

P/N 2885082

## 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.

## APPLICATION

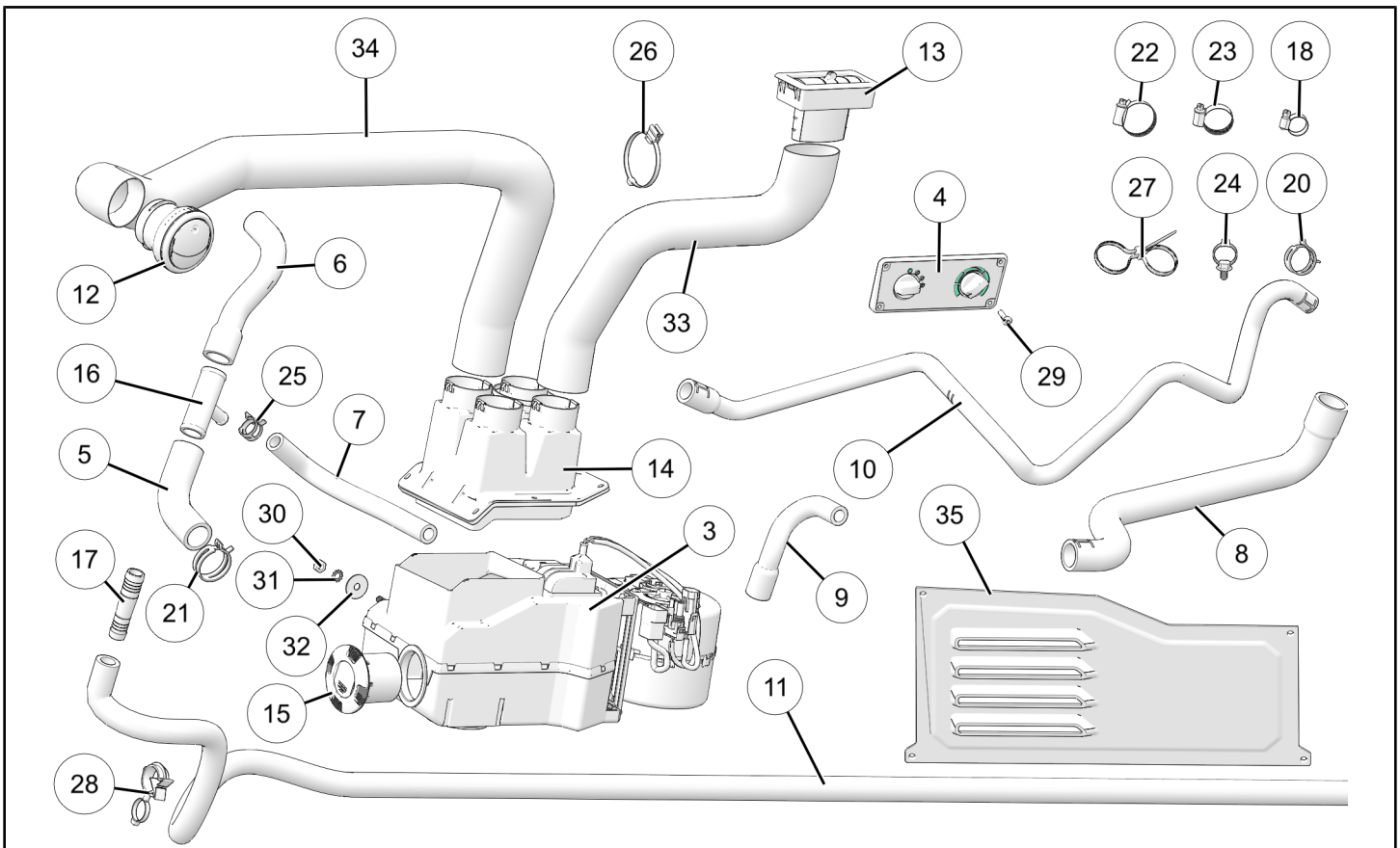
Verify accessory fitment at [www.polaris.com](http://www.polaris.com).

## REQUIRED SOLD SEPARATELY

Only parts for installation of the Heater Kit are included. For complete installation, the following additional kit is required (sold separately) if installed on a base model:

- Pulse Bar kit, P/N 2889185, 2889568

## KIT CONTENTS

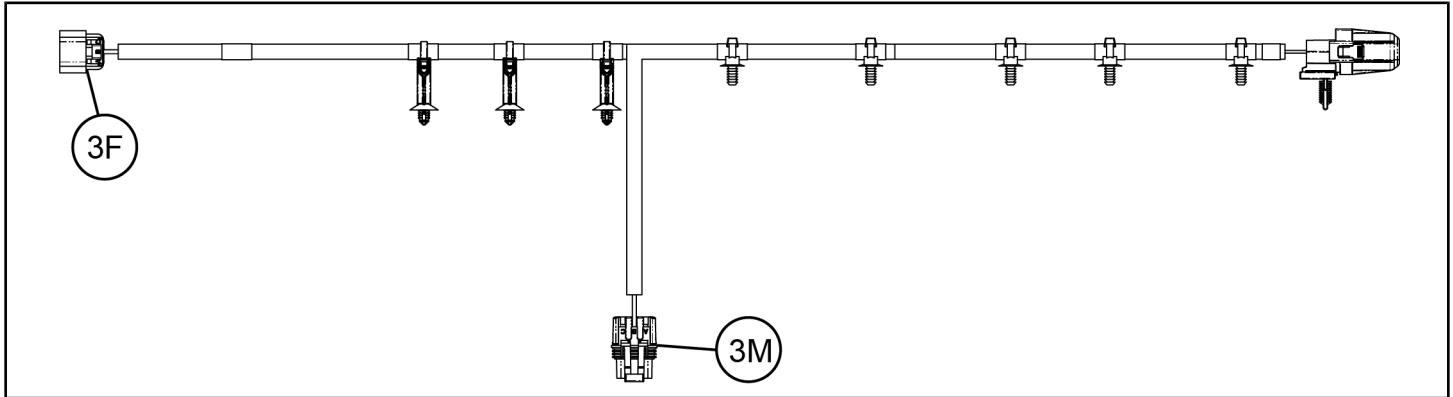


REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY
1	1	Harness – Accessory, Heater, Extension	2415960
2	1	Harness – Accessory, Heater, Main	2416536
3	1	Assembly – Main Heater	2638459
4	1	Assembly – Controls, Heater	2638864

REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY
5	1	Hose – Coolant, 3-way, Engine	5417704
6	1	Hose – Coolant, 3-way, Radiator	5417705
7	1	Hose – Heater High Return, 1/2 in	5417770
8	1	Hose – Engine Inlet	5417872
9	1	Hose – Heater, Front	5417873
10	1	Hose – Bypass, 1/2 in	5417890
11	1	Hose – Heater, 5/8 in	5418073
12	2	Vent – Round	5452877
13	2	Vent – Defrost	5453900
14	1	Manifold – Air Distributor, Top	5458318
15	2	Vent – Round, 2 in	5458319
16	1	Connector – Tee, 1.0 x 1.0 x 0.5 mm	7052530
17	2	Connector, 3/4 x 5/8 in	7055597
18	1	Clamp – Hose, 0.875 mm	7080474
19	8	Cable – Tie, 10–102 mm	7080761
20	3	Clamp – Springband, 27/12	7080841
21	4	Clamp – Springband, 32/12	7080843
22	1	Clamp-Hose, 25–40 mm	7081192
23	2	Clamp – Hose, 20–32 mm	7081314
24	7	Clip, Push-pin Rivet	7081496
25	3	Clamp – Hose, Spring, 20 mm	7081719
26	6	Clip, Edge	7081808
27	1	Cable – Tie, Dual Loop, 38 mm	7081916
28	1	Clip – Omega, 19–24.5 mm	7082408
29	12	Screw – Torx, #10 x 3/4 in	7512026
30	4	Nut – Hex, 1/4–20 in	7542105
31	4	Washer, 1/4 x 1/2 x 0.25 in	7552604
32	4	Washer, .281 x 1.00 x .051 mm	7556329
33	2	Duct – Air, Heater, 773 mm	8360166-773
34	2	Duct – Air, Heater, 925 mm	8360166-925
35	1	Cover – Heater, Cab, Black	5458004–070
36	1	Heater Cap Template ( <i>not shown</i> )	n/a
37	1	Heater Vent Template ( <i>not shown</i> )	n/a

# HARNESS DETAIL

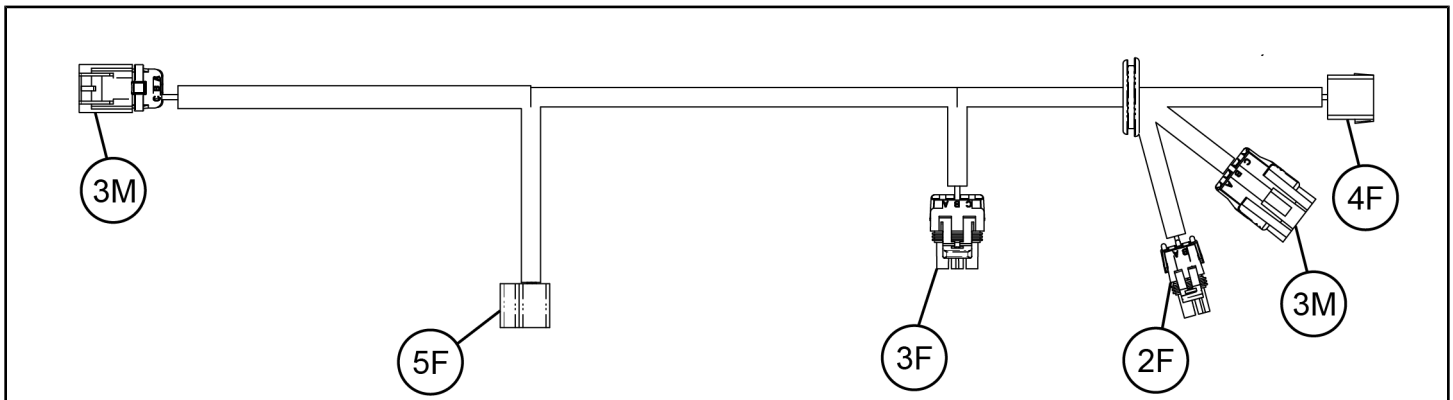
## ACCESSORY HEATER HARNESS – EXTENSION ①



REF	PART DESCRIPTION	CONNECTS TO
3M	Pulse Bar Connector	Pulse Bar
3F	Heater Harness Connector	Heater Harness – Main ②
–	Fuse Block	n/a

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

## ACCESSORY HEATER HARNESS – MAIN ②



REF	PART DESCRIPTION	CONNECTS TO
4F	Connector, Unsealed (clear)	Fan
2F	Connector, Tower Sealed (black)	Servo Power
3M	Connector, Shroud Sealed	Servo Signal
3F	Connector, Tower Sealed (black)	Temperature Switch
3M	Connector, Sealed (black)	Heater Harness – Ext ①
5F	Connector, Unsealed (black)	Fan Switch

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

## TOOLS REQUIRED

- Safety Glasses
- Cutting Tool
- Drain Pan
- Drill
- Drill Bit:
  - 1/8 in (3.175 mm)
  - 5/16 in (8 mm)
- Hole Saw:
  - 1 in
  - 2 in
  - 2 1/2 in
- Pliers, Hose Pinch-Off
- Pliers, Push Pin Rivet
- Socket Set, Metric
- Socket Set, Torx® Bit
- Tape Measure
- Torque Wrench

## CONSUMABLES REQUIRED

- Antifreeze, POLARIS 50/50 Premix, 2-4 quarts
- Gloves, Chemical Resistant

## IMPORTANT

Your Heater 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

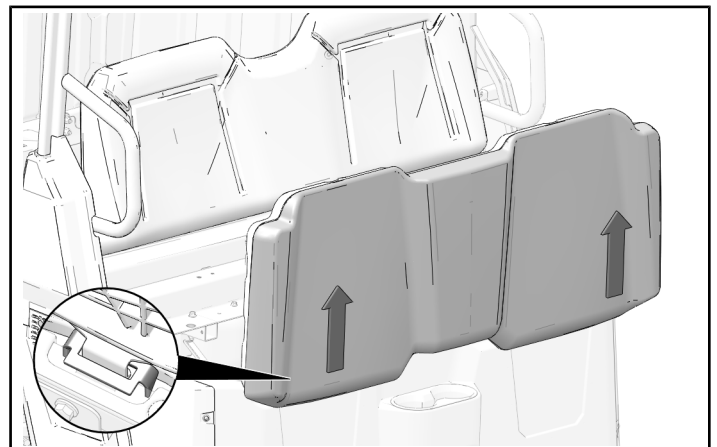
1. Park vehicle on a flat surface.
2. Shift vehicle into PARK.
3. Turn key to OFF position and remove key.

