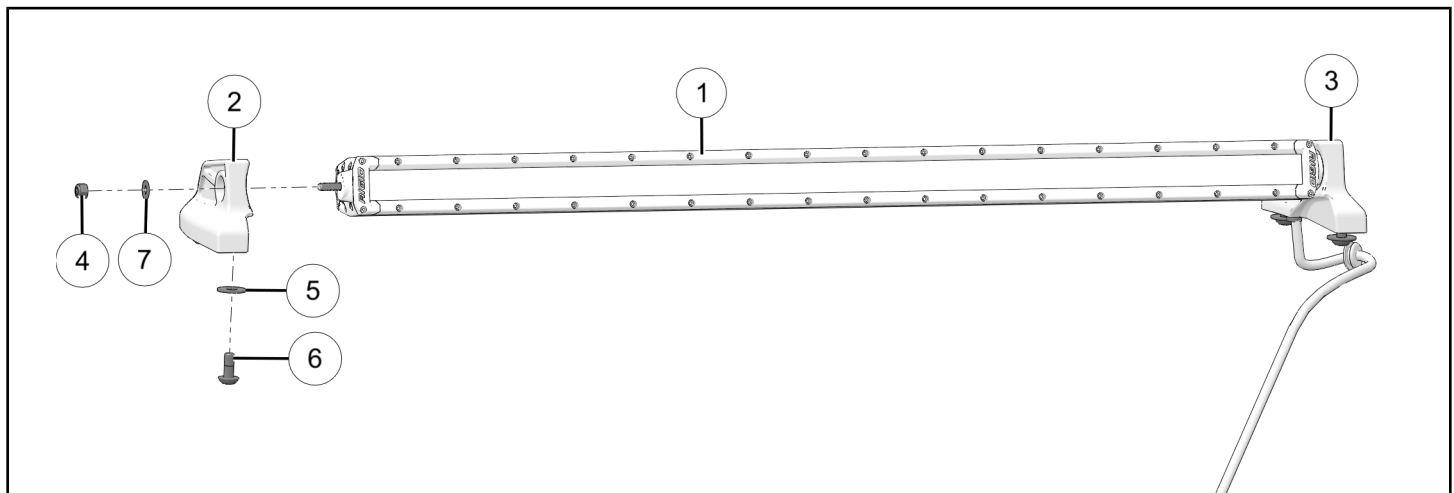
ROOF KIT (SELECT ONE)

- Poly Roof Kit, P/N 2882938 (2 passenger), 2883946 (4 Passenger)
- Aluminum Roof Kit, P/N 2883743-XXX (2 Passenger), 2883990 (4 Passenger)

HARNESS KIT

- Light Bar Harness Kit, P/N 2883949

KIT CONTENTS

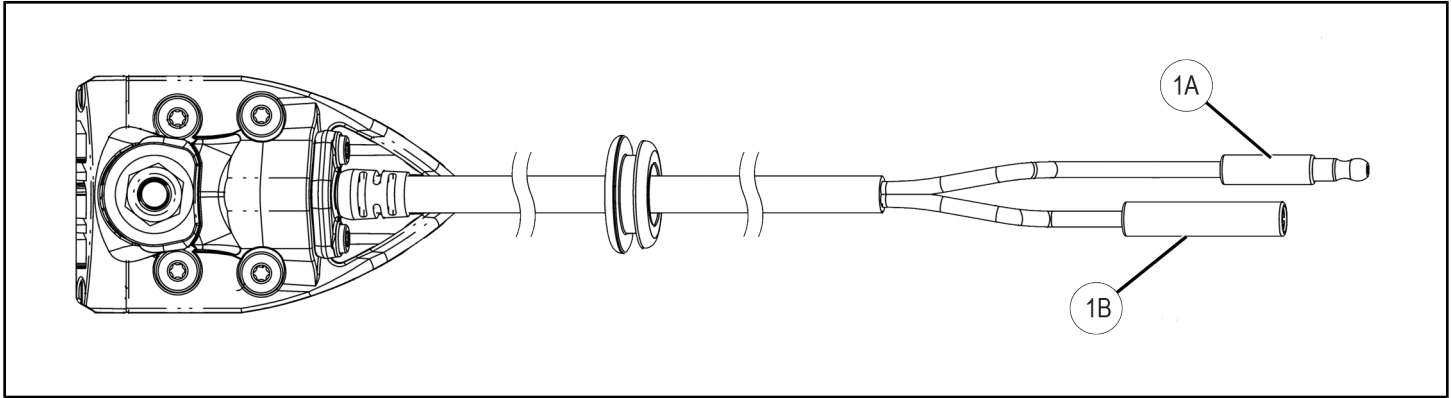


REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY
1	1	Assembly–Light Bar, 32 Inch, Roof	n/a
2	1	Light Bar Mount, Right	5634274
3	1	Light Bar Mount, Left	5634273
4	2	Nut–Light Bar Mount	n/a
5	4	Washer, 8.4 x 24 x 2	7556045
6	4	Screw–Torx® Tapered Head, M8 x 1.25 x 20	7519997

REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY
7	2	Washer–Light Bar Mount	n/a
8	1	Grommet–Rubber (not shown)	5413027

HARNESS DETAIL

LIGHT BAR HARNESS



REF	PART DESCRIPTION	PIN QTY/ GENDER	CONNECTS TO
1A	Light Bar Positive (+) Wire	1 Pin / Male	Light Bar Harness Positive Connector
1B	Light Bar Negative (-) Wire	1 Pin / Female	Light Bar Harness Negative Connector

TOOLS REQUIRED

- Safety Glasses
- Drill
- Drill Bit:
 - 3/8 in (9 mm)
 - 1/2 in (13 mm)
- Fish Tape (or equivalent)
- Pick and Hook Set
- Pliers, Needle Nose
- Pliers, Push Pin Rivet
- Socket Set, Metric
- Socket Set, Torx® Bit
- Torque Wrench

CONSUMABLES REQUIRED

- Grease, Polaris® All Season (or equivalent)
- Tape, Electrical
- Tape, Masking

IMPORTANT

Your 32 Inch Roof Light Bar 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

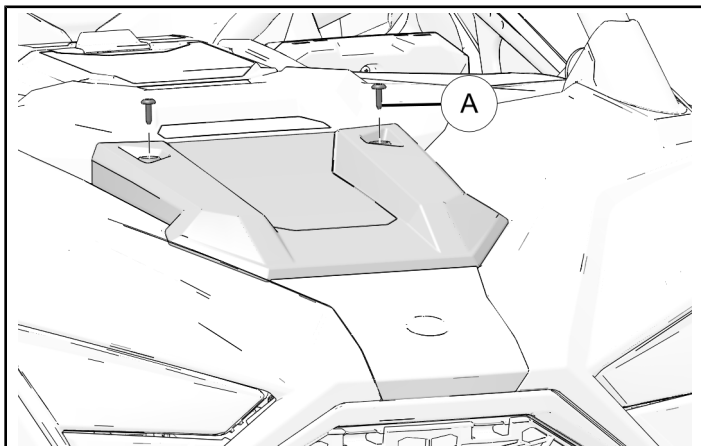
VEHICLE PREPARATION

GENERAL

1. Shift vehicle transmission into PARK. Turn ignition switch to OFF position and remove key.
2. **If equipped with roof:**
Remove roof from vehicle and carefully set aside, bottom side facing up.

