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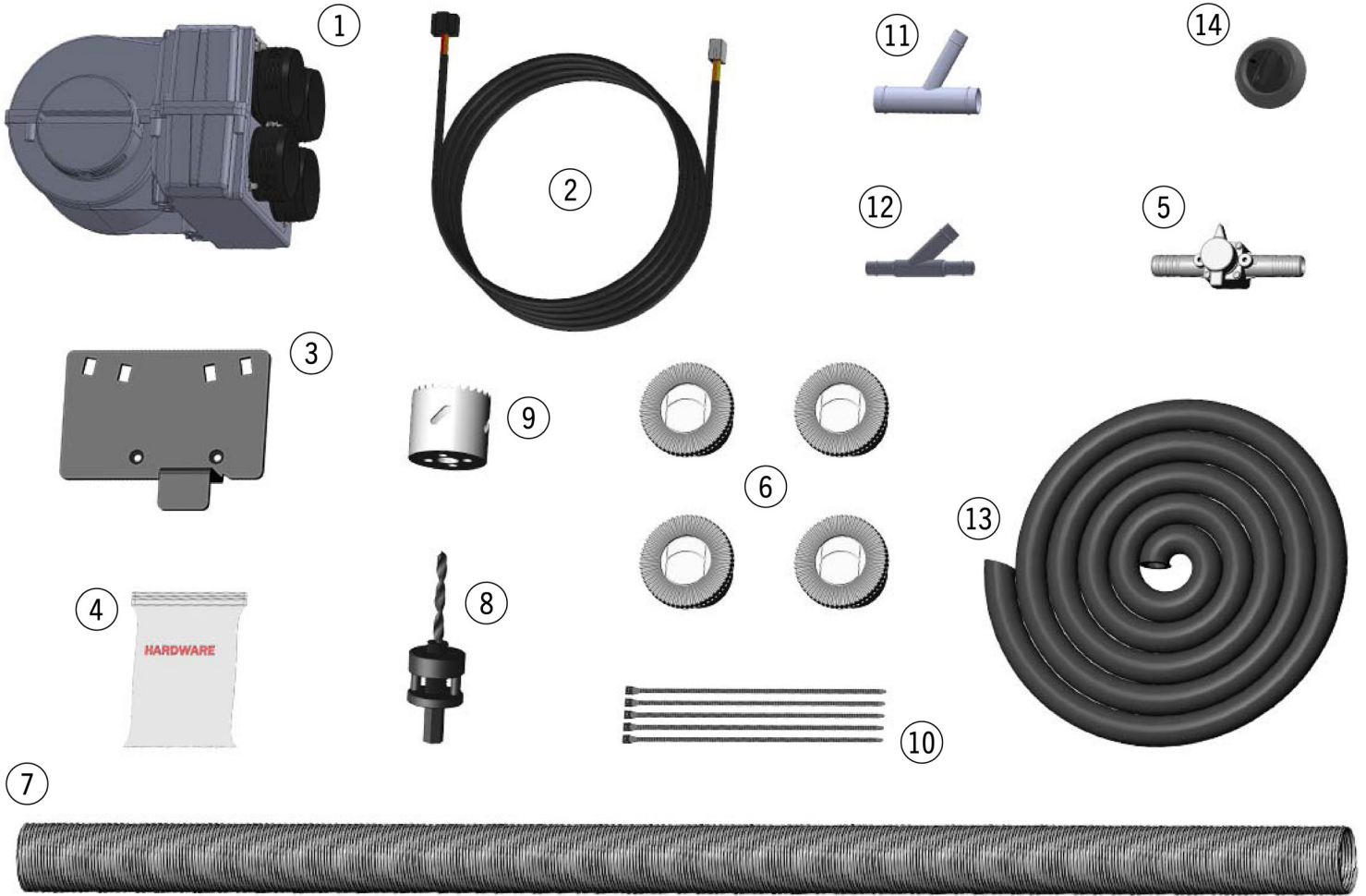


**FIRESTORM**  
C A B H E A T E R S

**Honda Talon Cab Heater**  
**HT\_CU\_420**

INSTALLATION INSTRUCTIONS

### PARTS LIST



Part#	Qty	Item Description
1	1	FIRESTORM Cab Heater Unit
2	1	36" Wiring Harness
		Red/Yellow/Orange Harness
		Red Wire
		Black Wire
		5-Pin Black Connector
		4-Pin White Connector
3	1	HT-CU-420-1 bracket

Part#	Qty	Item Description
4	1	Hardware Pack
	2	Insulation Displacement Crimp
	2	M6-1.0x12mm Hex Head Screw
	4	#16 Stainless Steel Hose clamp
	8	#10 Stainless Steel Hose clamp
5	1	Plastic Shut-Off Valve
6	4	2" Vents
7	40'	2" Compressed Duct Hose

Part#	Qty	Item Description
8	1	Hole Saw Pilot Bit
9	1	2" Hole Saw
10	20	Zip Ties
11	1	1" Aluminum Y
12	1	½" Aluminum Y
13	20'	⅝" Coolant Hose
14	1	3-Position Switch



Please read all instructions before beginning installation. Verify that all parts listed are present.

We have found that several steps in this installation are easier with two people. We recommend finding a partner to assist with this installation.



