

# CAB HEATER KIT



P/N 2879967

## APPLICATION

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

## BEFORE YOU BEGIN

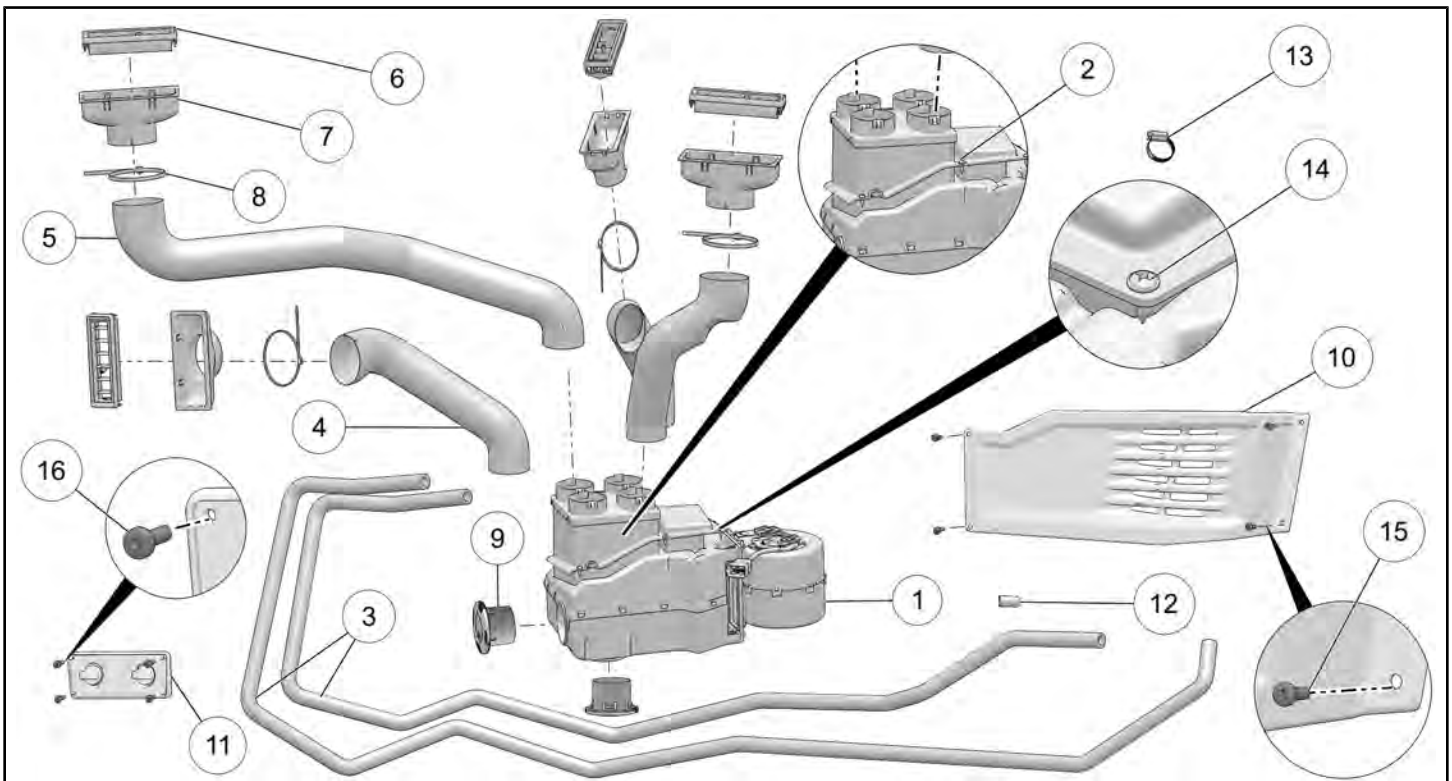
Read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

## REQUIRED SOLD SEPARATELY

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

- *Battery Connection Cable, 2–Seat Models, P/N 2879990*
- *Battery Connection Cable, Crew Models, P/N 2880929*

## KIT CONTENTS



REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY	AVAILABLE SERVICE KIT
1	1	Heater System	n/a	2205604
2	1	Cap, Heater	n/a	2205604
3	2	Hose, 1/2 inch Heater, High Temperature	5412724–275	n/a
4	3	Duct-Air, Heater, Short	8360138	n/a
5	1	Duct-Air, Heater, Long	8360139	n/a

REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY	AVAILABLE SERVICE KIT
6	4	Vent Assembly	n/a	n/a
6.1	4	- Vent-Rectangle	3120456	n/a
6.2	4	- Vent- Adapter	8360140	n/a
7	4	Cable Tie, 11 inch	7080492	n/a
8	2	Louver, Duct, Round	n/a	2205604
9	1	Cover-Heater, Cab	5451393	n/a
10	1	Assembly-Control Panel, Heater	2635424	n/a
11	1	Butt Splice, XP	n/a	2205073
12	4	Hose Clamp, Worm Gear	n/a	2205073
13	6	Screw, #6-32 x 1/2	n/a	2205560
14	4	Screw, #10 x 3/4	n/a	2205560
15	4	Screw, #6 x 3/4	n/a	2205560

## TOOLS REQUIRED

- Safety Glasses
- Cutting Tool
- Deburring Tool
- Drill
- Drill Bit:
  - 5/16 inch
  - 13/64 inch
- Hole Saw:
  - 2 inch
  - 1 1/16 inch
- Pliers, Hose Pinch Off (Quantity 3)
- Pliers, Push Pin Rivet
- Scissors
- Socket Set, Torx® Bit
- Torque Wrench
- Wrench Set, Metric

## CONSUMABLES REQUIRED

- Antifreeze, POLARIS 50/50 Premix, 2-4 quarts
- Tape, Masking

## IMPORTANT

Your Cab 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. Shift vehicle into **PARK**. Turn ignition switch to **OFF** position and remove key.
2. Remove bench seat and storage compartment (if installed).

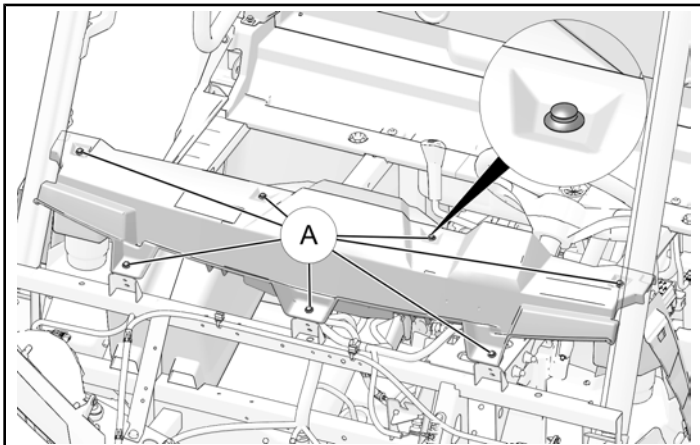
3. Disconnect black negative (-) cable from battery.

 <b>WARNING</b>
Black negative (-) cable <b>MUST</b> be disconnected from battery terminal. Failure to disconnect cable may result in electrical arc when installing connections at terminal block. Death or serious injury, or damage to vehicle or accessory, may occur.

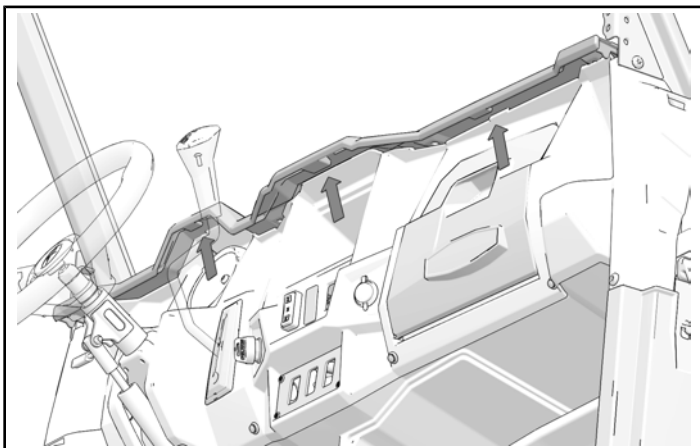
4. Open or remove hood.

## REMOVE UPPER DASH PANEL

1. If windshield is installed, then open or remove it as required to gain access to upper dash.
2. Remove and retain seven push pin rivets (A).

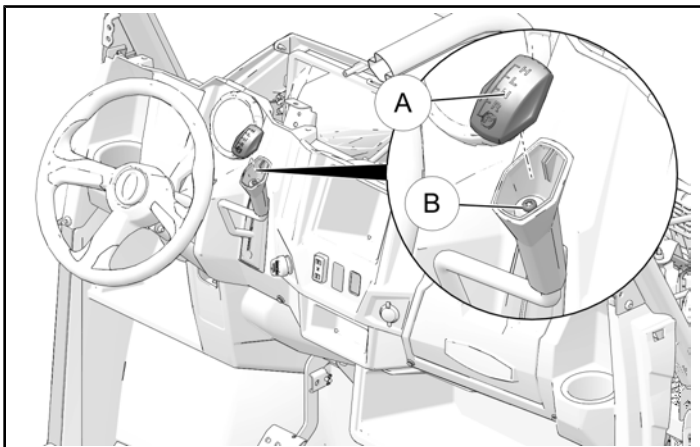


3. Lift front of upper dash, then slide dash rearward to detach three tabs. Set upper dash aside.

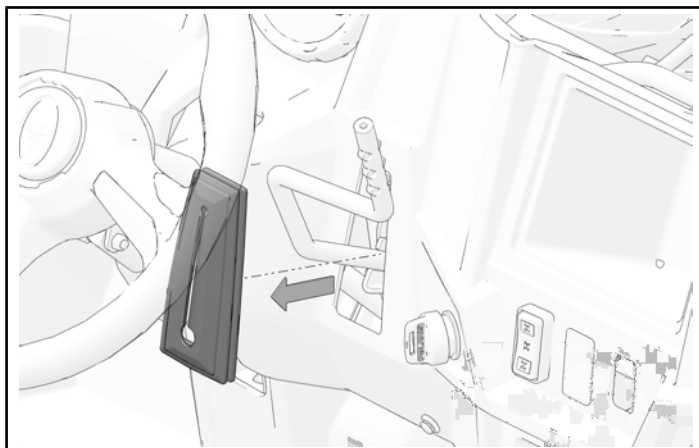


## REMOVE MAIN DASH PANEL

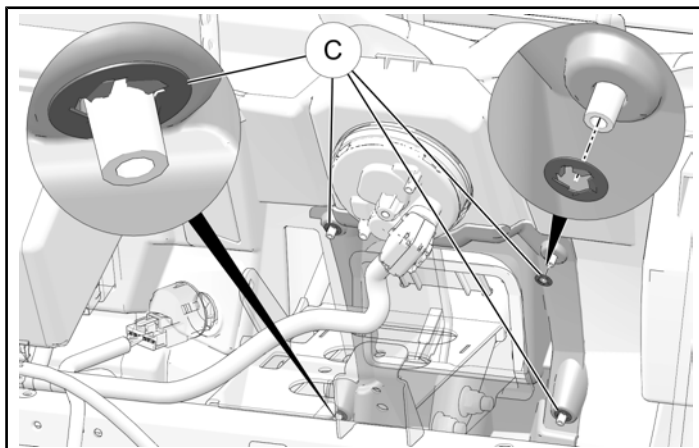
1. Carefully pry cap (A) from top of handle. Remove and retain screw (B), then slide handle off shift rod.



