

WINDSHIELD WIPER KIT



P/N 2890381; 2890382

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.

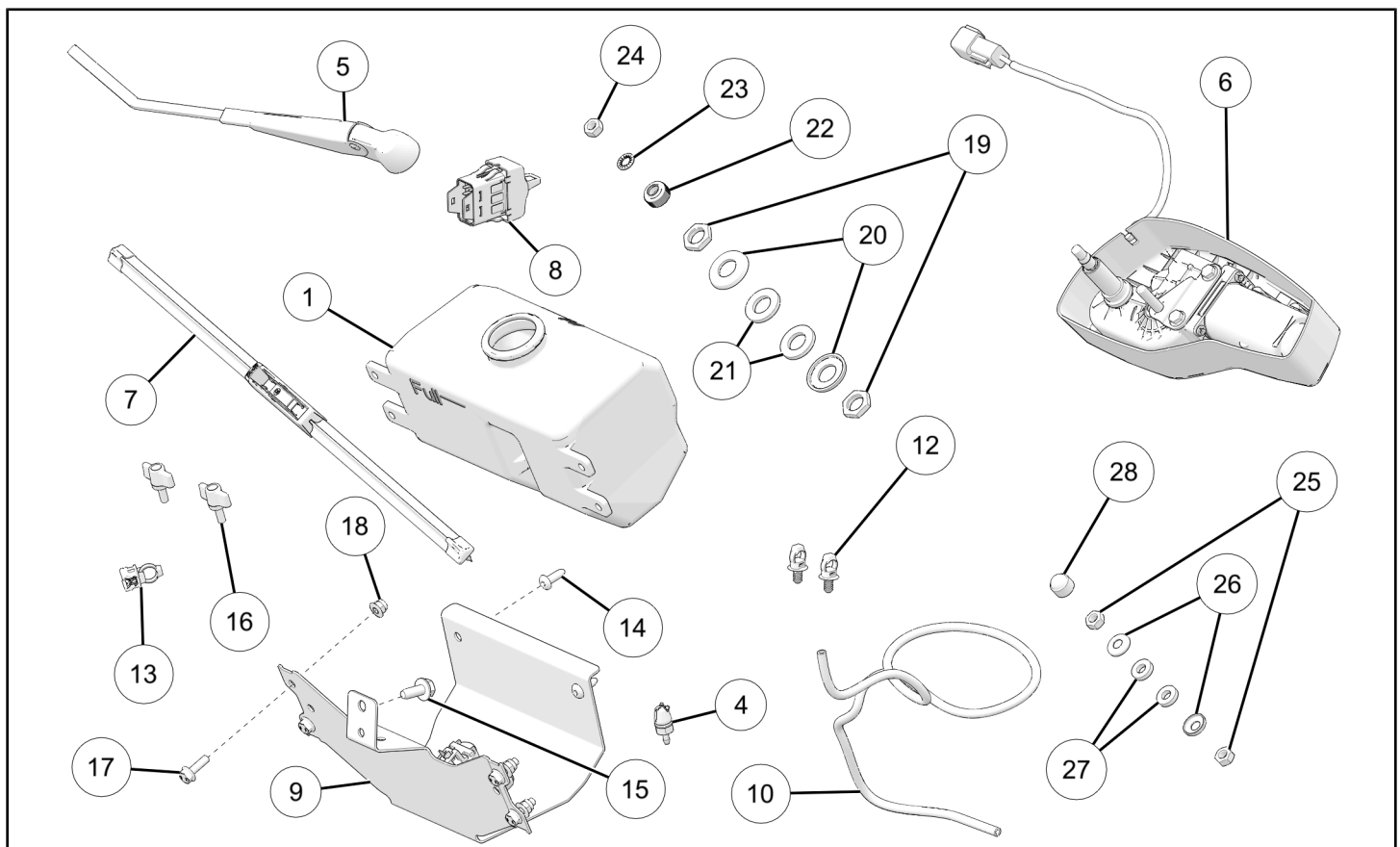
REQUIRED SOLD SEPARATELY

Only parts for installation of the Windshield Wiper Kit are included. For complete installation, the following additional kit is required (sold separately):

- Glass Windshield Kit, P/N 2890378, or Glass Windshield Kit, P/N 2890379, or Glass Windshield Kit, P/N 2890380

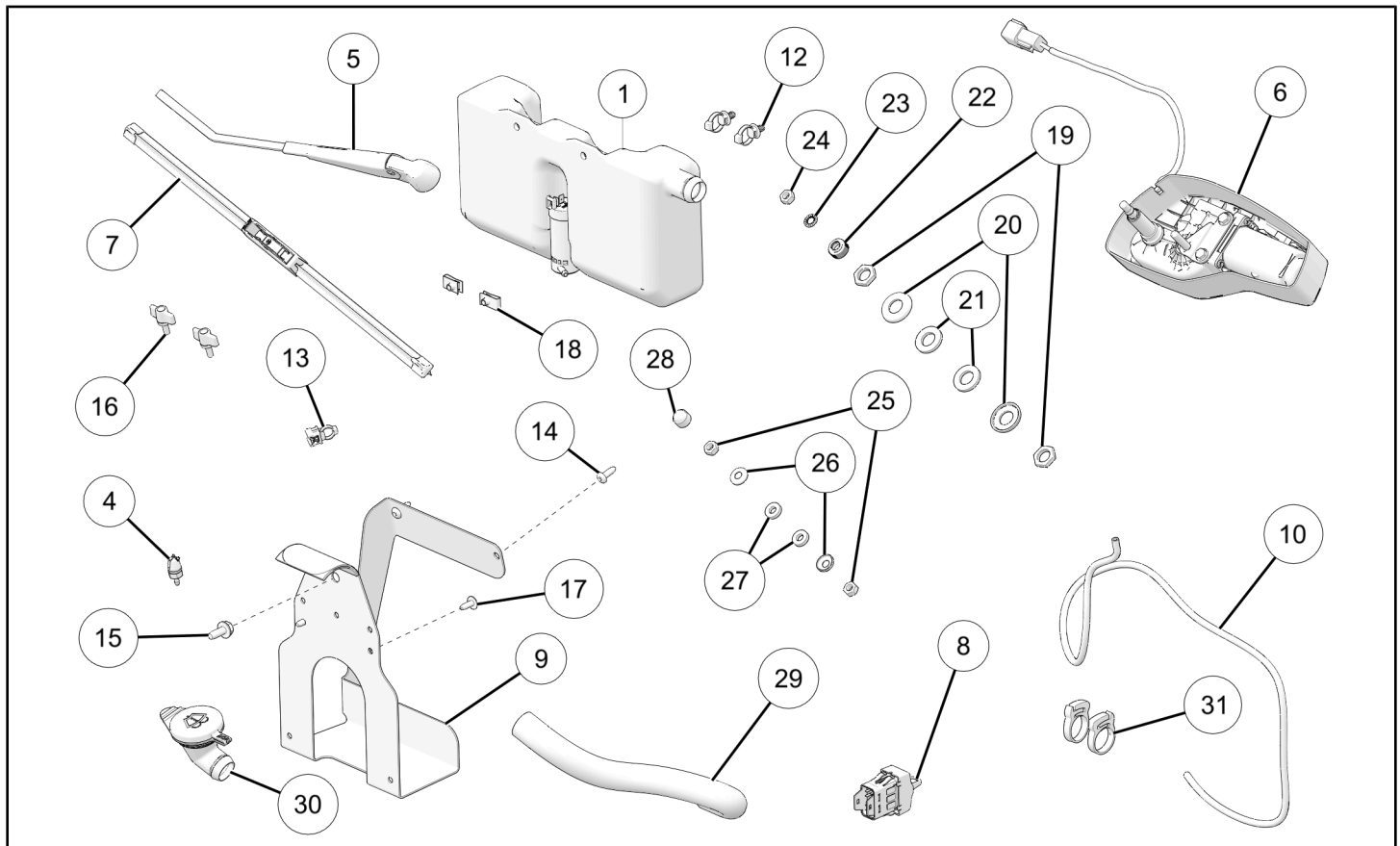
KIT CONTENTS

WINDSHIELD WIPER KIT P/N 2890381



REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY	AVAILABLE SERVICE KIT
1	1	Assembly, Reservoir, Wiper Fluid	2205139	n/a
2	1	Harness, Wiper, Main (not shown)	n/a	n/a
3	1	Harness, ROPS (not shown)	n/a	n/a
4	1	Nozzle, Wiper	2637660	n/a
5	1	Arm, Wiper	2637936	n/a
6	1	Motor, Wiper	n/a	n/a
7	1	Blade, Wiper	2639637	n/a
8	1	Switch, Wiper	4019182	n/a
9	1	Bracket, Wiper Fluid Reservoir Assembly	n/a	n/a
10	1	Hose, Wiper Fluid	n/a	n/a
11	3	Cable Tie, 25-76 mm (not shown)	7080492	n/a
12	2	Clip, Fir-Tree	7081496	n/a
13	1	Clip, Edge	7082073	n/a
14	2	Screw, Torx®, Truss Head, 14 x 3/4 mm	7519045	n/a
15	1	Screw, Hex Flange, M8 x 1.25 x 20 mm	7519780	n/a
16	2	Knob	7528326	n/a
17	4	Screw, Hex Flange, M6 x 1.0 x 20 mm	7521331-20	n/a
18	4	Nut, Hex Flange, M6 x 1.0 mm	7548027	n/a
19	2	Nut, Hex, M16 x 1 mm	n/a	2211998
20	2	Washer, Flat, 16.5 x 030 x 4	n/a	2211998
21	2	Washer, Flat, 16.2 x 030 x 3.5	n/a	2211998
22	1	Cap, M16 x 1 mm	n/a	2211998
23	1	Lock Washer, Toothed	n/a	2211998
24	1	Nut, Hex, M8 mm	n/a	2211998
25	2	Nut, Hex	n/a	2211999
26	2	Washer, Rounded	n/a	2211999
27	2	Washer, Flat	n/a	2211999
28	1	Cap	n/a	2211999

WINDSHIELD WIPER KIT P/N 2890382

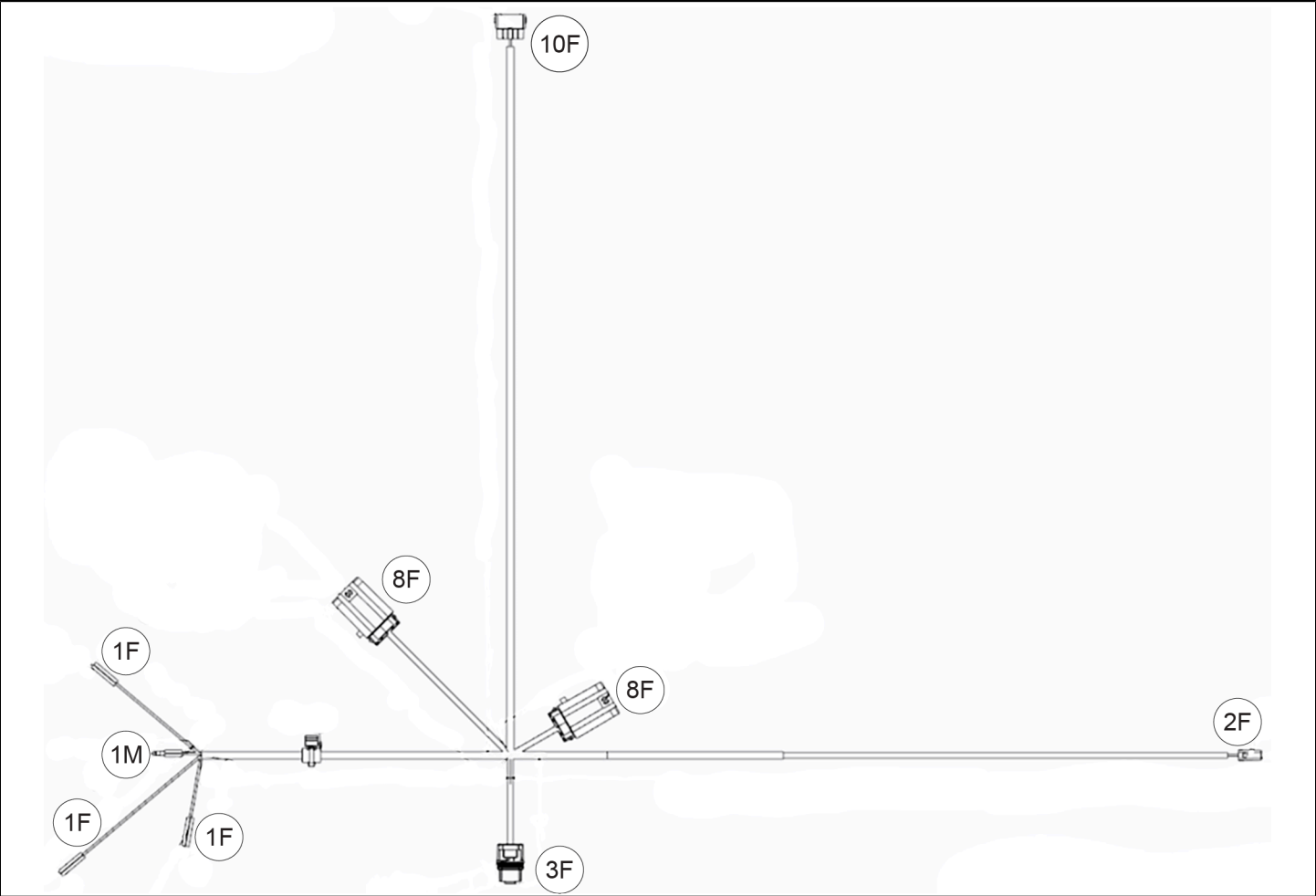


REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY	AVAILABLE SERVICE KIT
1	1	Assembly, Reservoir, Wiper Fluid	n/a	n/a
2	1	Harness, Wiper, Main (not shown)	n/a	n/a
3	1	Harness, ROPS (not shown)	n/a	n/a
4	1	Nozzle, Wiper	2637660	n/a
5	1	Arm, Wiper	2637936	n/a
6	1	Motor, Wiper	n/a	n/a
7	1	Blade, Wiper	n/a	n/a
8	1	Switch, Wiper	4019182	n/a
9	1	Bracket, Wiper Fluid Reservoir Assembly	n/a	n/a
10	1	Hose, Wiper Fluid	n/a	n/a
11	3	Cable Tie, 25-76 mm (not shown)	7080492	n/a
12	2	Clip, Fir-Tree	7081496	n/a
13	1	Clip, Edge	7082073	n/a
14	2	Screw, Torx®, Truss Head, (14 x 3/4)	7519045	n/a
15	1	Screw, Hex Flange, M8 x 1.25 x 20 mm	7519780	n/a
16	2	Knob	7528326	n/a

REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY	AVAILABLE SERVICE KIT
17	4	Screw, Torx® Truss Head, M6 x 1.0 x 20 mm	7521047	n/a
18	4	U-clip	7081305	n/a
19	2	Nut, Hex, M16 x 1 mm	n/a	2211998
20	2	Washer, Flat, 16.5 x 030 x 4 mm	n/a	2211998
21	2	Washer, Flat, 16.2 x 030 x 3.5 mm	n/a	2211998
22	1	Cap, M16 x 1 mm	n/a	2211998
23	1	Lock Washer, Toothed	n/a	2211998
24	1	Nut, Hex, M8 mm	n/a	2211998
25	2	Nut, Hex	n/a	2211999
26	2	Washer, Rounded	n/a	2211999
27	2	Washer, Flat	n/a	2211999
28	1	Cap	n/a	2211999
29	1	Hose, Fill Neck	5418820	n/a
30	1	Fill Neck	5465400	n/a
31	1	Clamp, Hose	7083081	n/a

HARNESS DETAIL

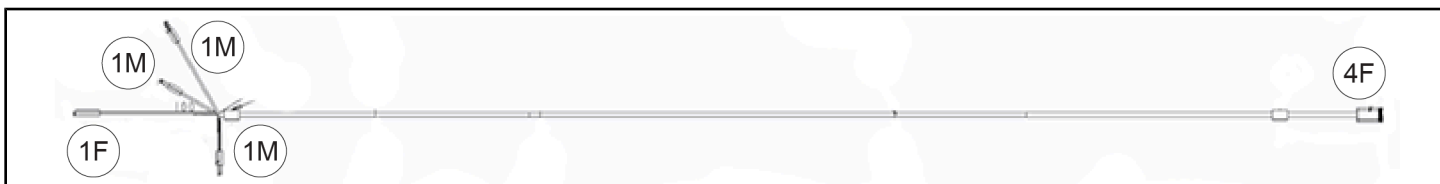
MAIN VEHICLE HARNESS ②



REF	PART DESCRIPTION	CONNECTS TO
1F	Connector	1M (ROPS Harness)
1F	Connector	1M (ROPS Harness)
1M	Connector	1F (ROPS Harness)
1F	Connector	1M (ROPS Harness)
8F	Fuse Block	Accessory Mounting Panel
10F	Connector, Sealed	Wiper Switch ⑧
8F	Fuse Block	Accessory Mounting Panel
2F	Connector	Washer Fluid Reservoir ①
3F	Connector	Polaris Pulse® Bar

Example: 16F = 16 pin, Female / 16M = 16 pin, Male (Male terminal fits inside female terminal)

ROPS HARNESS ③



REF	PART DESCRIPTION	CONNECTS TO
1F	Connector	1M (Main Vehicle Harness)
1M	Connector	1F (Main Vehicle Harness)
1M	Connector	1F (Main Vehicle Harness)
4F	Connector	Wiper Motor Harness
1M	Connector	1F (Main Vehicle Harness)

Example: 16F = 16 pin, Female / 16M = 16 pin, Male (Male terminal fits inside female terminal)

TOOLS REQUIRED

- Safety Glasses
- Drill
- Drill Bit:
 - 5/16 in (8 mm)
- Hole Saw:
 - 1-3/4 in (44 mm)
- Pliers, Push Pin Rivet
- Screwdriver Set, Torx®
- Socket Set, Metric
- Socket Set, Torx® Bit
- Torque Wrench
- Wrench Set, Metric
- Utility Knife/Cutting Tool

CONSUMABLES REQUIRED

- Windshield Washer Fluid

IMPORTANT

Your Windshield Wiper 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

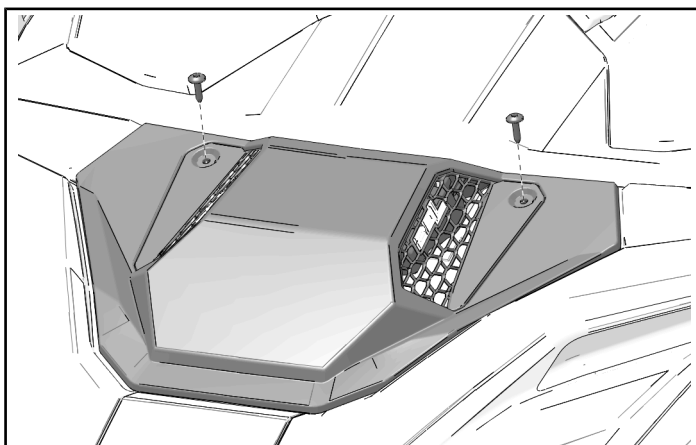
1. Park vehicle on a flat surface.
2. Shift vehicle into PARK.
3. Turn key to OFF position and remove key.