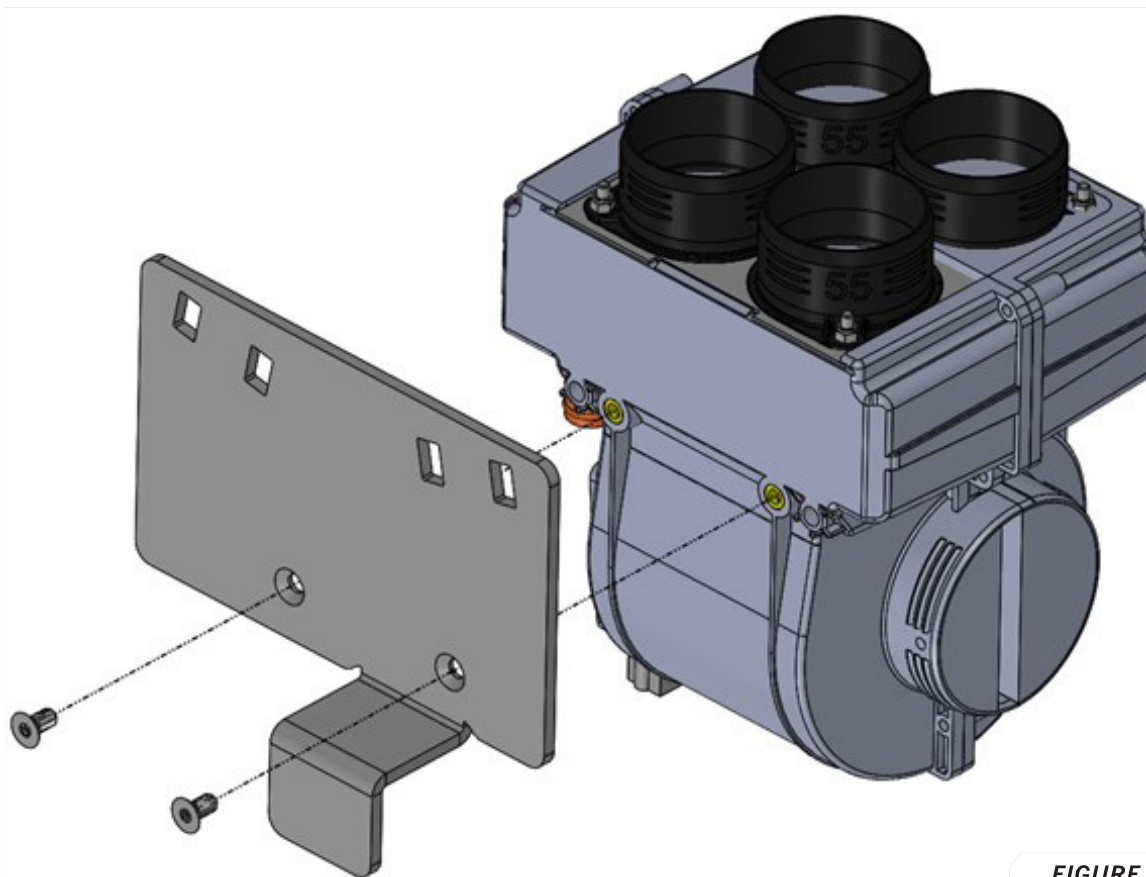
When working on cooling systems, always allow vehicles to cool to avoid being burned or scalded by hot coolant.

Before working with any electrical system on your vehicle, **ALWAYS** remove the negative battery cable and secure it away from the battery terminal.