#### SEAT REMOVAL

1. Pull rear of seat and rotate seat upright.



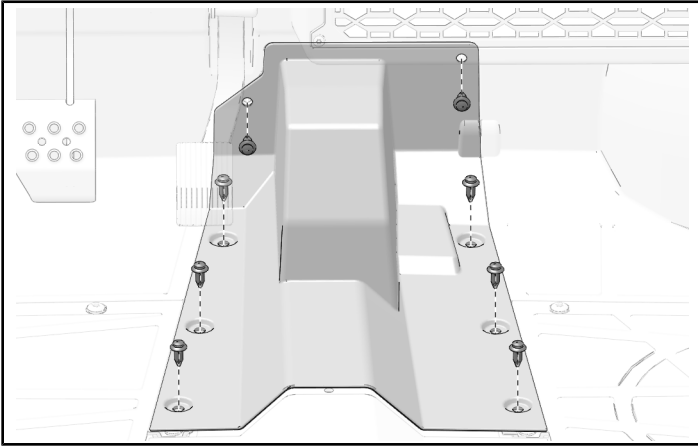
2. Lift seat up and remove from lower hinge brackets.



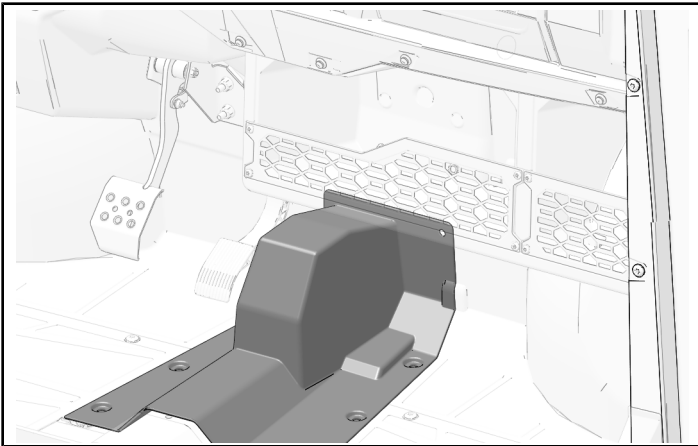


## TUNNEL COVER REMOVAL

1. Remove and keep six push-pin rivets.

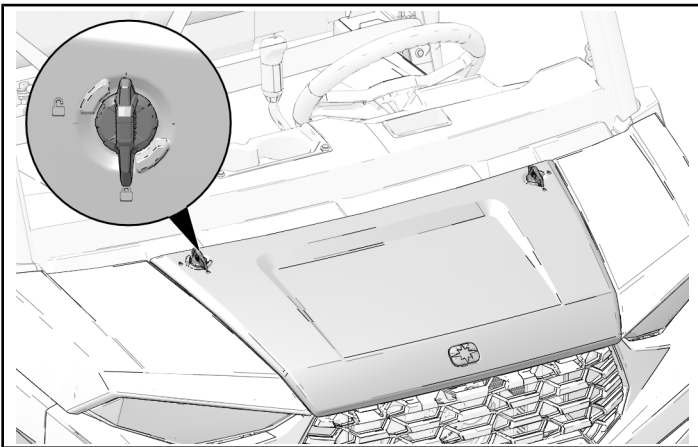


2. Remove tunnel cover from vehicle.



## HOOD REMOVAL

1. Turn two quarter-turn fasteners to unlock position to remove hood from vehicle.

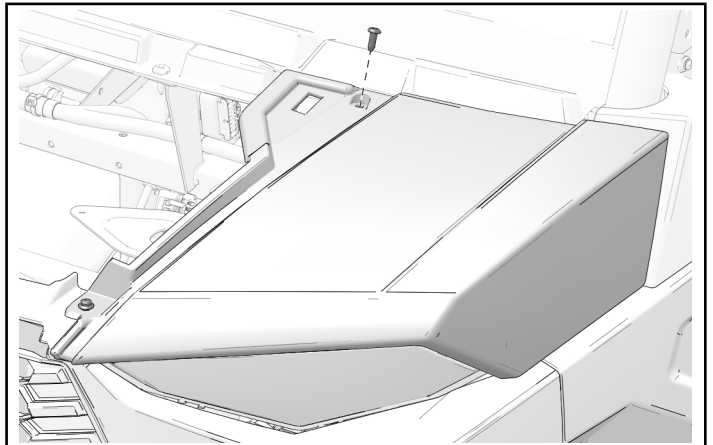


## OUTER HOOD REMOVAL

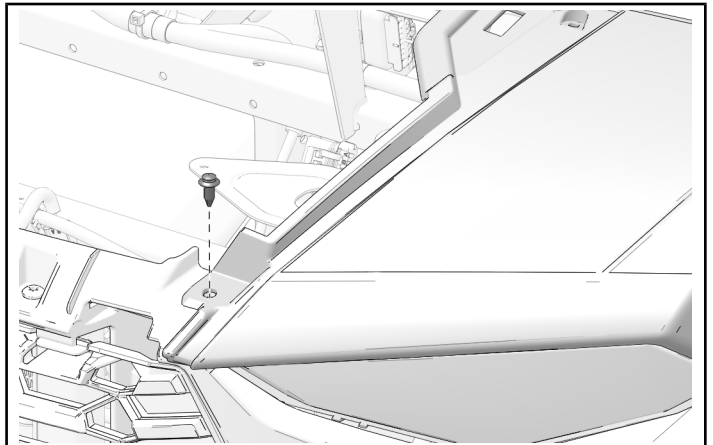
### NOTICE

Left side shown; right side similar.

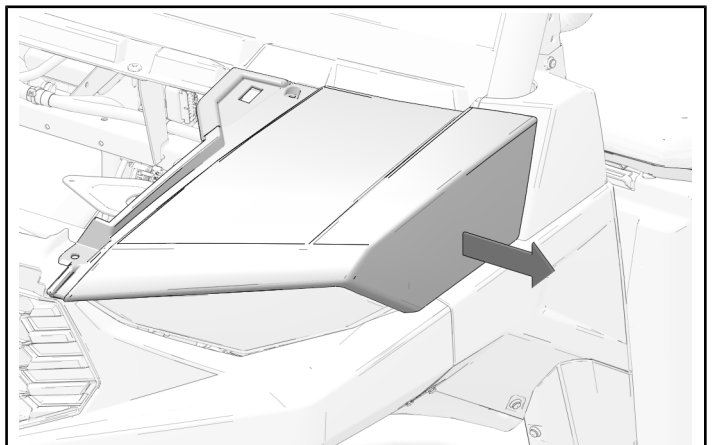
1. Remove and keep one screw from outer hood.



2. Remove and keep one push-pin rivet from outer hood.

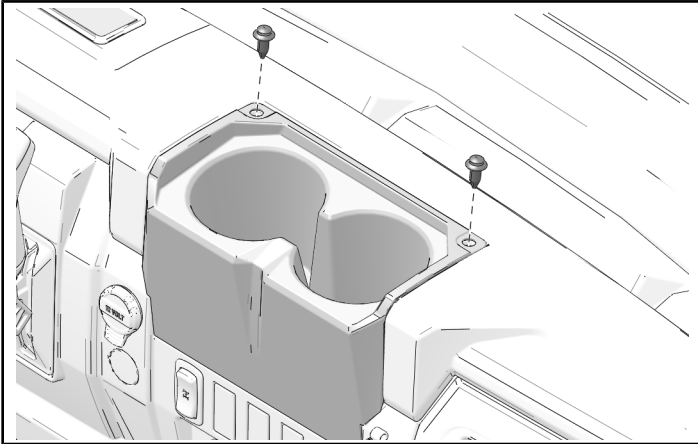


3. Pull outer hood away from vehicle.

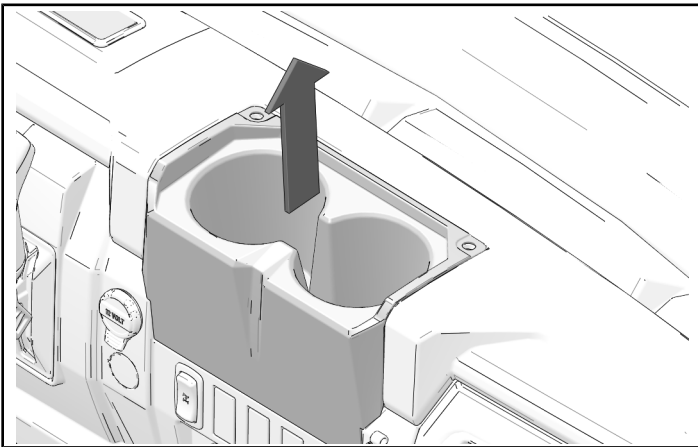


## CUP HOLDER REMOVAL

1. Remove and keep two push-pin rivets from cup holder.



2. Remove cup holder from dashboard.

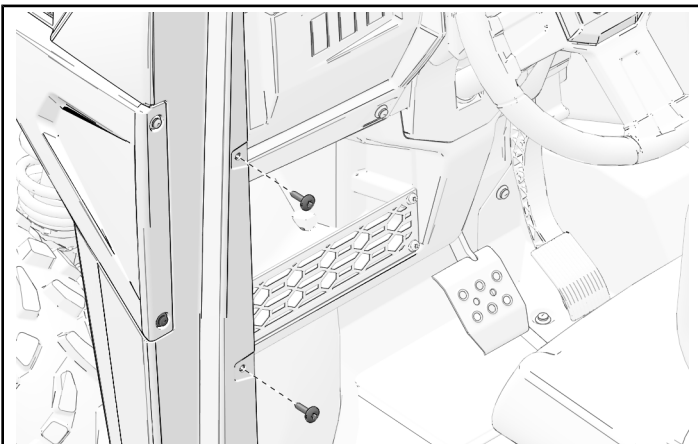


## UPPER DASH REMOVAL

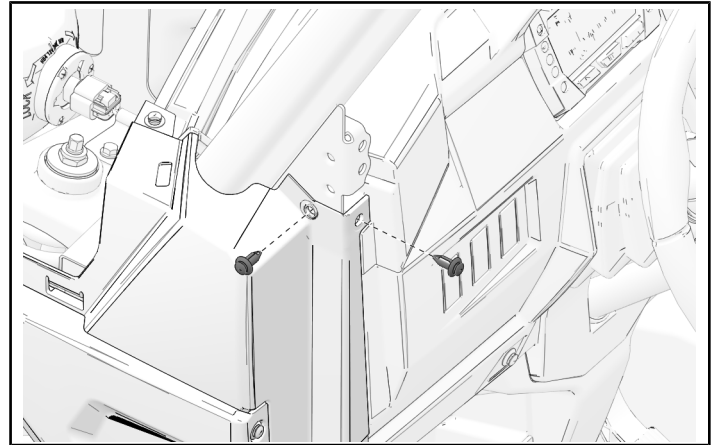
### NOTICE

Left side shown; right side similar.