ACCESSORY WINDSHIELD REMOVAL

1. Remove and keep accessory windshield from vehicle.

CENTER HOOD REMOVAL

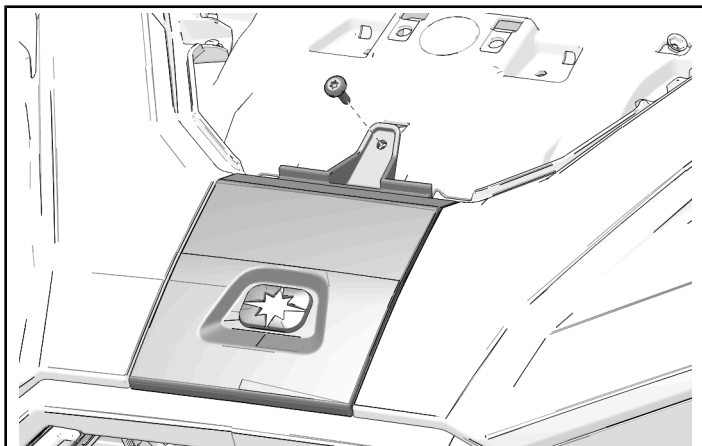
1. Remove two screws from center hood panel.



2. Remove center hood.

CENTER EMBLEM REMOVAL

1. Remove screw from center emblem panel.



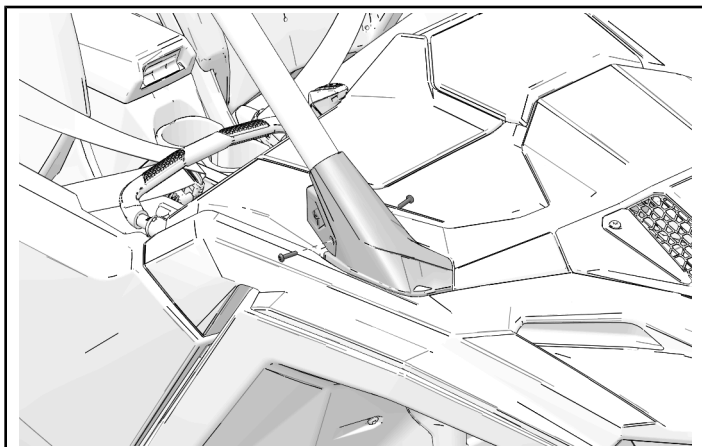
2. Remove center emblem.

TWEETER REMOVAL (IF EQUIPPED)

NOTICE

Right side shown; left side similar.

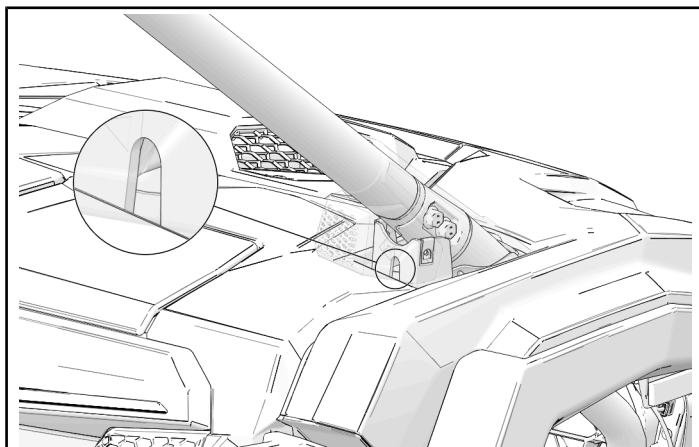
1. Remove two screws from A-pillar cover.



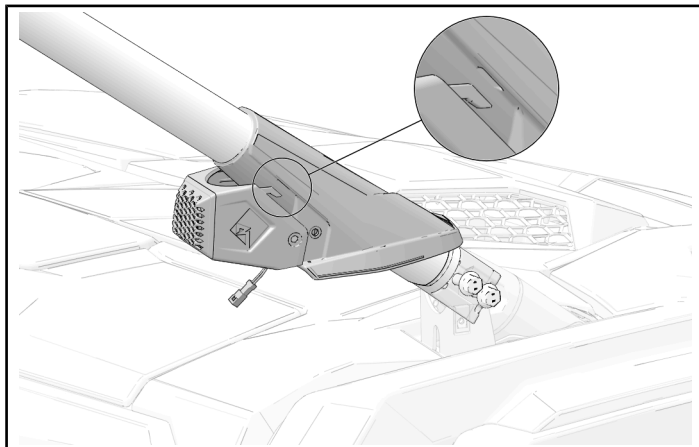
2. Move A-pillar cover up to disconnect tweeter from vehicle.

NOTICE

Tweeter and shroud hidden for clarity.

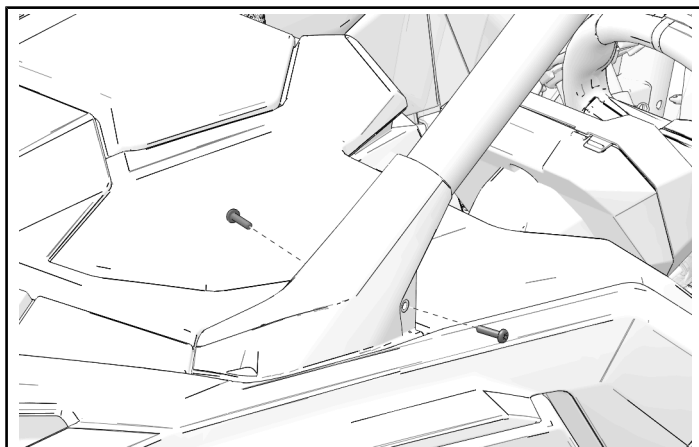


3. Remove tweeter hooks from A-pillar cover. Set aside tweeter.

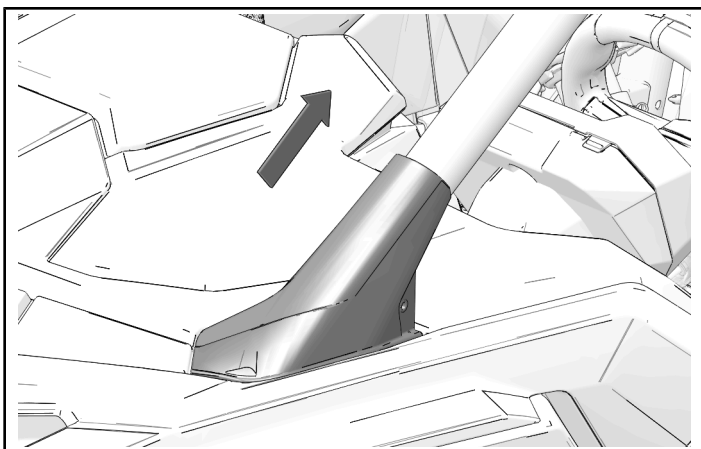


A-PILLAR SHROUD REMOVAL

1. Remove two screws from A-pillar shroud.

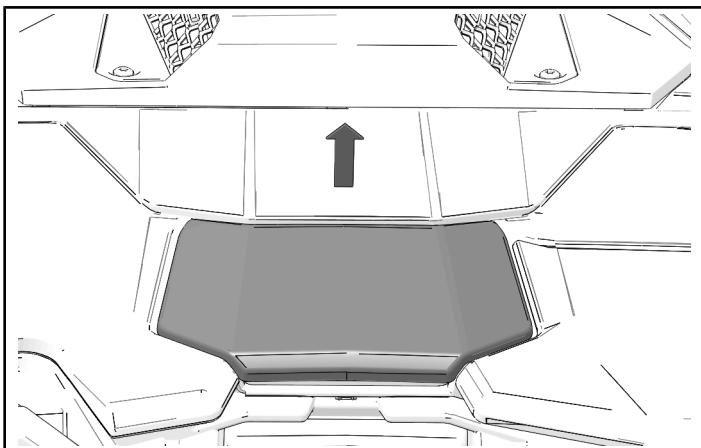


2. Move A-pillar shroud up the ROPS tube.

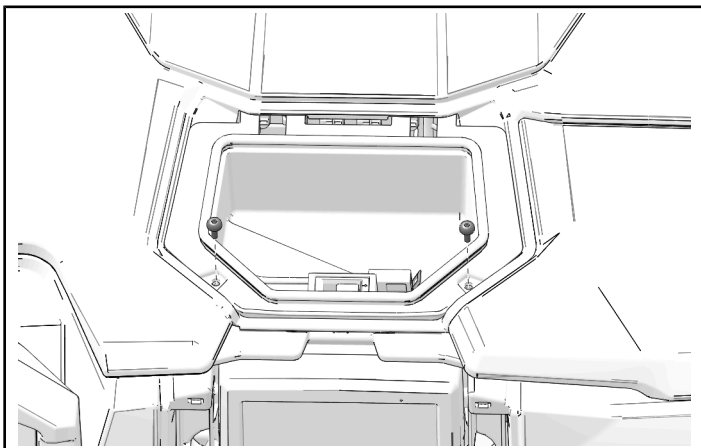


DASH COMPARTMENT REMOVAL

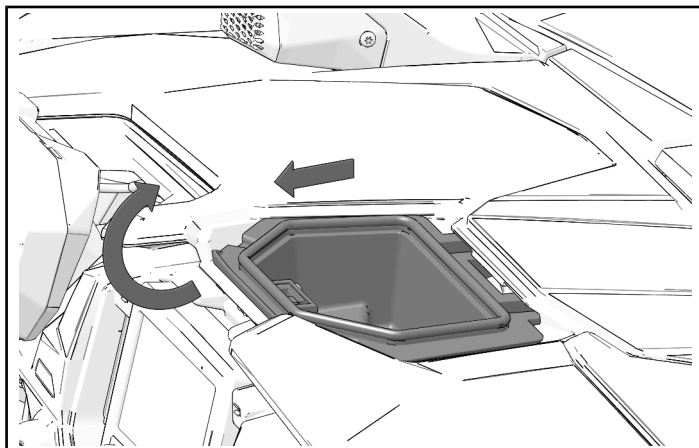
1. Open lid of dash compartment by lifting upward.



2. Remove two screws from dash compartment.

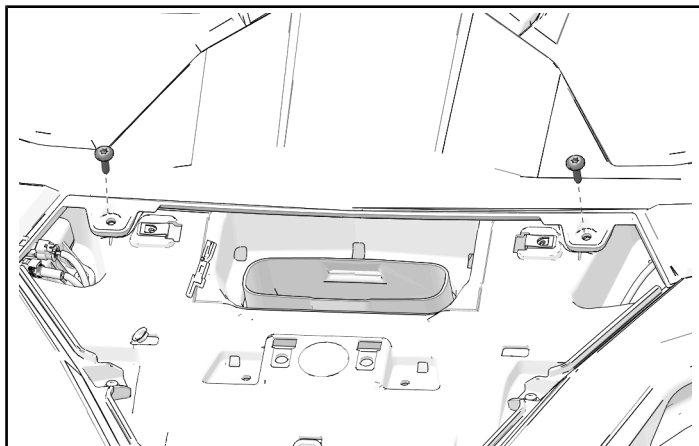


3. Remove dash compartment by pulling up and outward. Disconnect USB cord (if equipped) and pull through grommet.



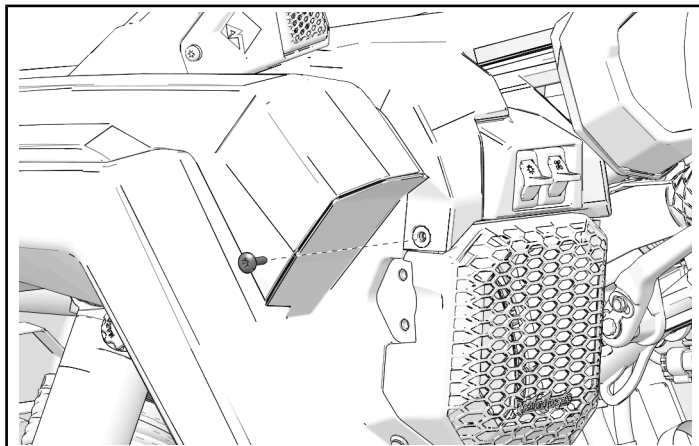
DASH REMOVAL

1. Remove two screws from dash panel.

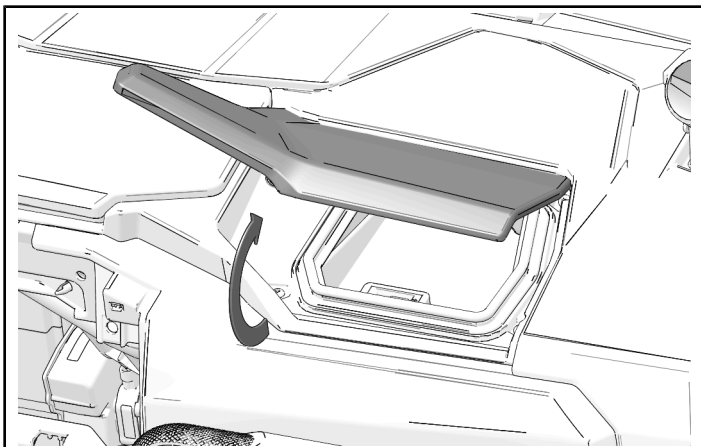


2. Remove screw from inner dash panel.

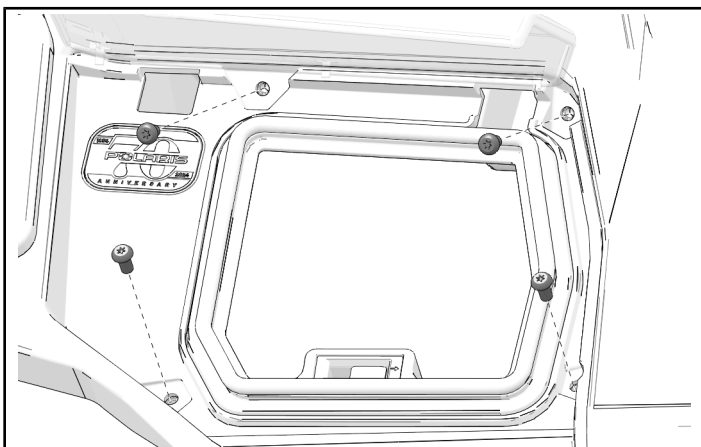
NOTICE
Left side shown; right side similar.



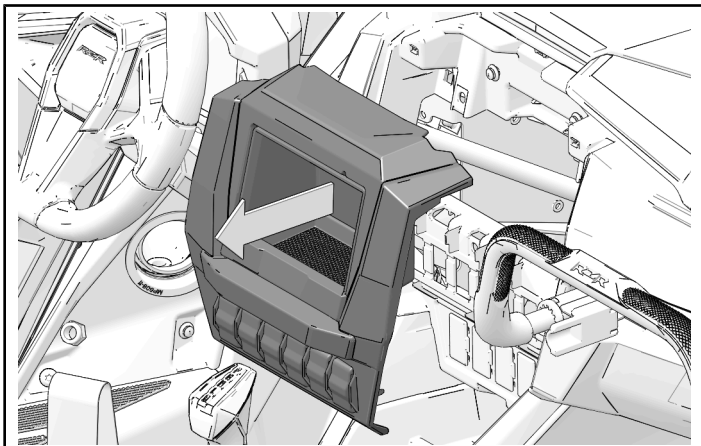
3. Open glove compartment by lifting upward.