**Figures Color Key** |  Parts native to the machine  Parts native to FIRESTORM Cab Heater

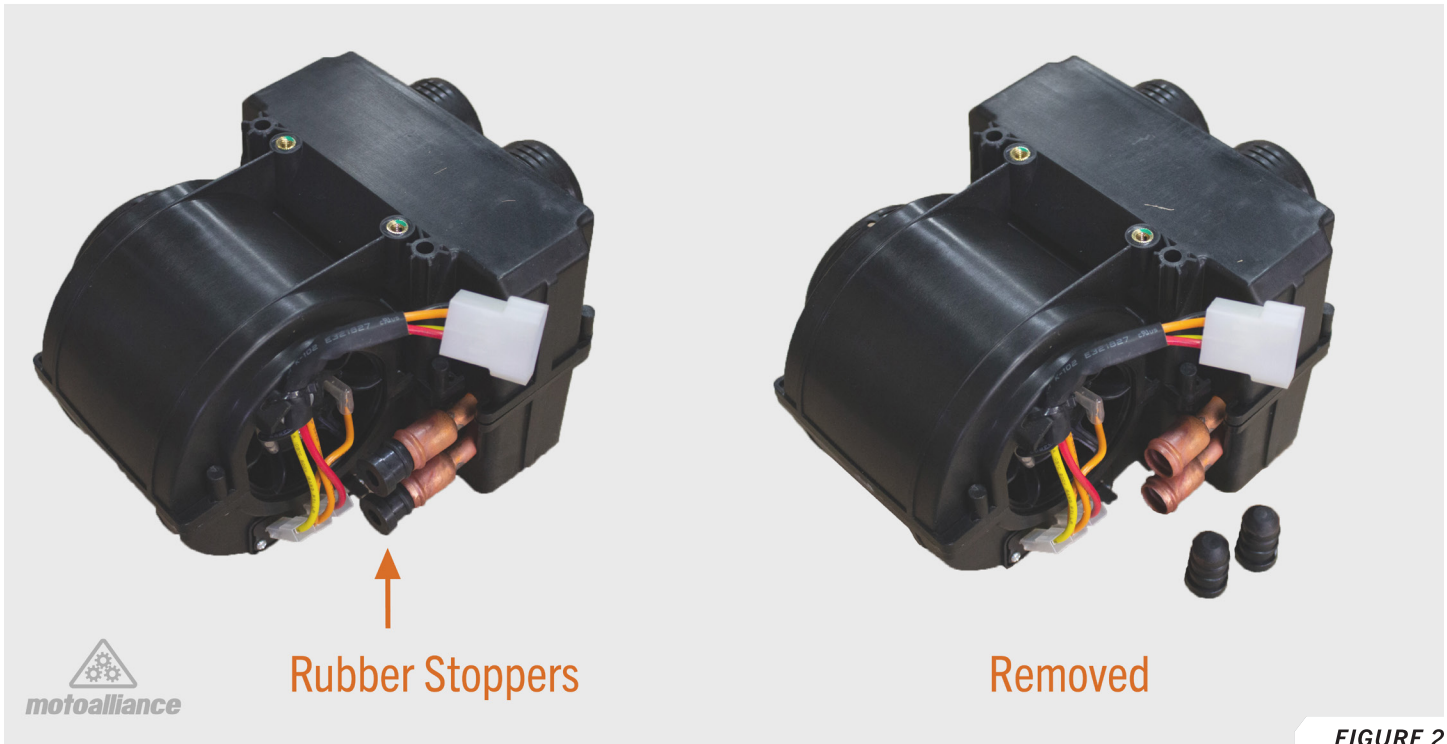
## PREPARATION

1. Remove the front hood and set it aside.
2. Assemble the FIRESTORM Heater Unit and HT\_CU\_420-1 bracket using the M6-1.0 x 12mm flat head screws as shown in *FIGURE 1*.