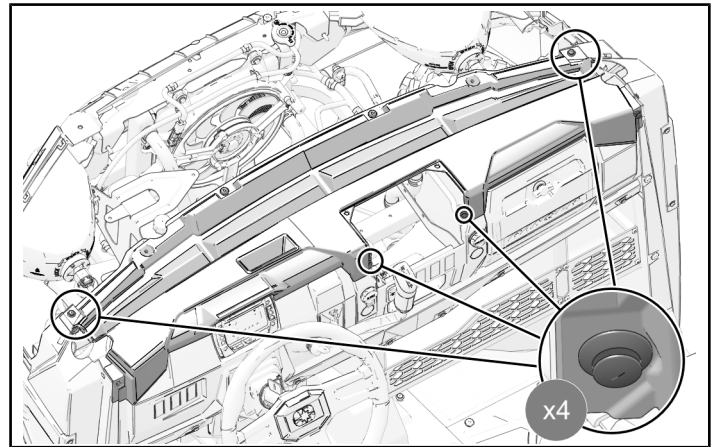
1. Remove and keep two screws from front frame panel.



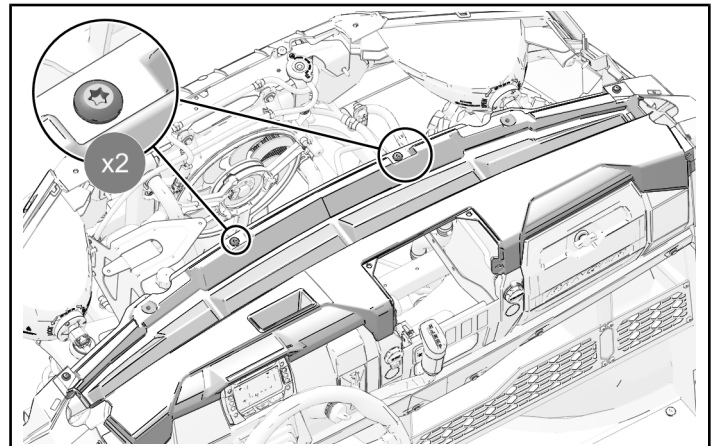
2. Remove and keep two push-pin rivets from front frame panel.



3. Remove and keep four push-pin rivets from upper dash.



4. Remove and keep two screws from upper dash.

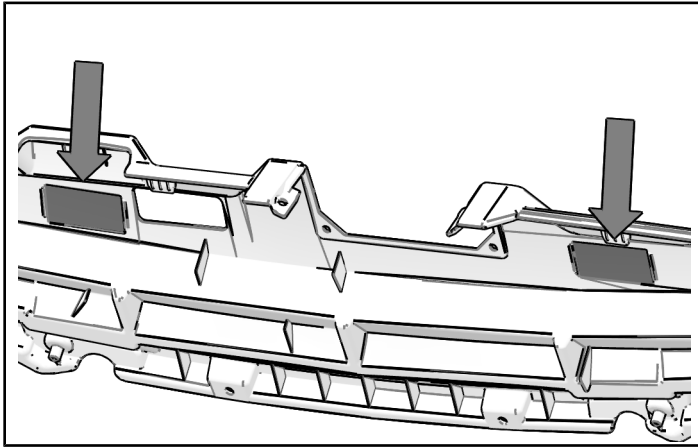


5. Remove upper dash from vehicle and set aside.

## ACCESSORY INSTALLATION

### UPPER DASH VENT HOLES

1. Cut out vent lines along the scribe marks on the underside of the upper dash.



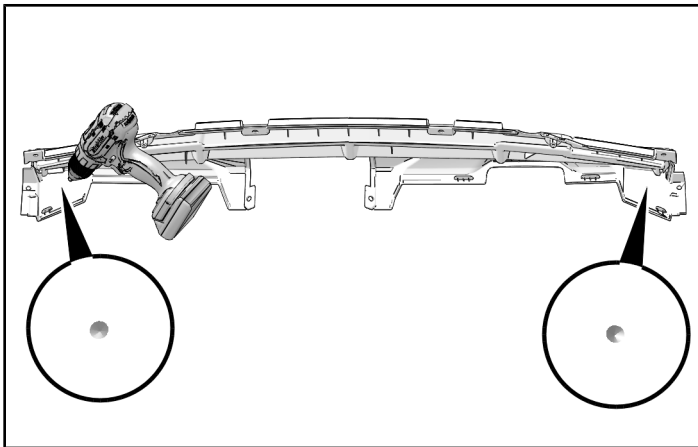
2. Drill 1/8 inch pilot hole through back of upper dash at scribe mark. Then, drill 2 1/2 inch hole through the front of the upper dash.

#### MEASUREMENT

Drill Bit Size:  
1/8 in (3.175 mm)

#### MEASUREMENT

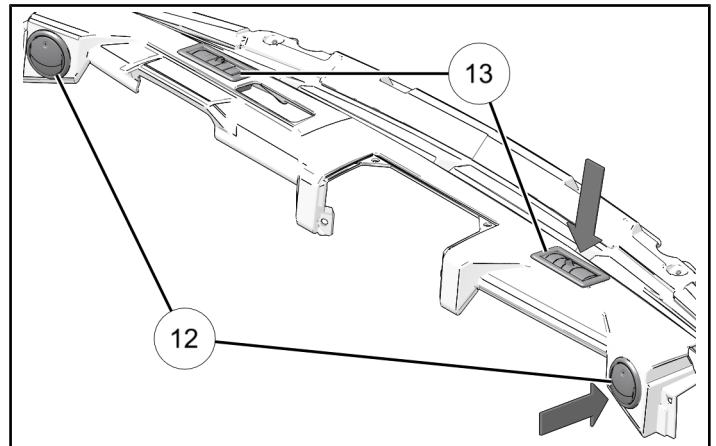
Hole Saw Size:  
2 1/2 in



3. Install the defrost vents ⑬ and round vents ⑫ from the cab side of the dash. Push until they lock into place.

#### TIP

If the vents will not fit, use a file or deburring tool to slightly open the hole.

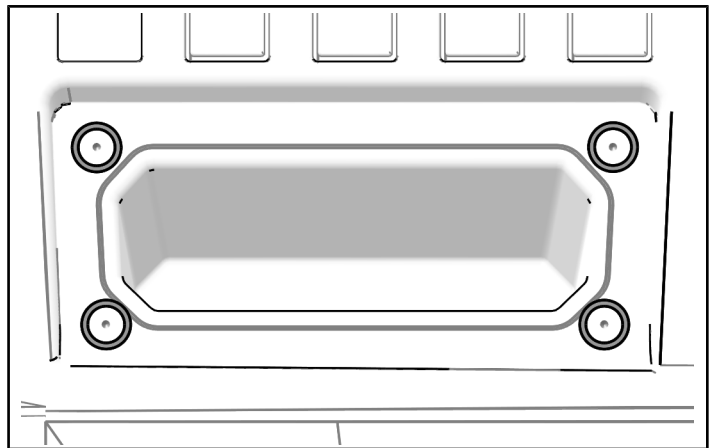


### HEATER ASSEMBLY AND CONTROL PANEL INSTALLATION

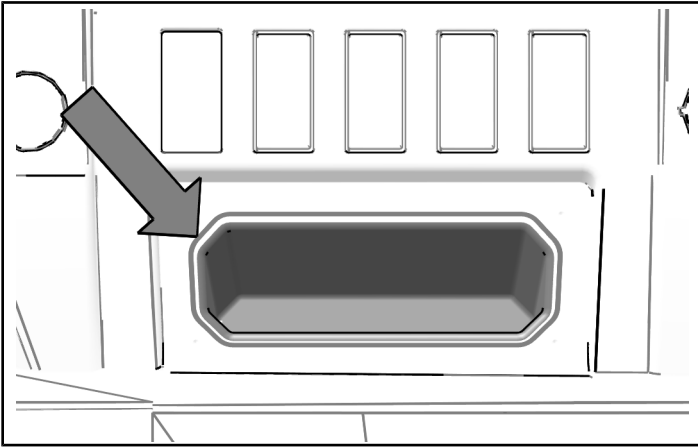
1. Using a 1/8 inch drill bit, drill molded mounting holes for heater control panel from inside.

#### MEASUREMENT

Drill Bit Size:  
1/8 in (3.175 mm)



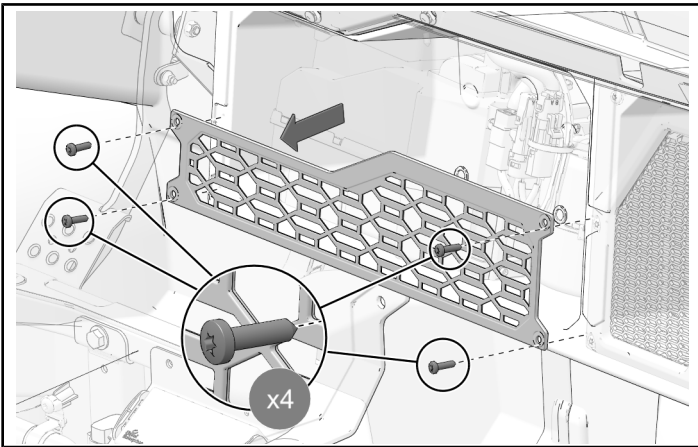
- Score storage compartment in the main dash and cut out for heater control panel.



- Remove and keep four screws from dash compartment cover.

**IMPORTANT**

Dash compartment cover screws will be used to install heater cover after heater installation is complete.

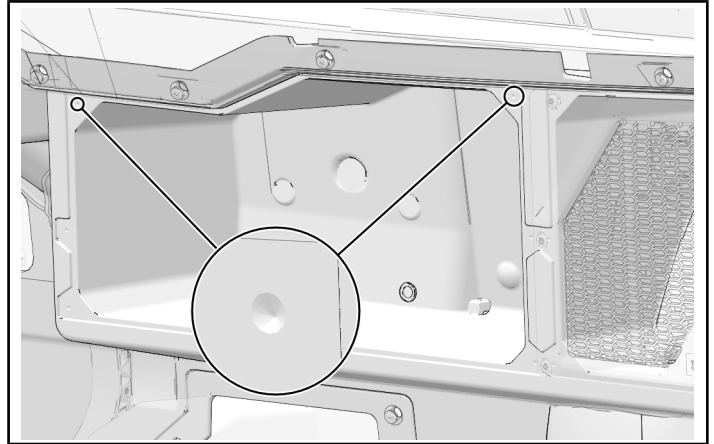


- Remove and discard dash compartment cover.

- Drill two 1/8 inch holes through existing drill point dimples on outside of upper dash compartment, as shown.