2. Remove and retain shift rod boot from main dash panel.

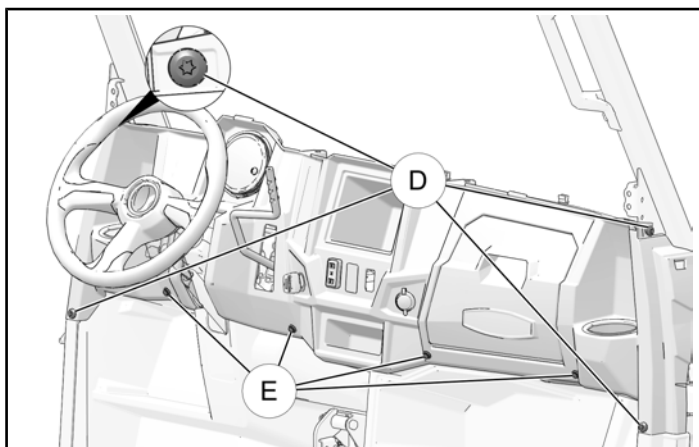


3. Remove and retain four push nuts (C) to detach steering boot from main dash panel.



4. Label and disconnect electrical harnesses from instrument cluster, and any other switches, sockets, or devices mounted to dash panel.

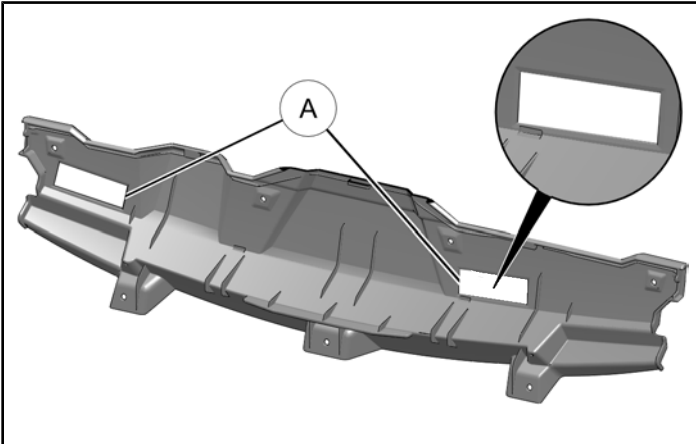
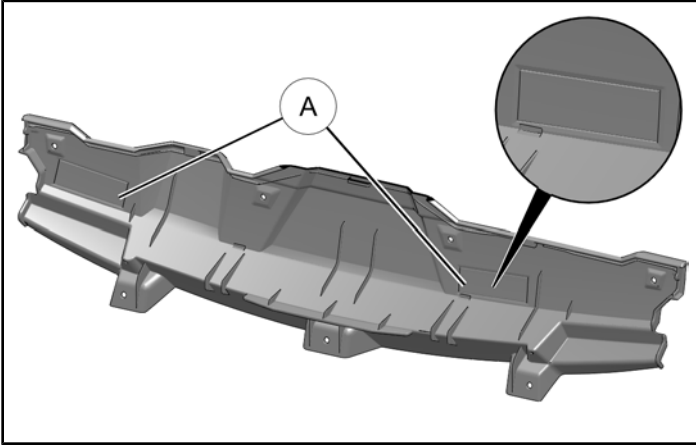
5. Remove and retain four screws (D) and four push pin rivets (E), then remove main dash panel.



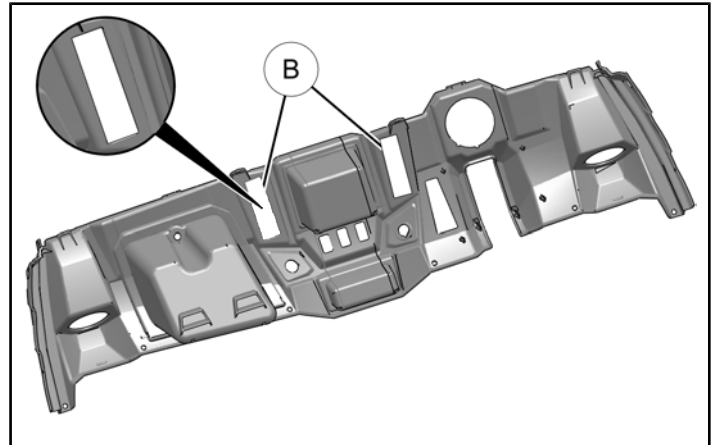
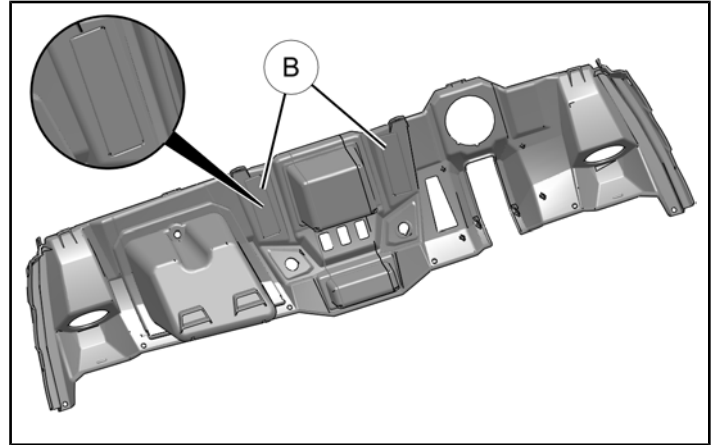
## ACCESSORY INSTALLATION

### DASH CUTOUTS

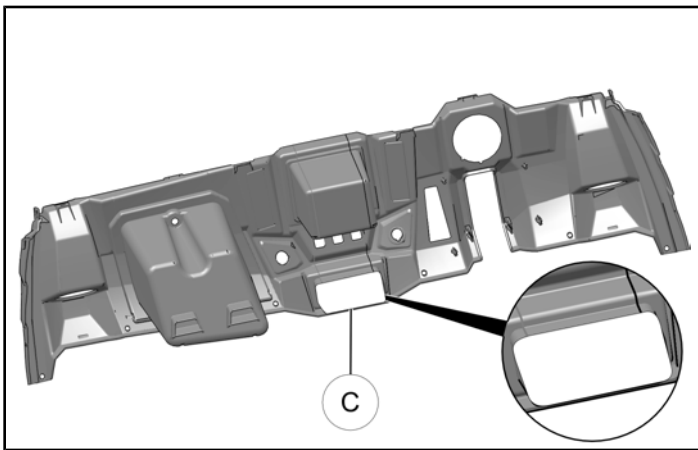
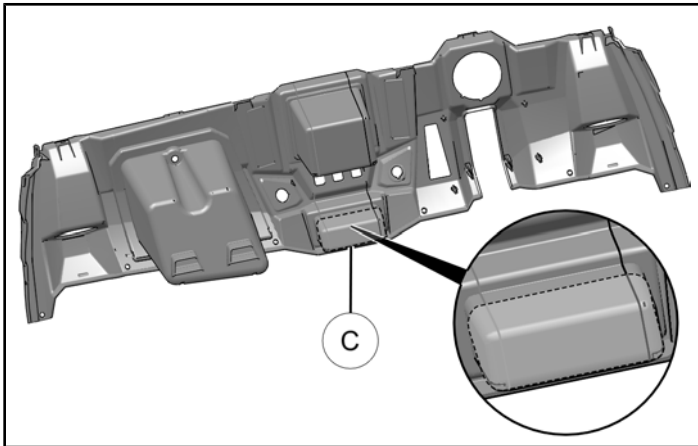
1. Cut out vent openings (A) along score lines located on the backside of upper dash.



2. Cut out vent openings (B) along score lines located on the backside of main dash.



- Cut out back of heater control panel location (C). Cut molded plastic compartment off, leaving 0.5 inch of molded plastic still attached to backside of main dash.



### PREPARE TEMPLATES

- Detach each template page located at end of instructions.
- Locate REFERENCE DIMENSION on each template page.

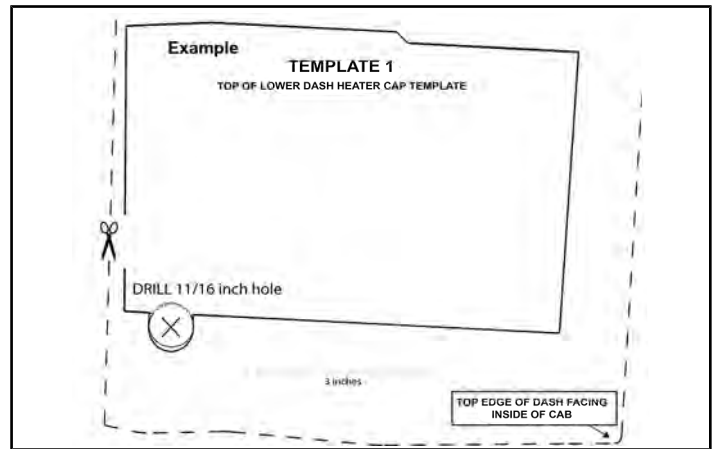
Verify each REFERENCE DIMENSION is exact and template was properly printed to scale.

#### IMPORTANT

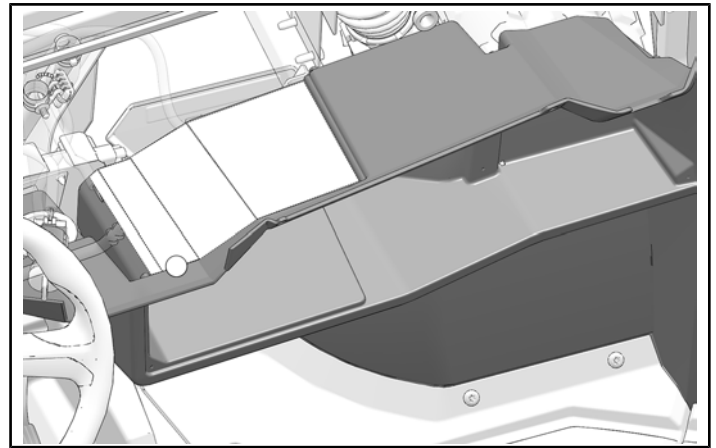
If REFERENCE DIMENSION is not exact, reprint template pages from electronic file. Adjust print setting to **“Actual Size”** to obtain 1:1 scale. Electronic file available on website or from your **Authorized Polaris® Dealer.**

- Cut out templates along outer border.
- Align each template in its specified location on the lower dash. Use tape to hold template in place.

### TEMPLATE 1 EXAMPLE

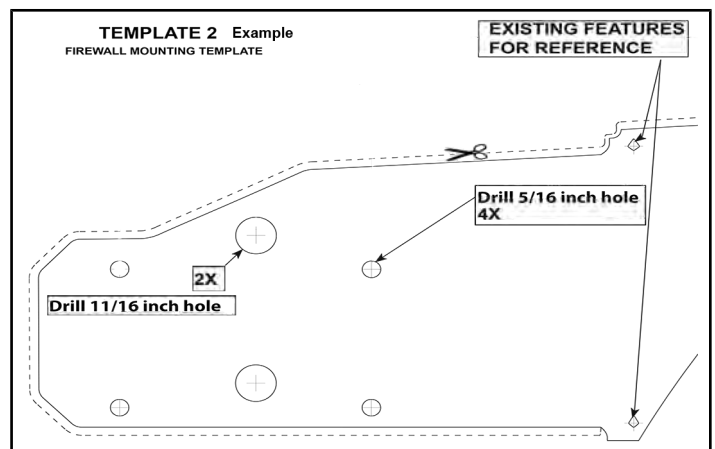


- Tape Template 1 to outside top of lower dash.