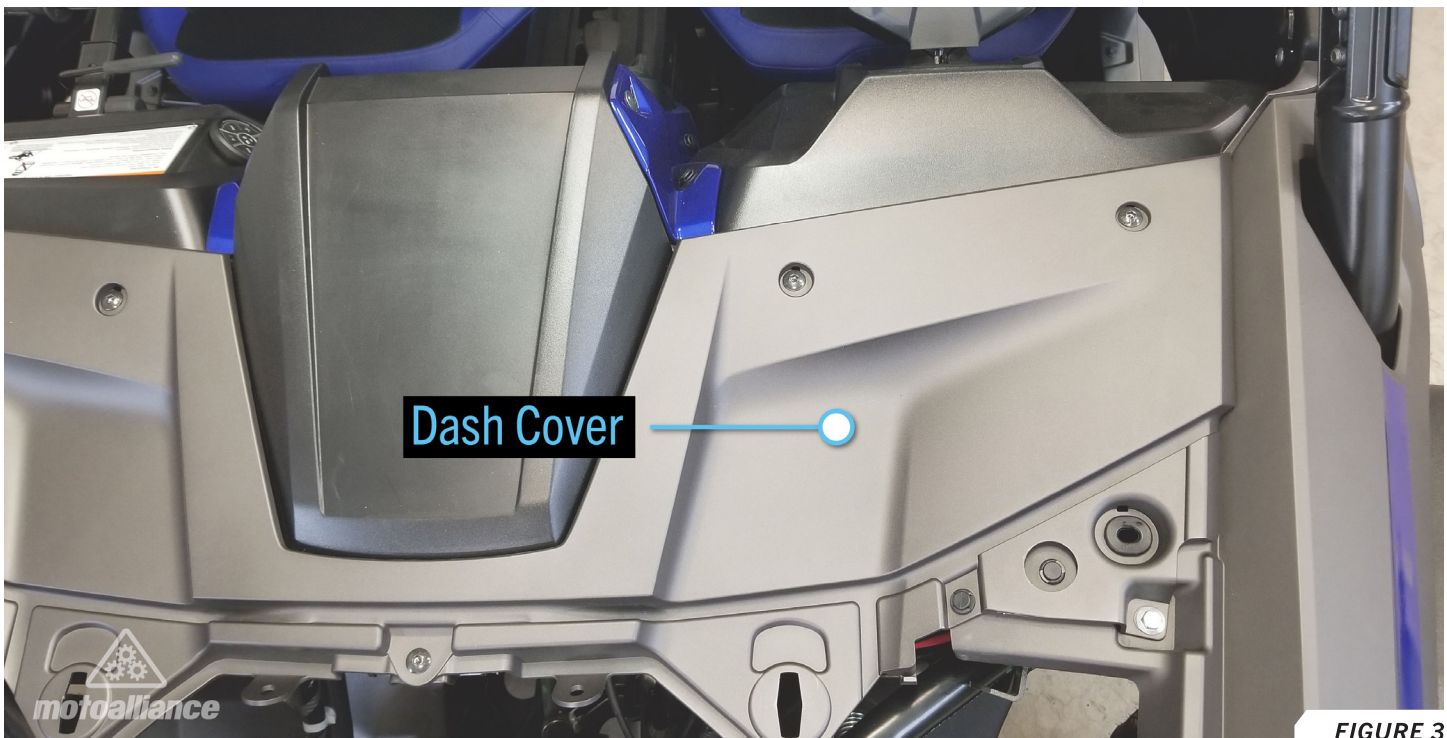


**FIGURE 1**

3. Remove the two rubber stoppers from the copper on the heater. Set the assembly aside. **FIGURE 2**



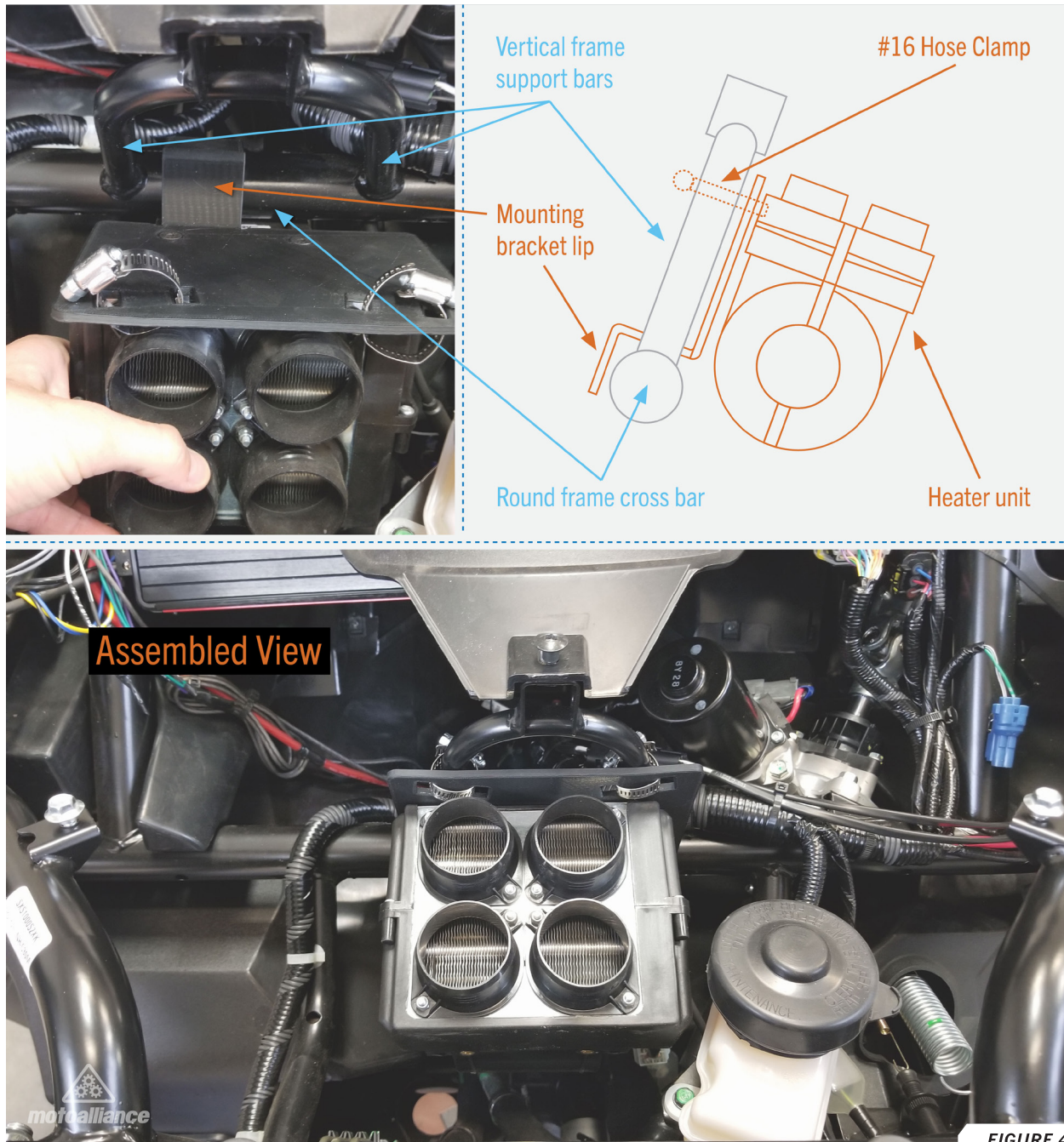
4. Remove the front dash cover. **FIGURE 3**



5. Remove the underbody skid plates to gain access to the drive.

### HEATER MOUNTING & VENT INSTALLATION

6. Insert the #16 hose clamps through the rectangular openings of the HT\_CU\_420-1 bracket so that the tightening nuts face away from the center of the vehicle. *FIGURE 4*
7. Position the heater unit as shown in *FIGURE 4* such that the mounting brackets lip sits over the round frame cross bar.



8. Position the #16 hose clamps around the two vertical frame support bars and tighten firmly.

9. Cut out all the templates and position them as shown in *FIGURE 5*, *FIGURE 6*, and *FIGURE 7*. Use the included hole saw pilot bit and 2" hole saw to drill all the 2" vent holes. Use a 7/16" drill bit to cut the switch hole to the right of the steering wheel. Relocate the safety decal to a visible position.

Verify nothing is behind the drilling area before making the cut.