**MEASUREMENT**

Drill Bit Size:  
**1/8 in (3.175 mm)**



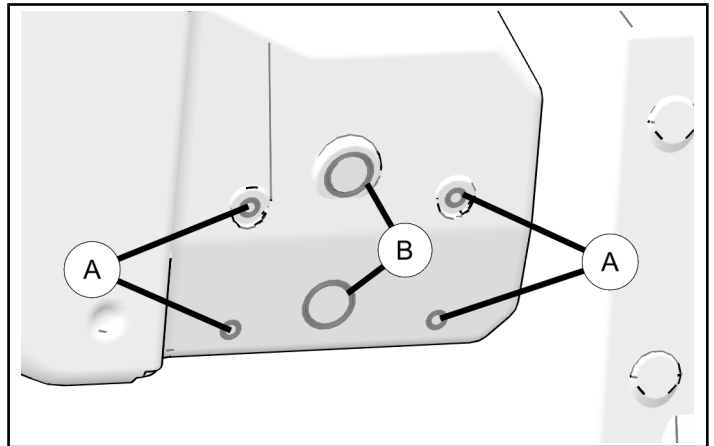
- Drill four 5/16 inch holes (A) for heater assembly studs.

**MEASUREMENT**

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

**NOTICE**

Image shown of the lower dash from under the hood. Locations should be scribed into the plastic from factory.



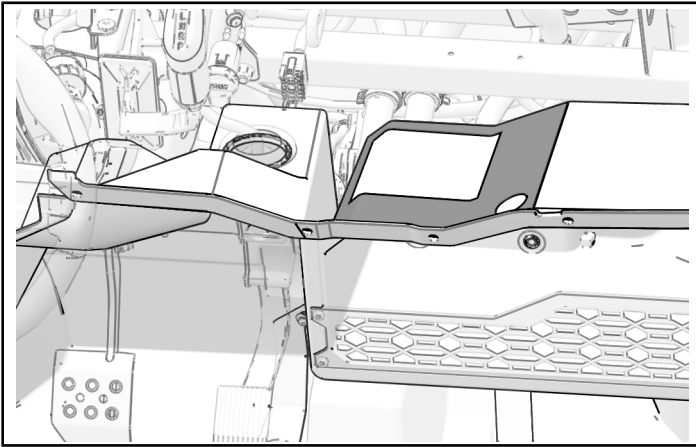
- Drill two 1 inch holes (B) for the heater hoses.

**MEASUREMENT**

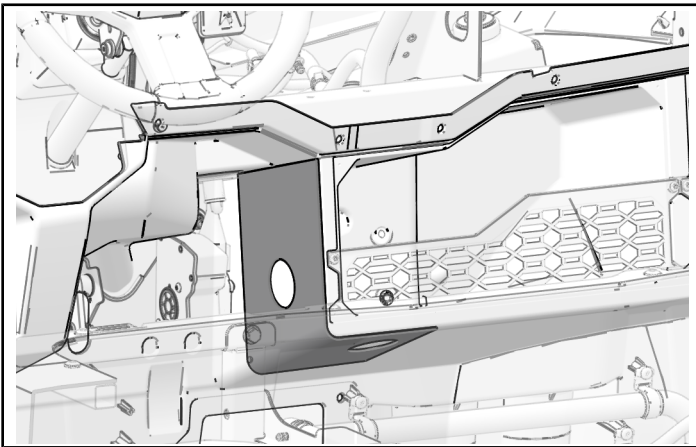
Hole Saw Size:  
**1 in**



8. Install template for heater cap on top of lower storage compartment as shown.



9. Cut out the outline for heater cap and drill hole for harness.  
 10. Place other provided template on bottom of lower dash. Mark center of two vent holes. Remove template.



11. Using 2 inch hole saw, drill holes. Deburr the holes to remove rough edge.

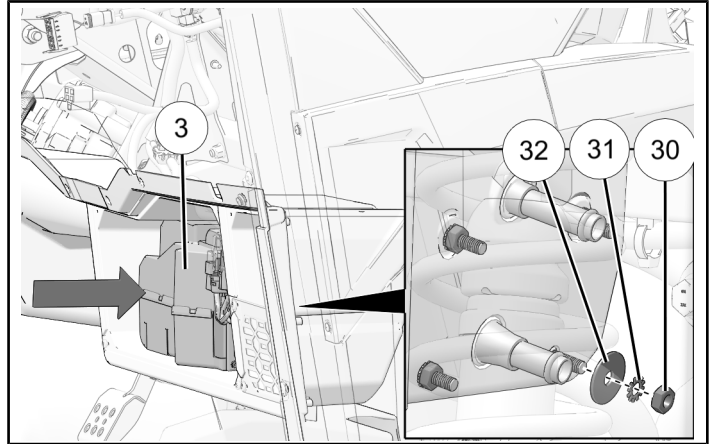
**MEASUREMENT**

Hole Saw Size:  
**2 in**

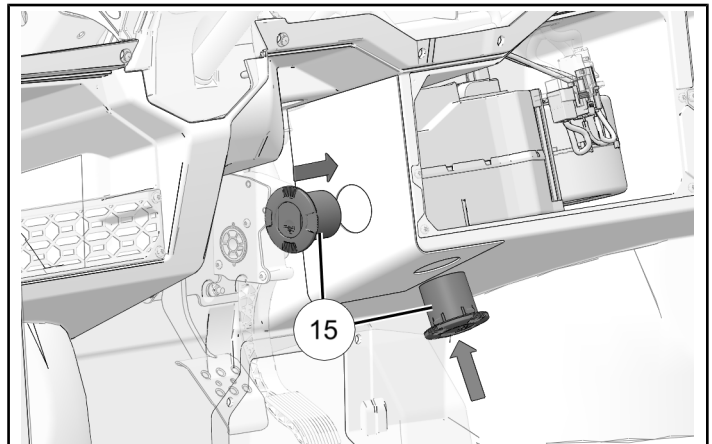
12. Install heater assembly (3) through previously drilled holes. Install large washer (32), lock washer (31) and nut (30). Torque nuts to specification.

**TORQUE**

Heater Mounting nuts (30):  
**8 (11 N·m)**



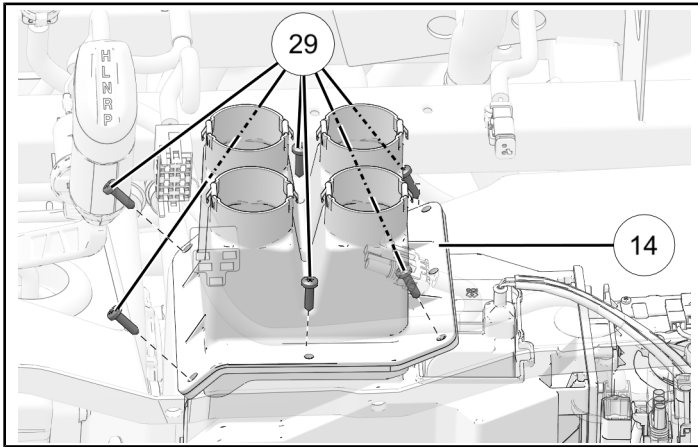
13. Install two round vents (15) by pushing them through the two holes cut in step 8.



14. Install air distributor top ⑭ to heater assembly.  
Torque fasteners ⑳ to specification.

**TORQUE**

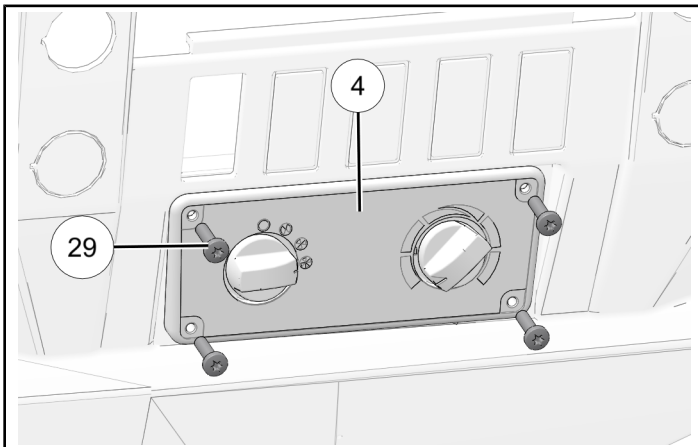
Air Distributor Top fasteners ⑳:  
**18 (2 N·m)**



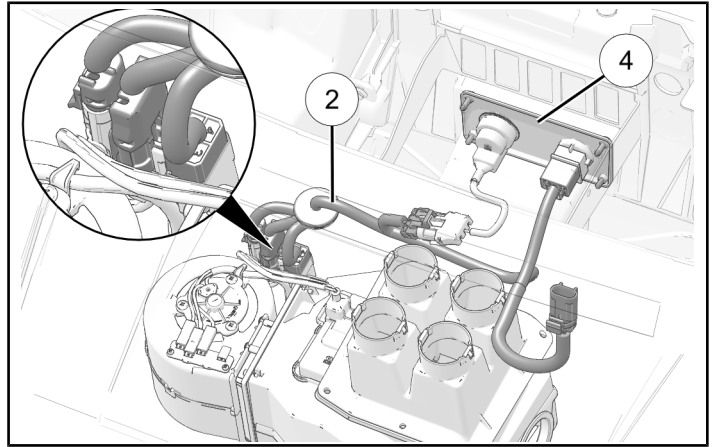
15. Install heater control panel ④. Torque fasteners ⑳ to specification.

**TORQUE**

Control Panel fasteners ⑳:  
**Tighten until fully seated**



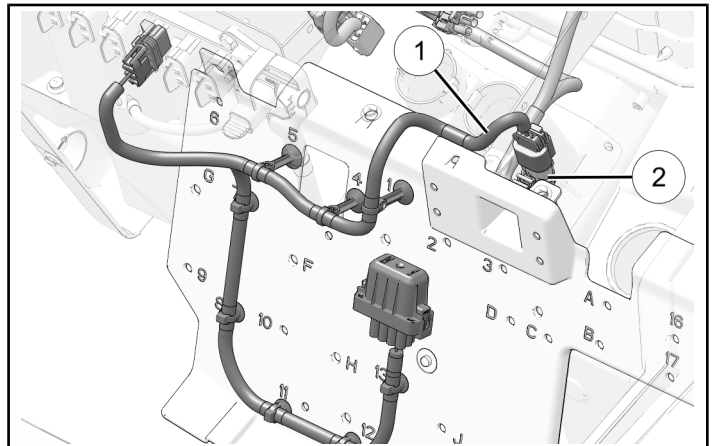
16. Route control panel harness ② through bulkhead and connect to control panel and heater assembly.



17. Connect blower fan connector to control assembly ④.

18. Install the sealing plug on control panel harness in previously drilled hole.

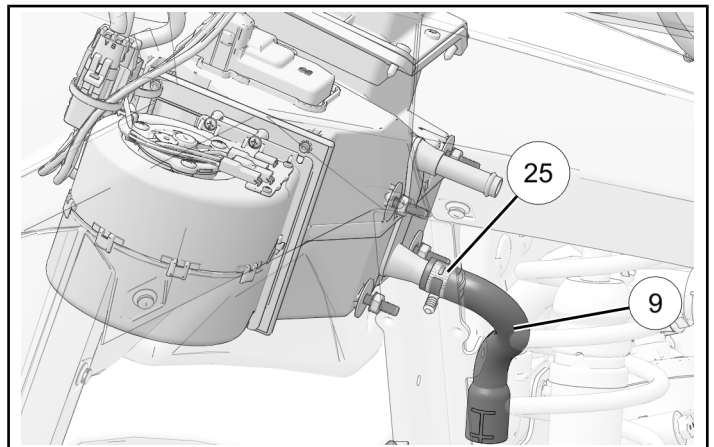
19. Connect extension harness ① to control panel harness ②.