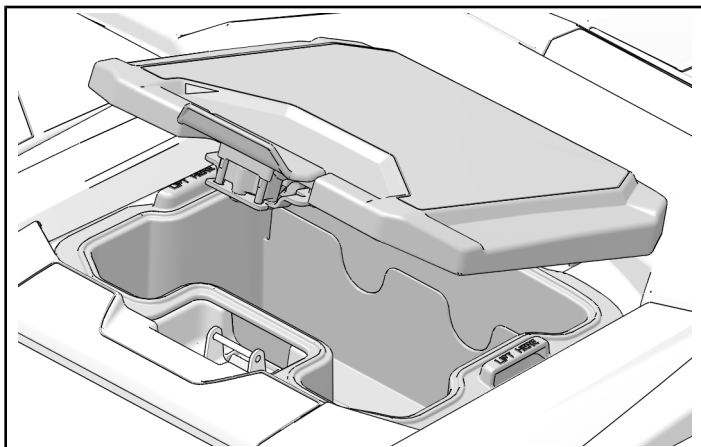
CENTER HOOD PANEL REMOVAL

1. Remove and retain two hood fasteners (A). Slide hood towards rear of vehicle to remove.



DASHBOARD STORAGE REMOVAL

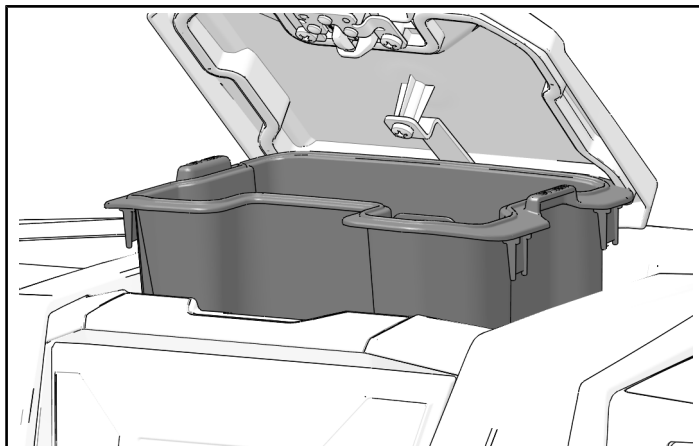
1. Open center dashboard storage compartment.



2. Remove storage compartment from dashboard.

TIP

If removing storage compartment is difficult, carefully use tool to pry storage compartment upwards where marked "LIFT HERE."

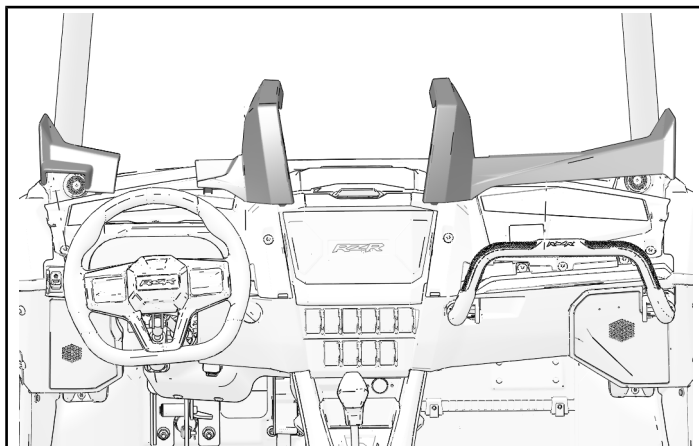


DASHBOARD TOP REMOVAL

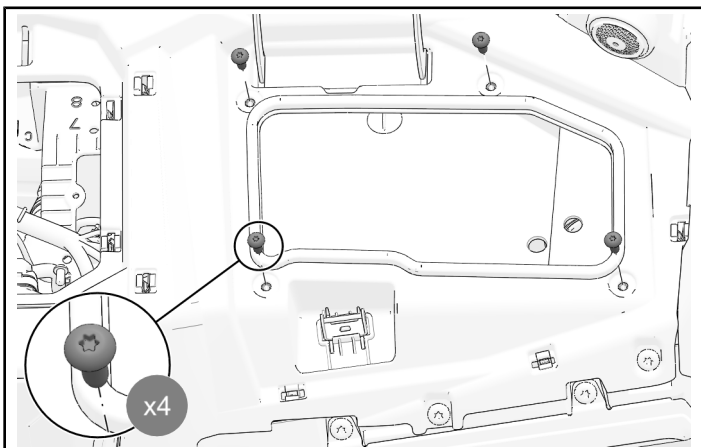
1. Carefully pull up to remove left, center, and right dashboard trim pieces.

TIP

Release steering tilt lock for improved access.



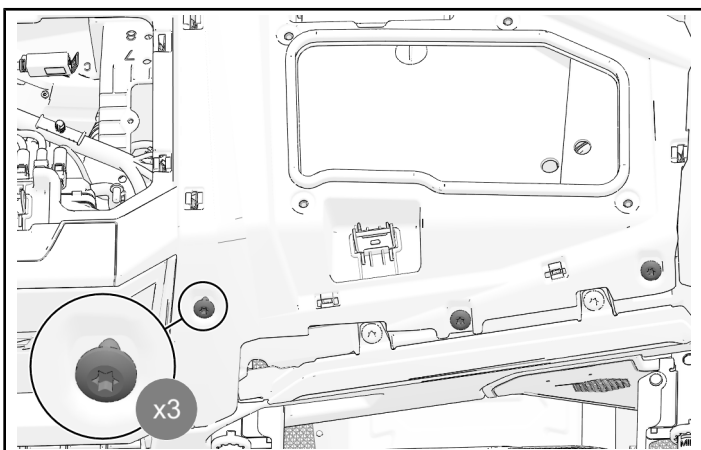
2. Open glove box lid. Remove and retain four dashboard fasteners around glove box opening.



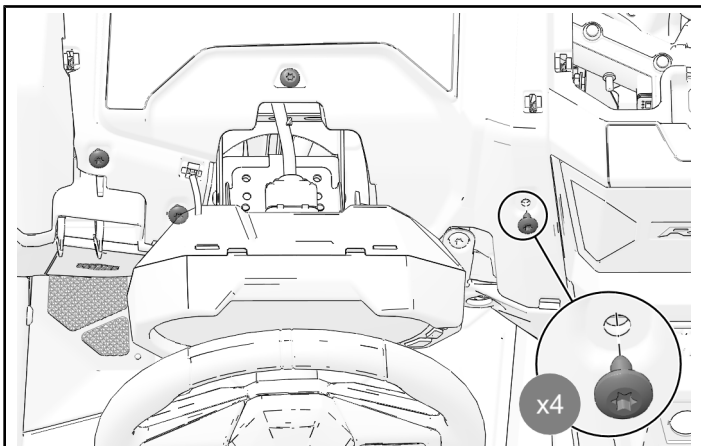
3. Remove and retain three front dashboard fasteners around glove box opening.