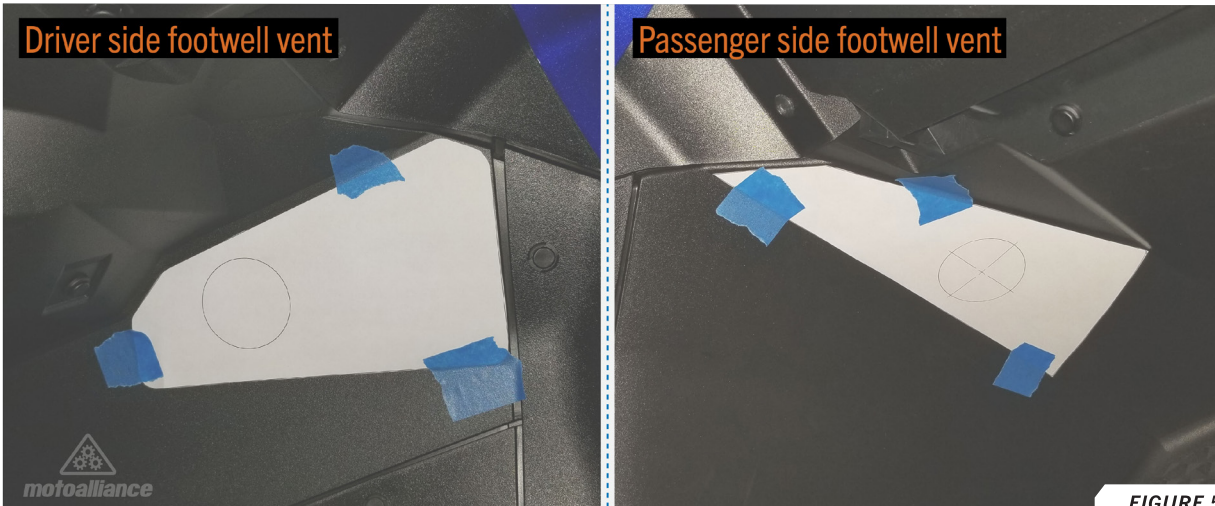


FIGURE 5



FIGURE 6

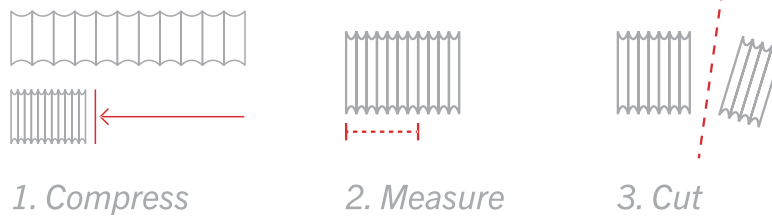


FIGURE 7

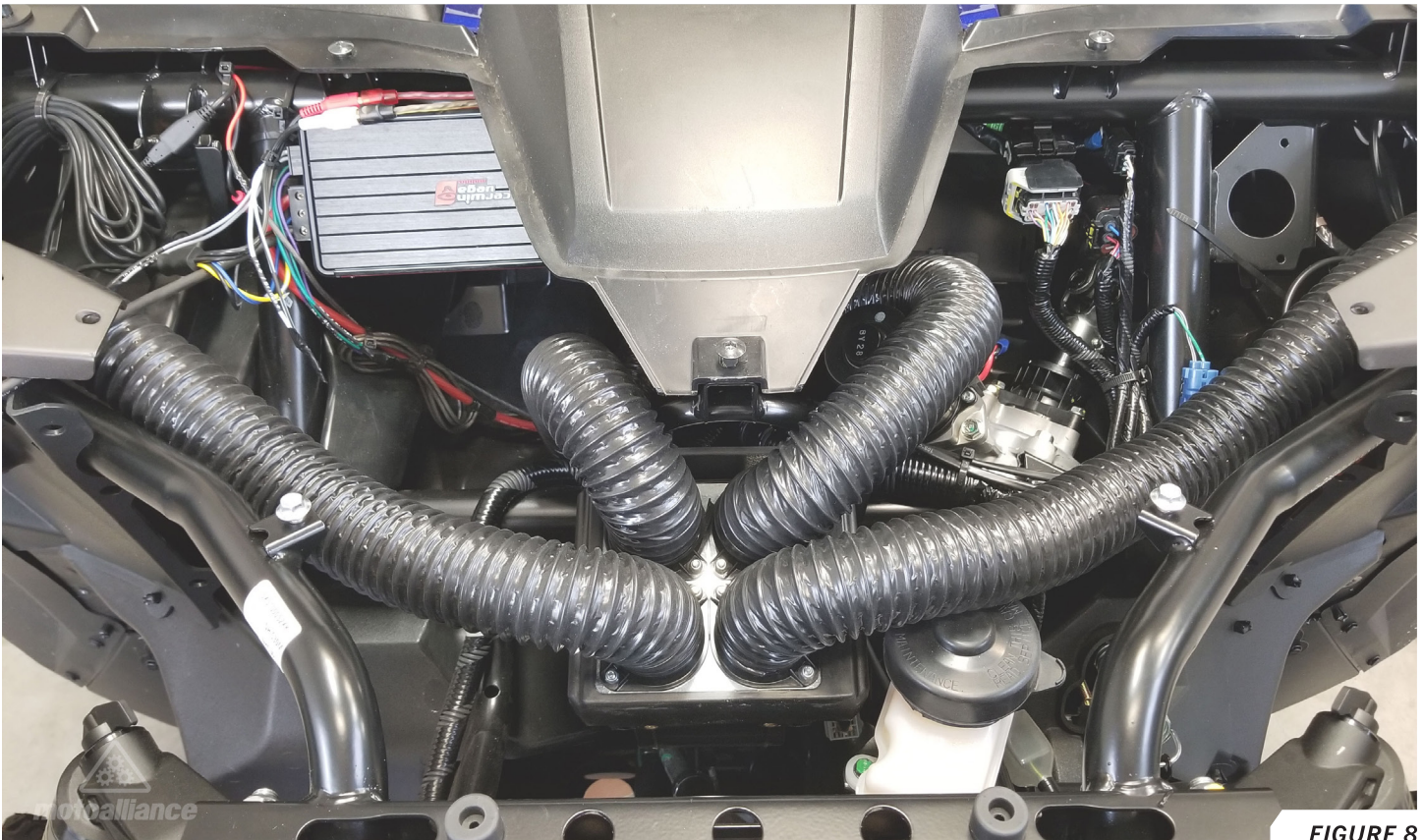
10. Insert the 2" vents into each of the holes.