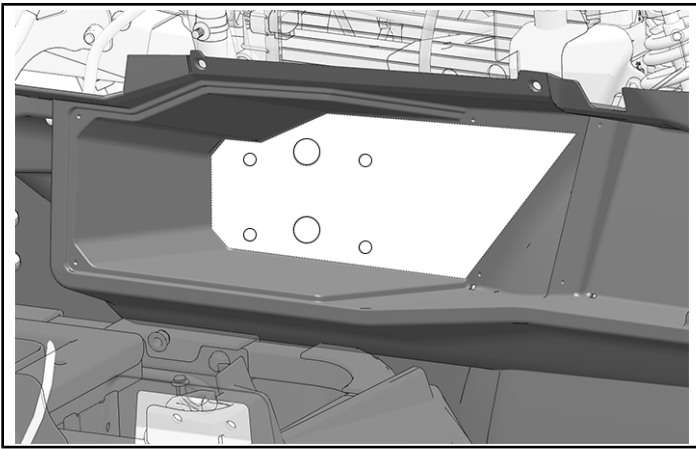


- Cut opening along template lines.
- Drill hole for routing electrical harness.
- Remove and discard used template.

### TEMPLATE 2 EXAMPLE

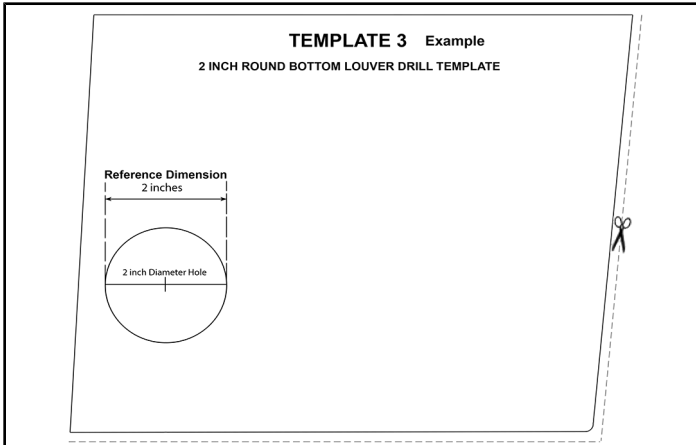


1. Tape Template 2 to inside back of lower dash.

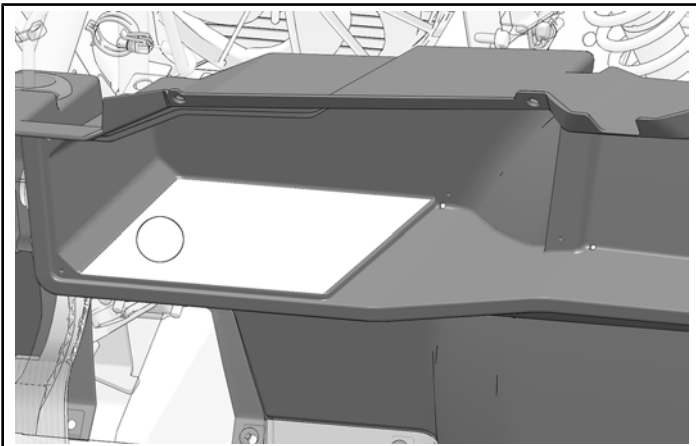


2. Drill heater mounting holes and hose connection holes in designated locations.
3. Remove and discard used template.

### TEMPLATE 3 EXAMPLE



1. Tape Template 3 to bottom inside of lower dash.



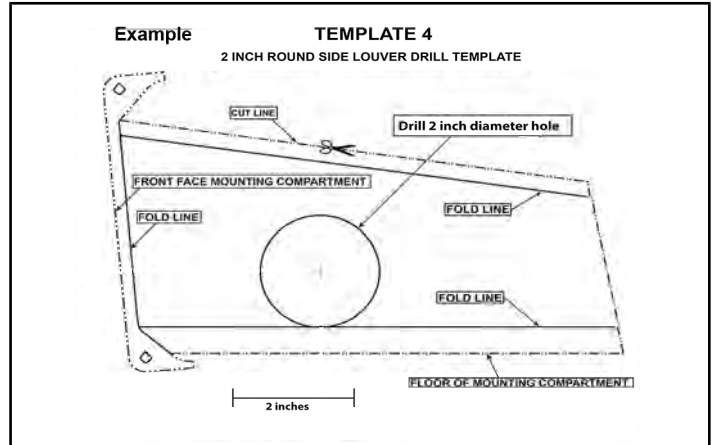
2. Drill hole through bottom of dash.

### IMPORTANT

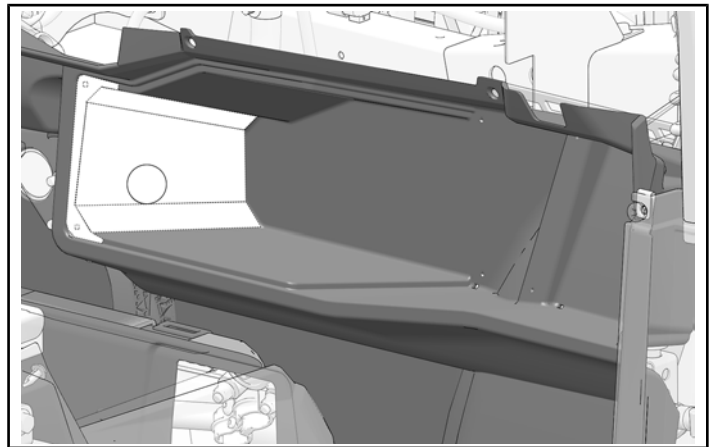
Dash is dual walled. Drill hole at an angle through **BOTH** surfaces of dash. Ensure each hole is drilled at an angle that allows for louvered duct to fit properly through both surfaces.

3. Remove and discard used template.

### TEMPLATE 4 EXAMPLE



1. Tape Template 4 to inner side of lower dash.



2. Drill hole through side of lower dash.

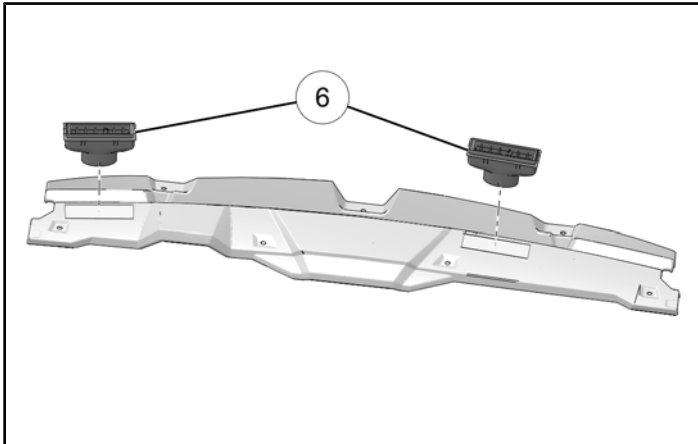
### IMPORTANT

Dash is dual walled. Drill hole at an angle through **BOTH** surfaces of dash. Ensure each hole is drilled at an angle that allows for louvered duct to fit properly through both surfaces.

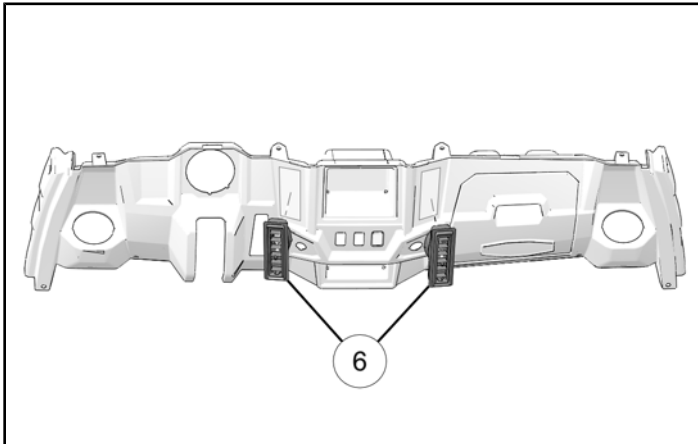
3. Remove and discard used template.

## INSTALL VENTS, HEATER, AND DUCTS

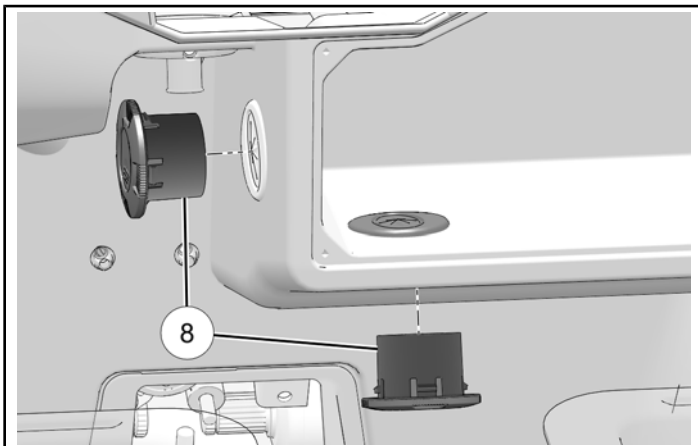
1. Insert vent assembly ⑥ into vent cutouts on upper dash. Set upper dash aside.



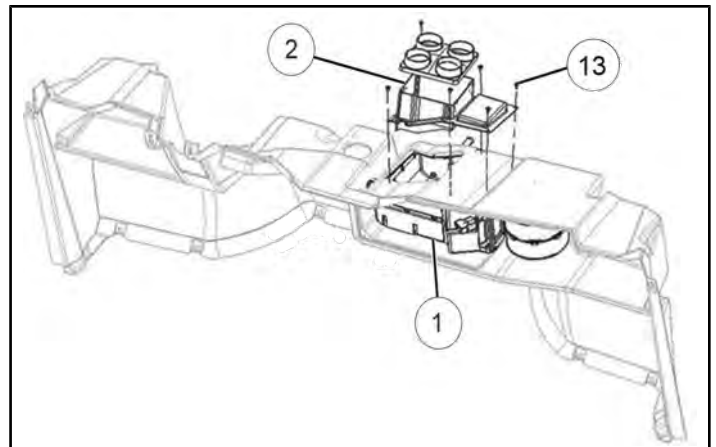
2. Insert vent assembly ⑥ into vent cutouts on main dash. Set main dash aside.



3. Install round louvered ducts ⑧ into bottom and side of lower dash.



4. Remove screws ⑬ and top cap ② from heater ①.



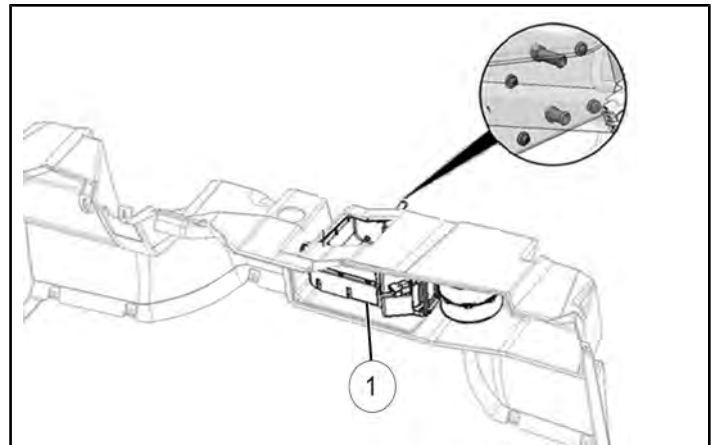
5. Install rubber bushings onto heater bolts.