TIP

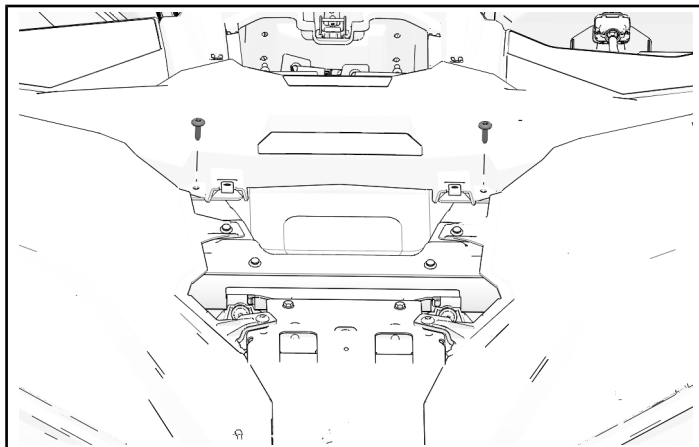
Make note of different screw sizes in steps 2 and 3.



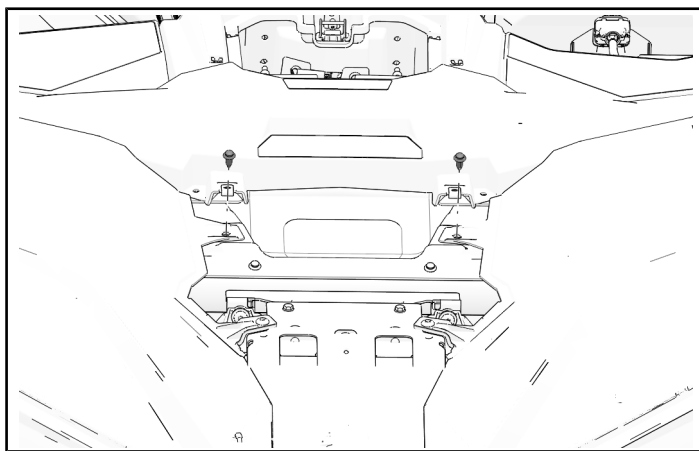
4. Tilt steering wheel down. Remove and retain four dashboard fasteners from dashboard surrounding steering wheel.



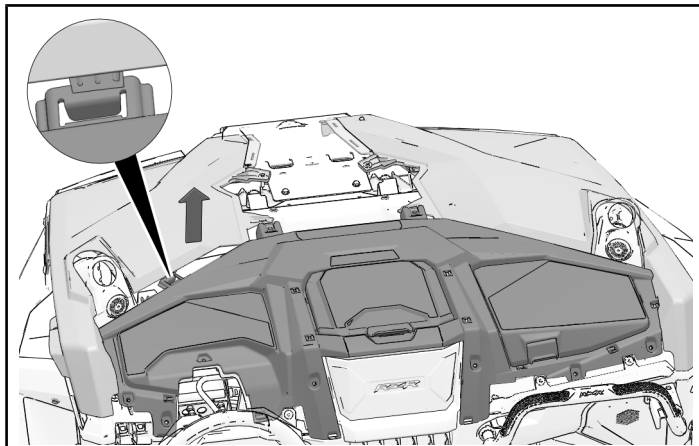
5. Remove and retain two dashboard fasteners from front of vehicle.



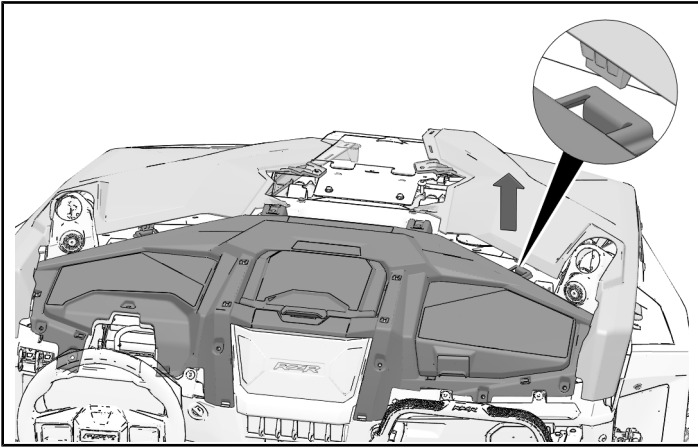
6. Remove and retain two push-pin rivets from front side hood panels.



7. Carefully lift edge of left front hood panel to release tab from dashboard top as shown.



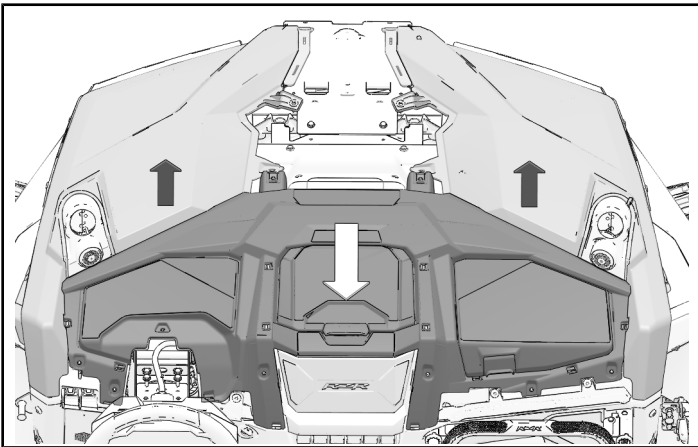
8. Carefully lift edge of right front hood panel to release tab from dashboard top as shown.



9. Carefully keep panels up-and-away from tabs and remove dashboard top by tilting rear section up and pulling out toward rear.

TIP

Two people are recommended to complete this step.



ACCESSORY INSTALLATION

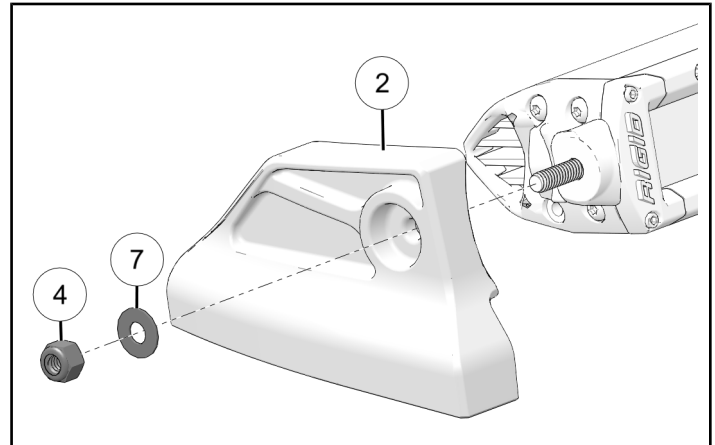
ASSEMBLE LIGHT BAR

NOTE

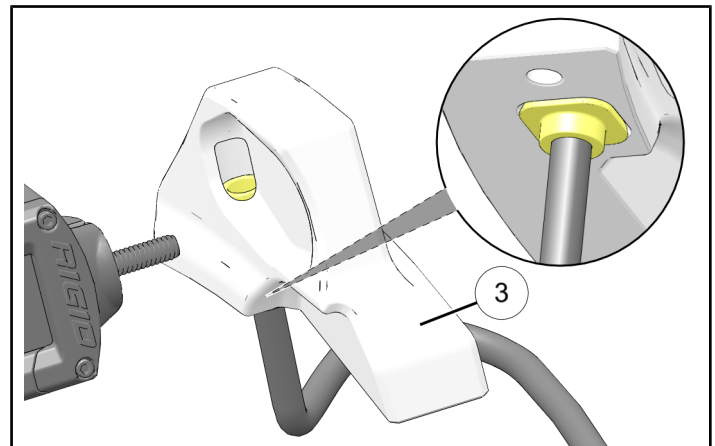
Poly roof shown; aluminum roof similar.