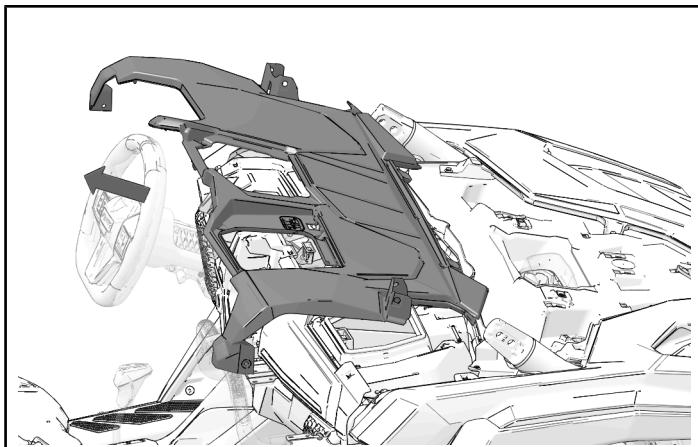
4. Remove four screws from interior of glove compartment.



5. Remove center control panel. Pull on top and bottom edges of panel to disengage four mounting tabs.



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



FRONT FENDER REMOVAL

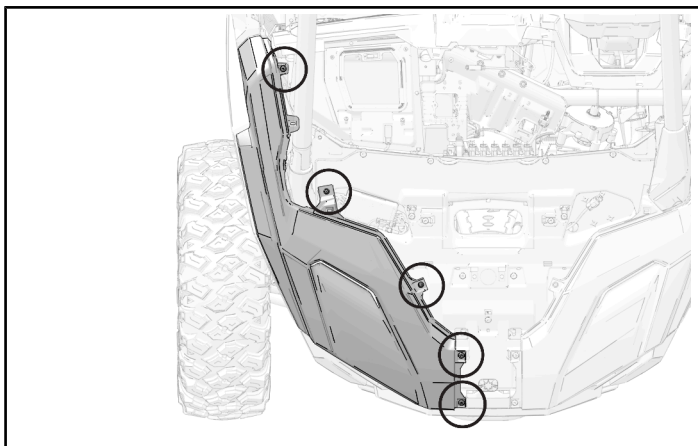
NOTICE

Right side shown; left side similar.

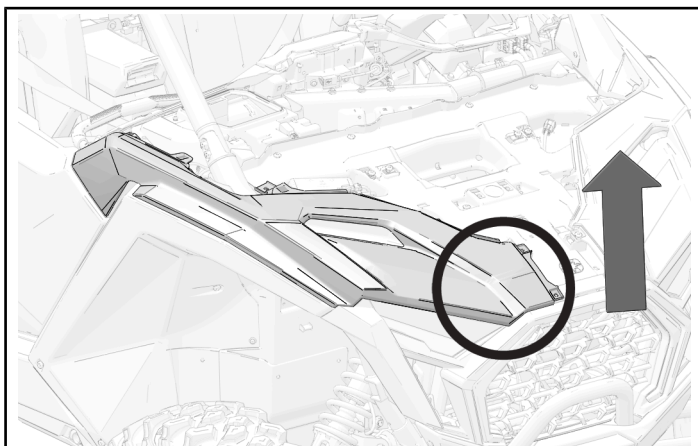
NOTICE

Parts of vehicle have been hidden for clarity.

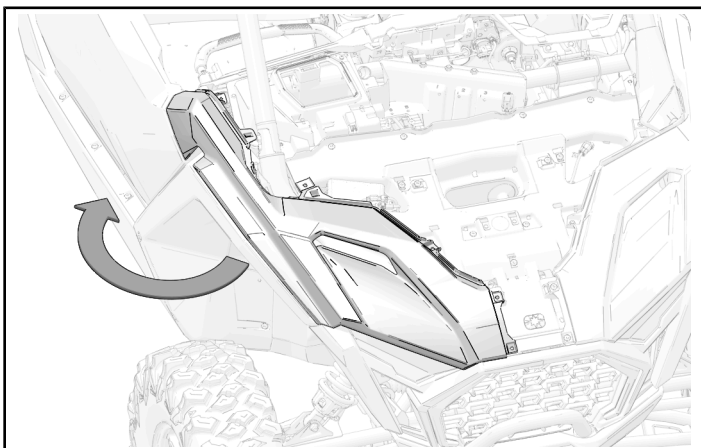
1. Remove five fasteners from front right fender.



2. Pull up front of right fender to release front hook.



3. Move front right fender outward to release remaining hooks.



FRONT FENDER FLARE REMOVAL

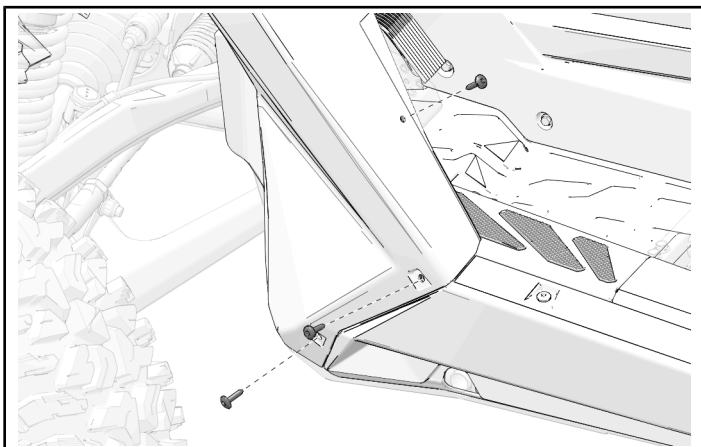
NOTICE

Left side shown; right side similar.

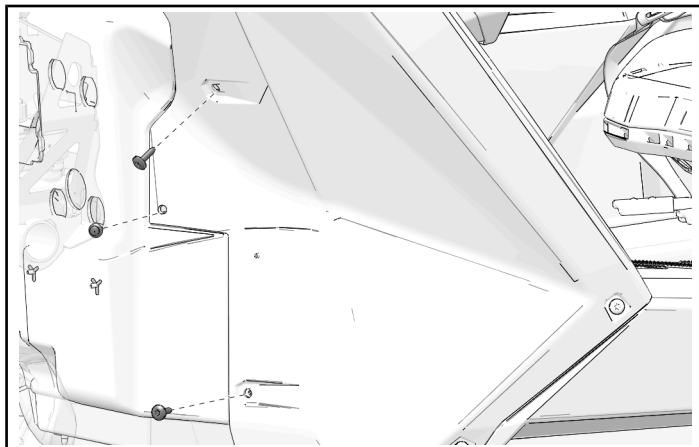
NOTICE

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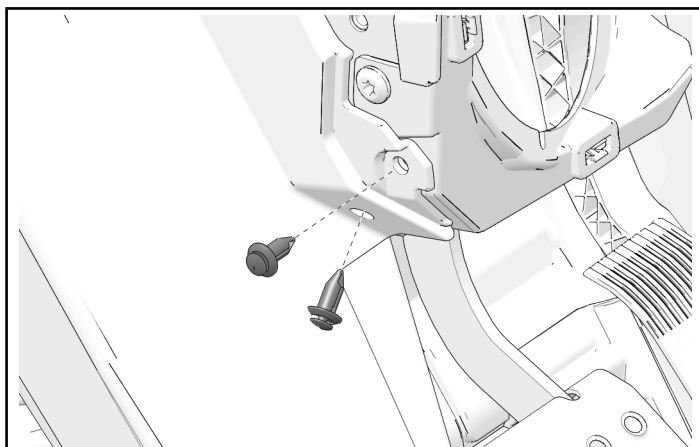
1. Remove three screws from lower area of fender flare.



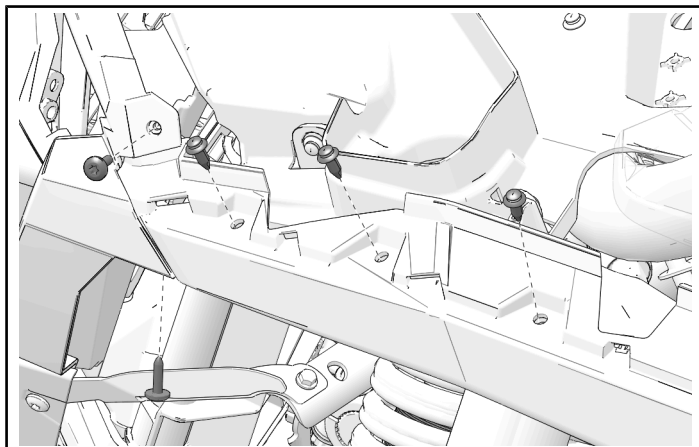
2. Remove two screws and one push-pin rivet from outside of fender flare.



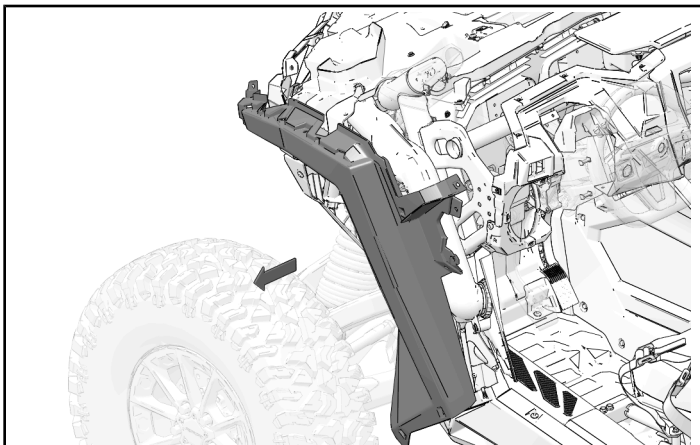
3. Remove two push-pin rivets from speaker area.



4. Remove two screws and three push-pin rivets from fender flare.



5. Pull fender flare out to disengage tabs and remove from vehicle.



HOOD LINER REMOVAL

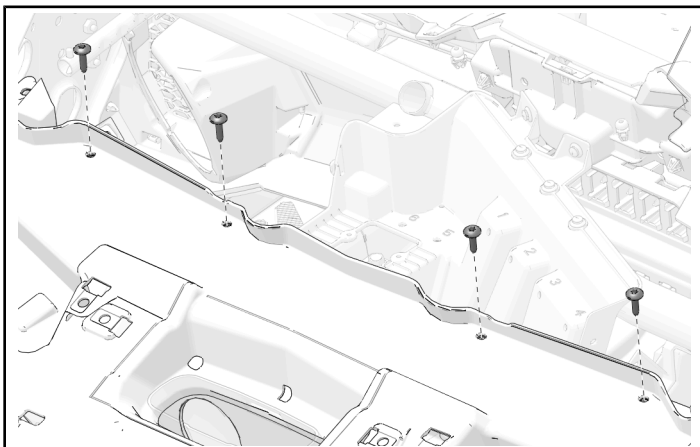
1. Remove four screws from hood liner.

NOTICE

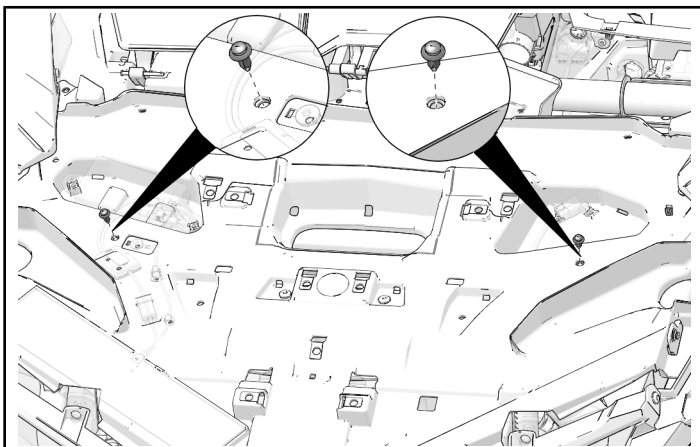
Left side shown; right side similar.

NOTICE

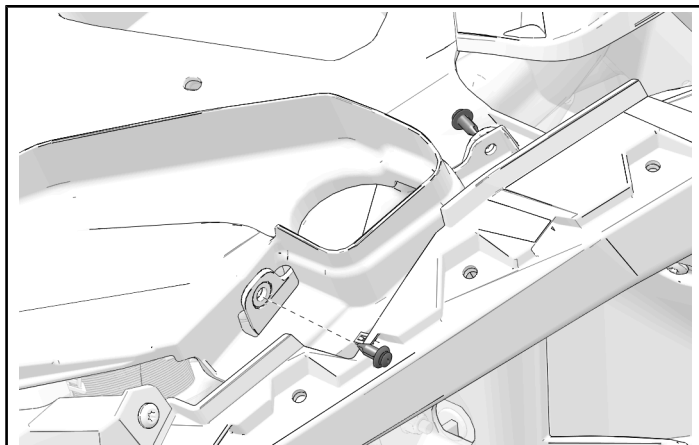
Parts of vehicle have been hidden for clarity.



2. Remove two push-pin rivets from hood liner.

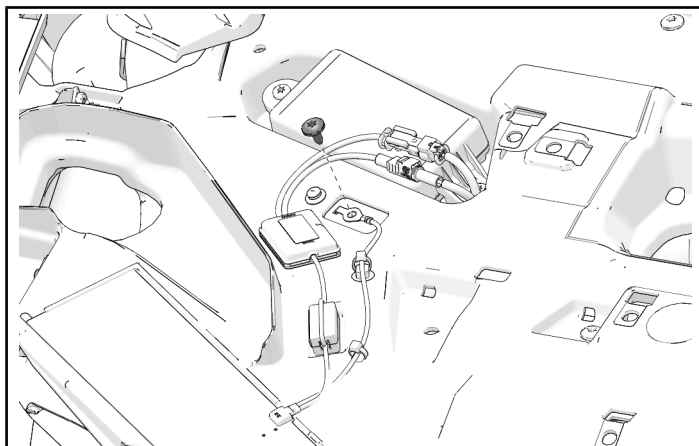


3. Remove two push pin darts from hood liner.

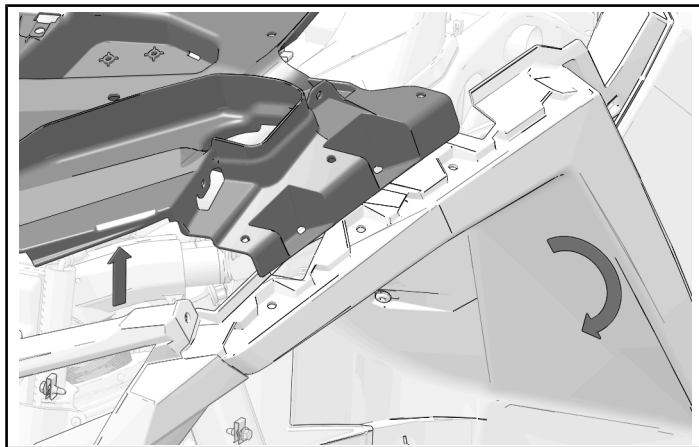


4. If Ride Command Plus®, V2V, or GPS antenna are installed they will need to be unplugged.

5. If AM/FM is installed, unplug and remove eyelet screw on passenger side of hood liner.



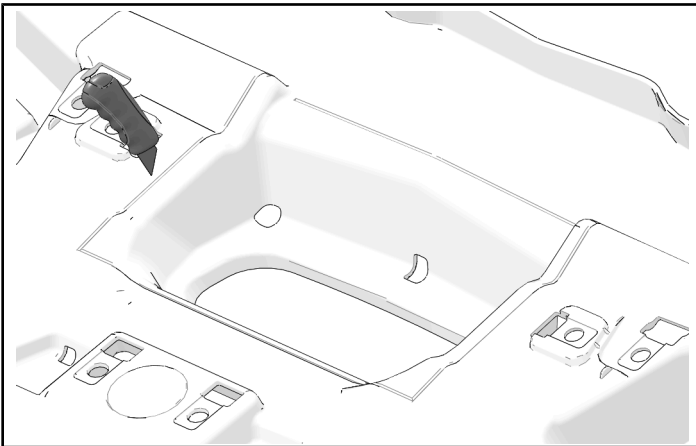
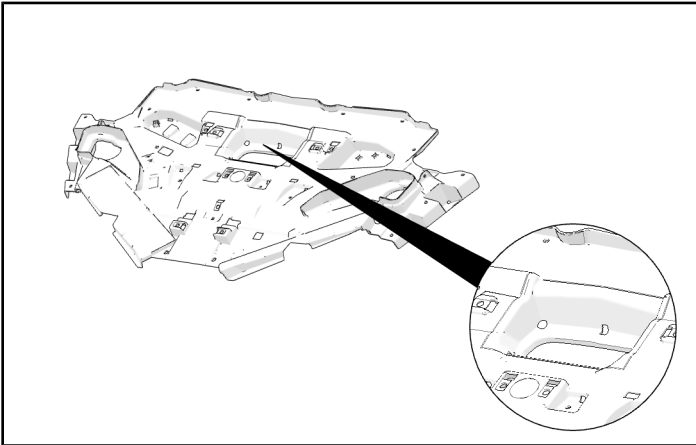
6. Flex fender outward and remove hood liner from vehicle.