### TIP

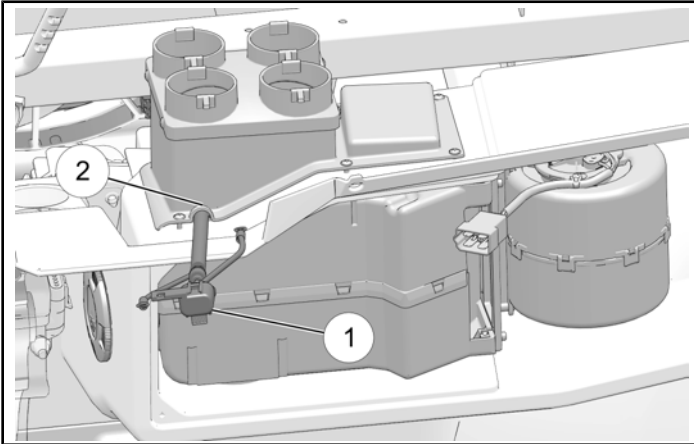
Rubber bushings are used to hold heater system snug against lower dash. Multiple bushings may be used on each bolt to match angle of dash and hold heater system in place.

6. Slide heater system ① into place and route mounting bolts and hose connections through drilled holes.

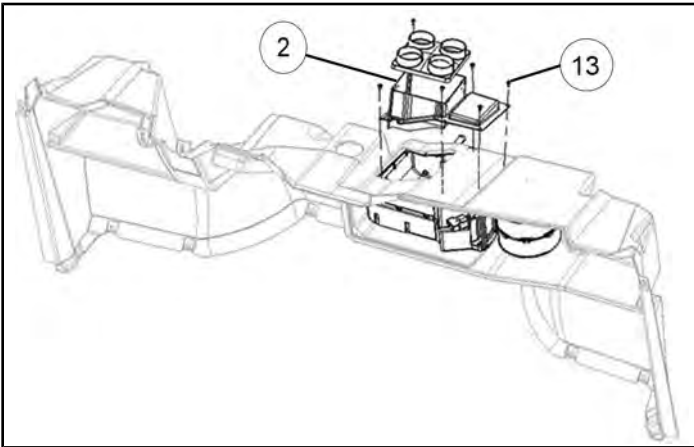
7. Install nuts and tighten until fully seated.



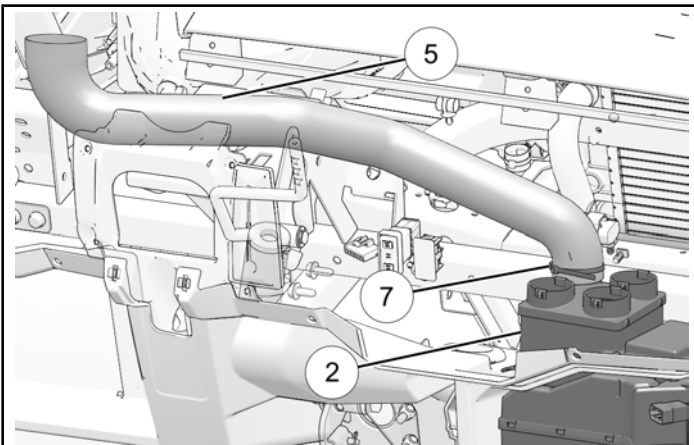
- Thread electrical connections ① through top hole on lower dash and molded opening on heater cap ②. Route towards electrical bus and heater control connector.



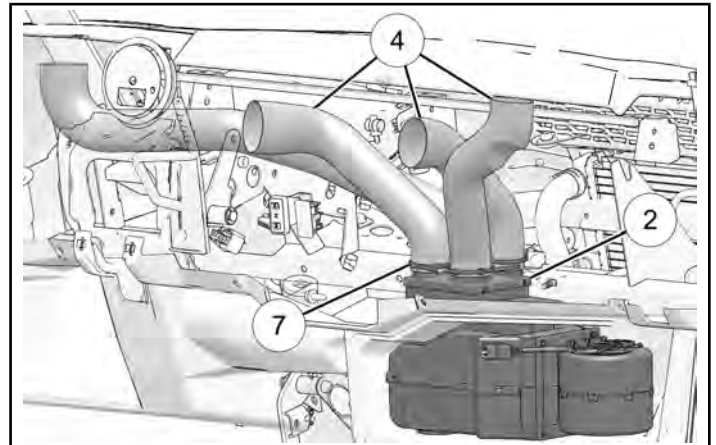
- Install heater cap ② over dash cutout. Tighten screws ⑬ until fully seated.



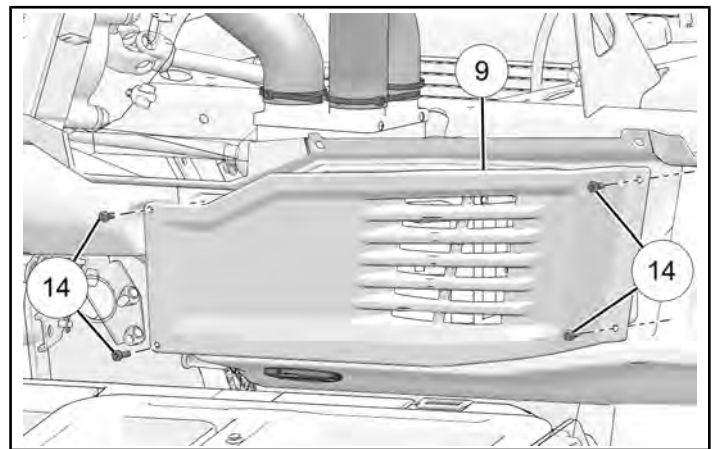
- From inside vehicle, attach long duct ⑤ to back left position on heater cap ②. Secure with cable tie ⑦.



- Attach short ducts ④ to heater cap ②. Secure with cable tie ⑦.



- Install heater cover ⑨ to lower dash. Tighten screws ⑭ until fully seated.

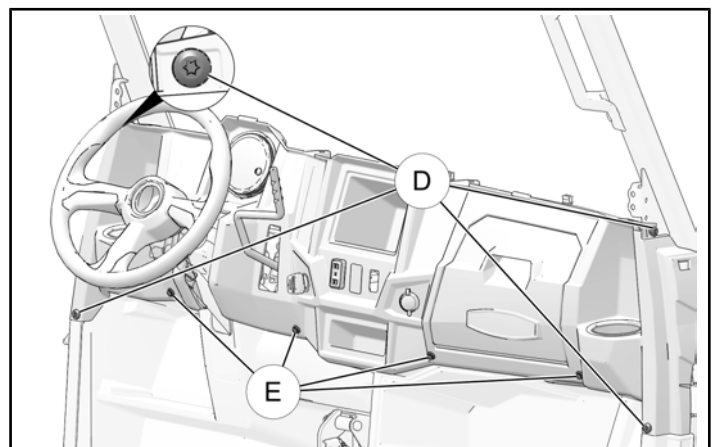


### INSTALL MAIN DASH

- Install and secure main dash with retained screws ① and push rivets ②. Torque screws to specification.

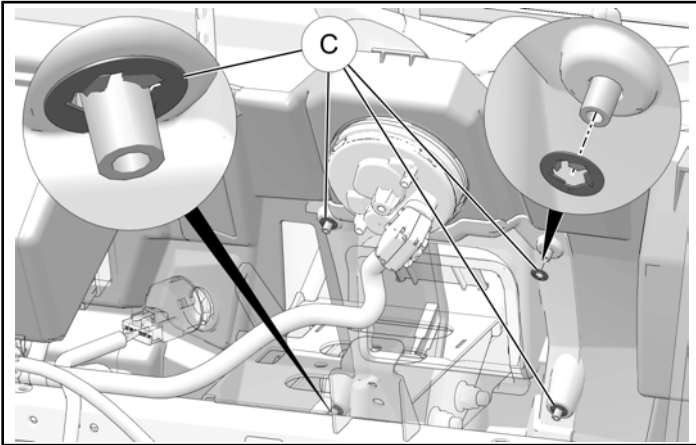
#### TORQUE

Torx Head Screw ①:  
**96 in-lbs (11 N·m)**

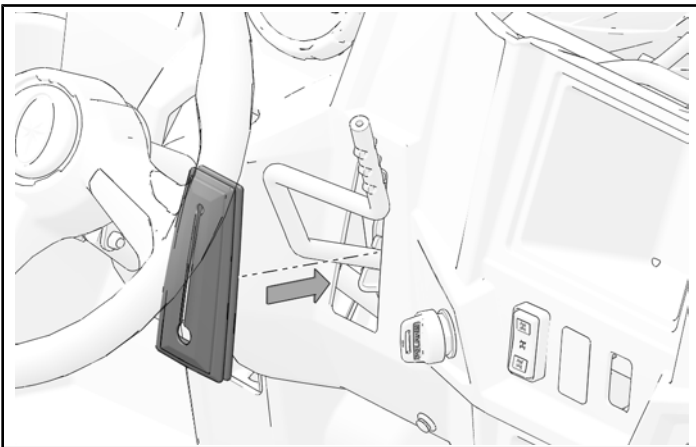




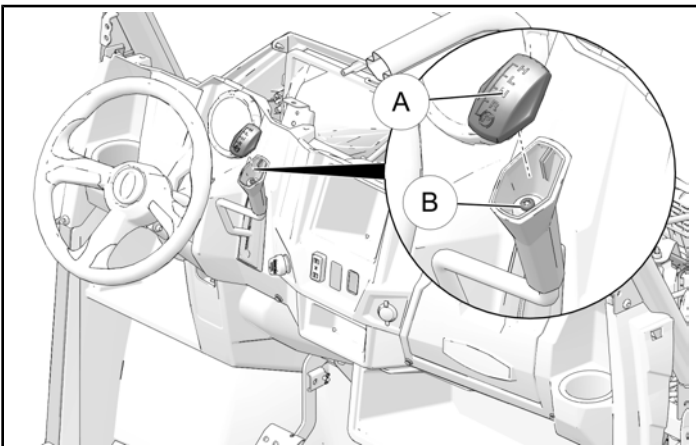
2. Secure steering grommet to dash with retained star washers (C).



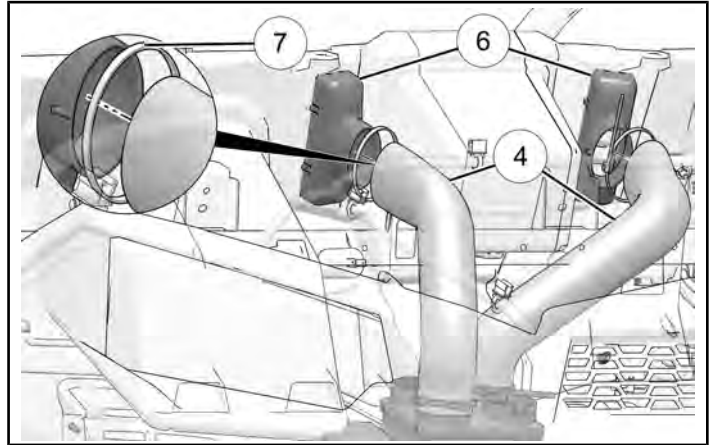
3. Reinstall shift rod boot.



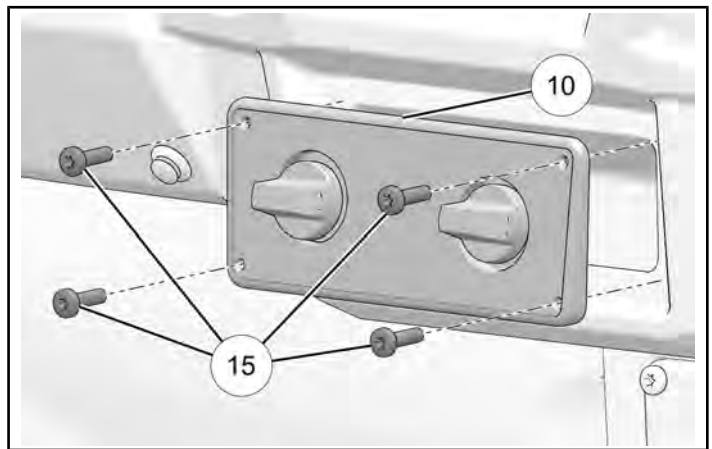
4. Reinstall shift rod handle. Secure shift rod handle to shift rod with retained screw (B). Tighten screw until fully seated. Carefully snap shift rod cap (A) onto shift rod handle.