1. Loosely install right light bar mount ② to light bar with one washer ⑦ and nut ④.

Do not tighten fasteners at this time.

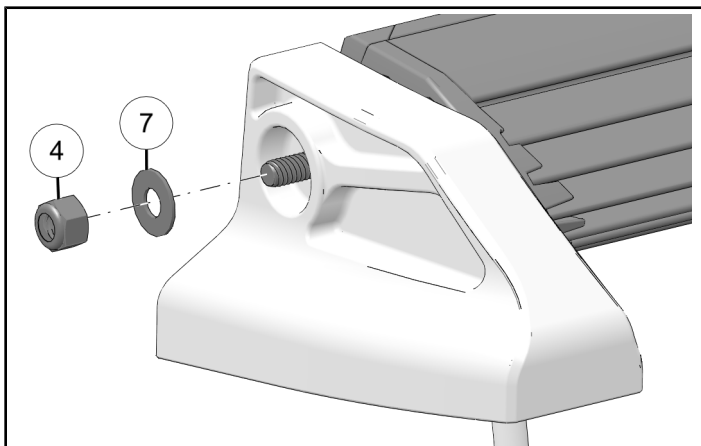


2. Pass harness through grommet and feed wiring harness through left light bar mount ③ and out bottom. Ensure rubber grommet is properly installed as shown.



- Loosely install left light bar mount ③ to light bar with one washer ⑦ and nut ④.

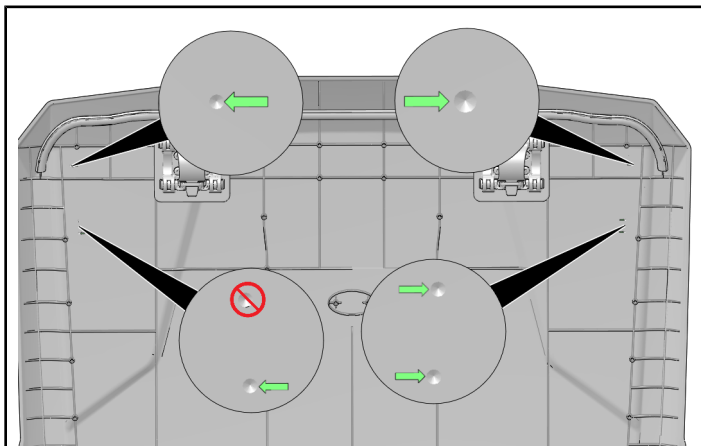
Do not tighten fasteners at this time.



ROOF PREPARATION

POLY ROOF PANEL (IF EQUIPPED)

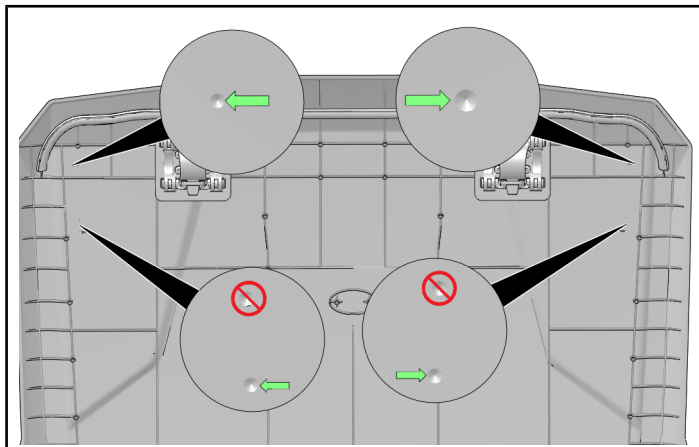
- Locate five dimples in underside of roof. (Shown with arrows).



- Drill four holes in outermost dimples as shown.

MEASUREMENT

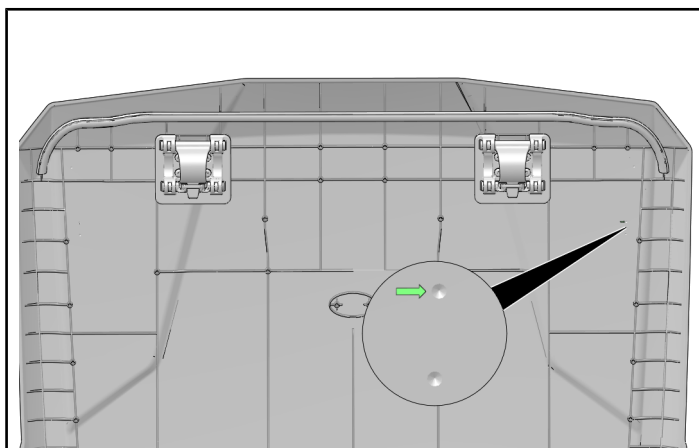
Drill Bit Size:
3/8 in (9 mm)



- Drill one hole in driver side middle hole as shown.

MEASUREMENT

Drill Bit Size:
1/2 in (13 mm)



ALUMINUM ROOF PANEL (IF EQUIPPED)

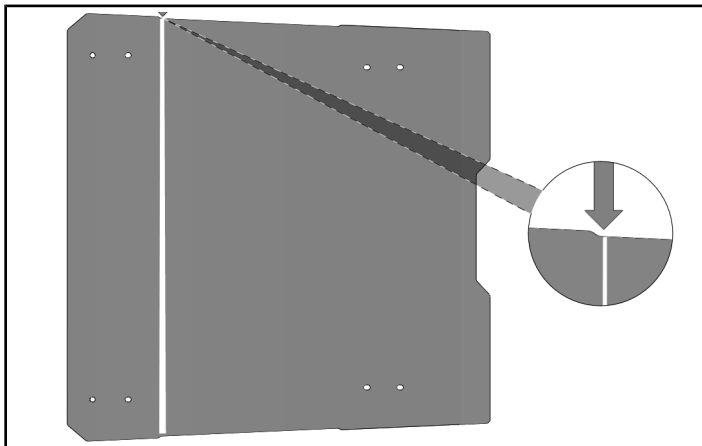
- Detach template page, located at the end of this instruction.
- Locate REFERENCE DIMENSION on template page.

Verify REFERENCE DIMENSION is exact and template was properly printed to scale.

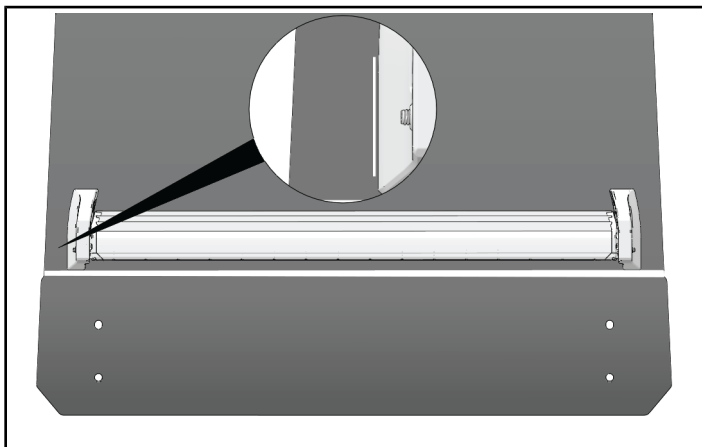
NOTE

If REFERENCE DIMENSION is not exact, reprint template page from electronic file. Adjust print setting to **“Actual Size”** to obtain 1:1 scale. Electronic file available from your **Authorize Polaris® Dealer**.