20. Connect extension harness to pulse bar.

21. Secure extension harness to the panel.

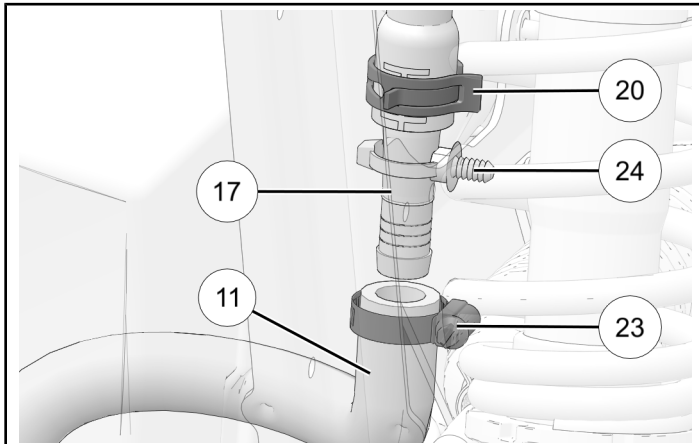
22. Connect the front heater hose ⑨ to the lower heater inlet. Retain with spring clamp ㉕.



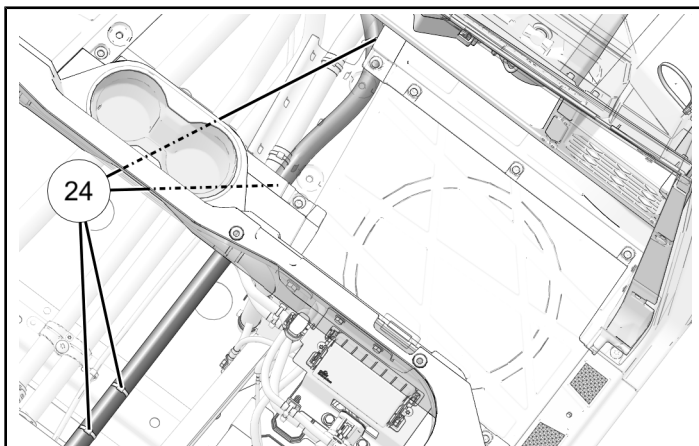
23. Install spring clamp ⑳, straight connector ㉑, tree clip ㉒, hose clamp ㉓ and long heater hose ㉔ to the front heater hose ⑨ installed in the previous step. Torque hose clamp to specification.

**TORQUE**

Hose Clamp ㉓:  
**35 (4 N·m)**



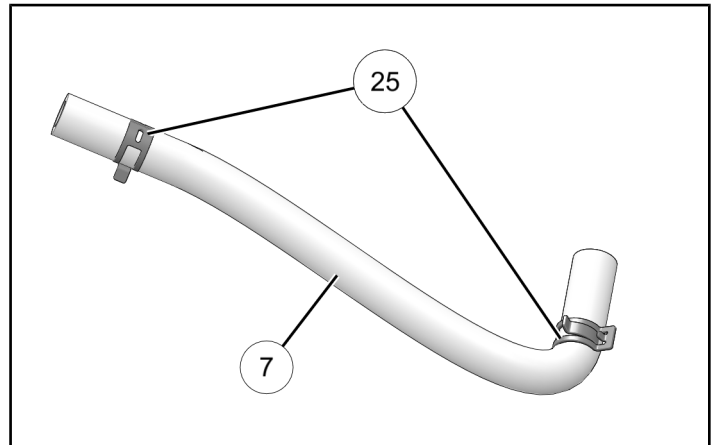
24. Route hose underneath floor and seat. Retain with tree clips ㉒.



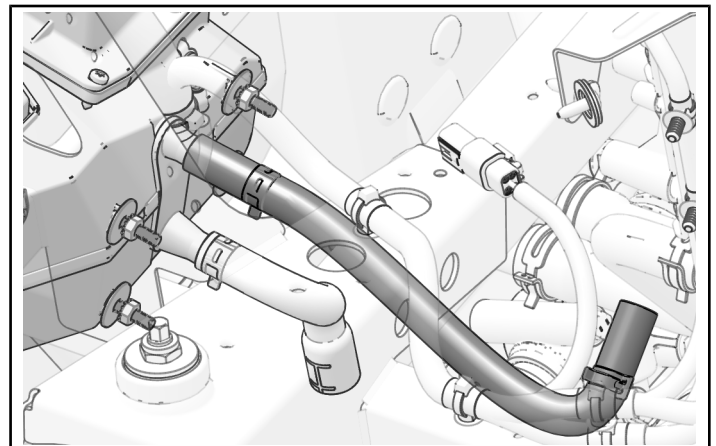
25. Install spring clamps ㉕ onto return hose ⑦. Slide spring clamps ㉕ a couple inches onto the ends of the hose as shown.

**NOTICE**

Actual hose shape may be different than image.  
Hose may need to be bent for installation.

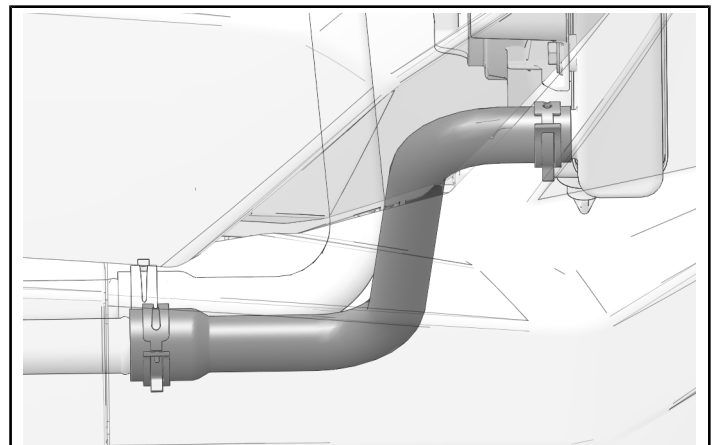


26. Install onto heater assembly. Do not clamp hose fitting at this time.



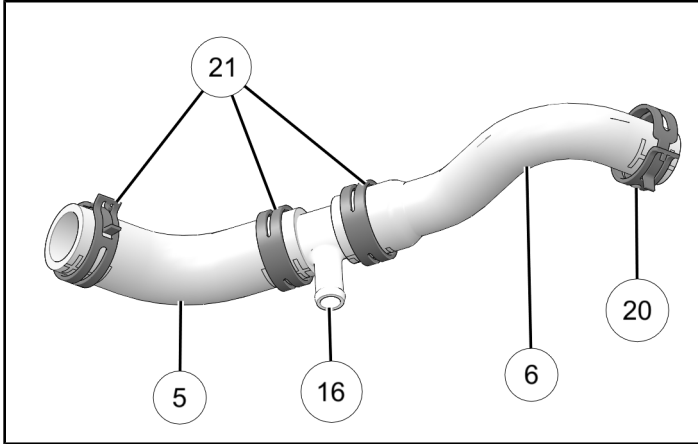
27. Place a drain pan under the lower radiator hose.

28. Remove the lower radiator hose and discard the hose but retain the clamps.

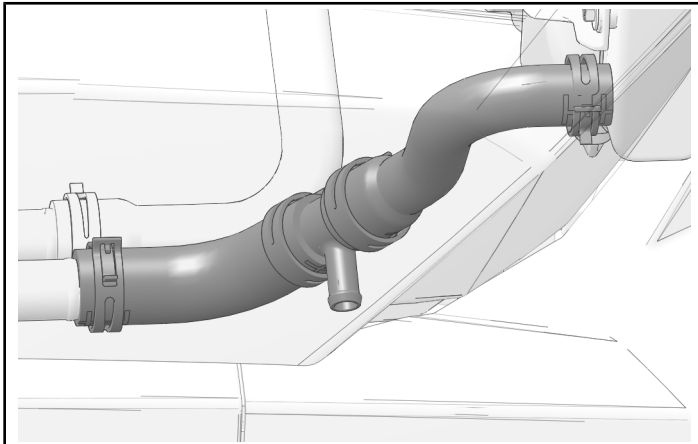




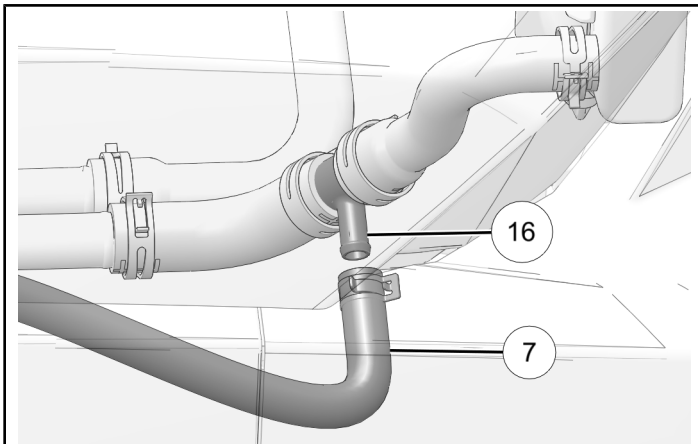
29. Assemble coolant hose ⑤, radiator hose ⑥, tee connector ⑩ and spring clamps ⑳ and ㉑ as shown.



30. Install the hose assembly to the radiator and the coolant hose as shown.



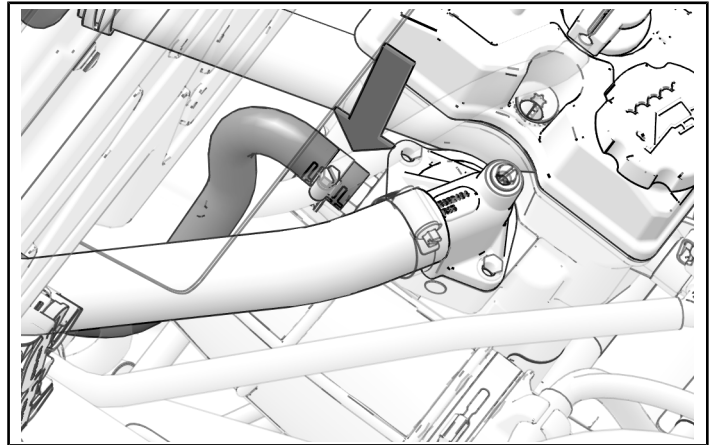
31. Install heater hose ⑦ to tee connector ⑩.



32. Open cargo box to access the engine.

33. Place drain pan under thermostat hoses.

34. Loosen hose clamp and remove bypass hose at the thermostat housing.

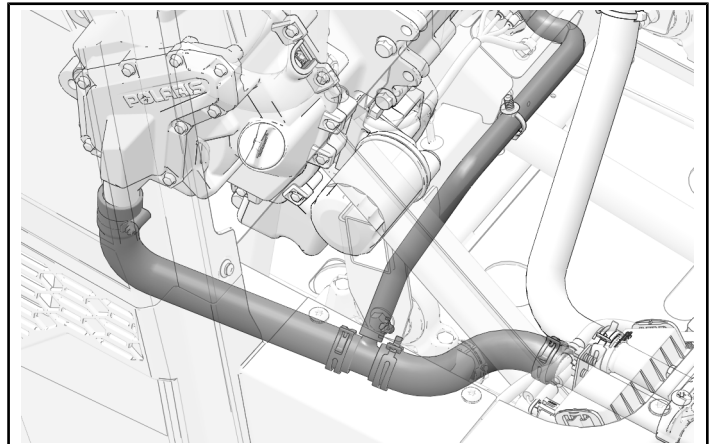


35. Place drain pan under water pump hosing and remove hose to allow coolant to drain.

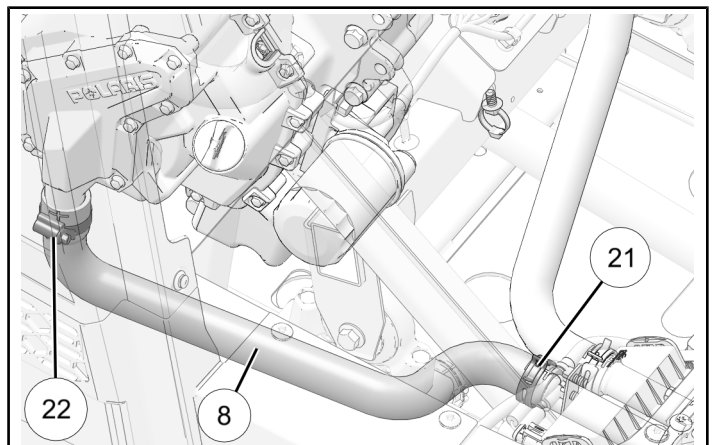
36. Disconnect coolant hose at the hard line under the seat and remove the hose assembly. Discard hoses.