ACCESSORY INSTALLATION

WIPER FLUID RESERVOIR INSTALLATION FOR PRO XP MODELS (P/N 2890381)

1. Cut out square area in hood liner following the scored lines in plastic.



2. Install bracket ⑨ to vehicle frame using screws ⑭ and ⑮. Torque screws to specification.

NOTICE

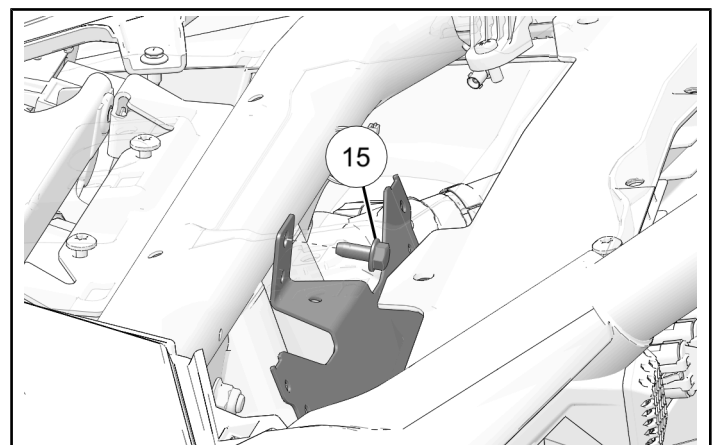
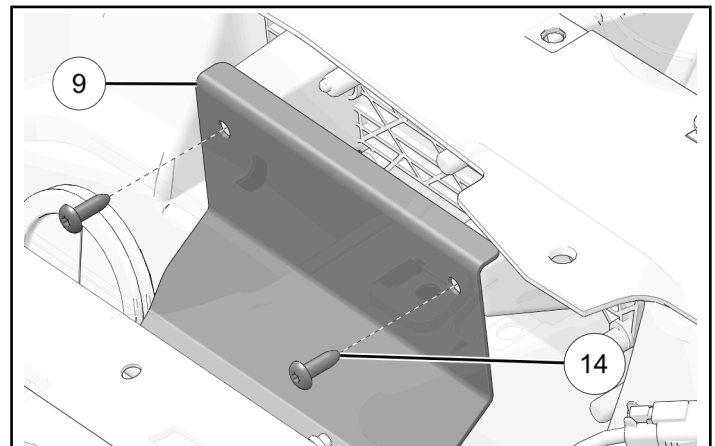
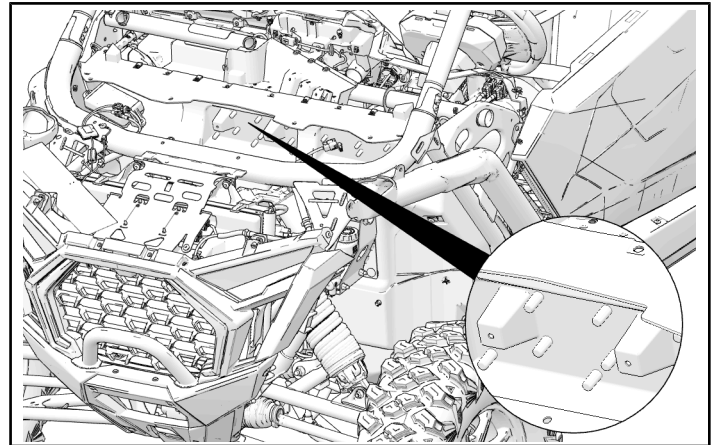
Parts of the vehicle have been hidden for clarity.

TORQUE

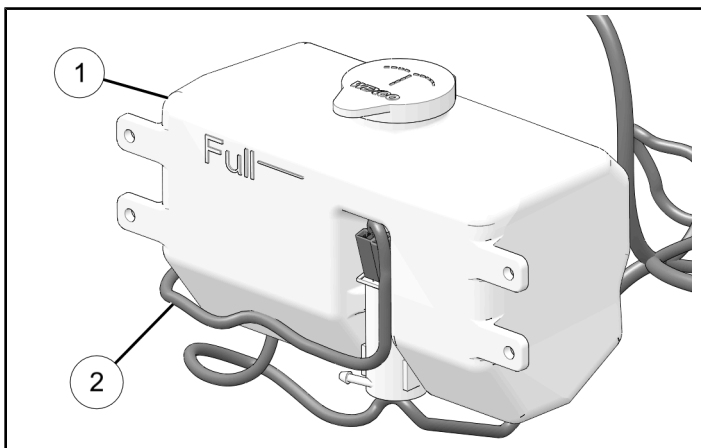
Screws ⑭:
31 in-lbs (3.5 N·m)

TORQUE

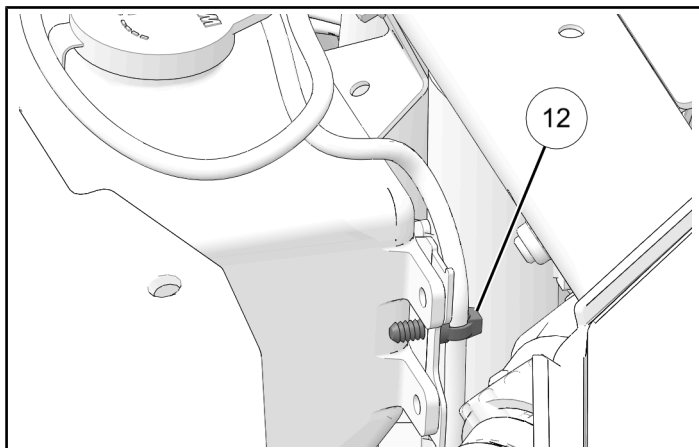
Screw ⑮:
106 in-lbs (12 N·m)



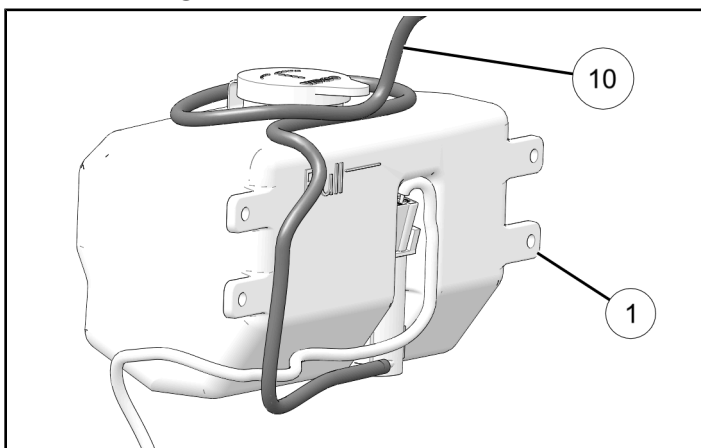
3. Attach vehicle harness ② to washer fluid reservoir ①.



6. Attach washer fluid hose to bracket using fir tree clip ⑫.



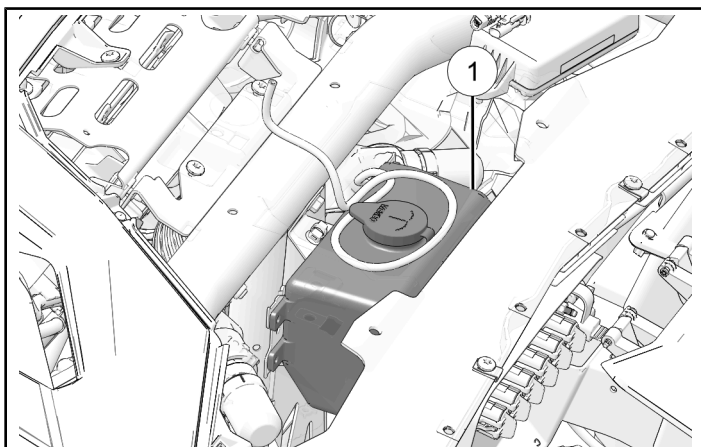
4. Attach washer fluid hose ⑩ to washer fluid reservoir ①.



5. Put washer fluid reservoir ① in place on bracket. Make sure screw holes are aligned.

NOTICE

Parts of the vehicle have been hidden for clarity.



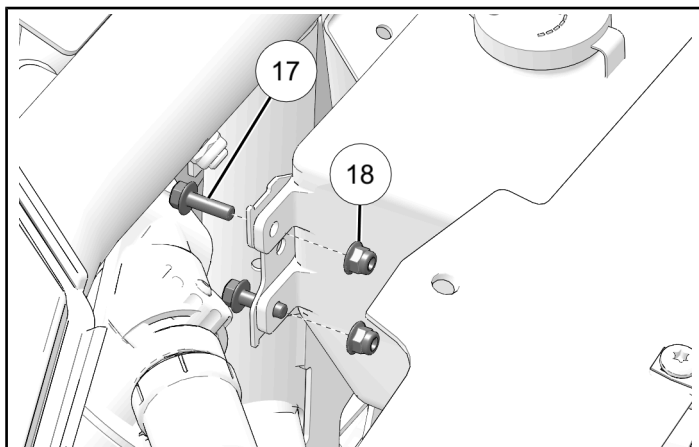
7. Install washer fluid reservoir to bracket using screws ⑰ and nuts ⑱. Torque nuts to specification.

NOTICE

Left side shown; right side similar.

TORQUE

Nuts ⑱:
71 in-lbs (8 N·m)

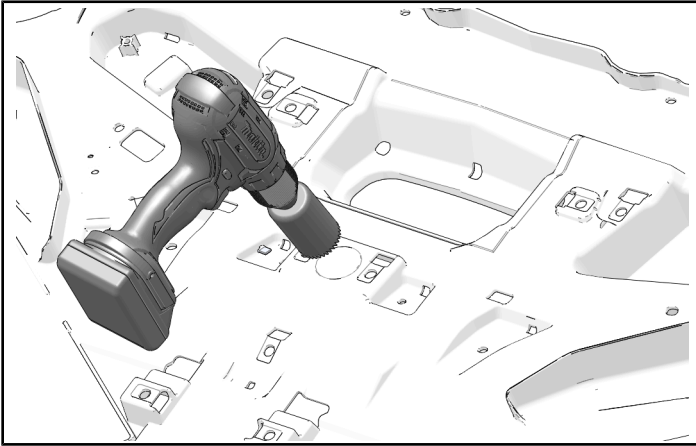


WIPER RESERVOIR INSTALLATION FOR PRO R MODELS (P/N 2890382)

1. Use hole saw to cut out circular section of hood liner following scored lines in plastic.

MEASUREMENT

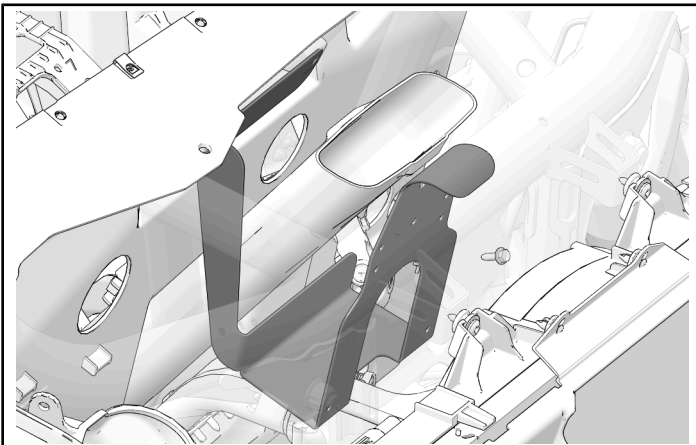
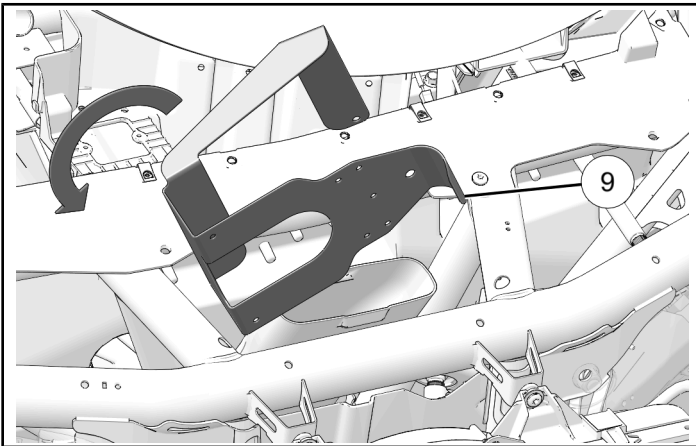
Hole Saw Size: 1-3/4 in (44 mm)



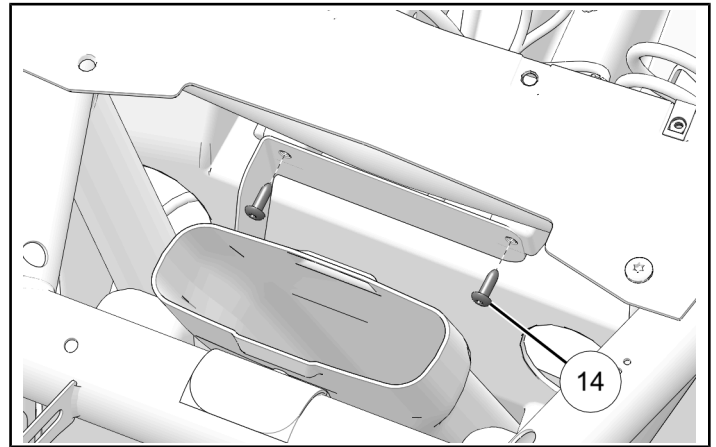
2. Put reservoir bracket ⑨ into place around clutch intake as shown.

TIP

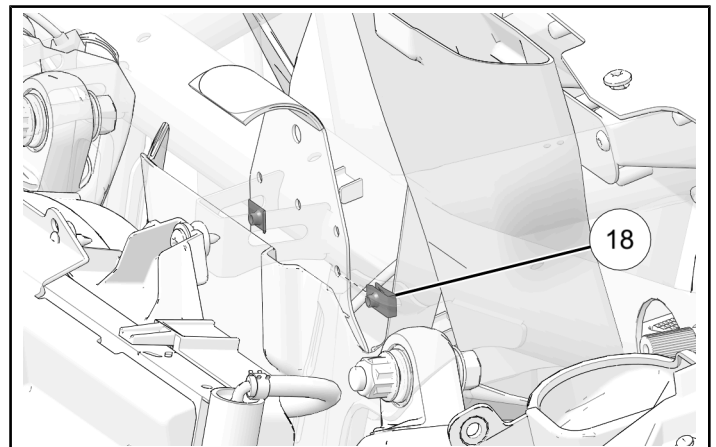
Push intake duct towards rear of the vehicle to make room for bracket installation.



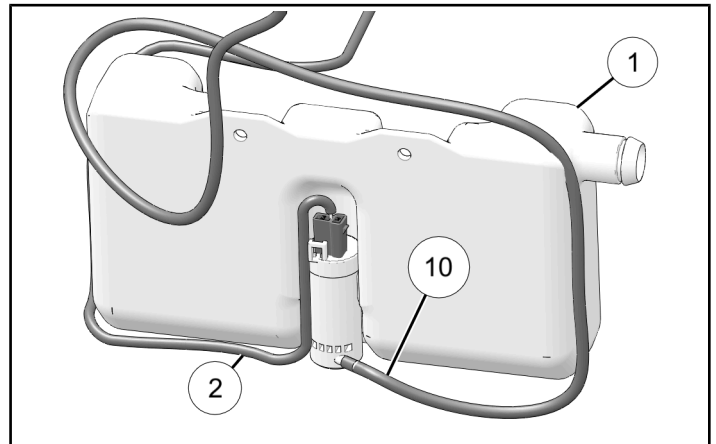
3. Loosely install bracket to vehicle frame using two screws ⑭.



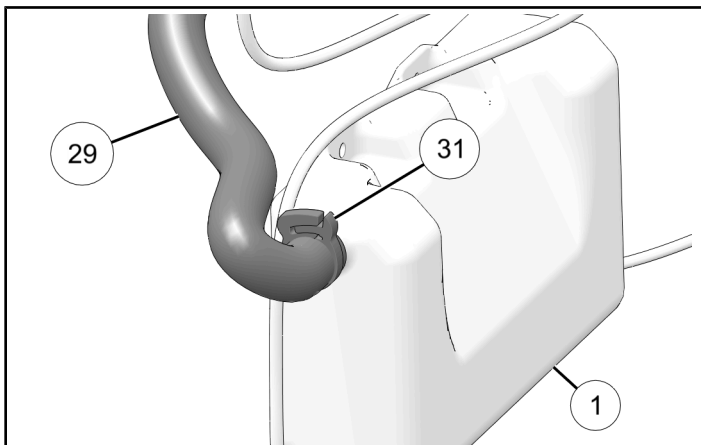
4. Install U-clips ⑱ to reservoir bracket.



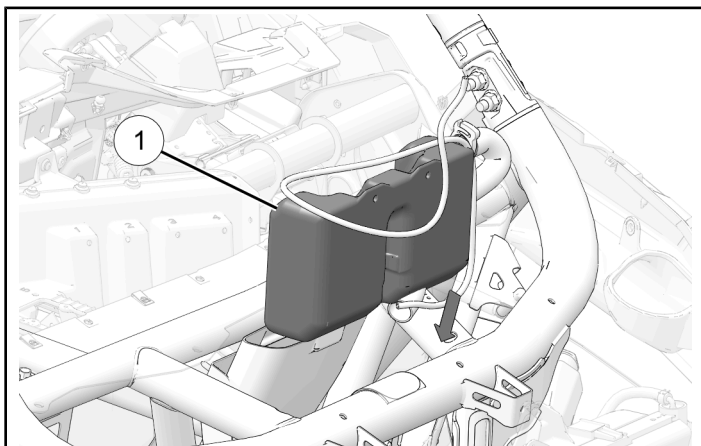
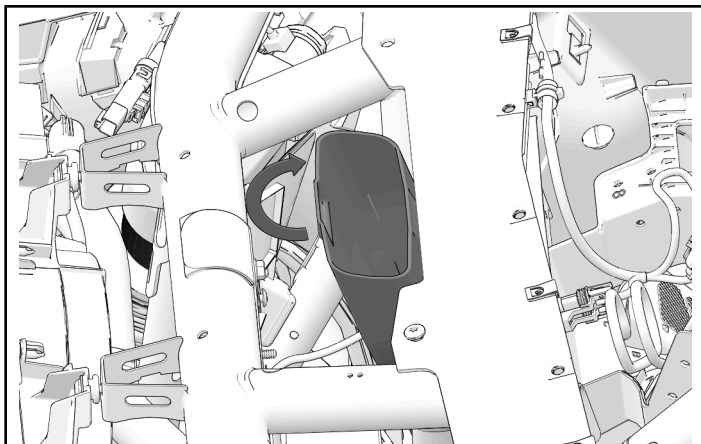
5. Install main vehicle harness ② and wiper hose ⑩ to wiper fluid reservoir ①.