5. Secure short ducts (4) to vent assembly (6) with cable ties (7).



6. Install heater control panel (10) to main dash with screws (15). Tighten screws until fully seated.



### INSTALL COOLANT HOSES TO HEATER

#### ⚠ CAUTION

Hoses can become damaged when located near moving parts (such as drive shaft) or extreme heat. Ensure all hoses are installed away from damaging elements. Failure to install hoses away from moving parts or extreme heat could result in damage to hose, causing coolant leaks, which can result in vehicle overheating and damage to engine.

#### TIP

Use cable ties to secure coolant hoses away from moving parts or heat.

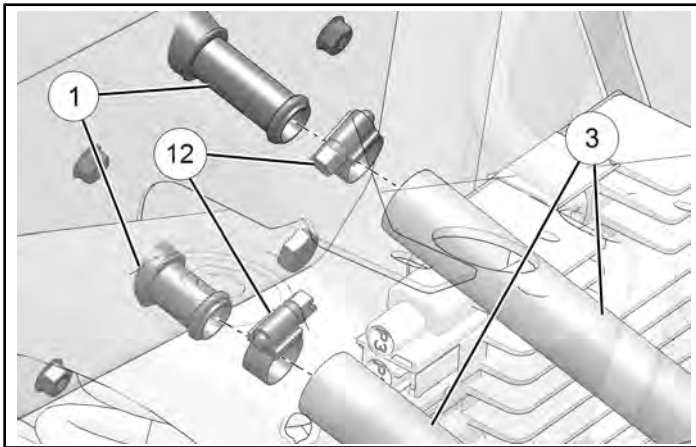
1. Connect coolant hoses ③ to back of heater assembly ①. Secure with hose clamps ⑫. Torque to specification.

#### TORQUE

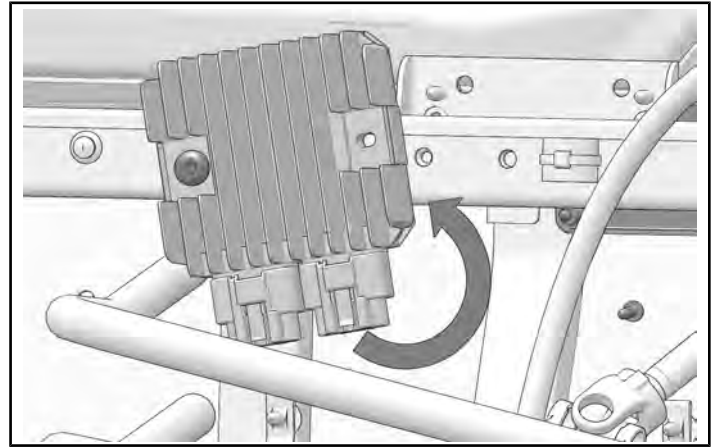
Worm Gear Clamp ⑫:  
36 in-lbs (49 N·m)

#### TIP

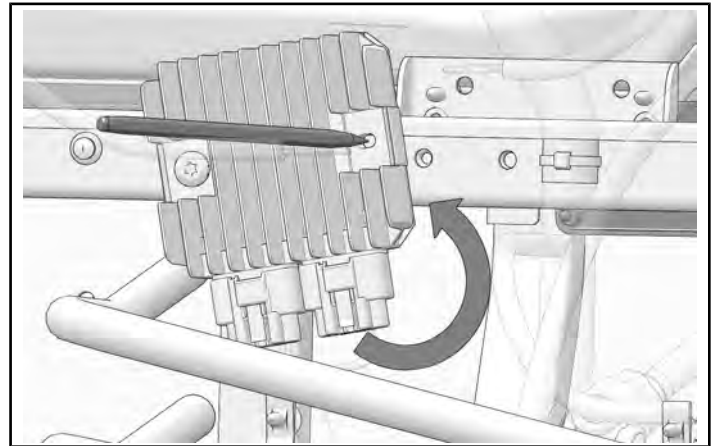
Loop extra hose to prevent kinks or cut to fit.



4. Pivot regulator counterclockwise approximately 0.5 inches above existing hole on RH side.



5. Use hole on regulator as a template and mark hole with marking tool.



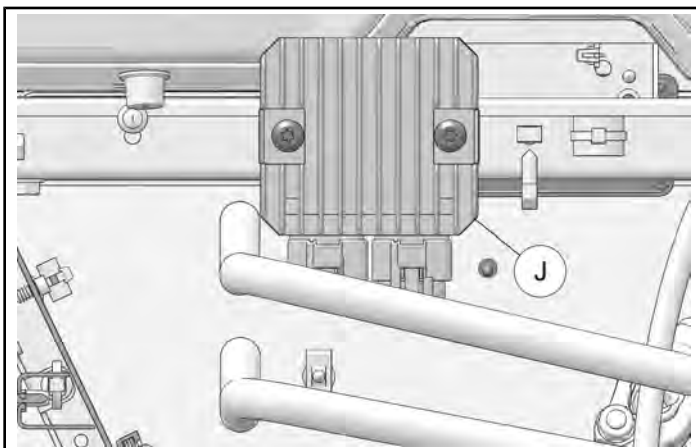
### REGULATOR RELOCATION

1. If regulator ① interferes with hose routing, pivot regulator away from hoses.

#### ⚠ CAUTION

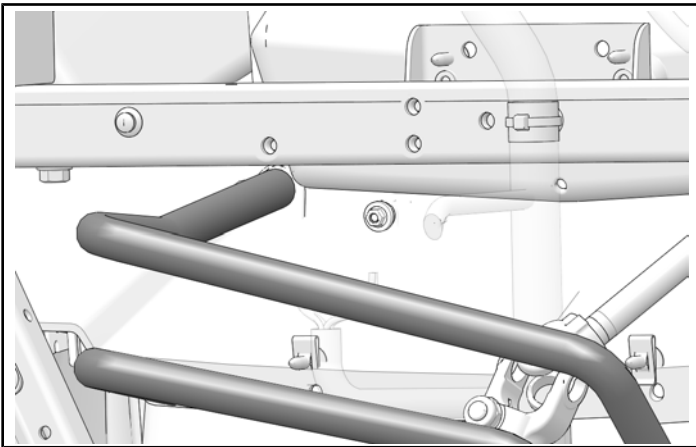
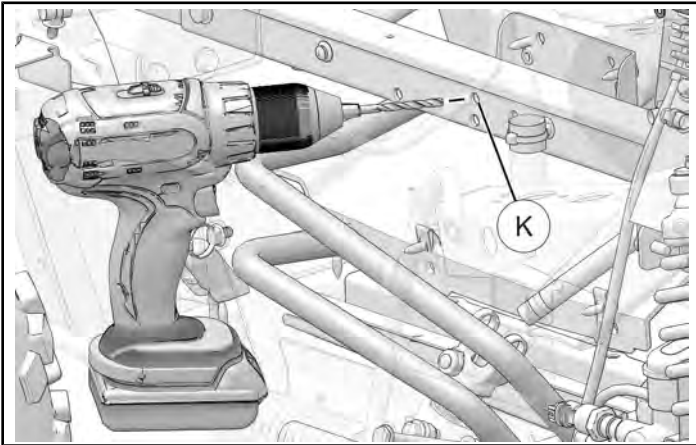
Constant contact with metal edges and heat of regulator could result in damage to hose, causing leaks, which can result in vehicle overheating and damage to engine.

6. Remove and retain LH side screw and regulator.



2. Loosen LH side screw.
3. Remove and retain RH side screw.

7. Drill hole (K) into frame on drivers side of vehicle using 13/64 inch drill bit.

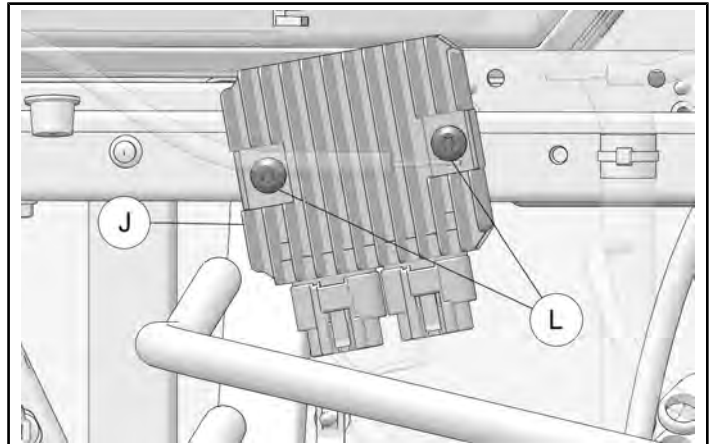


8. Inspect mounting screws for damage. If damaged, replace with new Torx Truss Head screw size M6 x 1.0 x 45

9. Reinstall regulator so it pivots away from coolant hoses. Secure regulator to frame with LH mounting screw in original location and RH mounting screw in the new location. Torque to specification.

#### TORQUE

Regulator Mounting Screws (L):  
80 in-lbs (9 N·m)



#### INSTALL COOLANT HOSES TO ENGINE

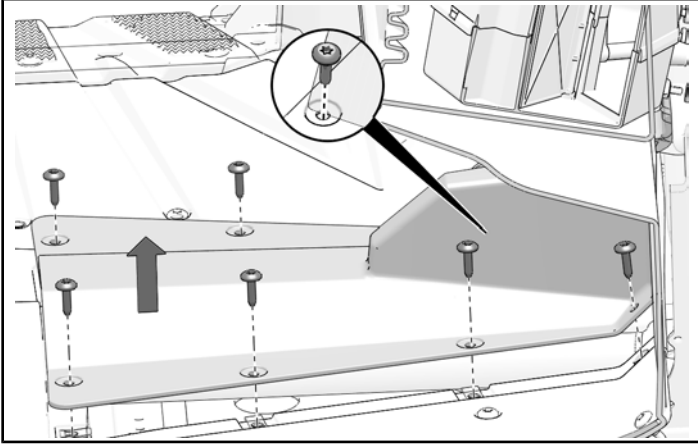
##### ⚠ CAUTION

Hoses can become damaged when located near moving parts (such as drive shaft) or extreme heat. Ensure all hoses are installed away from damaging elements. Failure to install hoses away from moving parts or extreme heat could result in damage to hose, causing coolant leaks, which can result in vehicle overheating and damage to engine.