Avoid pressing directly in the middle of the vent as the vent flaps may break.

11. Cut the duct hose into four 9" compressed sections.



12. Attach the four pieces of 2" duct hose to the four ports of the heater unit as shown in *FIGURE 8* and secure using zip ties.



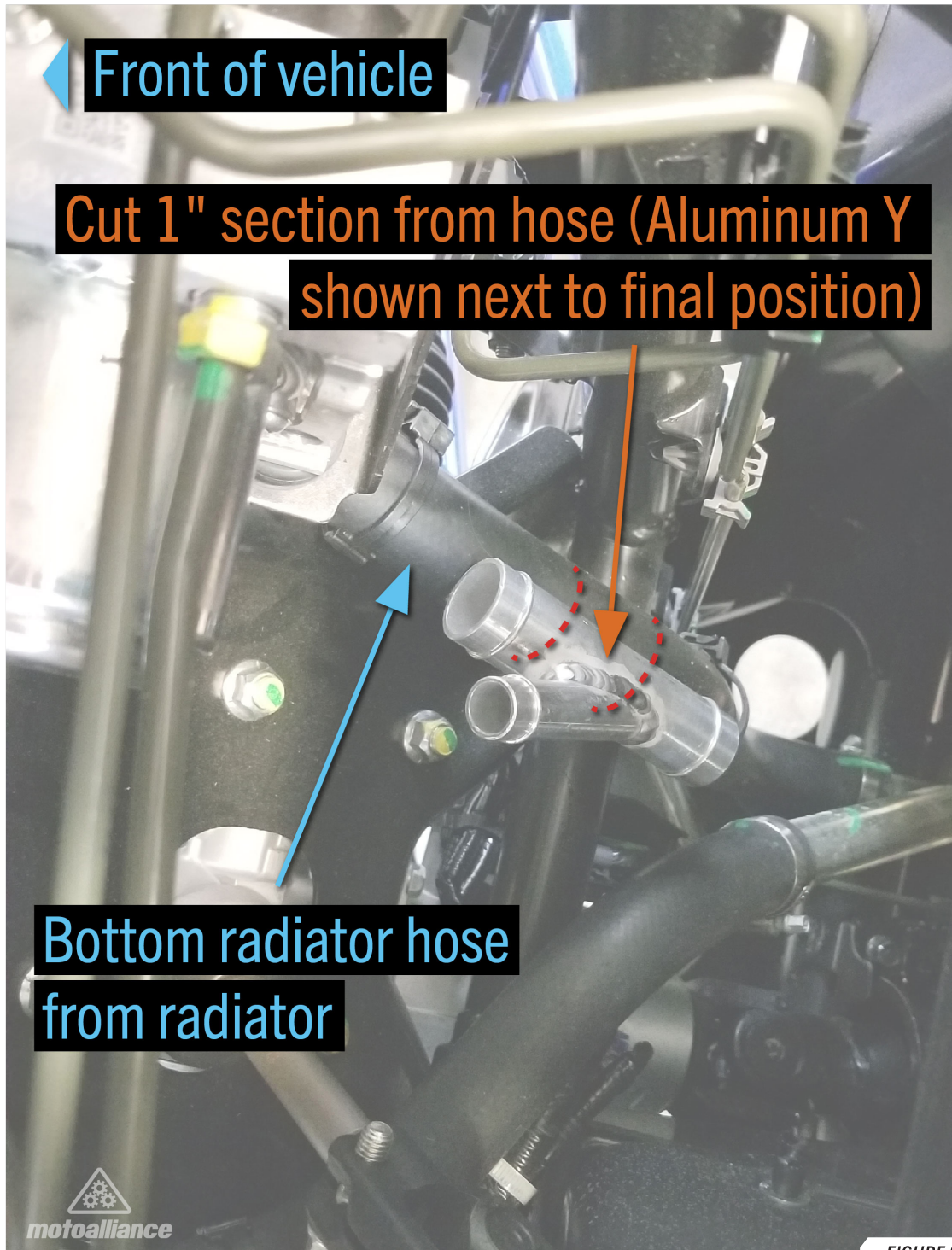
**FIGURE 8**

13. Route the 2" duct hose to the four 2" vents and secure using zip ties.

### COOLANT HOSE ROUTING

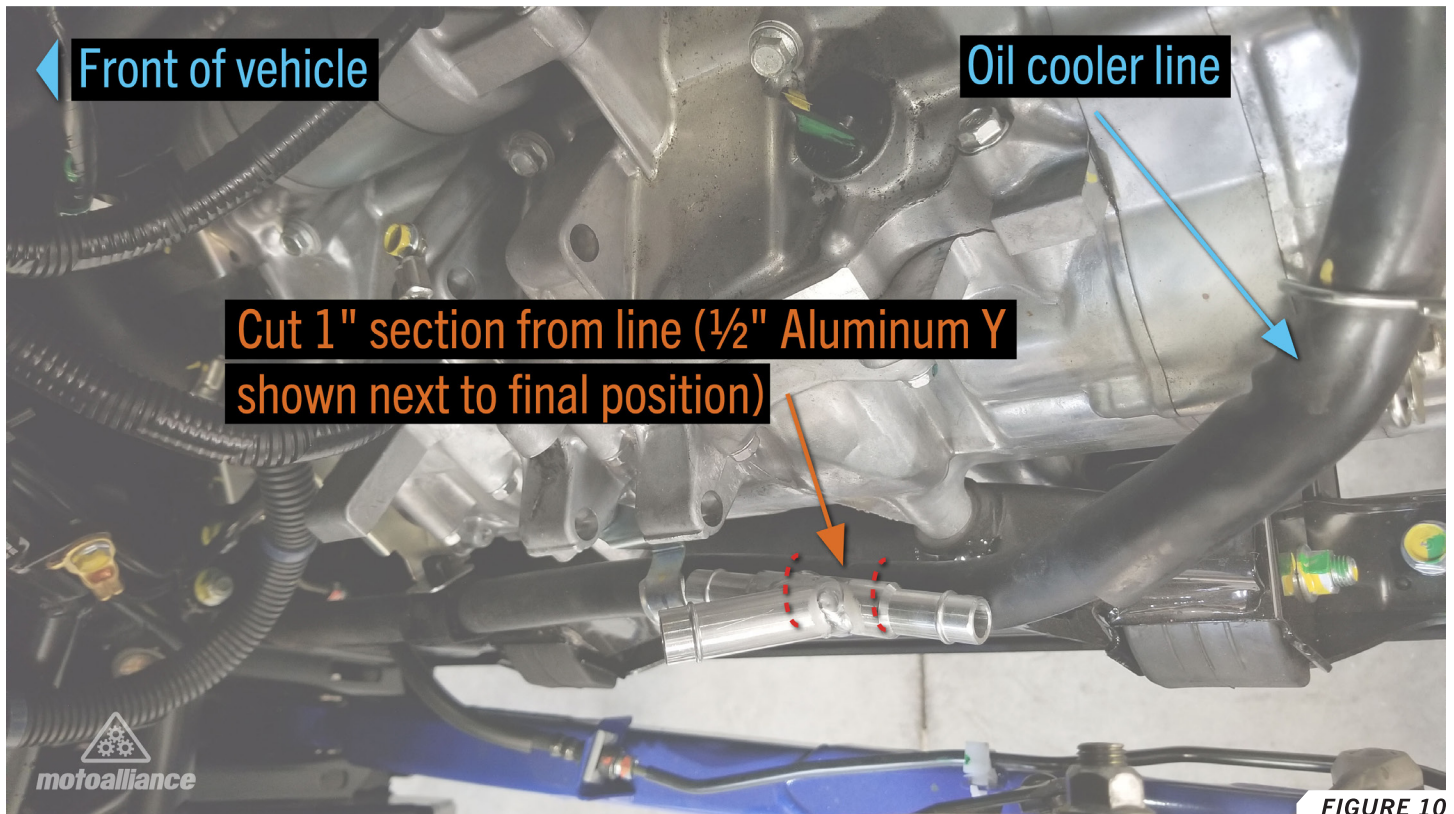
Before making cuts into the vehicle's coolant system, ensure the vehicle is completely cooled down.

- At the front of the vehicle, locate the bottom radiator hose as shown in **FIGURE 9**. **FIGURE 9** shows the return path 1" Aluminum Y location. Mark a 1" section of hose as shown and remove it. ◀ Clamp the hose to eliminate coolant loss.