**NOTICE**

Body hidden for clarity.

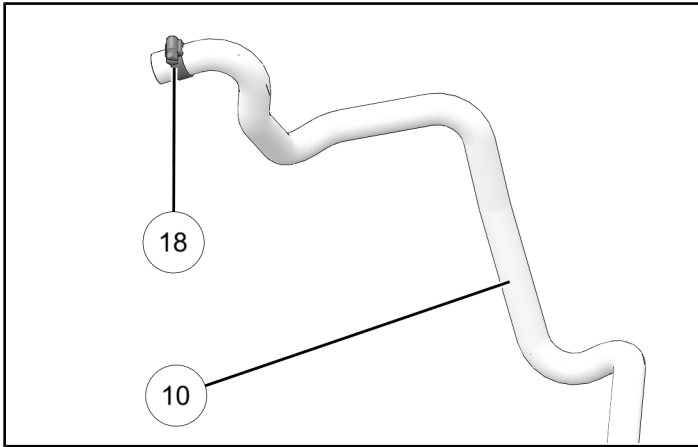


37. Install new engine inlet hose ⑧. Secure with new worm clamp ㉒ and spring clamp ㉑.





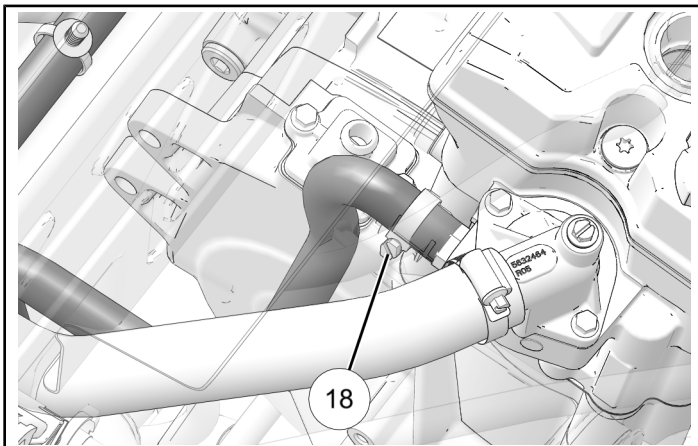
38. Assemble bypass hose ⑩ with new hose clamp ⑱.



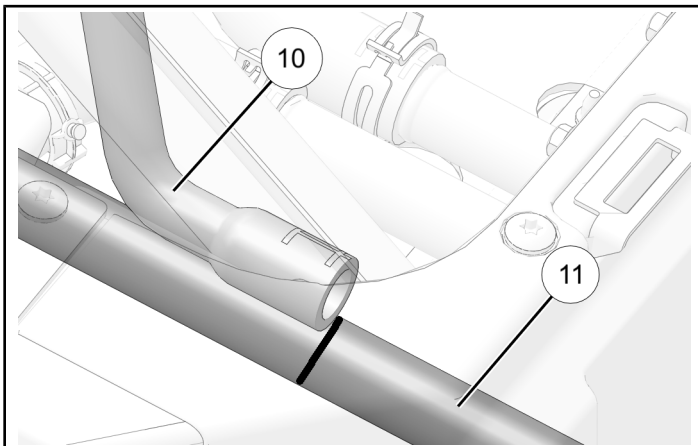
39. Install the hose assembly onto the thermostat housing. Tighten hose clamp ⑱ to specification.

#### TORQUE

Hose Clamp ⑱:  
35 (4 N·m)



40. Align the bypass hose ⑩ on top of the coolant hose ⑪. Mark the coolant hose with a marker.

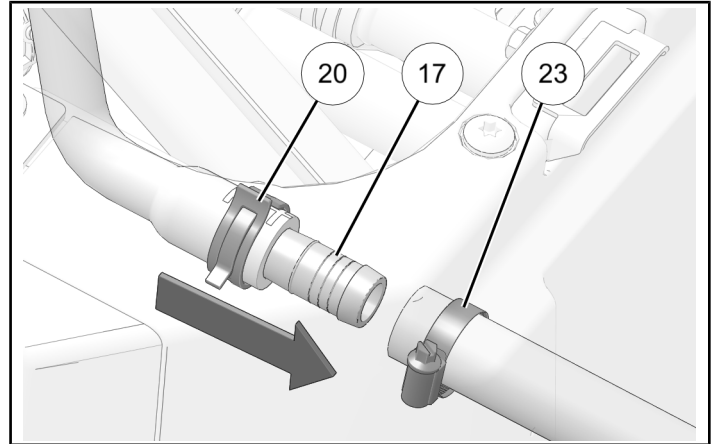


41. Cut the coolant hose all the way through at the mark.

42. Install straight connector ⑰ and spring clip ⑳ onto the bypass hose. Install worm clamp ㉓ onto coolant hose and insert straight connector. Torque clamp to specification.

#### TORQUE

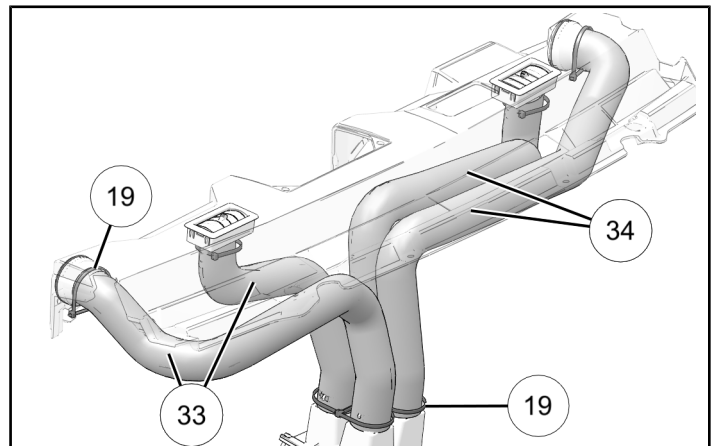
Hose Clamp ㉓:  
35 (4 N·m)



43. Proceed to the Cooling System Bleeding Procedure.

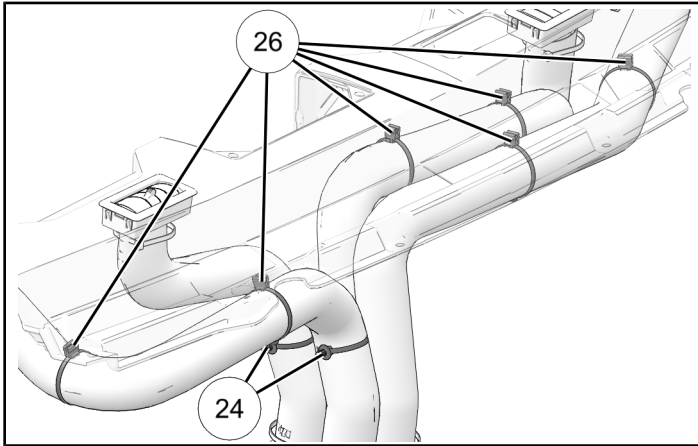
#### HEATER DUCT AND COVER INSTALLATION

1. Install shorter air ducts ㉓ on the passenger side air vents and heater assembly. Secure with cable ties ⑲.



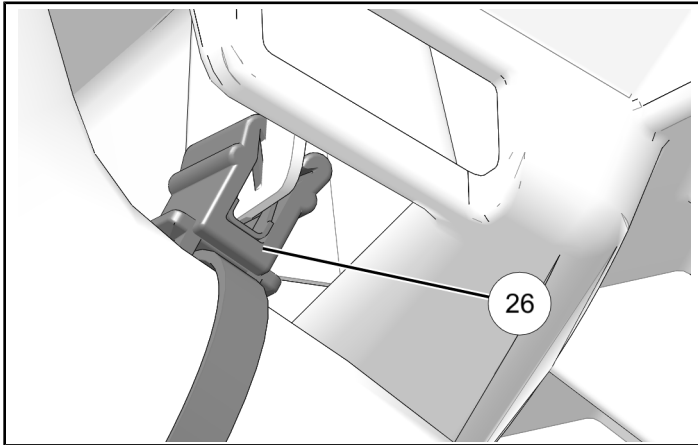
2. Install longer air ducts ㉔ on the driver's side air vents and heater assembly. Secure with cable ties ⑲.

3. Install tree clips ②④ and edge clips ②⑥ in the locations shown. Insert tree clips into nearby holes and secure edge clips to the dash panel.



#### NOTICE

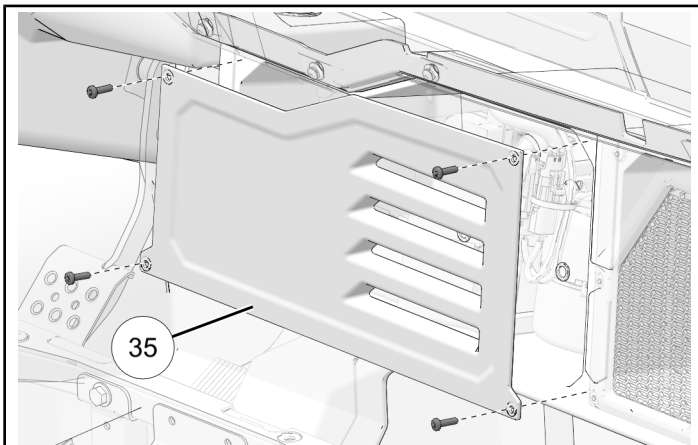
Example of edge clip ②⑥ properly installed to the dash.



4. Install heater cover ③⑤ to lower dash with four retained screws. Torque to specification.

#### TORQUE

Heater Cover Screws:  
**Tighten until fully seated**



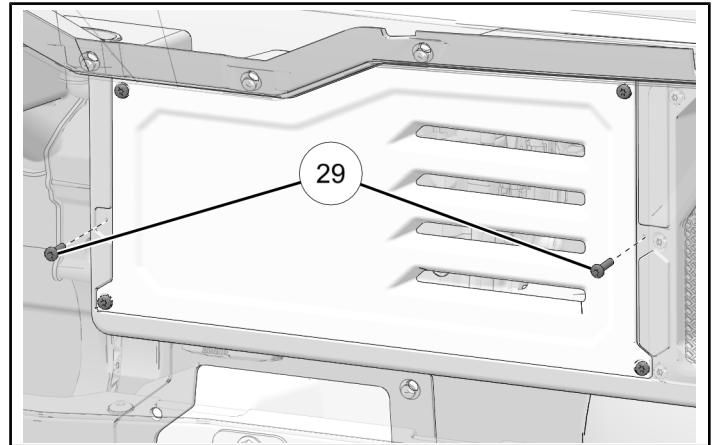
5. Install two new screws ②⑨ into upper dash to fill the void left from the previous net screws, as shown. Torque to specification.

