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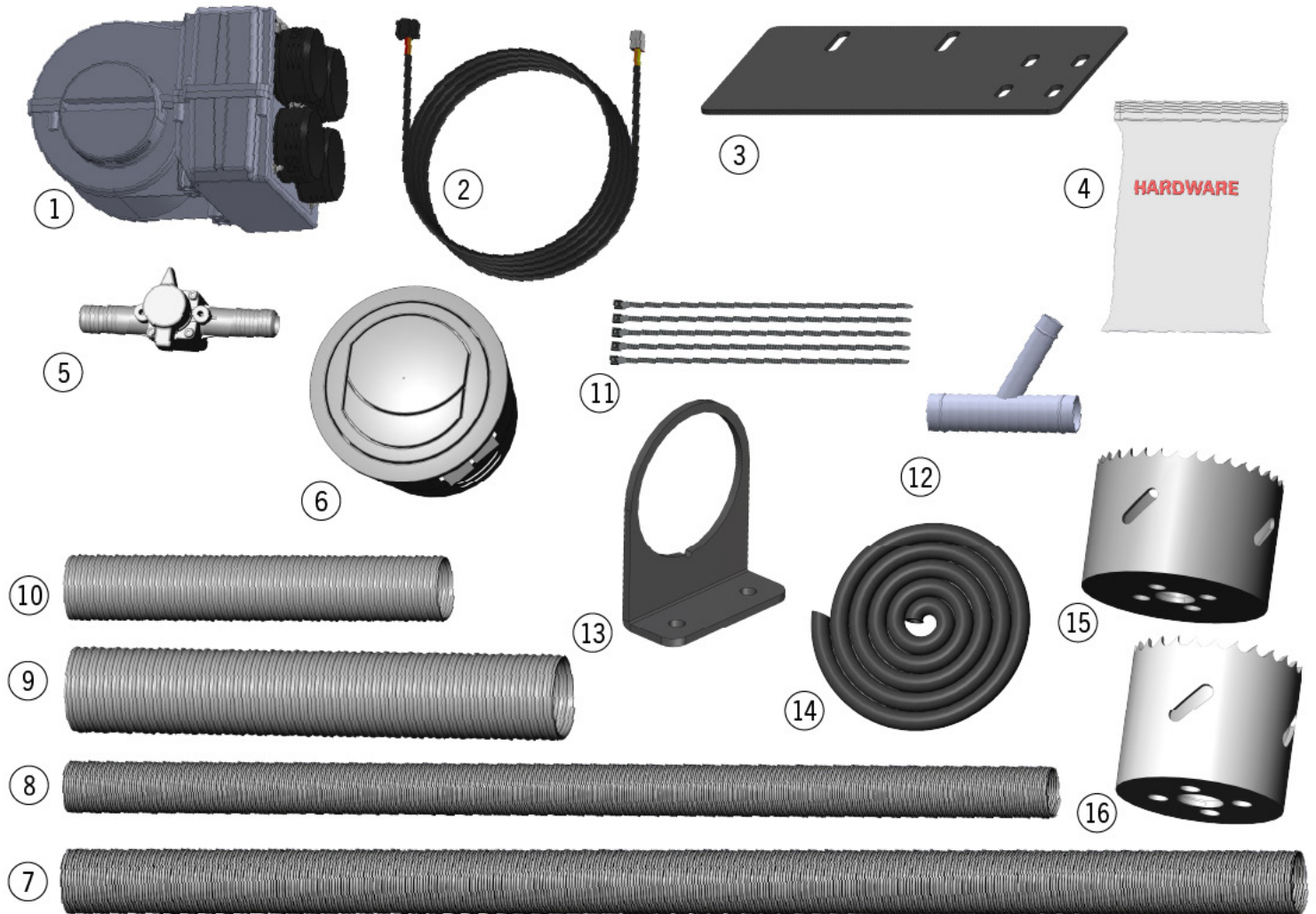


FIRESTORM
C A B H E A T E R S

UForce 600 Cab Heater
HT_CU_473

INSTALLATION INSTRUCTIONS

PARTS LIST



Part#	Qty	Item Description
1	1	FIRESTORM Cab Heater Unit
2	1	36" Wiring Harness
		Orange/Yellow/Black Wire
		Red Wire
		Black Wire
		5-Pin Black Connector
		4-Pin White Connector
3	1	HT_CU_433-1 Heater Mount Bracket
4	1	Hardware Pack
	2	Insulation Displacement Crimp

Part#	Qty	Item Description
	6	#10 Stainless Steel Hose Clamp
	4	#16 Stainless Steel Hose Clamp
	6	M6 x 18mm bolt
	6	M6 nuts
	2	M6 x 12mm bolt
	14	M6 washers
5	1	Plastic Shut-Off Valve
6	4	50mm Vent
7	16"	2" Compressed Duct Hose
8	10"	2" Compressed Duct Hose

Part#	Qty	Item Description
9	6"	2" Compressed Duct Hose
10	4"	2" Compressed Duct Hose
11	10	Zip Ties
12	2	7/8" Aluminum Y
13	1	HT_CU_448-2
14	1	Radiator Hose
15	1	2.125" Hole Saw
16	1	1.25" Hole Saw



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 driver and passenger side doors and set aside.
2. Remove the driver and passenger front quarter panels and set aside.
3. Unclip the two rubber latches on the hood and move hood out of the way.