- Insert the 1" aluminum Y as shown in **FIGURE 9** and secure the two 1" hoses with #16 hose clamps.





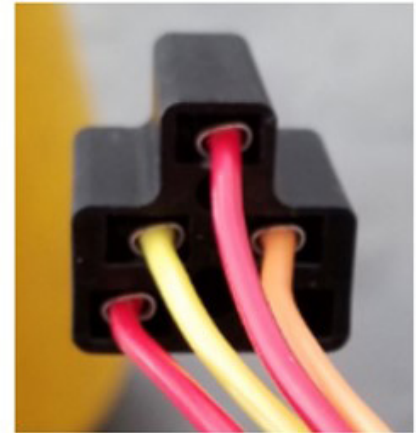
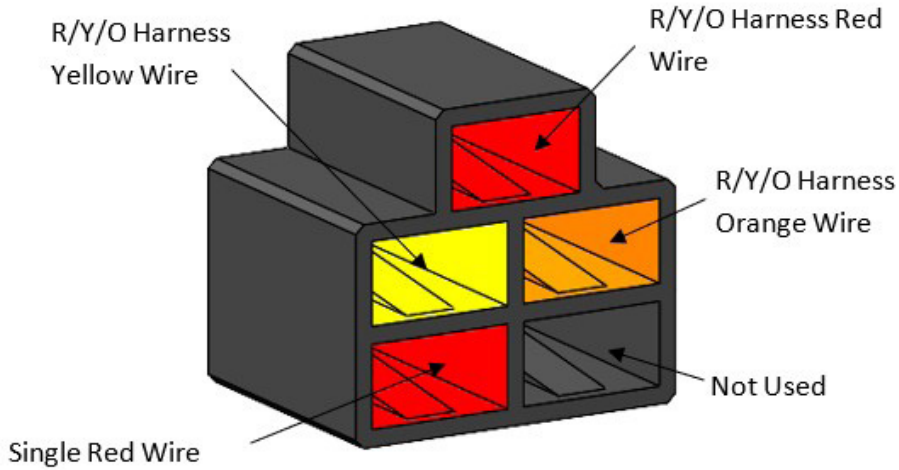
16. Connect radiator hose to the aluminum Y and secure using a #10 hose clamp.
17. Run the radiator hose to the heater unit.
18. Cut the excess radiator hose and secure it to the heater unit using a #10 hose clamp.
19. In the driver's side rear wheel well, locate the ½" oil cooler line as shown *FIGURE 10*.
20. Place a bucket under the area shown in *FIGURE 10*. Mark a 1" section of line as shown and remove it. Insert the ½" aluminum Y with the branch facing the front of the machine. *FIGURE 10*