3. Cut out each individual mount template.
4. Adhere masking tape (or equivalent) along front of roof, from indent to indent.



5. Center light bar assembly on roof. Align light bar along taped line. Mark roof along each outside edge of mounting brackets.



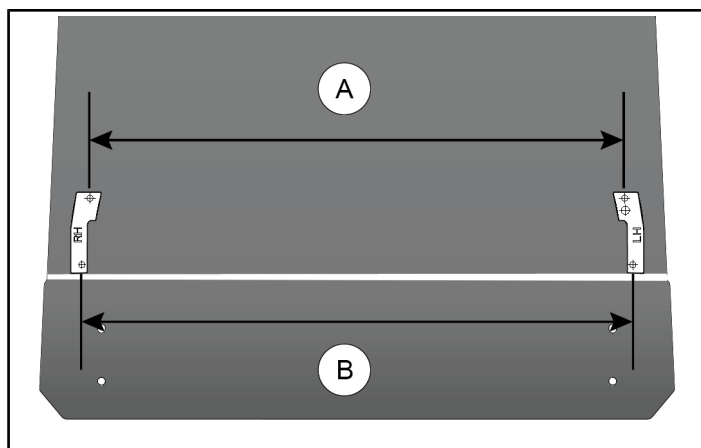
6. Align templates on markings made in previous step. Use tape to hold template in place. Verify distances (center of mounting hole to center of mounting hole) are correct, according to measurements below.

MEASUREMENT

Measurement Ⓐ:
(847 mm)

MEASUREMENT

Measurement Ⓑ:
(873.3 mm)



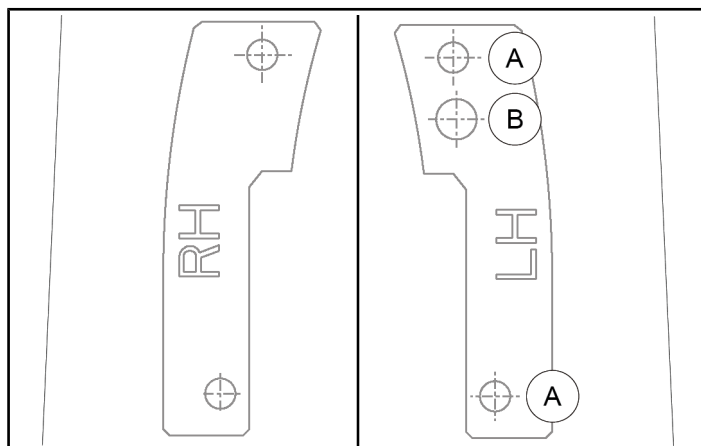
7. Mark holes according to templates and drill according to measurements.

MEASUREMENT

Measurement Ⓐ:
3/8 in (9.5 mm)

MEASUREMENT

Measurement Ⓑ:
1/2 in (13 mm)



LIGHT BAR MOUNTING

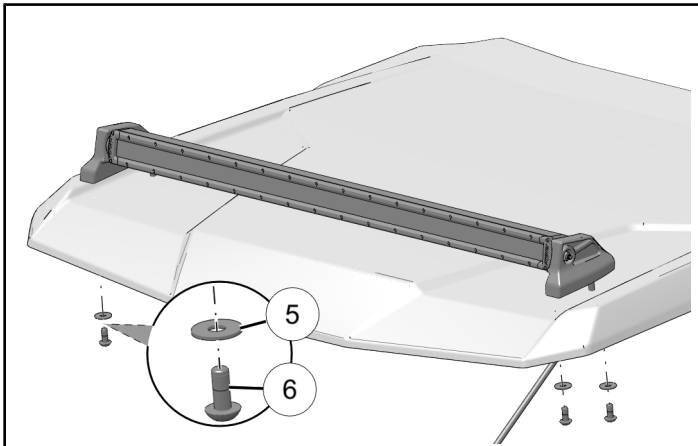
NOTE

Poly roof shown; aluminum roof similar.

1. Route wire harness through larger drilled hole and set light bar assembly on roof and loosely install four screws ⑥ and washers ⑤. Once all four screws are installed, align light bar and torque screws ⑥ to specification.

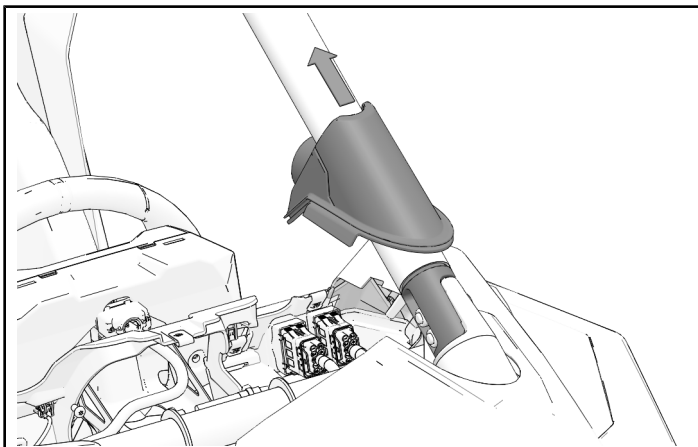
TORQUE

Light Bar Bracket Fasteners ⑥:
16 ft-lbs (22 N·m)

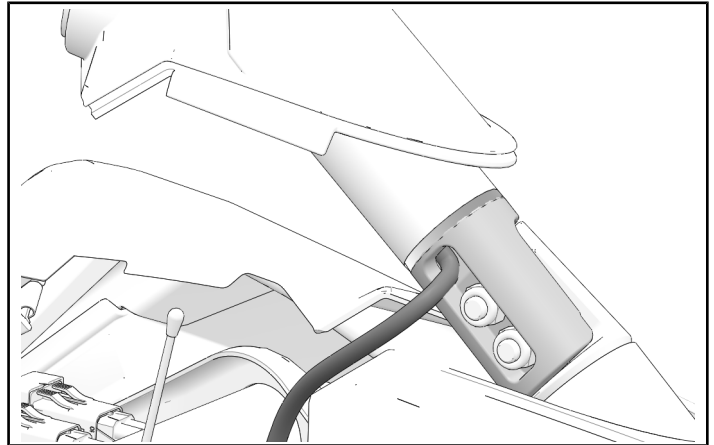


ROUTE HARNESS

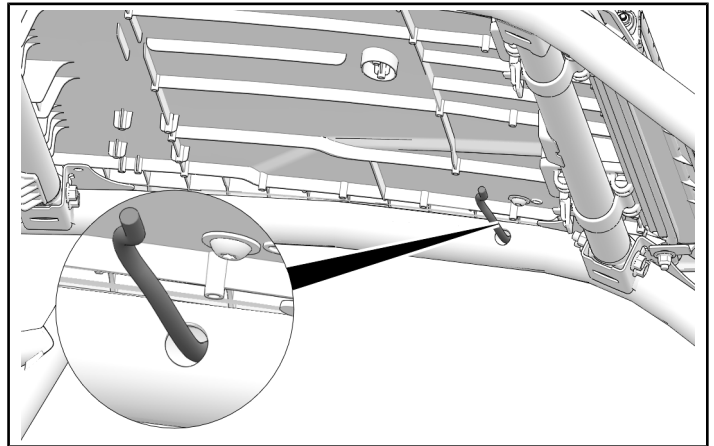
1. Slide left side rubber boot up ROPS to reveal lower brace of roll cage.