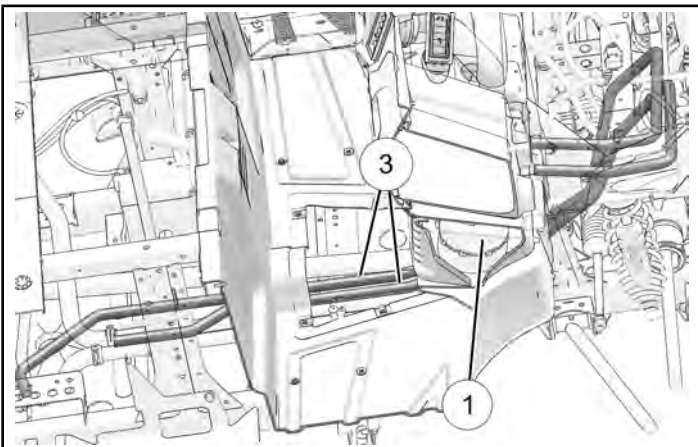
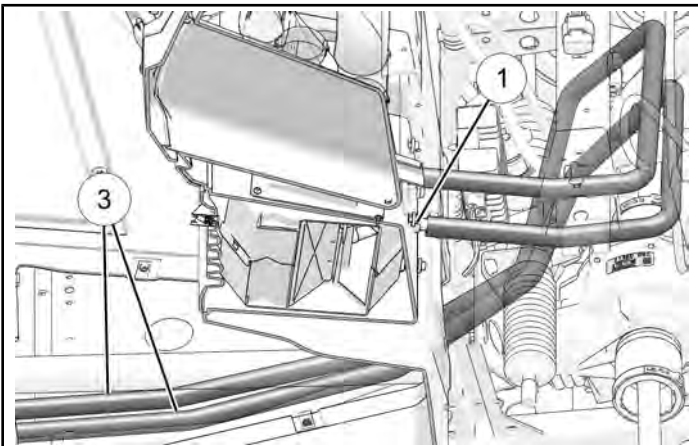
##### TIP

Use cable ties to secure coolant hoses away from moving parts, such as drive shaft, or hot engine parts..

1. Inside cab, remove and retain screws from center floor pan. Lift floor pan out of vehicle and set aside.



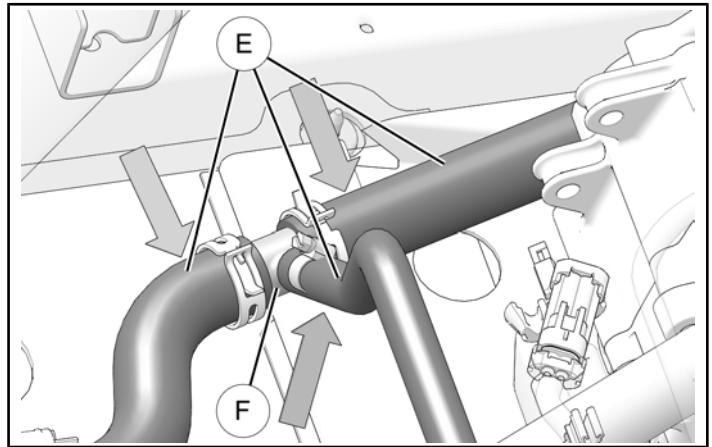
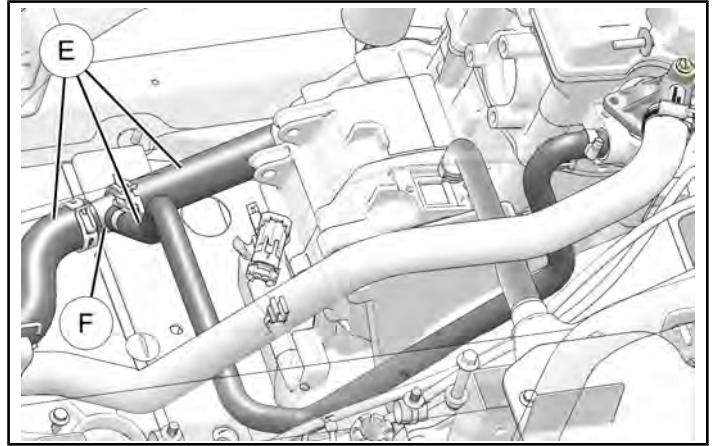
2. Route both coolant hoses ③ from heater ① to behind fire wall and along coolant lines to engine.



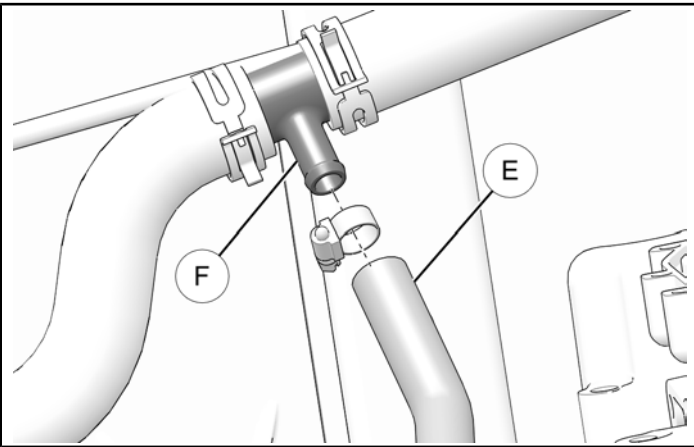
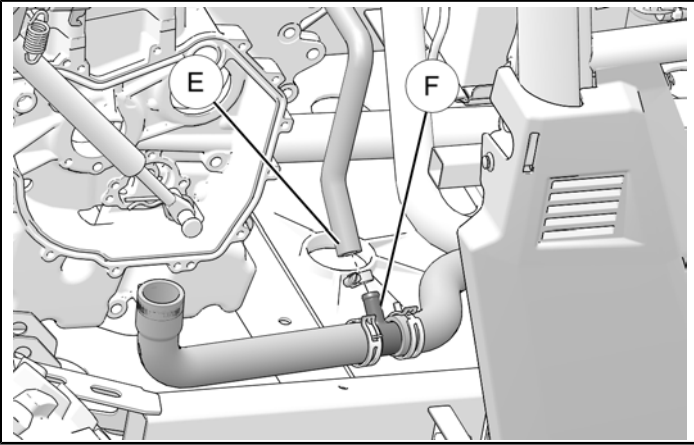
3. At engine, pinch off three coolant hoses ⑤ in locations shown with arrows around T-fitting ⑥.

### IMPORTANT

Pinch off coolant lines to prevent spills when line is disconnected. Use recommended tool to prevent damage to coolant hose.



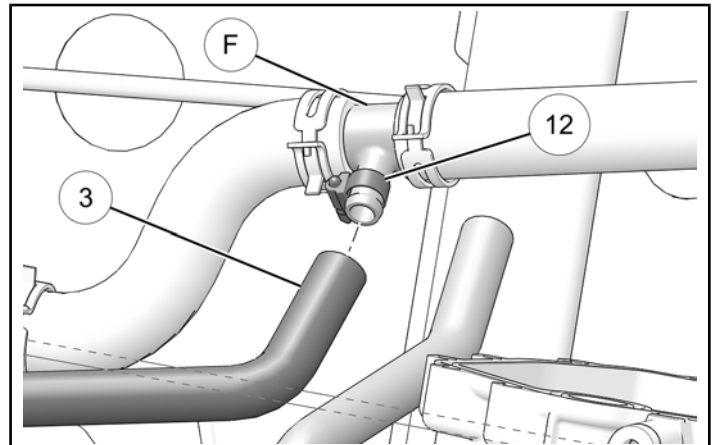
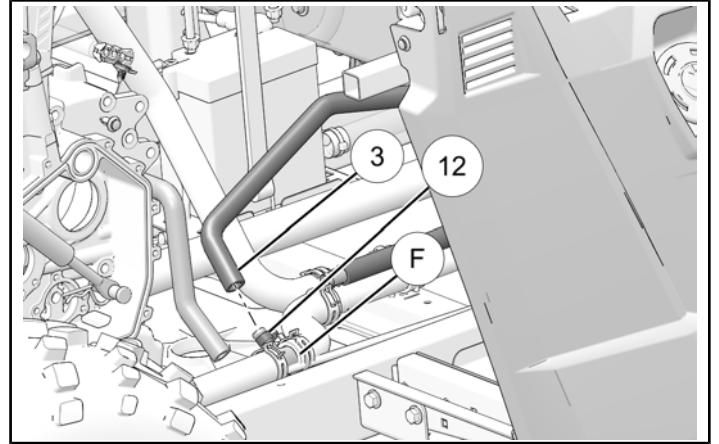
4. Remove small coolant hose (E) from T-fitting (F). Retain hose clamp for future use.



5. Connect top coolant hose (3) from heater to T-fitting (F). Secure with hose clamp (12). Torque to specification.

### TORQUE

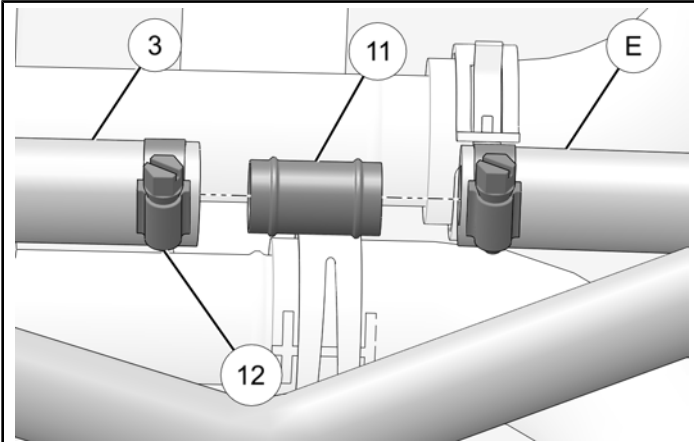
Worm Gear Clamp (12):  
36 in-lbs (49 N·m)



6. Connect bottom coolant hose ③ from heater to small coolant hose ⑤ from engine. Use butt splice ⑪ to join bottom hose to engine hose. Secure with new hose clamp ⑫ and existing hose clamp retained from hose ⑤. Torque to specification.

#### TORQUE

Worm Gear Clamps:  
**36 in-lbs (49 N·m)**



7. Reinstall floor pan. Torque screws to specification.

#### TORQUE

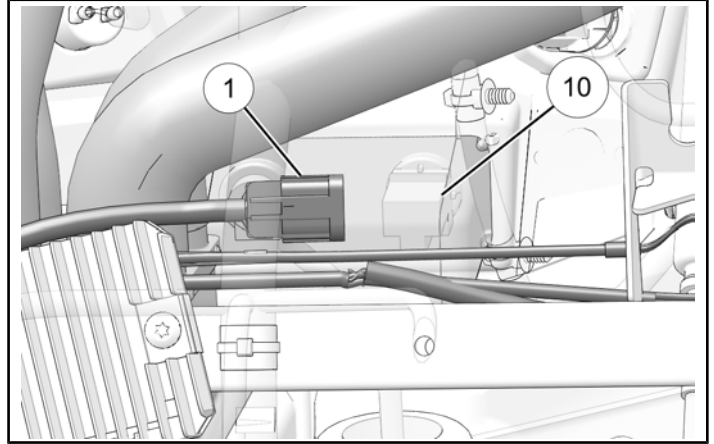
Torx Head Screws:  
**96 in-lbs (11 N·m)**

## INSTALL ELECTRICAL CONNECTIONS

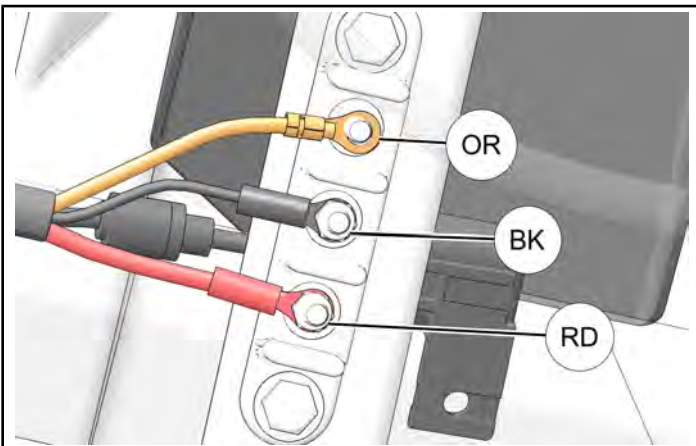
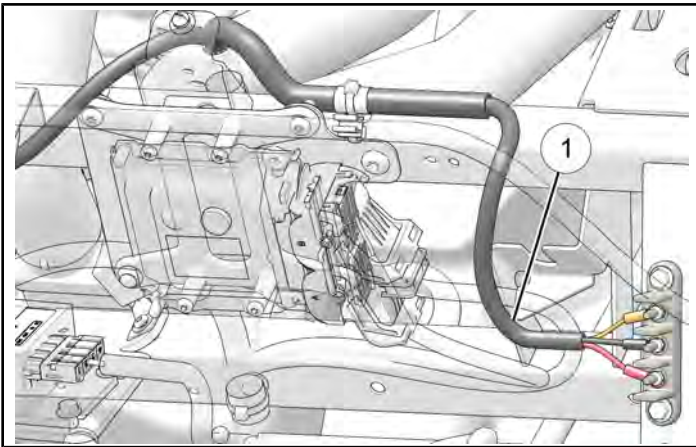
### NOTICE

Battery Cable Connection kit must be installed prior to Cab Heater kit installation.