#### NOTICE

Screws will not be used to hold the heater cover in place and are only used to cover the existing holes.

#### TORQUE

Dash Screws ②⑨:  
**Tighten until fully seated**



### COOLING SYSTEM BLEEDING PROCEDURE

#### ⚠ WARNING

Always wear safety glasses and proper shop clothing when performing the procedures in this manual. Failing to do so may lead to possible injury or death.

#### ⚠ CAUTION

Use caution when performing these procedures. Coolant may be hot and may cause severe injury or burns.

#### NOTICE

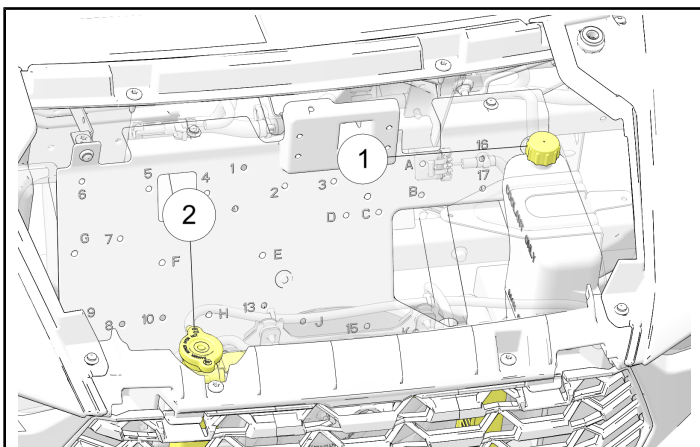
If the coolant level is LOW in the radiator, or if there are leaks in the system, the coolant system will not draw coolant from the reservoir tank. It may be necessary to safely raise the front of the vehicle 12" (30 cm) to bleed the cooling system.

1. Allow the engine and cooling system to completely cool.

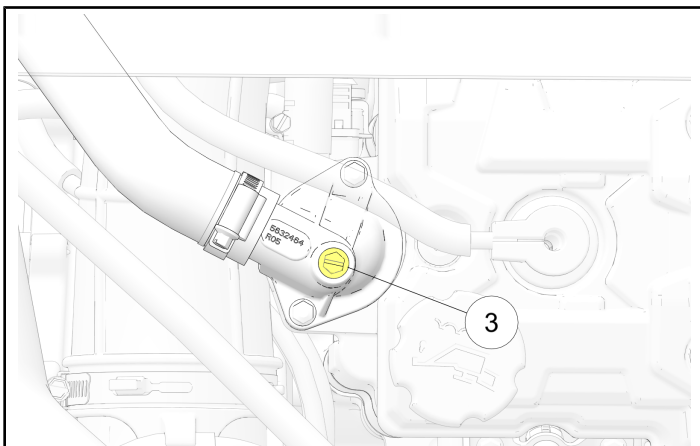
**CAUTION**

Make sure the engine has cooled and no pressure is built up in the cooling system before removing the radiator pressure cap. The coolant may be hot and could cause severe injury or burns.

2. Remove the center hood.
3. Remove the recovery bottle cap ① and fill the bottle to the MAX line.



4. Remove the radiator pressure cap ② and add the necessary amount of Polaris Premium Antifreeze to the radiator filler neck.
5. Tilt the rear cargo box to access the bleed screw that is on top of the thermostat housing.
6. Open the bleed screw ③ to allow any trapped air to escape.



7. Fill the radiator until a steady stream of coolant begins to drain out of the bleed screw.

8. Tighten the bleed screw to specification, top off coolant and properly install the radiator pressure cap.

**TORQUE**

Thermostat Cover Bleed Screw:  
**71 in-lbs (8 N·m)**

9. Start the engine and allow it to idle until the coolant fan has cycled.
10. Allow the engine and cooling system to completely cool down (see CAUTION).
11. Remove the radiator pressure cap. Add the necessary amount of Polaris Premium Antifreeze to the radiator filler neck.
12. Open the bleed screw to allow any trapped air to escape. Close the bleed screw once a steady stream of coolant begins to drain out.
13. Tighten the bleed screw to specification, top off coolant and properly install the radiator pressure cap.

**TORQUE**

Thermostat Cover Bleed Screw:  
**71 in-lbs (8 N·m)**

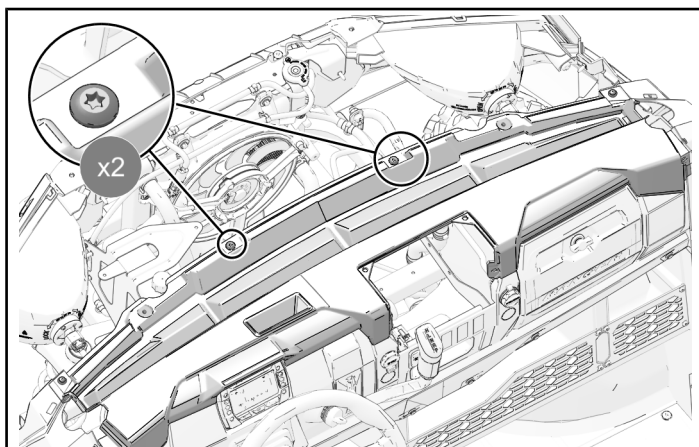
14. Fill the recovery bottle to the MAX line.
15. Install the center hood.
16. Tilt the rear cargo box to the closed position.

**VEHICLE REASSEMBLY**

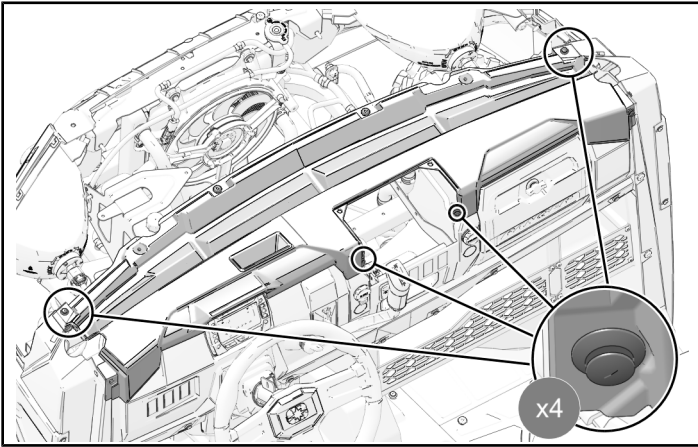
**UPPER DASH INSTALLATION**

1. Loosely install upper dash with two retained screws.

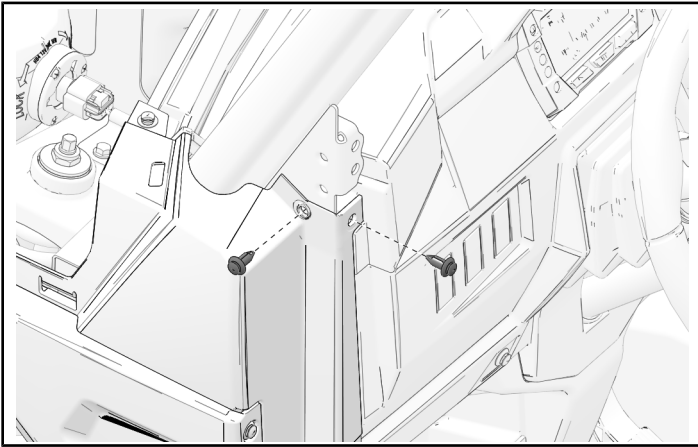
Do not torque screws at this time.



2. Install upper dash with four retained push-pin rivets, as shown.



3. Install front frame panel with two retained push-pin rivets.



4. Install front frame panel with two retained screws. Torque to specification.

**TORQUE**

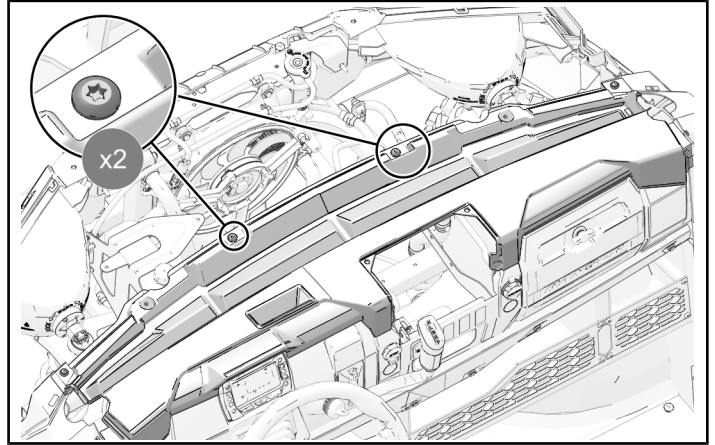
Front Panel Screws:  
**44 in-lbs (5.0 N·m)**



5. Torque two upper dash screws to specification.

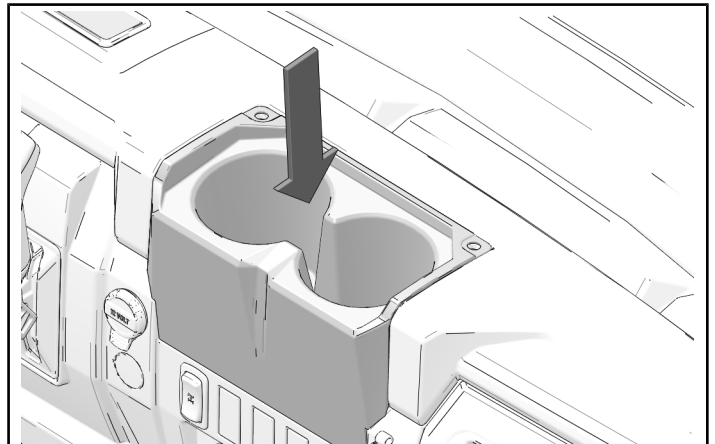
**TORQUE**

Upper Dash Screws:  
**44 in-lbs (5.0 N·m)**

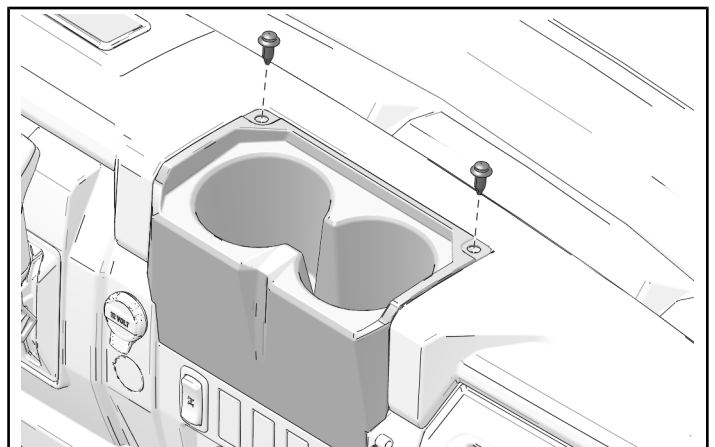


**CUP HOLDER INSTALLATION**

1. Put cup holder in vehicle.



2. Install cup holder with two retained push-pin rivets.

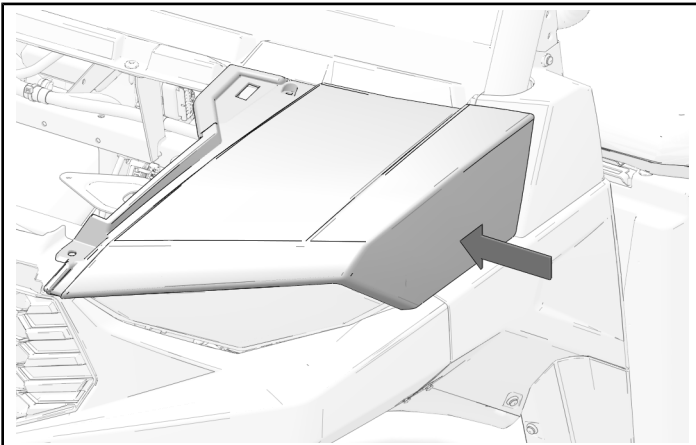


## OUTER HOOD INSTALLATION

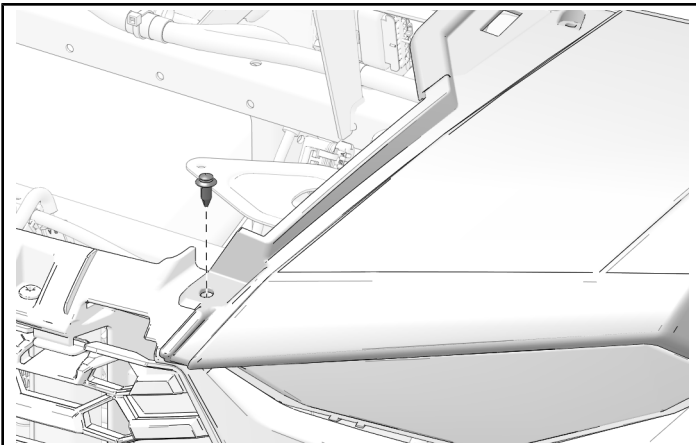
### NOTICE

Left side shown; right side similar.