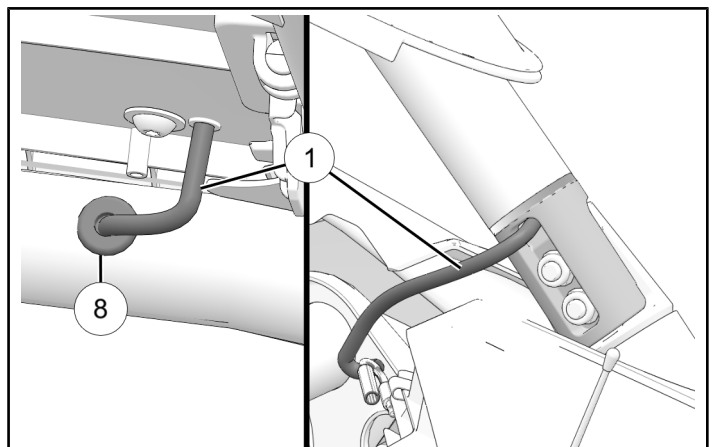
2. Feed fish tape (or equivalent) into opening in lower roll cage brace and up tubing, toward roof.



3. Locate fish tape and pull from round opening in roll cage as shown.



4. Slide grommet ⑧ onto light bar harness ①. Tape light bar harness ① to fish tape and pull back through hole and out opening in lower brace. Once wire is routed, install grommet ⑧ into round opening in ROPS to seal.

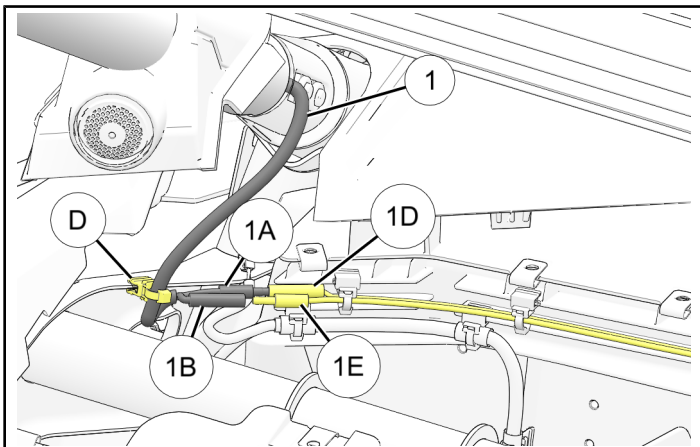


LIGHT BAR HARNESS KIT INSTALLATION

1. Refer to *Light Bar Harness Kit*, PN 2883949 for installation procedures.

CONNECT HARNESS

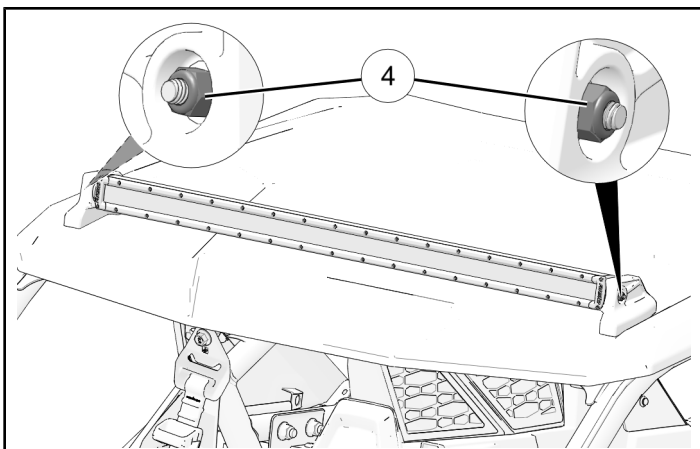
1. Join light bar harness ① connectors **1A** and **1B** to corresponding light bar *Harness Kit*, P/N 2883949 connectors **1D** and **1E**. Wrap connectors in electrical tape. Attach clip **D** to edge of firewall as shown.



2. Adjust aim of light bar to desired position and tighten outer nuts ④ to specification.

TORQUE

Light Bar End Nut ④:
16 ft-lbs (22 N·m)



VEHICLE REASSEMBLY

GENERAL

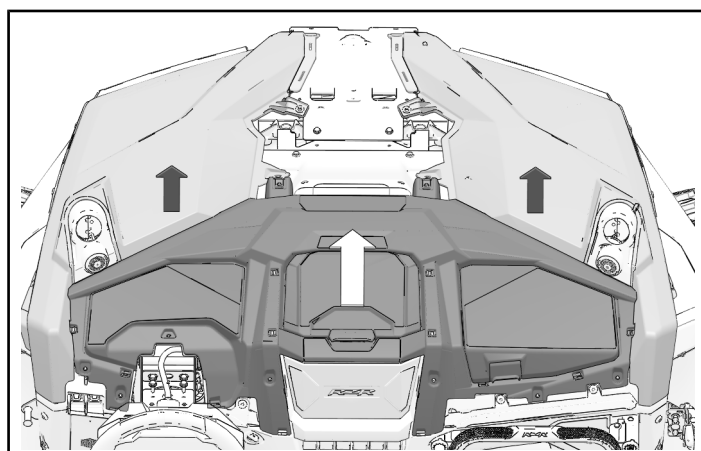
1. Verify light bar operates properly before proceeding with vehicle reassembly.
2. Proceed with installation / reinstallation of roof, as per installation instructions.

DASHBOARD TOP INSTALLATION

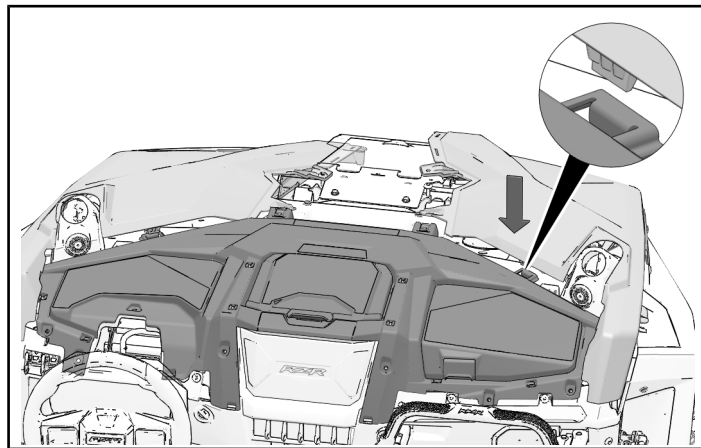
1. Carefully lift panels up-and-away from tabs and install dashboard top into place by tilting rear section up and installing front section first, then lower rear section into place.