6. Attach hose ②⑨ to wiper fluid reservoir ① using clamp ③①.



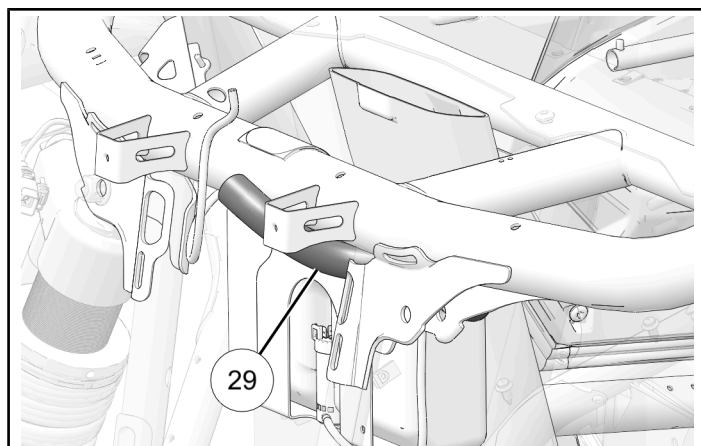
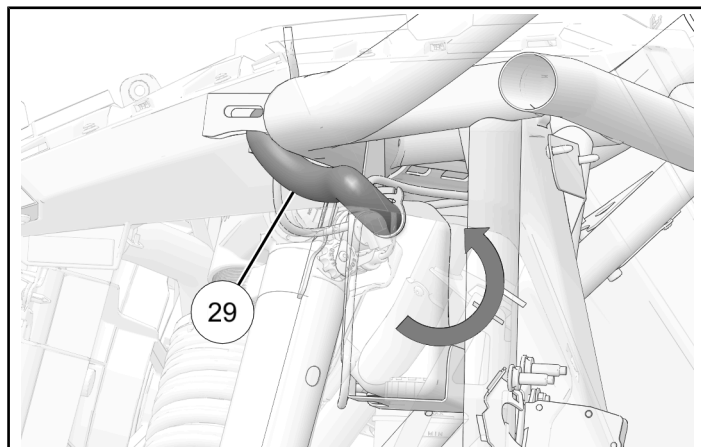
7. Hold clutch intake up and rearward to allow room to put wiper reservoir ① in place on reservoir bracket. Turn hose to face downward while putting reservoir in place.



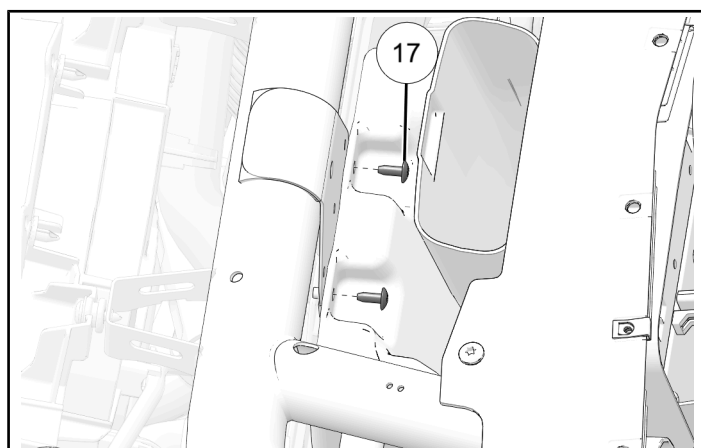
8. Turn hose ②⑨ counter clockwise to route under top chassis tube.

NOTICE

Parts of vehicle have been hidden for clarity.



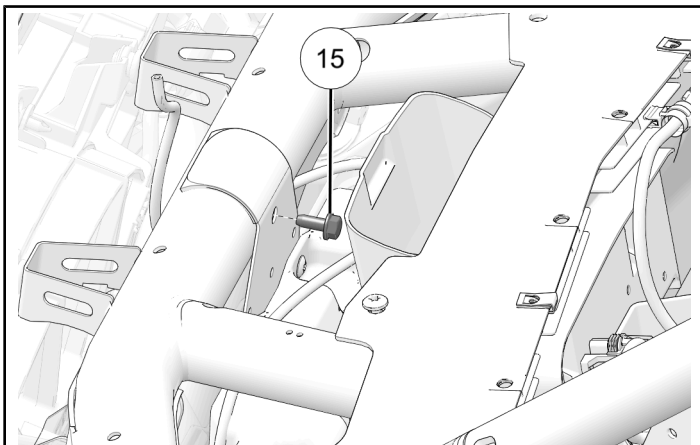
9. Loosely install wiper fluid reservoir to reservoir bracket using two screws ①⑦.



10. Install screw ⑮ to reservoir bracket and torque to specification.

TORQUE

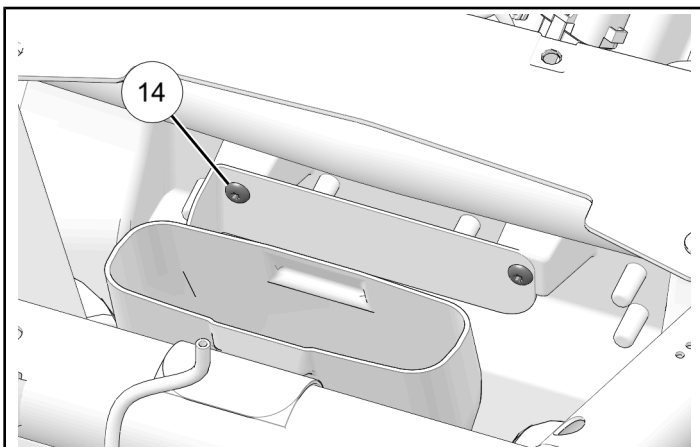
Screw ⑮:
106 in-lbs (12 N·m)



11. Torque screws ⑭ to specification.

TORQUE

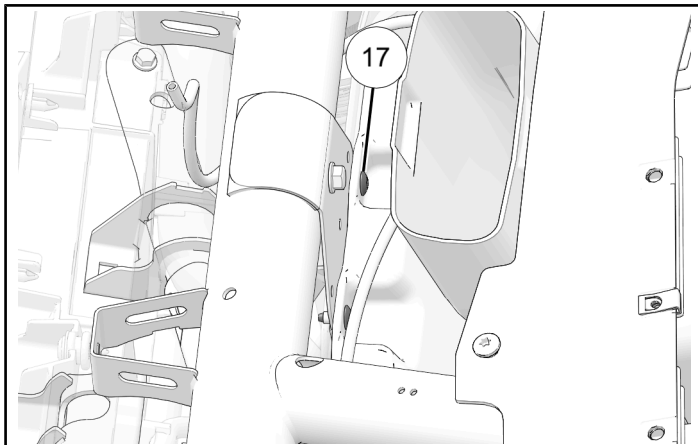
Screws ⑭:
31 in-lbs (3.5 N·m)



12. Torque screws ⑰ to specification.

TORQUE

Screws ⑰:
70 in-lbs (8 N·m)

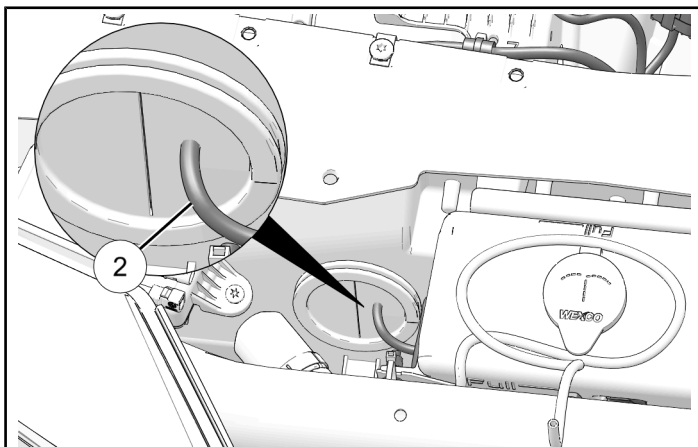


HARNESS ROUTING

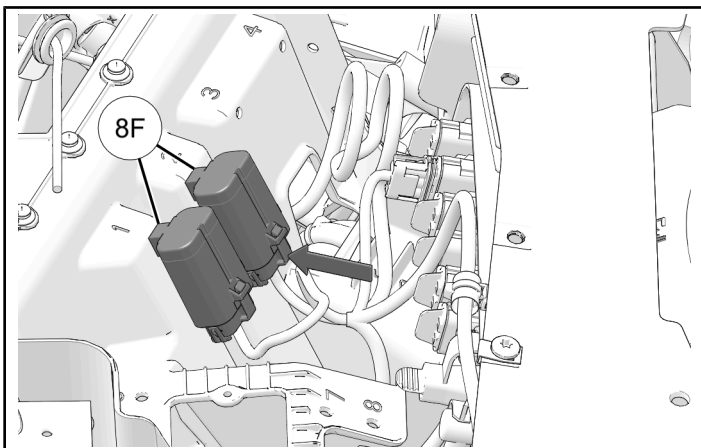
NOTICE

Pro XP installation shown; Pro R installation similar.

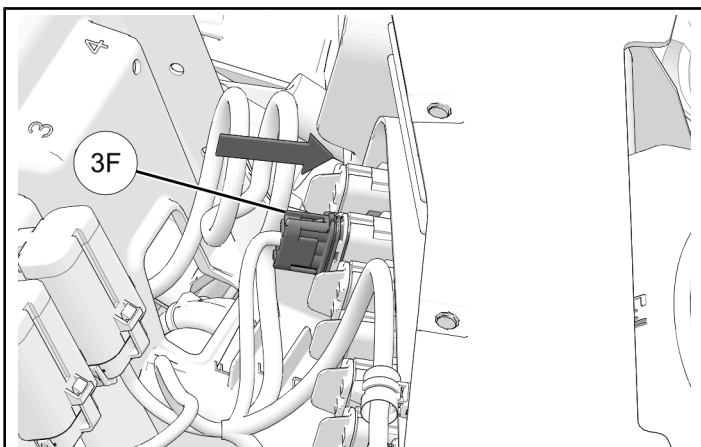
1. Route vehicle harness ② through grommet into area near pulse bar.



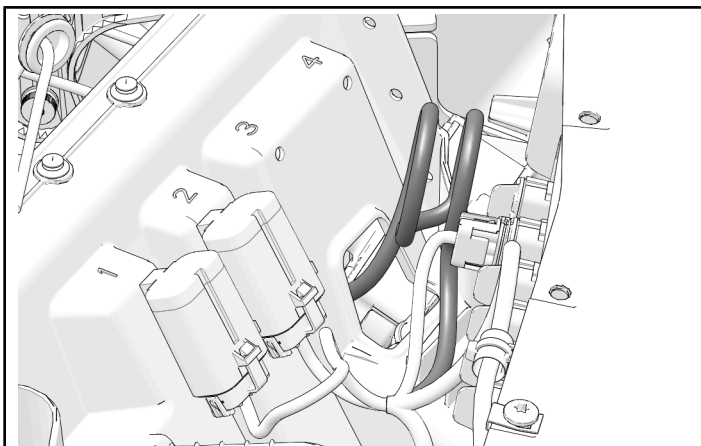
2. Install both **8F** fuse blocks to accessory mounting panel.



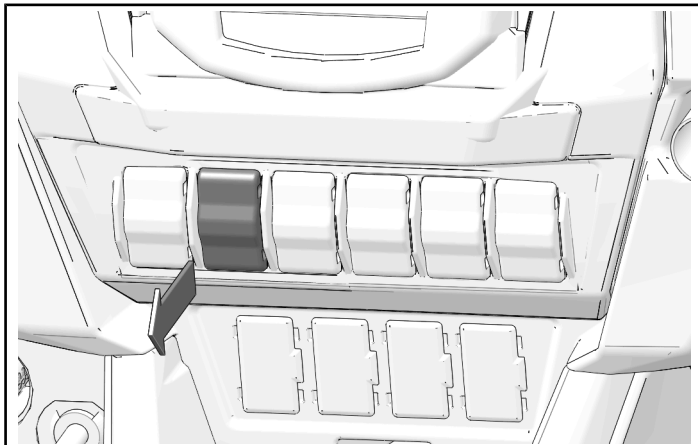
3. Install **3F** connector to Polaris Pulse® bar.



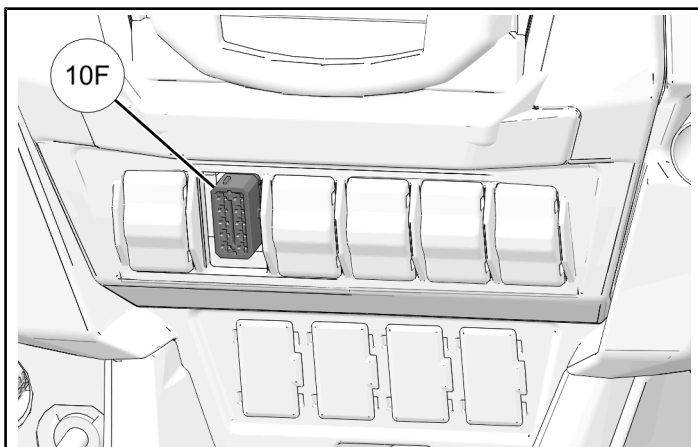
4. Continue routing vehicle harness through opening leading to dash area as shown.



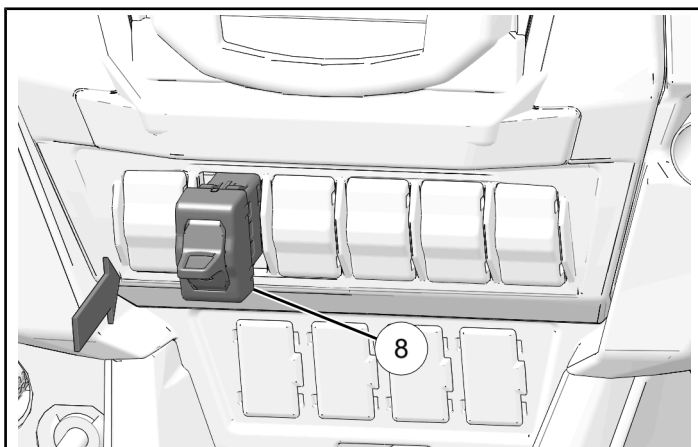
5. Remove blank from desired location in dashboard.



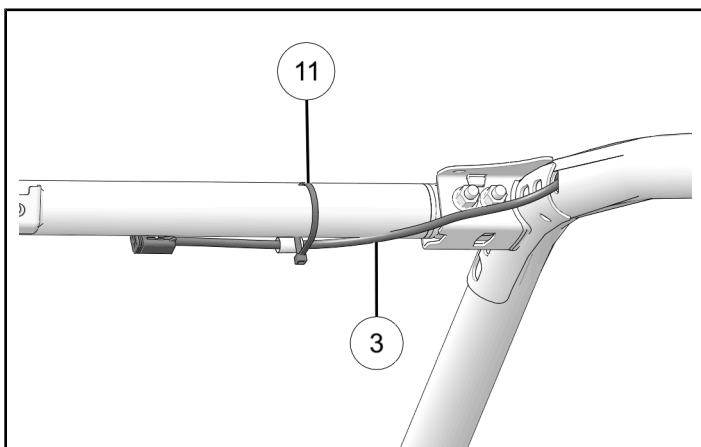
6. Pull **10F** connector through opening in dashboard.



7. Connect switch **8** to vehicle harness and push into dashboard until click is heard.



8. Attach ROPS harness ③ to upper ROPS tubes using cable tie ⑪.



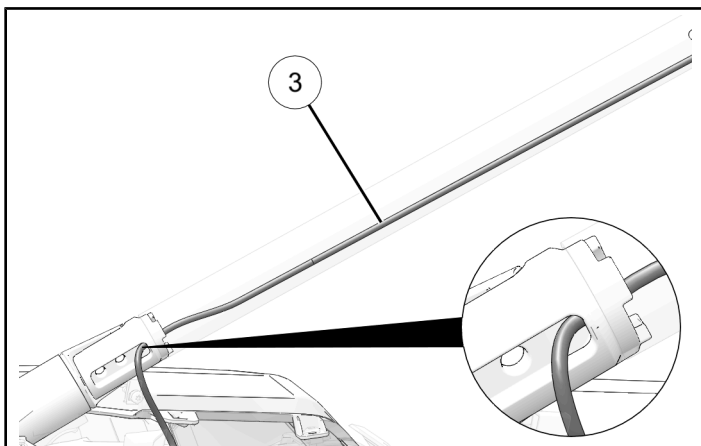
9. Route ROPS harness ③ downward through ROPS tube.