1. Plug heater electrical harness ① into heater control panel ⑩ connector.



2. Connect main heater power cord ① to electrical bus.
  - Route orange to orange keyed bus location
  - Route red to red constant bus location
  - Route black to black ground bus location

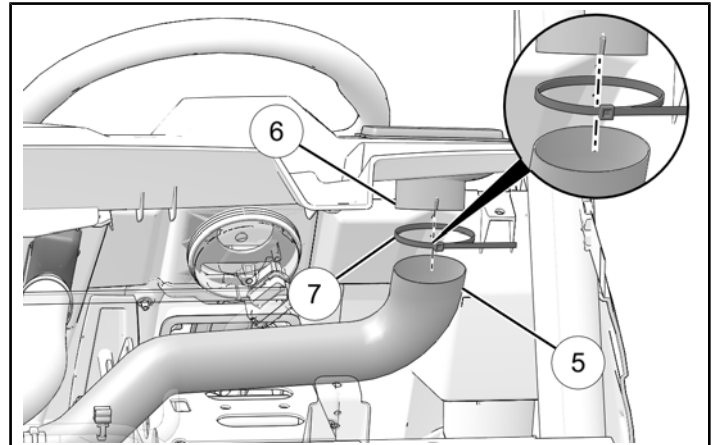


3. Reconnect all electrical harnesses to instrument cluster, and any other switches, sockets, or devices mounted to dash panel.
4. Reconnect black negative (-) cable to battery.

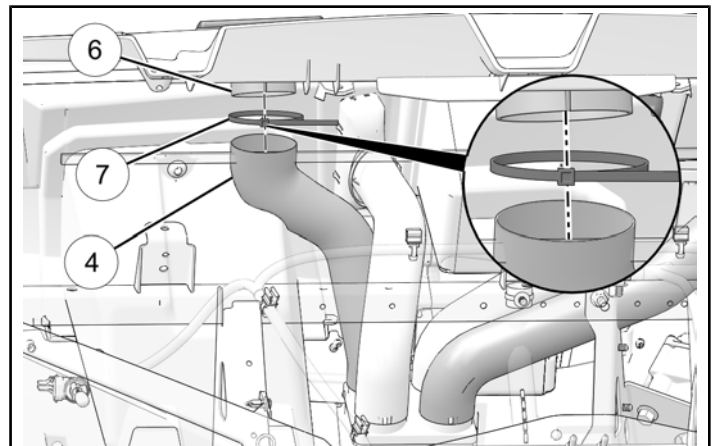
**INSTALL UPPER DASH**

1. Set upper dash on main dash. Do not fasten.

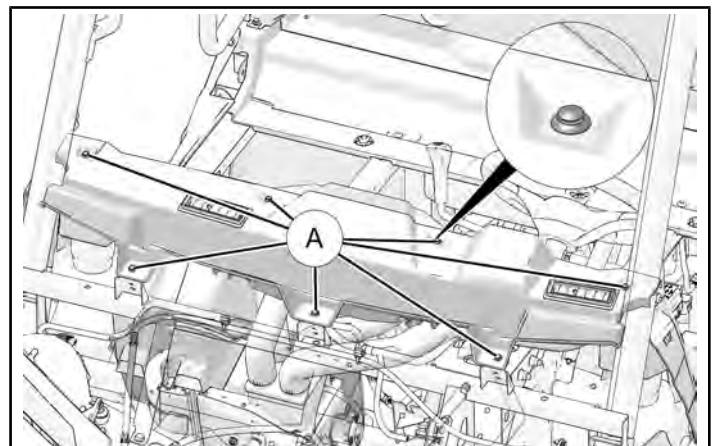
2. Secure long duct ⑤ to drivers side vent assembly ⑥ with cable ties ⑦.



3. Secure short duct ④ to passenger side vent assembly ⑥ with cable ties ⑦.



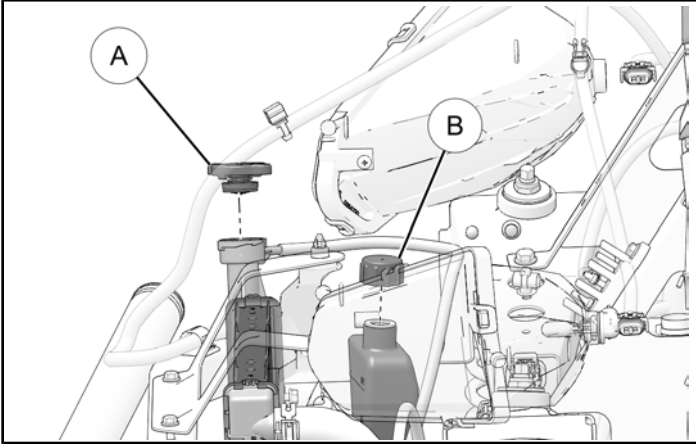
4. Secure upper dash with retained push pin rivets ①.



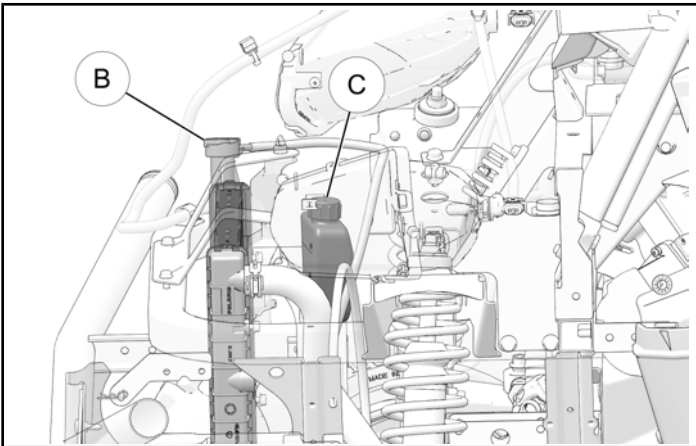
5. Reinstall bench seat and storage compartment (if installed).

## COOLING SYSTEM BLEED

1. Remove radiator cap (A) and overflow tank cap (B) and set aside.



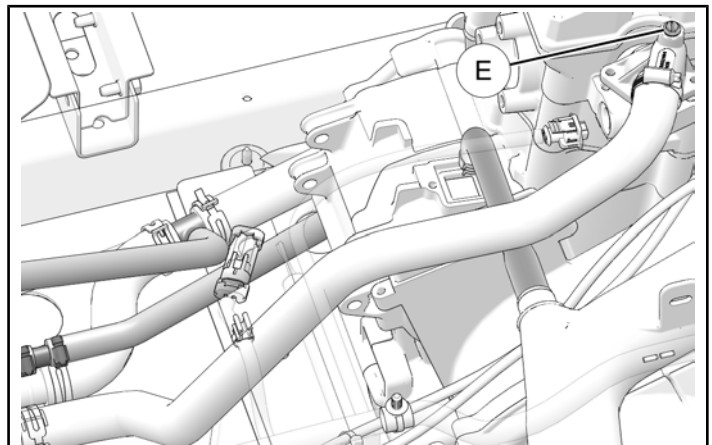
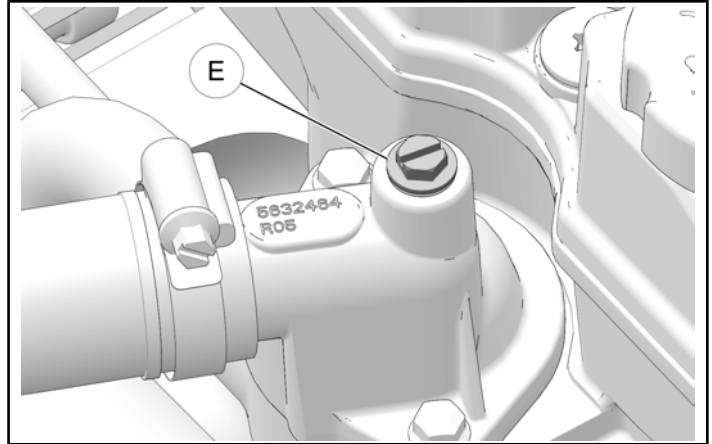
2. Ensure fluid levels are full in radiator (C) and overflow tank (D). If not, fill to recommended levels.



3. Open bleed screw (E) at head of engine. Screw will release air when opened.

### NOTICE

Once fluid starts to come out of bleed screw, all air should be released from engine.



4. Tighten screw after air has been released. Torque to specification.

### TORQUE

Bleed Screw (E):  
**72 in-lbs (8 N·m)**

5. Check radiator and overflow tank levels. Fill if low.
6. Repeat steps 1–5 until all air has been released from bleed screw.
7. Add coolant to radiator and overflow tank until filled to recommended levels. Replace cap onto radiator and overflow tank.
8. Start engine and allow to idle until coolant fan has cycled. Once fan has cycled, turn off engine.

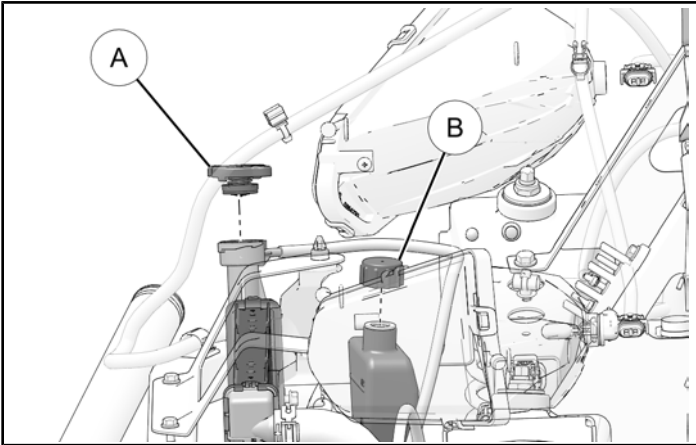


9. Allow engine and cooling system to completely cool down.

**⚠ WARNING**

Coolant will be hot and under pressure immediately after running engine. Ensure engine has cooled and no pressure is built up in the cooling system before removing radiator cap. Failure to allow engine to cool before removing radiator cap could result in severe injury or burns.