TIP

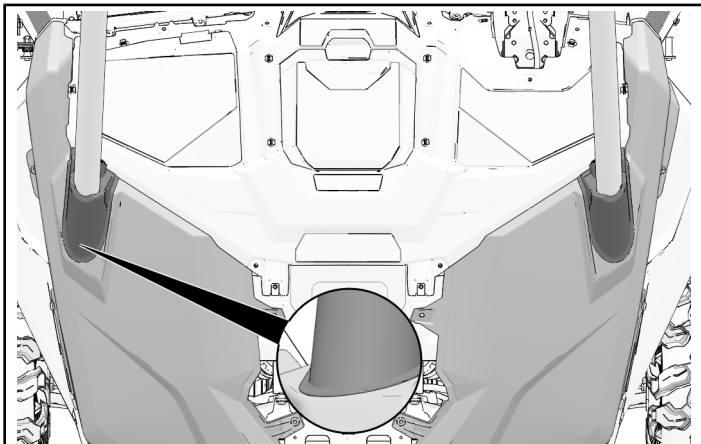
Two people are recommended to complete this step.



2. Ensure that tabs on panels are aligned in slots on dashboard top. (Passenger-side panel shown; driver-side panel similar.)



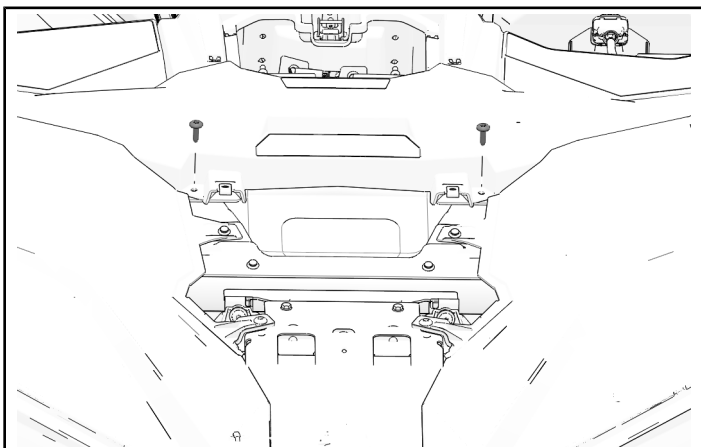
3. Ensure that both rubber boots are properly seated around hood panels. Only upper lip should be visible, as shown with inset.



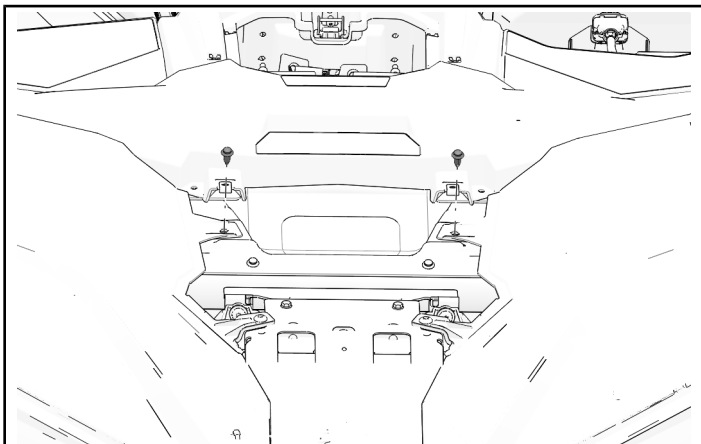
4. Reinstall two retained front dashboard fasteners into front edge of top dashboard.

TORQUE

Front Dashboard Fasteners:
88 in-lbs (10 N·m)



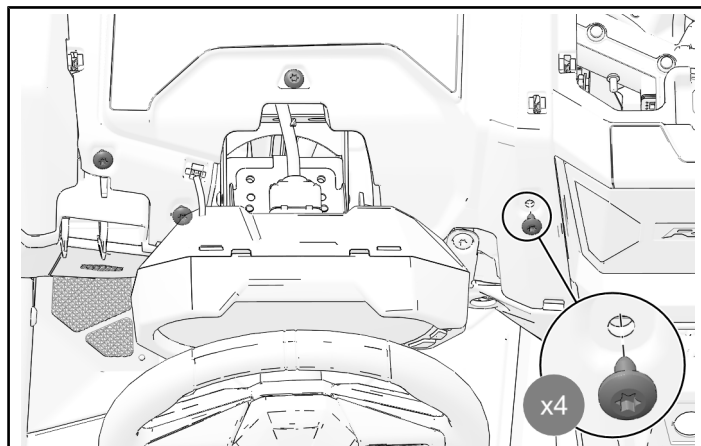
5. Install hood panels to with two retained push-pin rivets



6. Tilt steering wheel down. Install four retained screws through dashboard top and torque to specification.

TORQUE

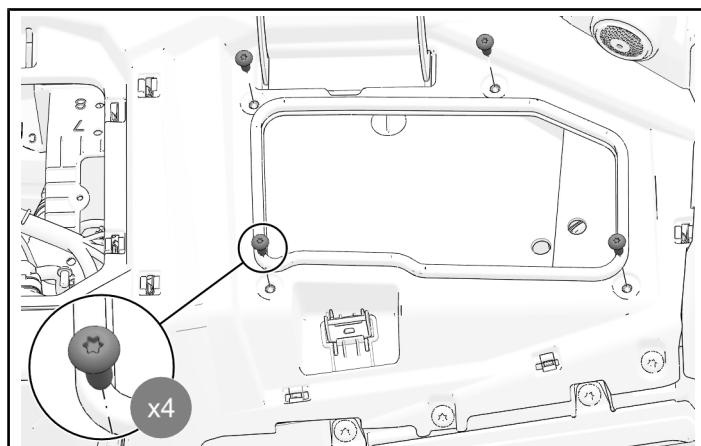
Dashboard Fasteners:
88 in-lbs (10 N·m)



7. Open glove box lid and reinstall storage compartment. Install four retained dashboard fasteners around glove box opening.

TORQUE

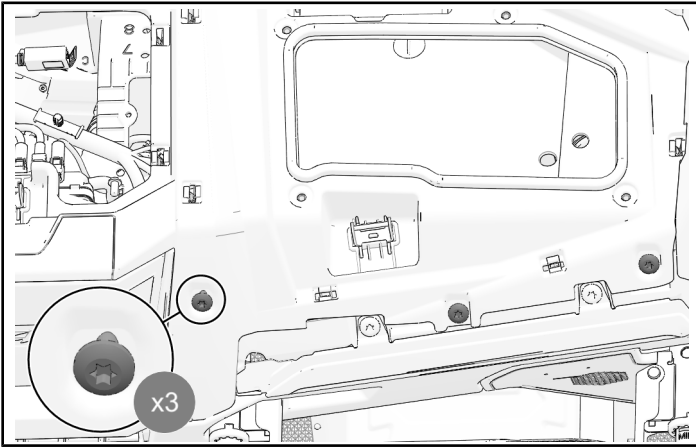
Dashboard Fasteners:
88 in-lbs (10 N·m)



8. Install front of dashboard with three retained dashboard fasteners.

TORQUE

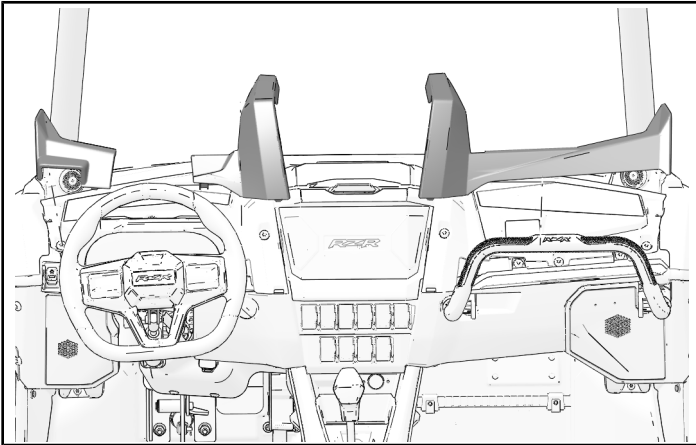
Dashboard Fasteners:
88 in-lbs (10 N·m)



9. Install retained left, center, and right dashboard trim pieces.

TIP

Release steering tilt lock for improved access.