1. Put outer hood in installed position.



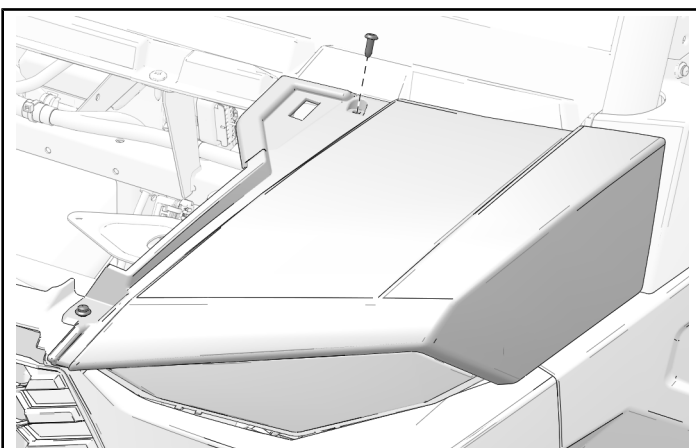
2. Attach front of outer hood with one push-pin rivet.



3. Attach rear of outer hood with one retained screw. Torque outer hood screws to specification.

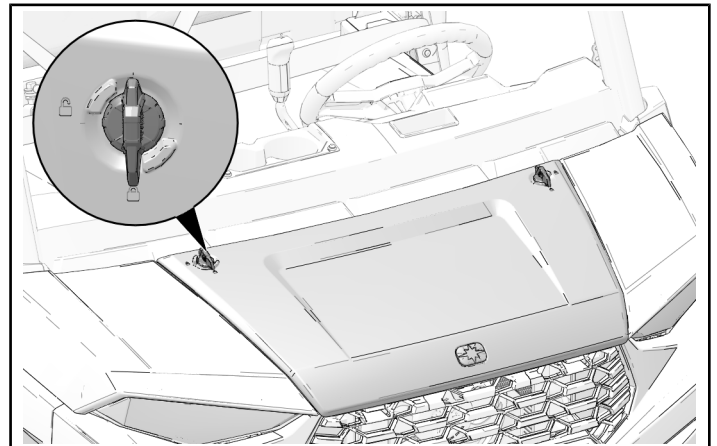
### TORQUE

Outer Hood Screw:  
**22 in-lbs (2.5 N·m)**



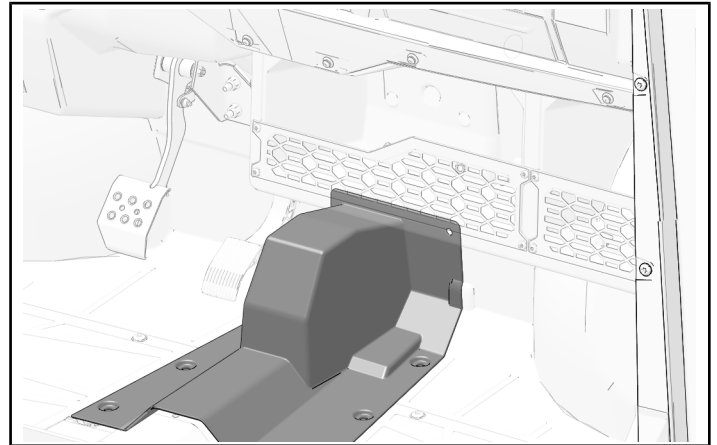
## HOOD INSTALLATION

1. Align hood with vehicle and turn two quarter-turn fasteners to lock position to install hood.

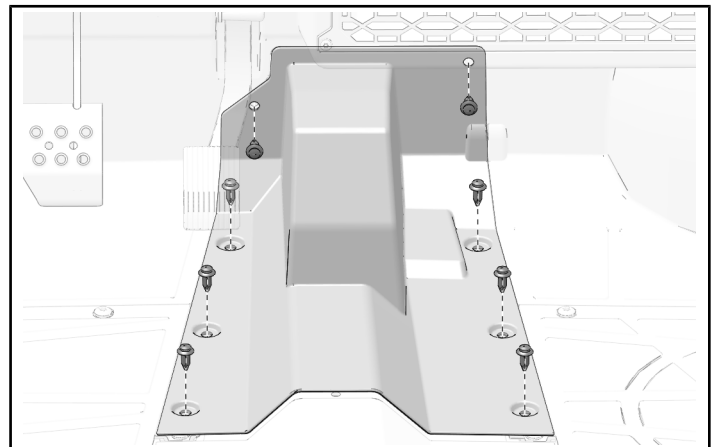


## TUNNEL COVER INSTALLATION

1. Put tunnel cover in vehicle.



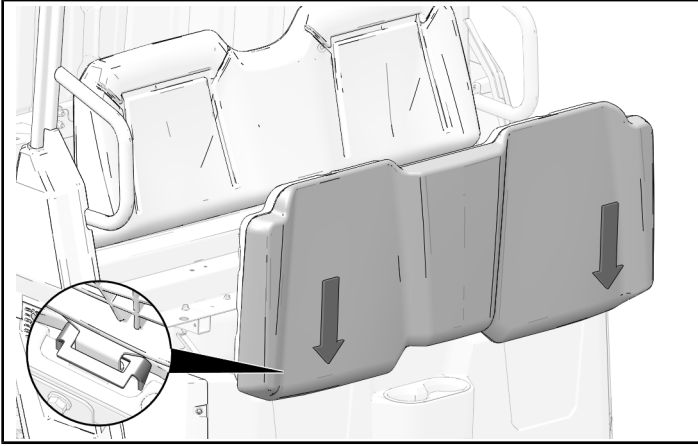
2. Install tunnel cover with six retained push-pin rivets.



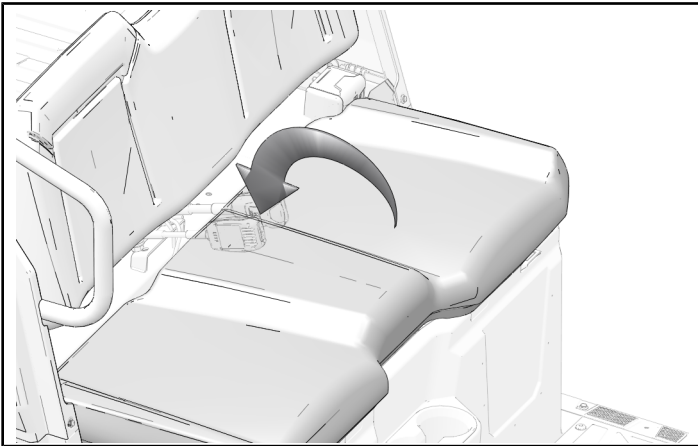


## SEAT INSTALLATION

1. Align tabs of seat with hinge brackets.



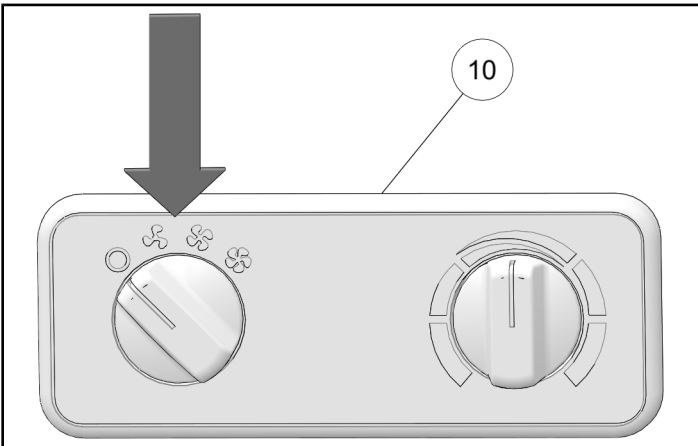
2. Rotate seat to closed position.



## OPERATION

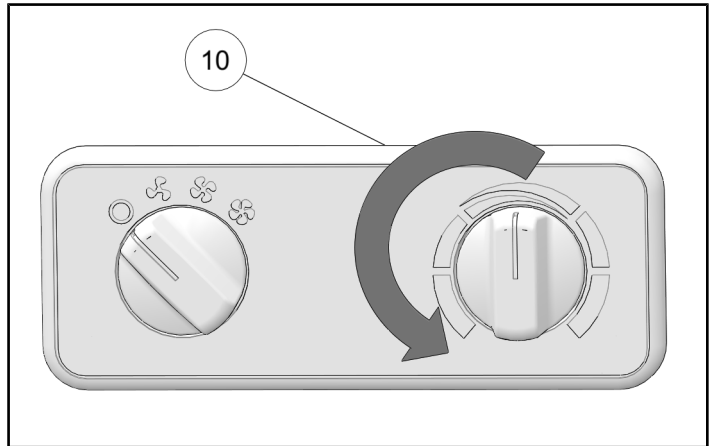
### FAN SETTINGS

1. Use LH dial on heater control panel ⑩ to turn heater OFF/ON.
2. Use LH dial to change fan speed.

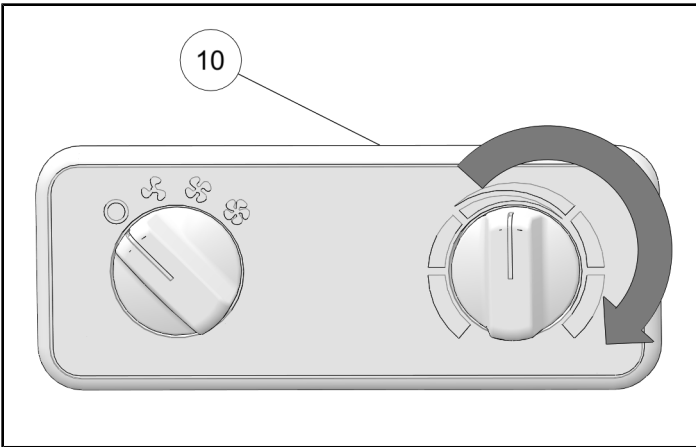


### TEMPERATURE SETTINGS

1. Use RH dial on heater control panel ⑩ to control temperature settings.
2. Turn dial to left for ambient air temperature.



3. Turn dial to right for heated air.



### INSTRUCTION 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.