TIP

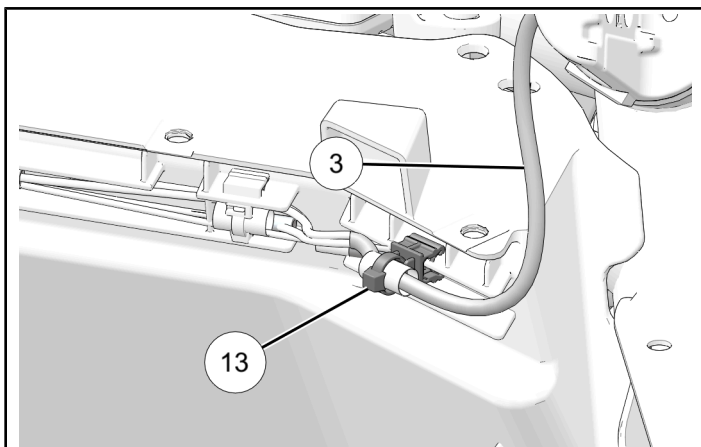
Polaris recommends use of fishtape for this step.

NOTICE

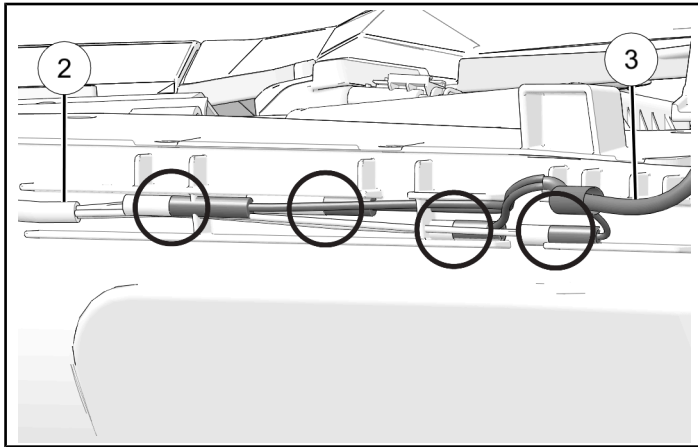
Parts of the vehicle have been hidden for clarity.



10. Attach ROPS harness ③ to vehicle frame using edge clip ⑬ as shown.

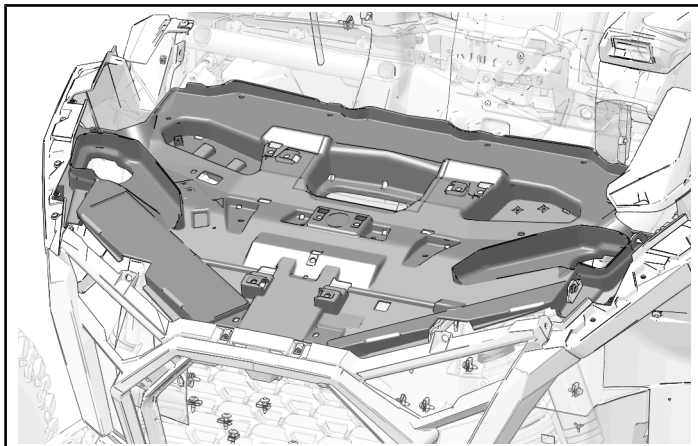


11. Connect vehicle harness ② to ROPS harness ③ as shown. Connections are color coded.



HOOD LINER INSTALLATION

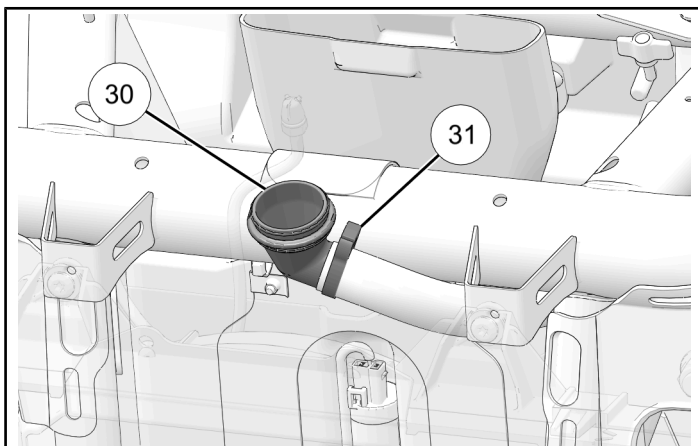
1. Put hood liner in place.



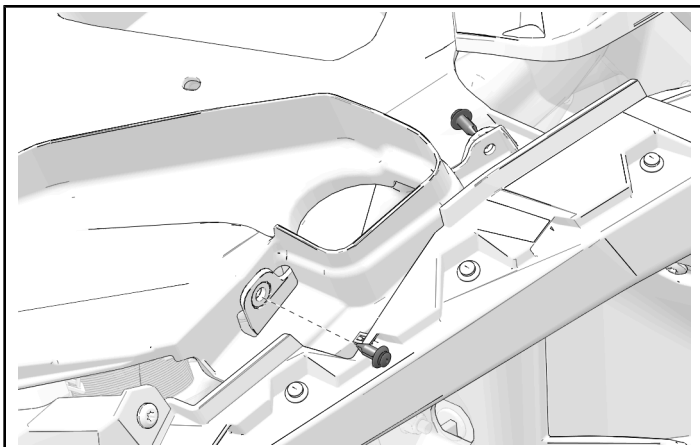
2. Install fill neck ③① to washer fluid hose by feeding through previously cut hole in hood liner. Attach using clamp ③②.

NOTICE

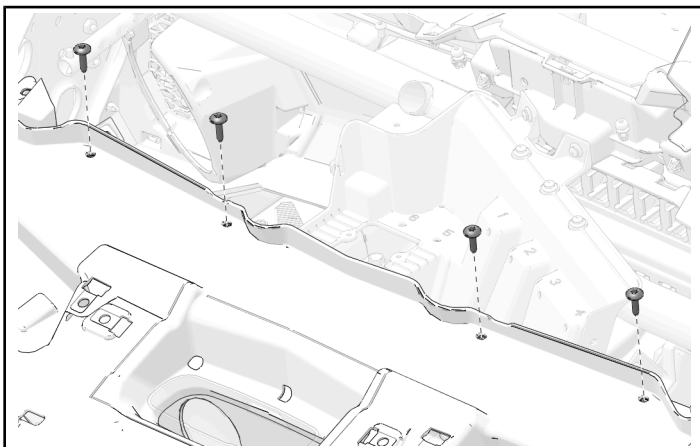
Hood liner has been hidden for clarity.



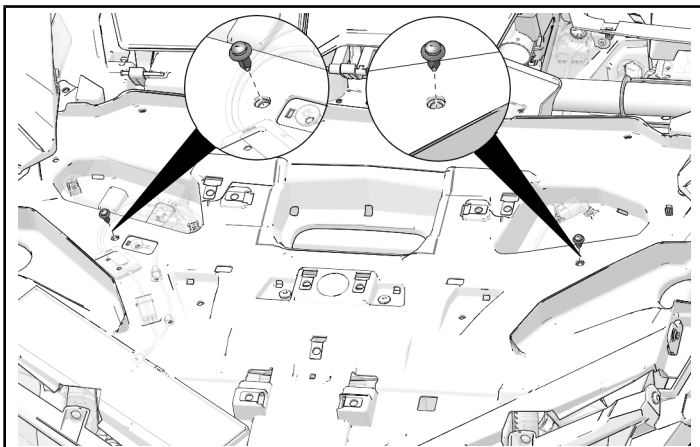
3. Install two push darts to hood liner.



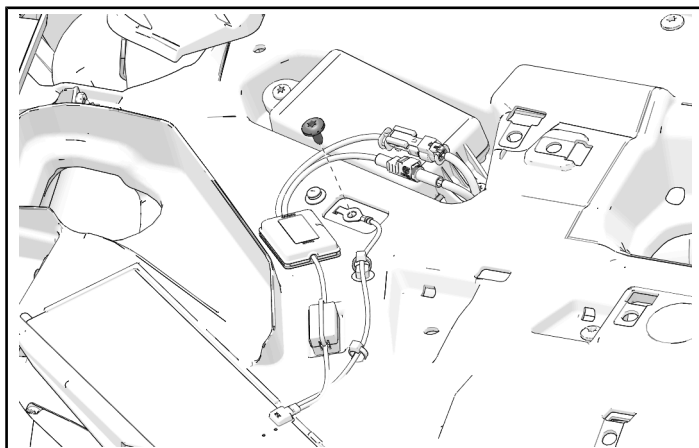
4. Loosely install four screws to hood liner.



5. Install two push-pin rivets to hood liner



6. If AM/FM is installed, plug in connections and install kept screw in eyelet.



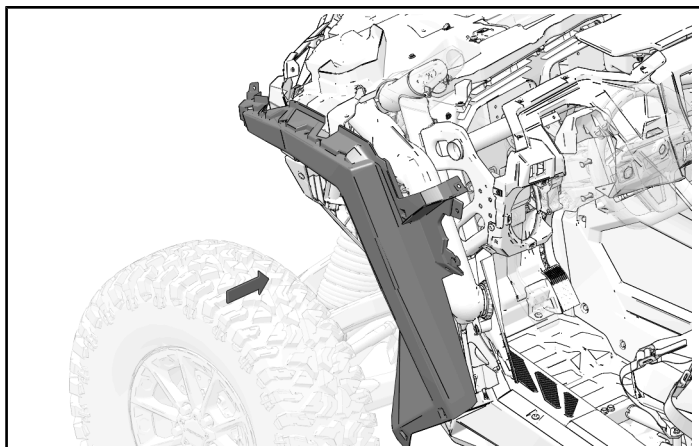
7. Torque all screws to specification.

TORQUE

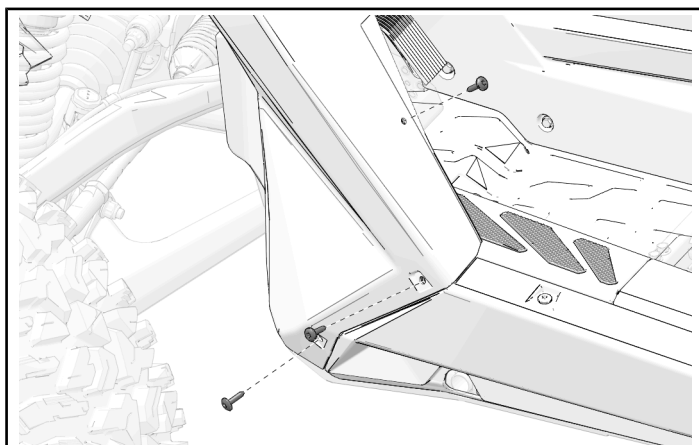
Screws:
70 in-lbs (8 N·m)

FRONT FENDER FLARE INSTALLATION

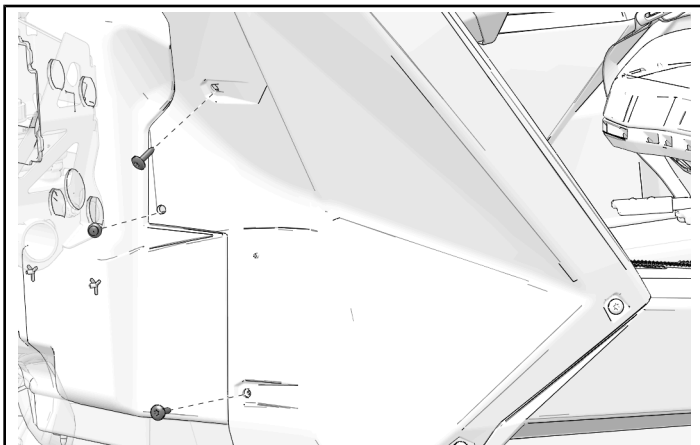
1. Install fender flare to vehicle frame by engaging tabs.



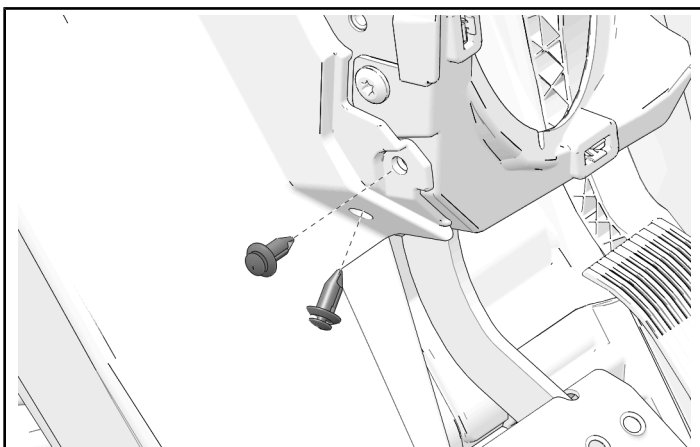
2. Loosely install two screws and push-pin rivets to lower part of fender flare.



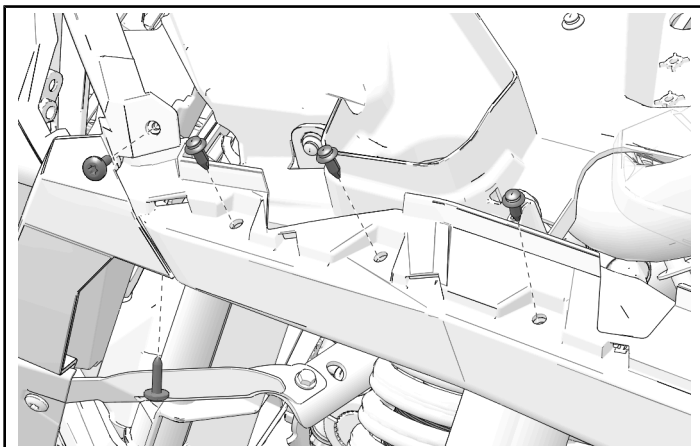
3. Loosely install one screw and two push-pin rivets to front area of fender flare.



4. Install two push-pin rivets to front speaker area.



5. Loosely install three push-pin rivets and two screws to fender flare.



6. Torque all screws to specification.

TORQUE

Screws:
31 in-lbs (3.5 N·m)

FRONT FENDER INSTALLATION

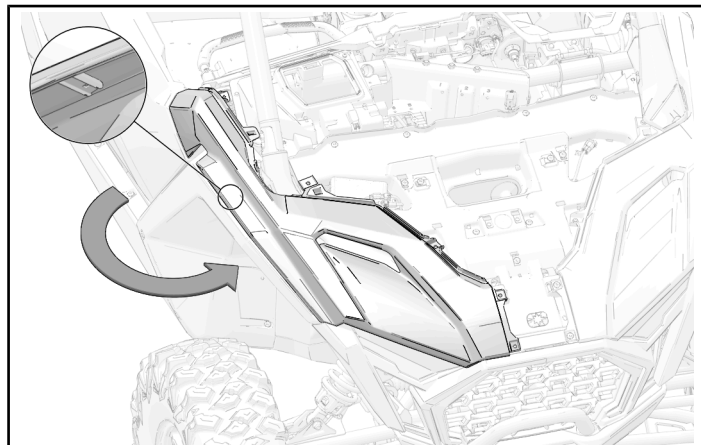
NOTICE

Right side shown; left side similar.

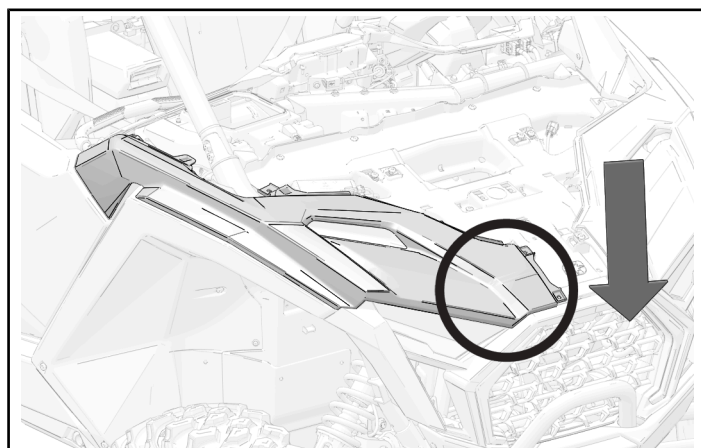
NOTICE

Parts of vehicle have been hidden for clarity.

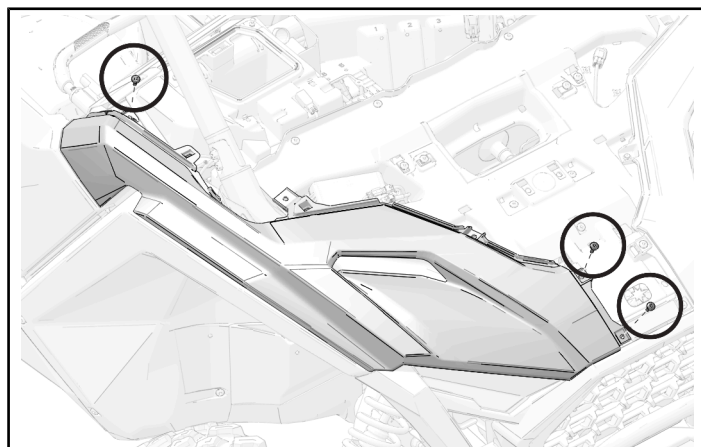
1. Install front right fender hooks slightly forward onto vehicle.



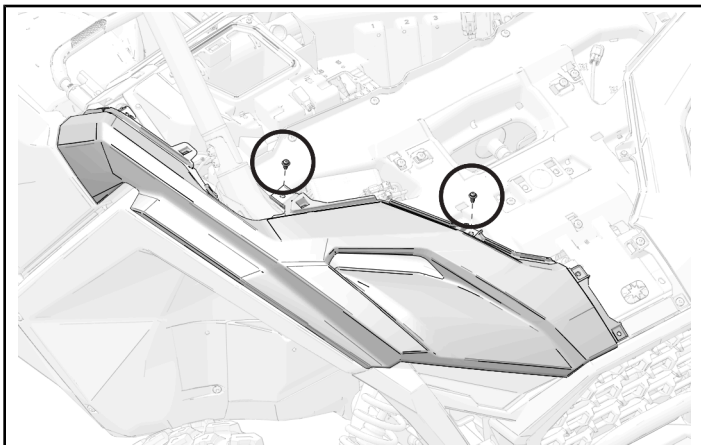
2. Install right fender front hook.