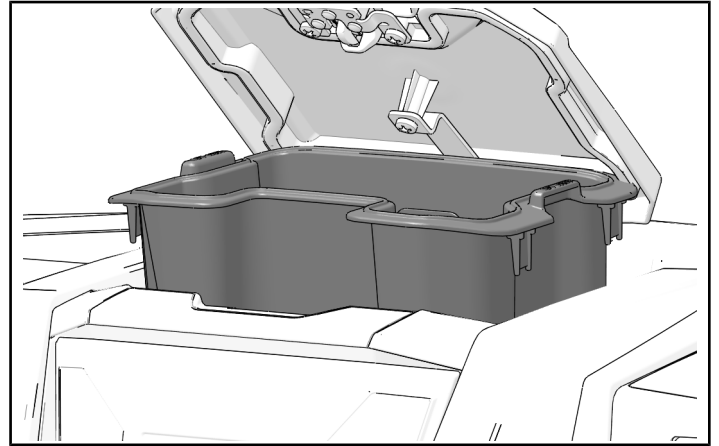
FEEDBACK FORM

A feedback form has been created for the installer to provide any comments, questions or concerns about the installation instructions. The form is viewable on mobile devices by scanning the QR code or by clicking [HERE](#) if viewing on a PC.



DASHBOARD STORAGE INSTALLATION

1. Slide storage compartment into dashboard cavity.

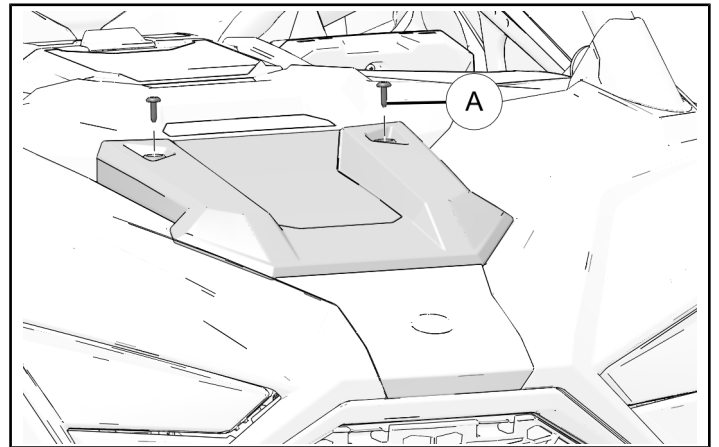


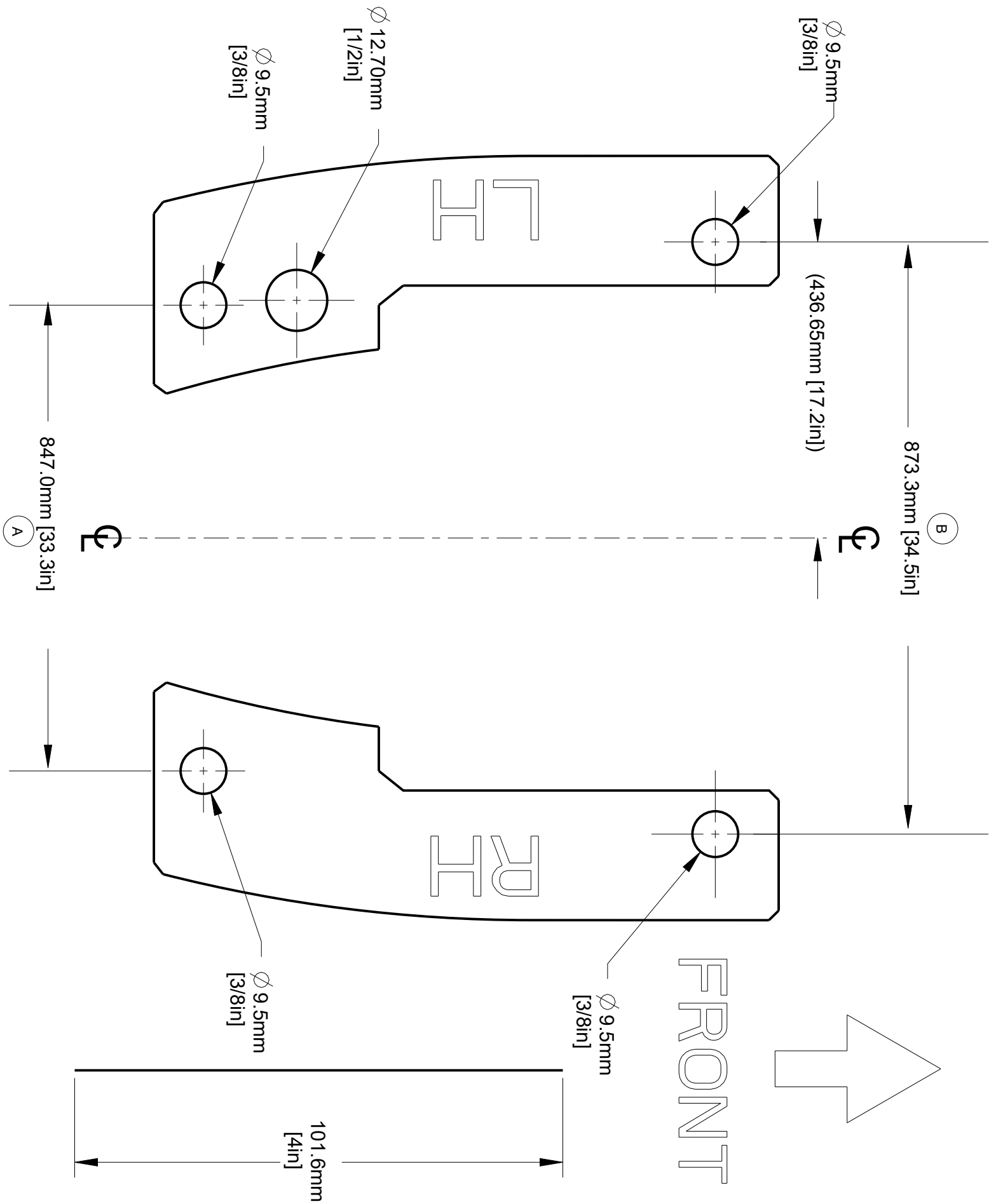
CENTER HOOD PANEL INSTALLATION

1. Slide panel forward until tabs slide into front hood panel and install with two hood fasteners (A).

TORQUE

Hood Fasteners (A):
89 in-lbs (10 N·m)





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