10. Remove radiator cap (A) and overflow cap (B).

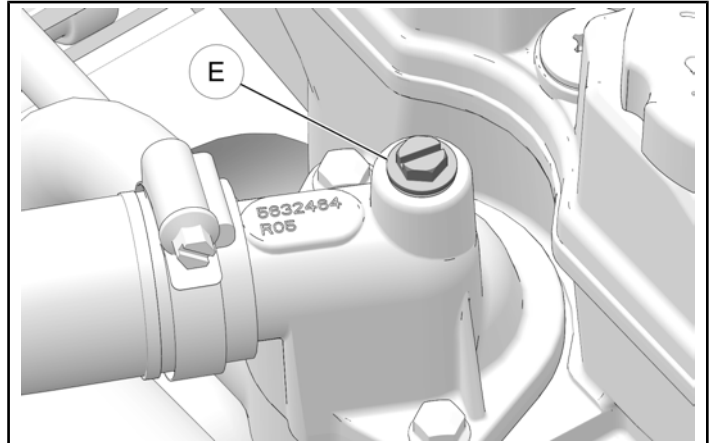


11. Check radiator and overflow tank fluid levels. Fill if low.

12. Open bleed screw (E) at head of engine to release trapped air.

**NOTICE**

Once fluid starts to come out of bleed screw, all air should be released from engine.



13. Tighten screw after air has been released. Torque to specification.

**TORQUE**

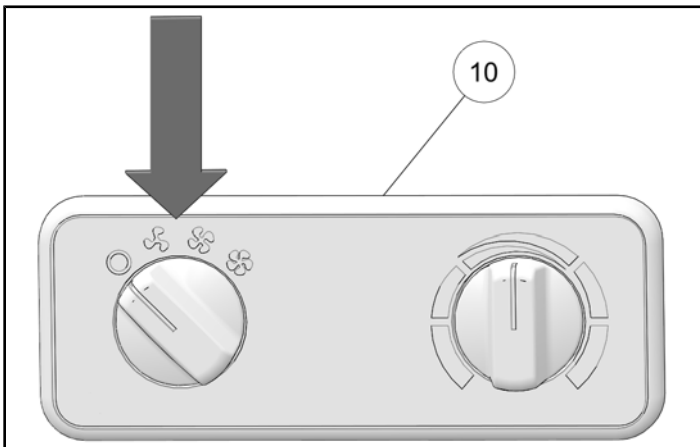
Bleed Screw (E):  
**72 in-lbs (8 N·m)**

14. Add coolant to radiator and overflow tank until filled to recommended levels. Replace cap onto radiator and overflow tank.

# HEATER CONTROL PANEL OPERATION

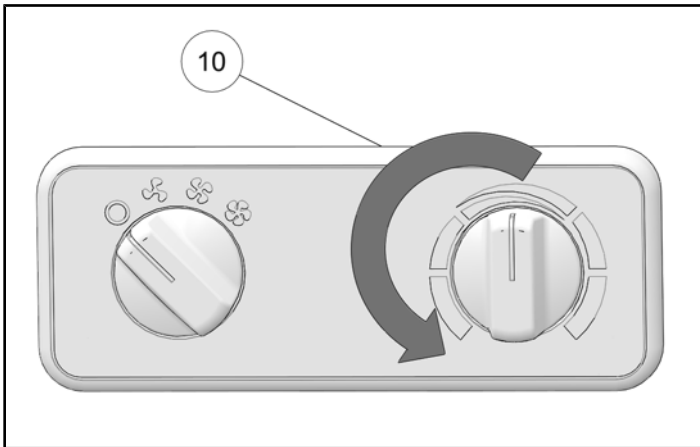
## FAN SETTINGS

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

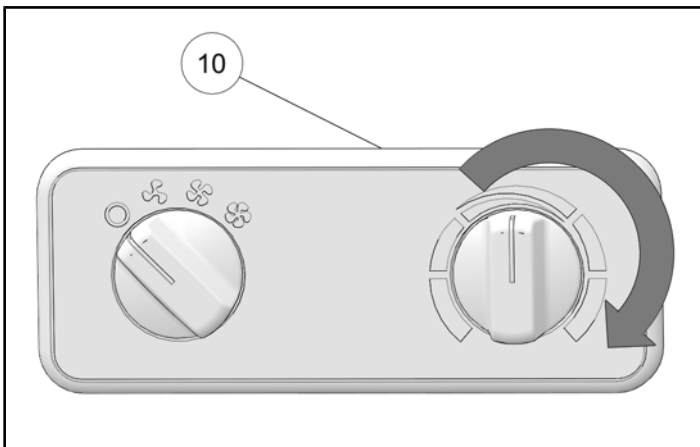


## TEMPERATURE SETTINGS

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

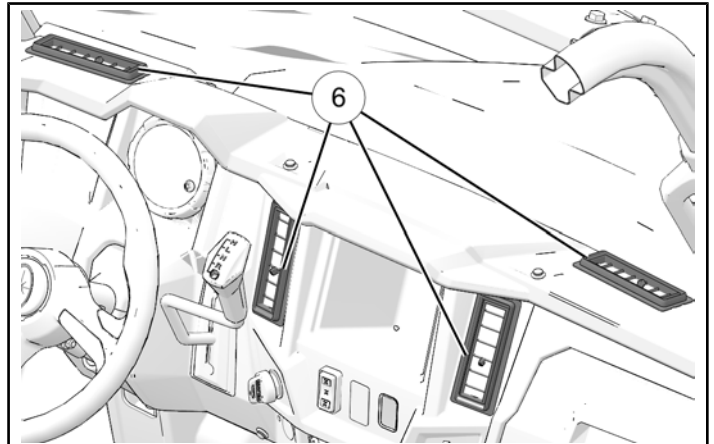


3. Turn dial to right for heated air.

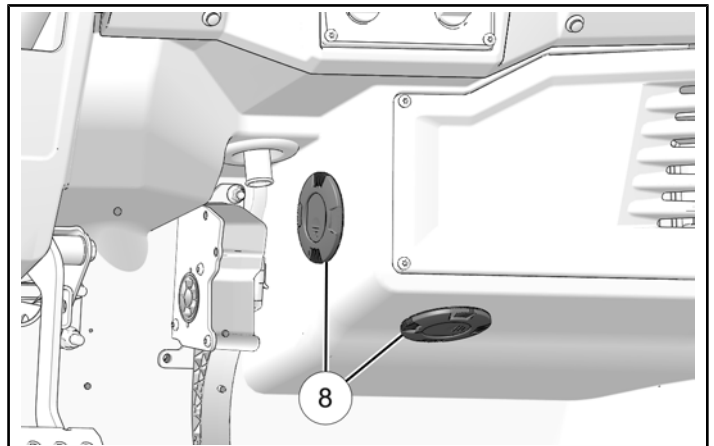


## VENT SETTINGS

1. Adjust rectangle vent levers ⑥ to direct airflow.



2. Adjust round vent levers ⑧ to direct airflow.



## 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.



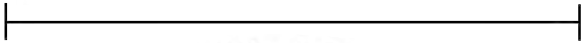
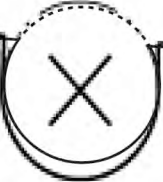


# TEMPLATE 1

TOP OF LOWER DASH HEATER CAP TEMPLATE



DRILL 11/16 inch hole



3 inches

Reference Dimension

TOP EDGE OF DASH FACING  
INSIDE OF CAB





# TEMPLATE 2

## FIREWALL MOUNTING TEMPLATE

**EXISTING FEATURES  
FOR REFERENCE**

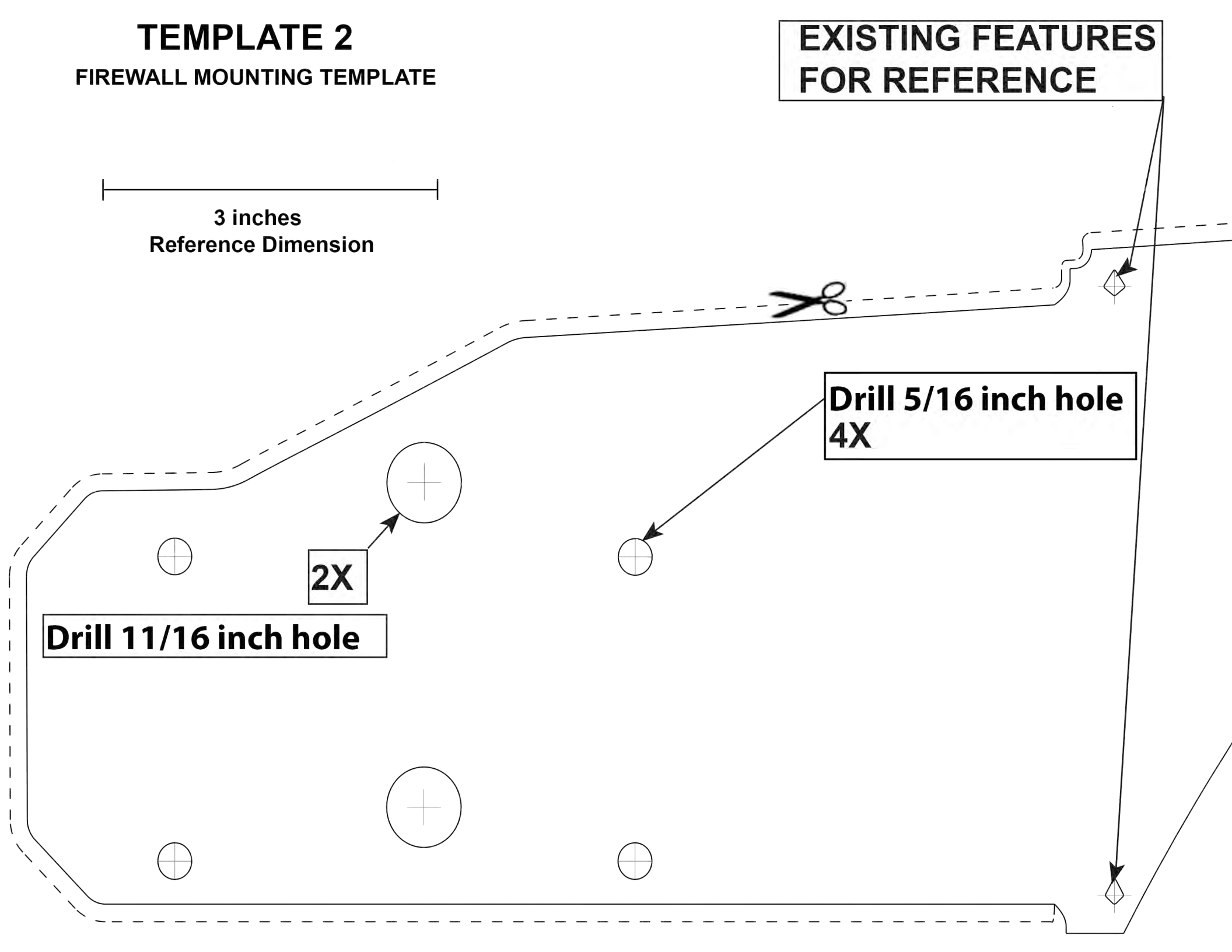
3 inches  
Reference Dimension



**Drill 5/16 inch hole  
4X**

**2X**

**Drill 11/16 inch hole**





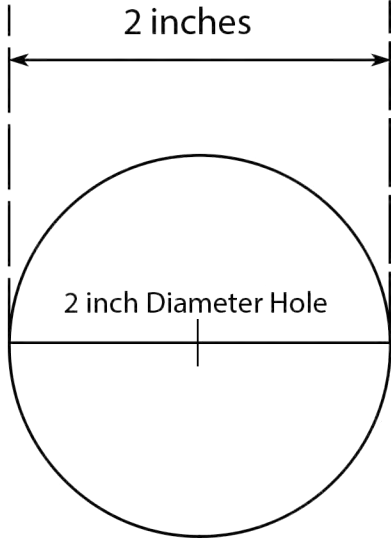


# TEMPLATE 3

## 2 INCH ROUND BOTTOM LOUVER DRILL TEMPLATE

**Reference Dimension**

2 inches





# TEMPLATE 4

## 2 INCH ROUND SIDE LOUVER DRILL TEMPLATE