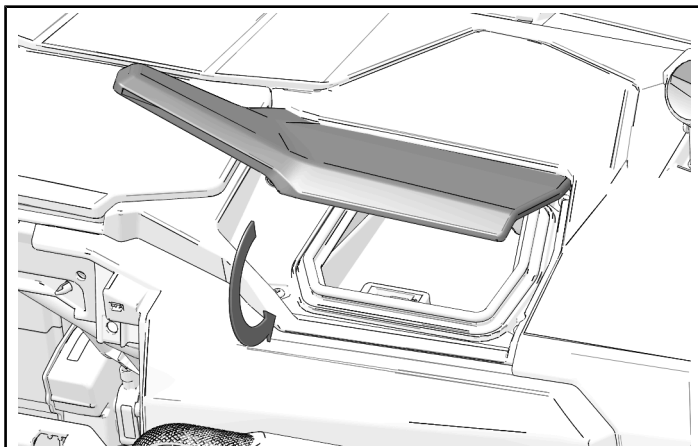
3. Install front right fender to vehicle with three screws until fully seated.



4. Install two push-pin rivets into front right rear fender.

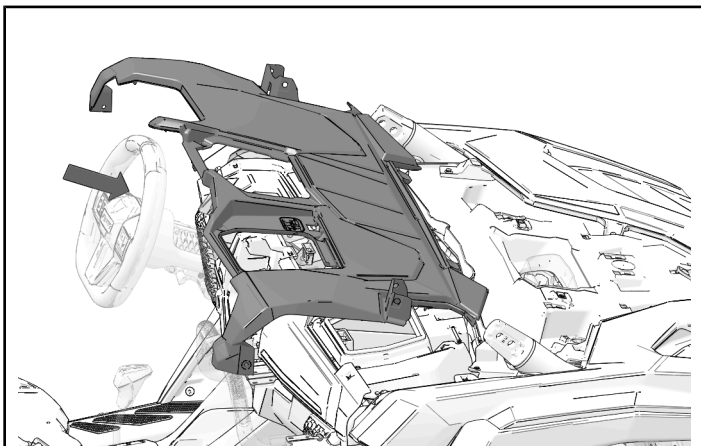


3. Close glove compartment.



UPPER DASH INSTALLATION

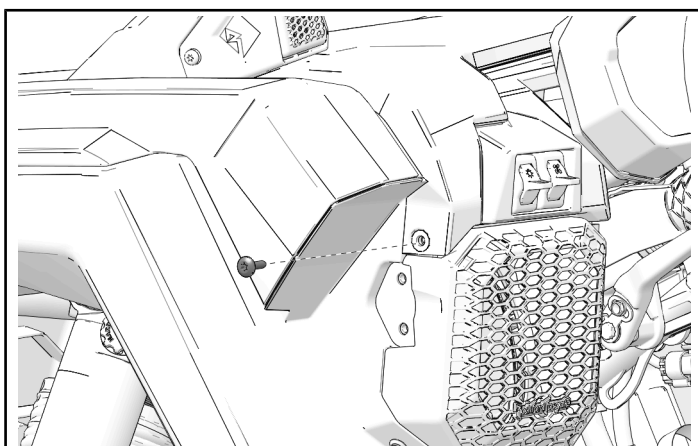
1. Install dash to vehicle frame by pushing forward and down to engage tabs on underside of panel.



4. Loosely install kept screw.

NOTICE

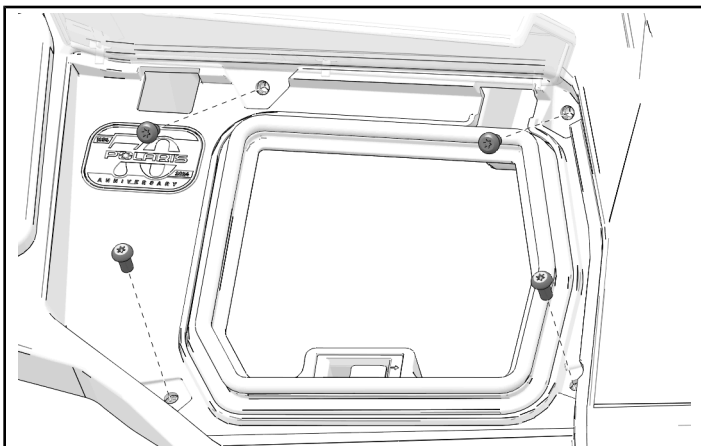
Left side shown; right side similar.



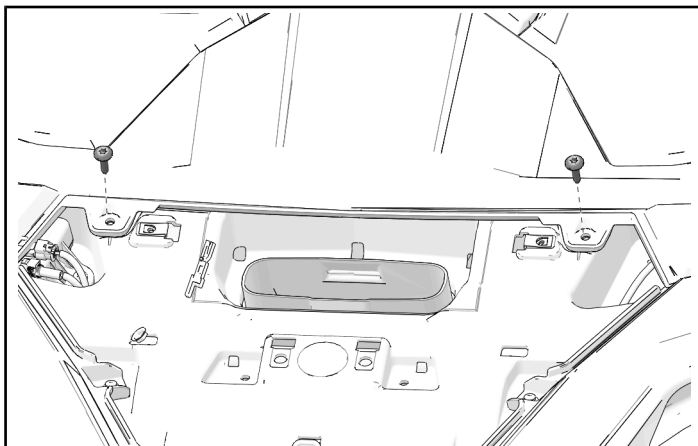
2. Loosely install four kept screws to inside of glove compartment. Torque to specification.

TORQUE

Screws:
31 in-lbs (3.5 N·m)



5. Loosely install two kept screws.

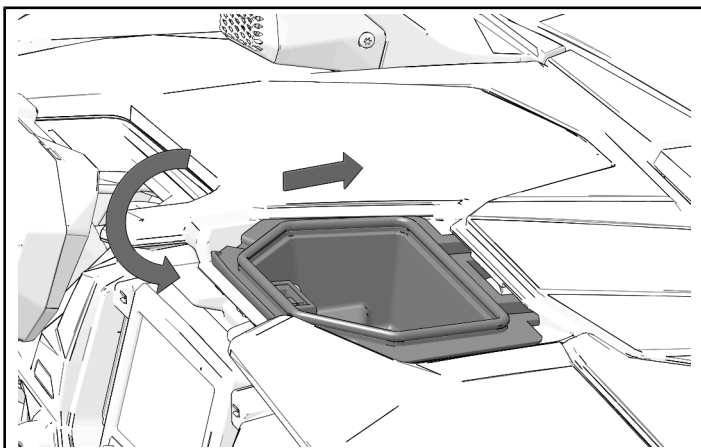


6. Torque all screws to specification.

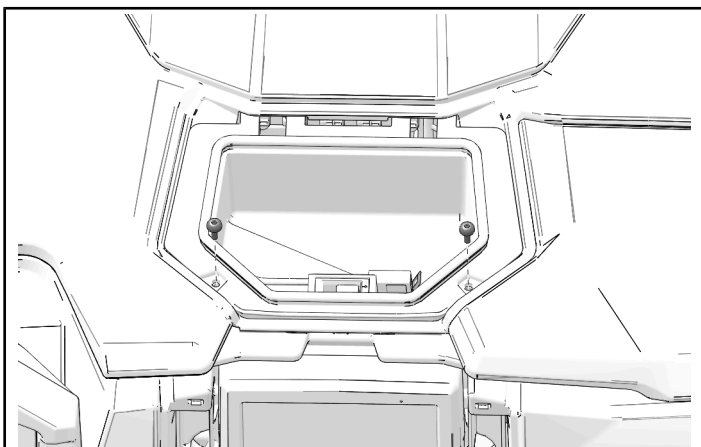
TORQUE

Screws:
31 in-lbs (3.5 N·m)

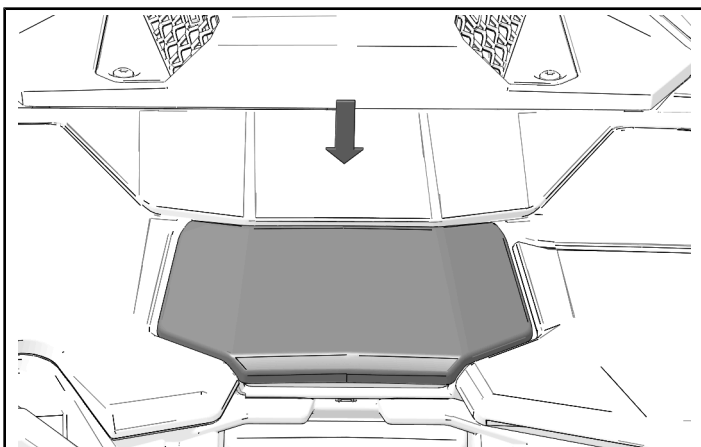
7. Route USB cord through grommet. Install dash compartment by pushing down and forward.



8. Install two screws to center dash compartment.



9. Close lid of dash compartment.

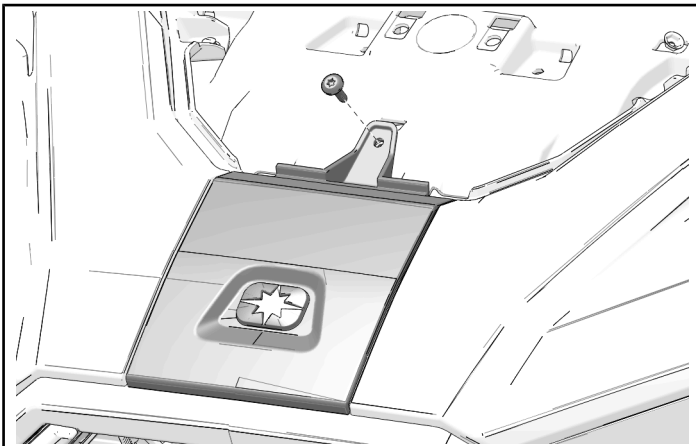


CENTER HOOD EMBLEM INSTALLATION

1. Install center hood emblem with screw. Torque to specification.

TORQUE

Screw:
31 in-lbs (3.5 N·m)

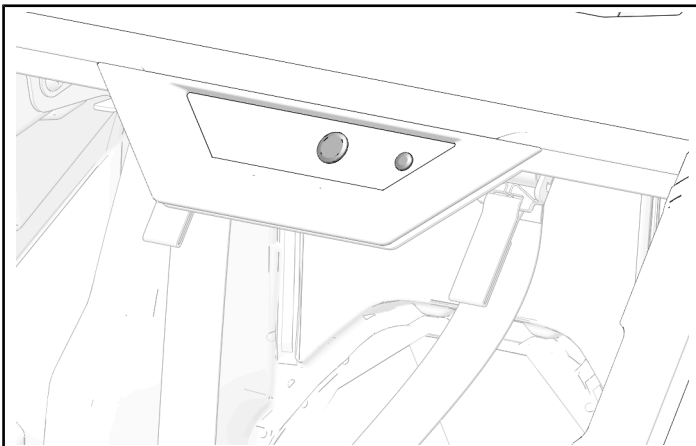


WIPER MOTOR INSTALLATION

NOTICE

Pro XP installation shown; Pro R installation similar.

1. Re-install accessory windshield.
2. Remove two plugs from accessory windshield.



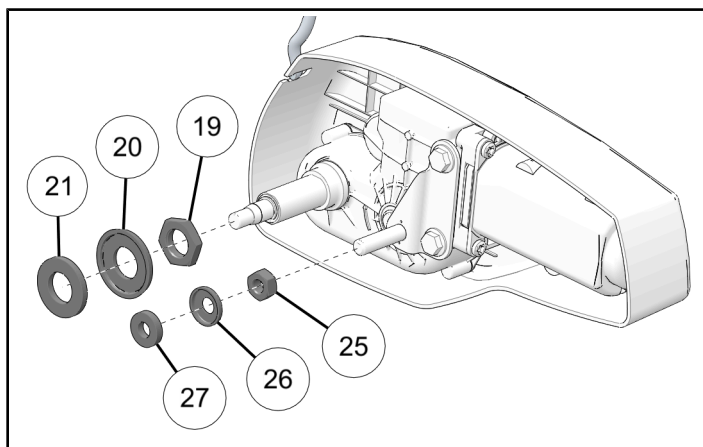
3. Install motor hardware to wiper motor as shown. Torque nuts to specification.

TORQUE

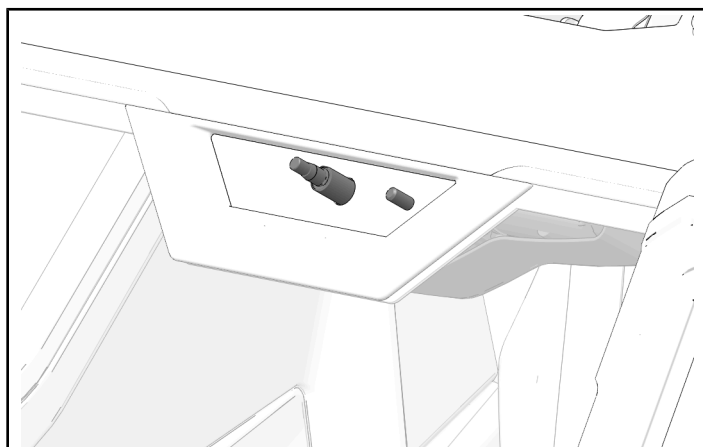
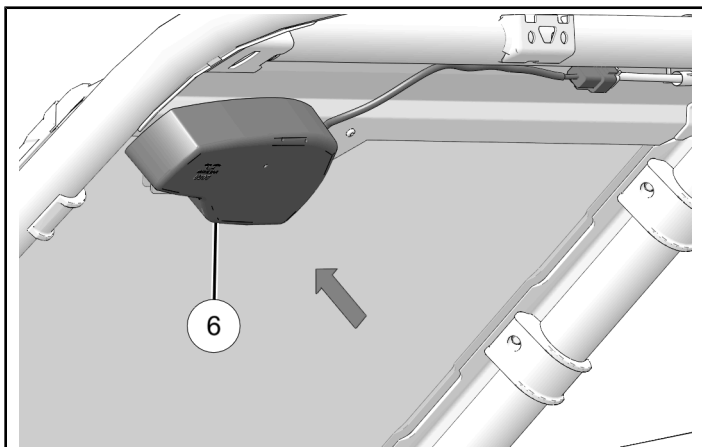
Nut ⑳:
62-71 in-lbs (7-8 N·m)

TORQUE

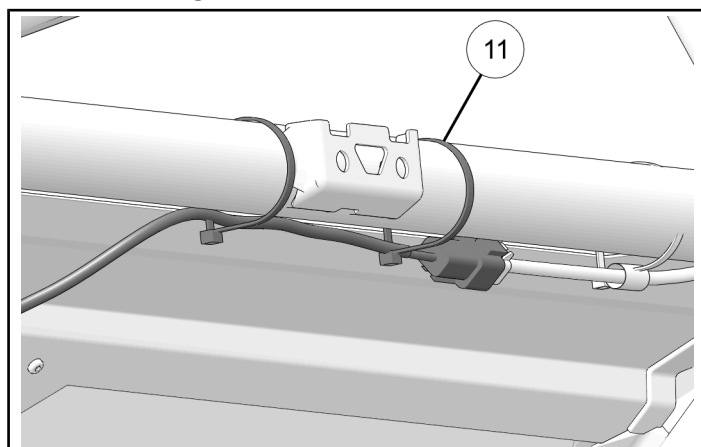
Nut ⑲:
71-88 in-lbs (8-10 N·m)



4. Install wiper motor ⑥ to empty slots in accessory windshield.



5. Attach motor harness to ROPS harness using cable ties ⑪.



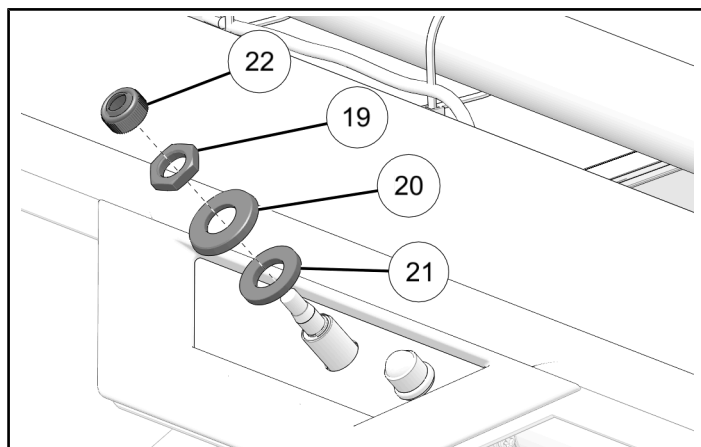
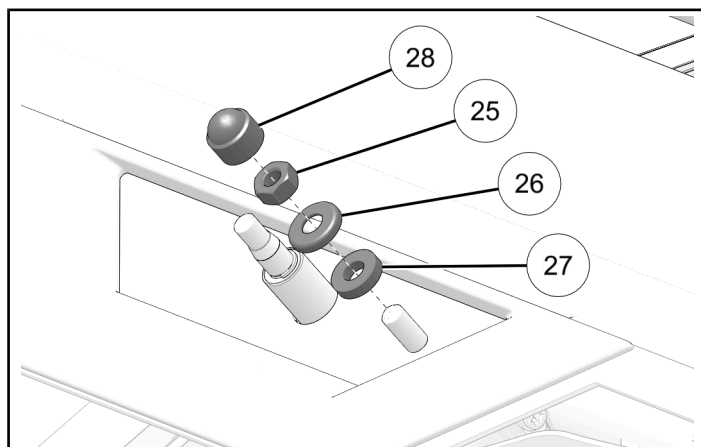
6. Install motor hardware to wiper motor as shown. Torque nuts to specification.