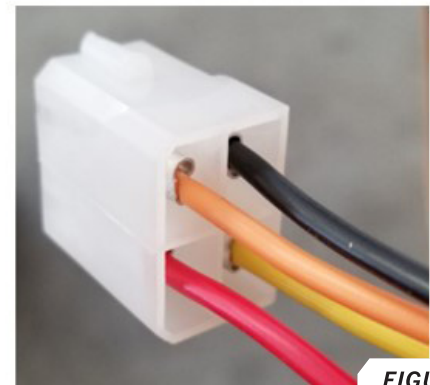
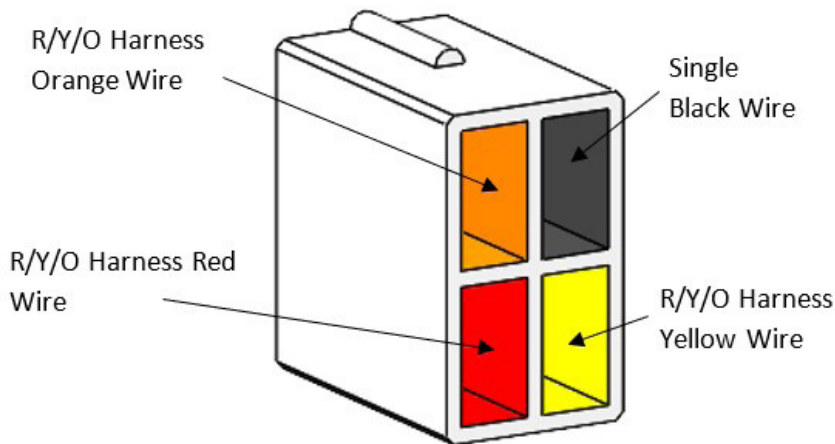
21. Secure the aluminum Y using #10 hose clamps.
22. Connect radiator hose to the aluminum Y and secure using a #10 hose clamp.
23. Pull the excess radiator hose toward the front of the vehicle. Secure the radiator hose using zip ties.
24. Cut any excess radiator hose and secure it to the heater unit using a #10 hose clamp.
25. Cut this line in an accessible place and insert the shutoff valve and secure it with #10 hose clamps.

**SWITCH WIRING**

26. Locate the 36" Wiring Harness and ensure the wires are correctly connected to the 5-Pin Black Connector as shown in **FIGURE 11** and the 4-Pin White Connector as shown in **FIGURE 12**.



**FIGURE 11**



**FIGURE 12**

27. Connect the 5-Pin Black Connector to the 3-Position Switch included in the kit.
28. Insert the switch from the back of the dash panel, where 7/16" hole was drilled, and secure using the low-profile hex nut included in the switch bag. Disregard the flex lock washer.
29. Prior to pressing the switch bezel on, use a pair of pliers to remove the two nubs on the back of the switch bezel as shown in **FIGURE 13**.
30. Place the bezel over the switch so that the 0, 1, 2, 3 markings are visible.




**FIGURE 13**

31. Press the switch dial onto the switch until it is seated firmly.
32. Connect the 4-Pin White Connector to the white terminal housing on the heater unit.
33. Connect the red wire to a keyed powered source (any power source that is only powered when the vehicle is on) using the terminated end. If you have no connection spot for the terminated end, cut the ring terminal off and use the insulation displacement crimps to connect the red wire to a keyed power source. This can be found by testing wires with a multimeter.

Common examples may include the ignition, radios, and winches, though this may vary with your vehicle.
34. Connect the terminated end of the black wire to any vehicle ground.
35. Test the switch to ensure that it can control the fan speed in all three positions.

### BLEEDING THE COOLANT SYSTEM

Read entire section before proceeding

 Some amount of air will have made its way into the coolant system. The following bleeding procedure must be performed to eliminate the air and obtain heat. The following procedure is most easily accomplished with the help of a partner.

36. Fill radiator with coolant until radiator is full.

Look at owner's manual for manufacturer-approved coolant
37. Open the shutoff valve.
38. Close the radiator cap and drive the machine around until heat comes through the vents or the machine's engine temperature goes above 200°F.
39. Turn off the machine and wait for it to cool down.
40. Open the radiator cap and add more coolant.
41. Repeat the steps in this section until consistent heat is coming out of the vents and machine temperature gauge stays under 200°F.
42. Check for any leaks and clean up any coolant that spilled out during this process.

### FINISHING

43. Reassemble all panels removed from the machine.
44. Verify that no leaks have occurred and that the radiator fluid level is per the manufacturer's specifications.

### REPLACEMENT PARTS



Replacement parts can be ordered from [motoalliance.com](http://motoalliance.com). Enter the associated SKU number into the search bar to find the product.

Item Description	SKU
2" Compressed Duct Hose	HT_2inch_Compressed
2" Vent	HT_2Louvre
FIRESTORM Heater Motor	RPL_HT_CU_Fan_and_Motor
3-Position Switch	HT-Fan Switch

Item Description	SKU
5/8" Coolant Hose	HT_RadiatorHose_20
1" Aluminum Y	HT_1
1/2" Aluminum Y	HT_1/2
Plastic Shut-Off Valve	HT_Plastic_Shutoff_Valve

**Scan the QR code to see the full list of FIRESTORM replacement parts on [motoalliance.com](http://motoalliance.com)**