TORQUE

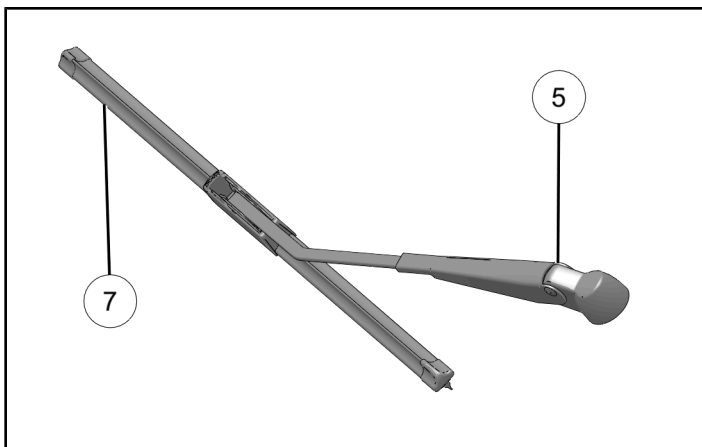
Nut ⑳:
62-71 in-lbs (7-8 N·m)

TORQUE

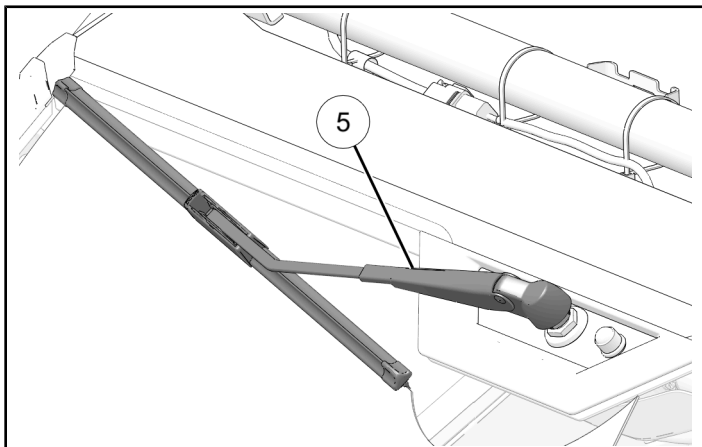
Nut ⑲:
71-88 in-lbs (8-10 N·m)



7. Install wiper arm ⑤ to wiper blade ⑦.



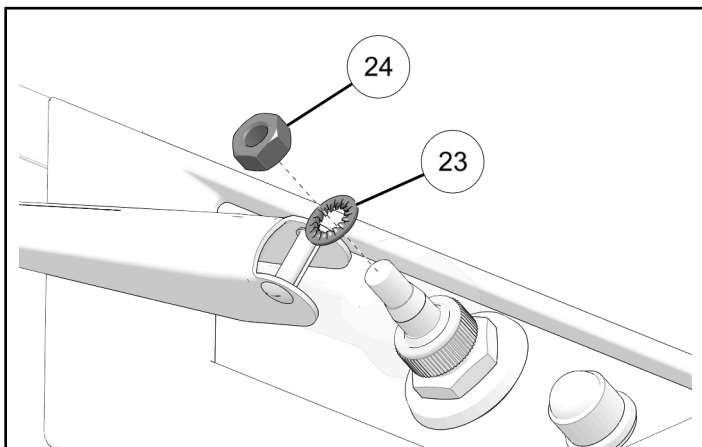
8. Install wiper arm ⑤ to wiper motor.



9. Remove cap of wiper arm and install lock washer ②③ and nut ②④. Tighten until fully seated.

TORQUE

Nut ②④:
15-16 ft-lbs (20-22 N·m)

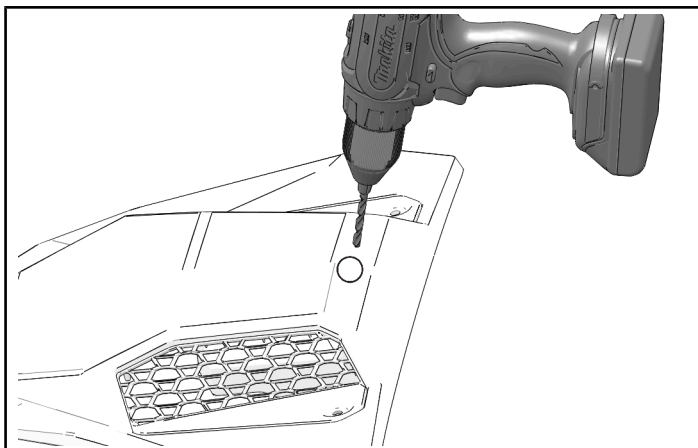


WIPER NOZZLE INSTALLATION

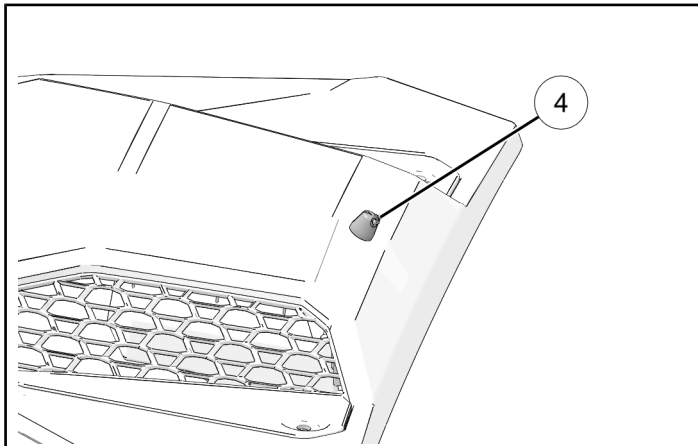
1. Drill hole in center of rear angled surface of center hood panel.

MEASUREMENT

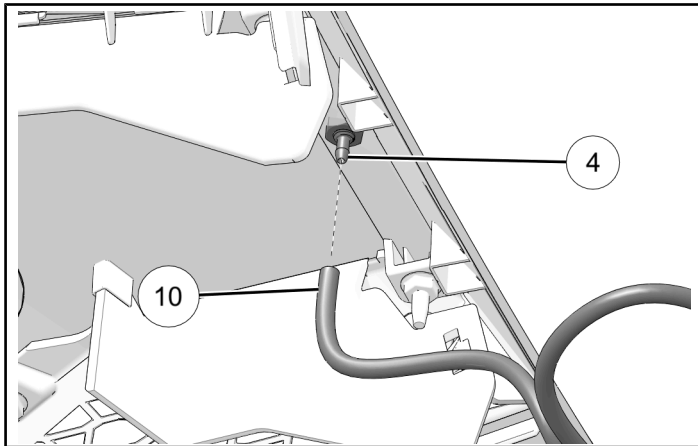
Drill Bit Size: **5/16 in (8 mm)**



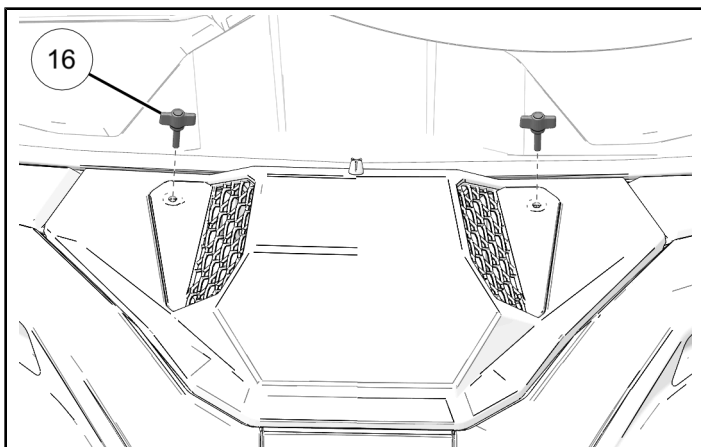
2. Install wiper nozzle ④ to previously cut hole in center hood panel.



3. Install wiper fluid hose ⑩ to wiper nozzle ④ on underside of center hood panel.



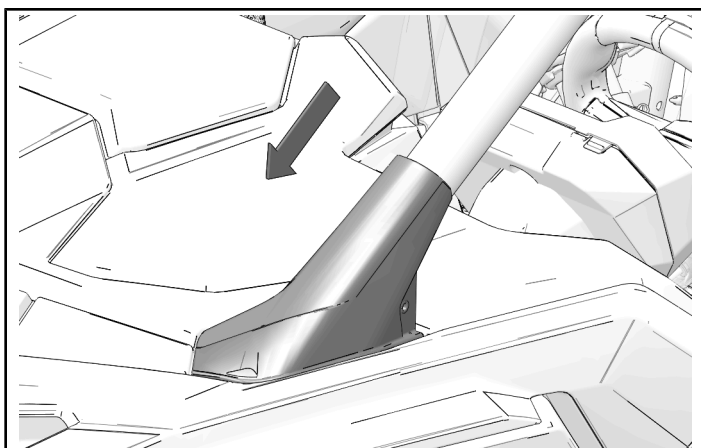
4. Install center hood panel using knobs ⑯.



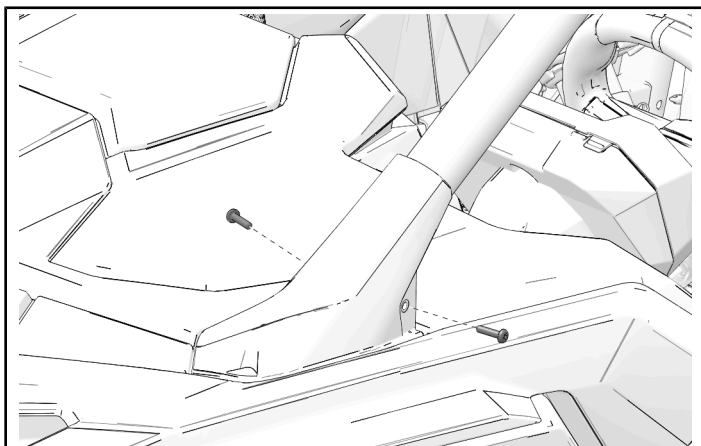
VEHICLE REASSEMBLY

A-PILLAR SHROUD INSTALLATION

1. Move a-pillar shroud down ROPS tube.



2. Install two screws to a-pillar shroud.

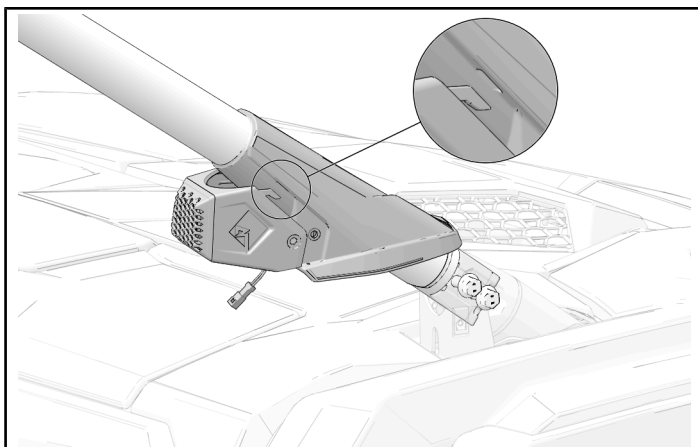


TWEETER INSTALLATION (IF EQUIPPED)

NOTICE

Right side shown; left side similar.

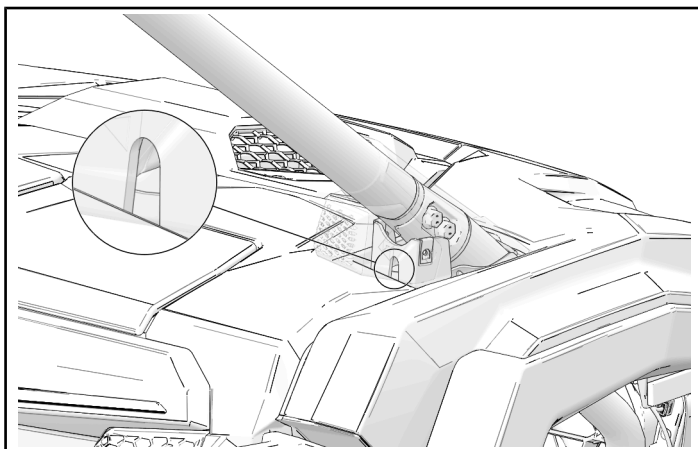
1. Install tweeter hooks into A-pillar cover holes.



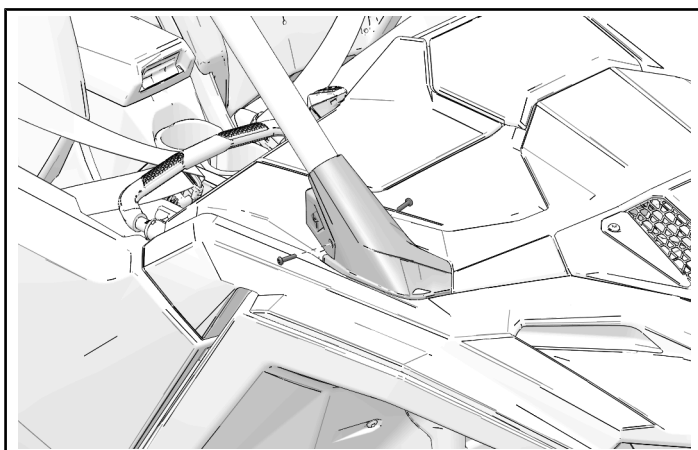
2. Move A-pillar cover down and connect tweeter to vehicle audio harness through dash hole.

NOTICE

Tweeter and shroud hidden for clarity.



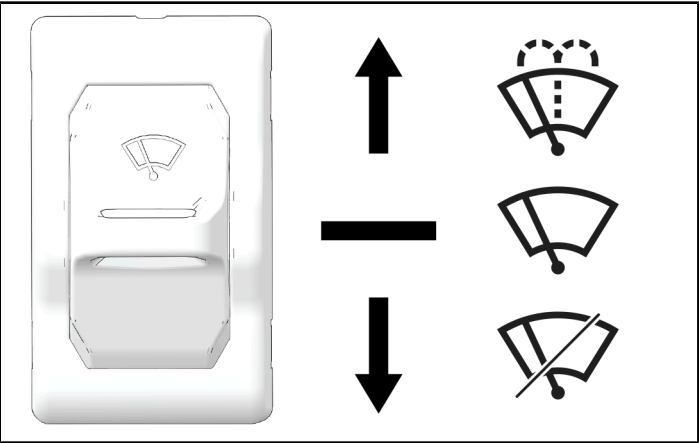
3. Install A-pillar cover to vehicle with two screws.



OPERATION

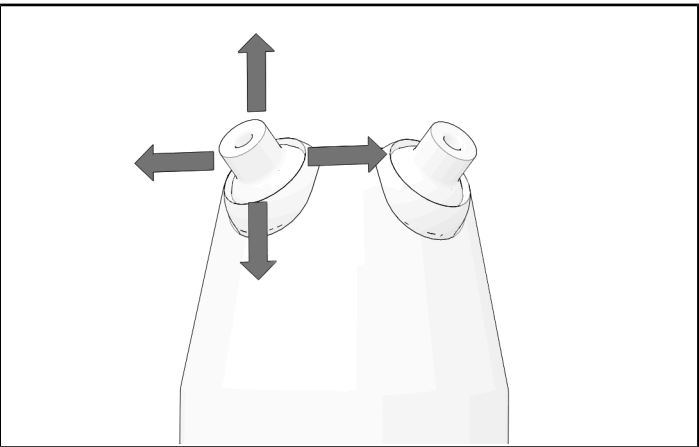
POWERING WINDSHIELD WIPER ON/OFF

Vehicle battery must be turned on for windshield wiper to function.



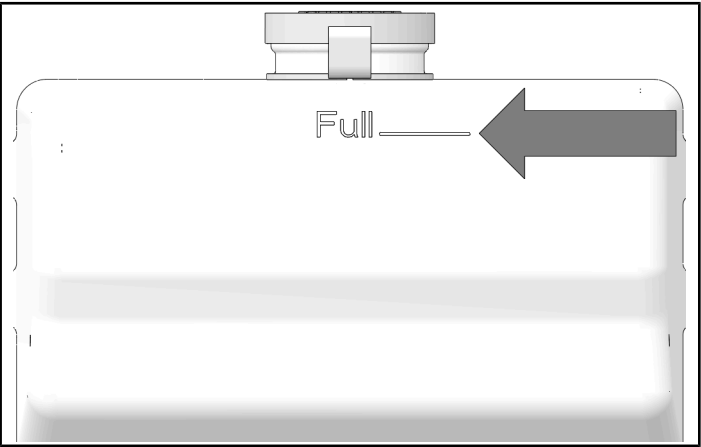
NOZZLE ADJUSTMENT

Nozzle can be adjusted by pivoting nozzle opening within assembly.



FILLING WASHER FLUID RESERVOIR

- Remove center hood panel to access washer fluid reservoir.
- Fill reservoir to line marked “Full.”
- Never fill reservoir past “Full” line.



WIPER BLADE REPLACEMENT

PART DESCRIPTION	P/N AVAILABLE SEPERATELY
Blade, Wiper	2639637