HOLE DRILLING

4. Attach cab heater loosely to the cab heater bracket as shown. *FIGURE 1*



FIGURE 1

5. Hold bracket in place under dash to mark holes for drilling.

6. Drill previously marked locations. *FIGURE 2*

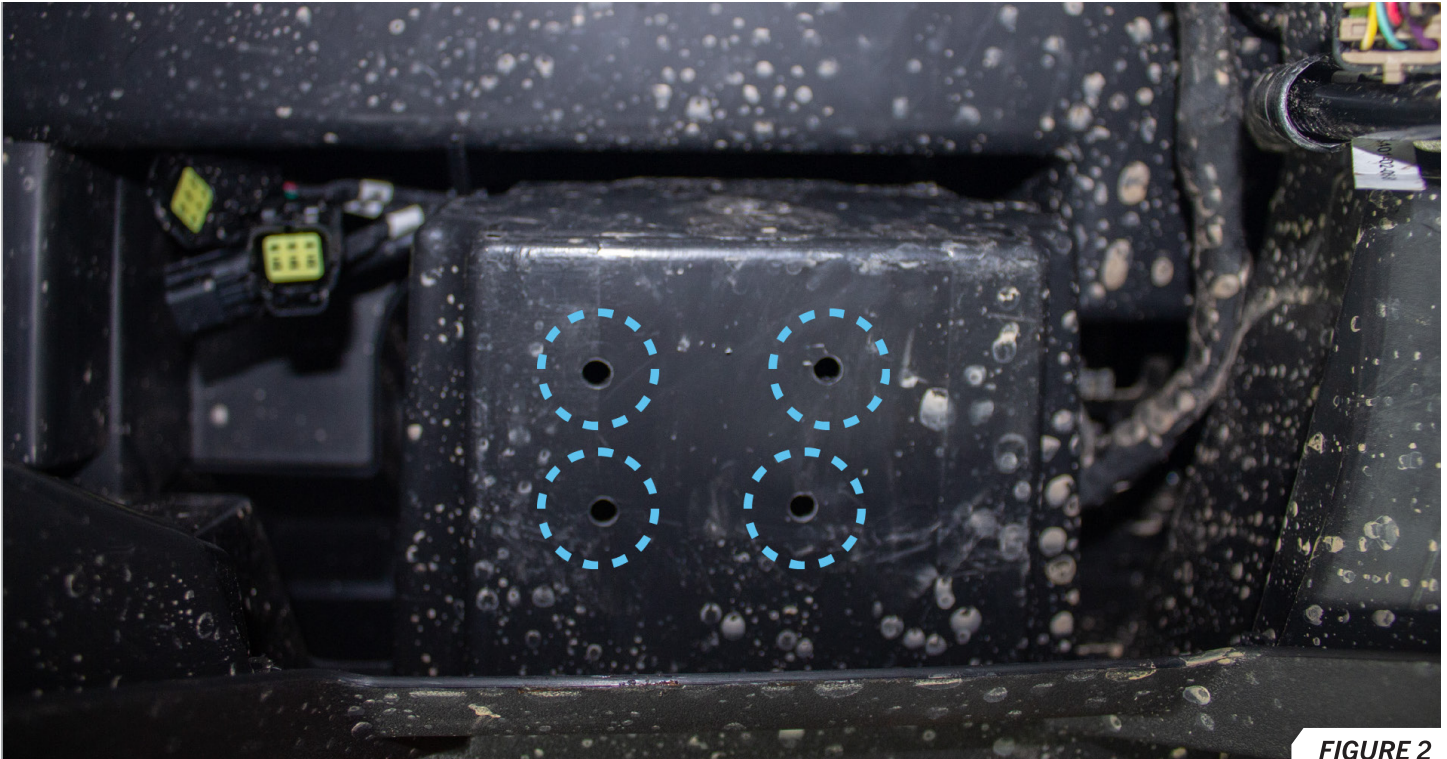


FIGURE 2

7. Mark drill location on driver side upper dash.
8. Drill previously marked location. *FIGURE 3*



9. Mark drill location on driver side firewall. *FIGURE 4*
10. Drill previously marked location.

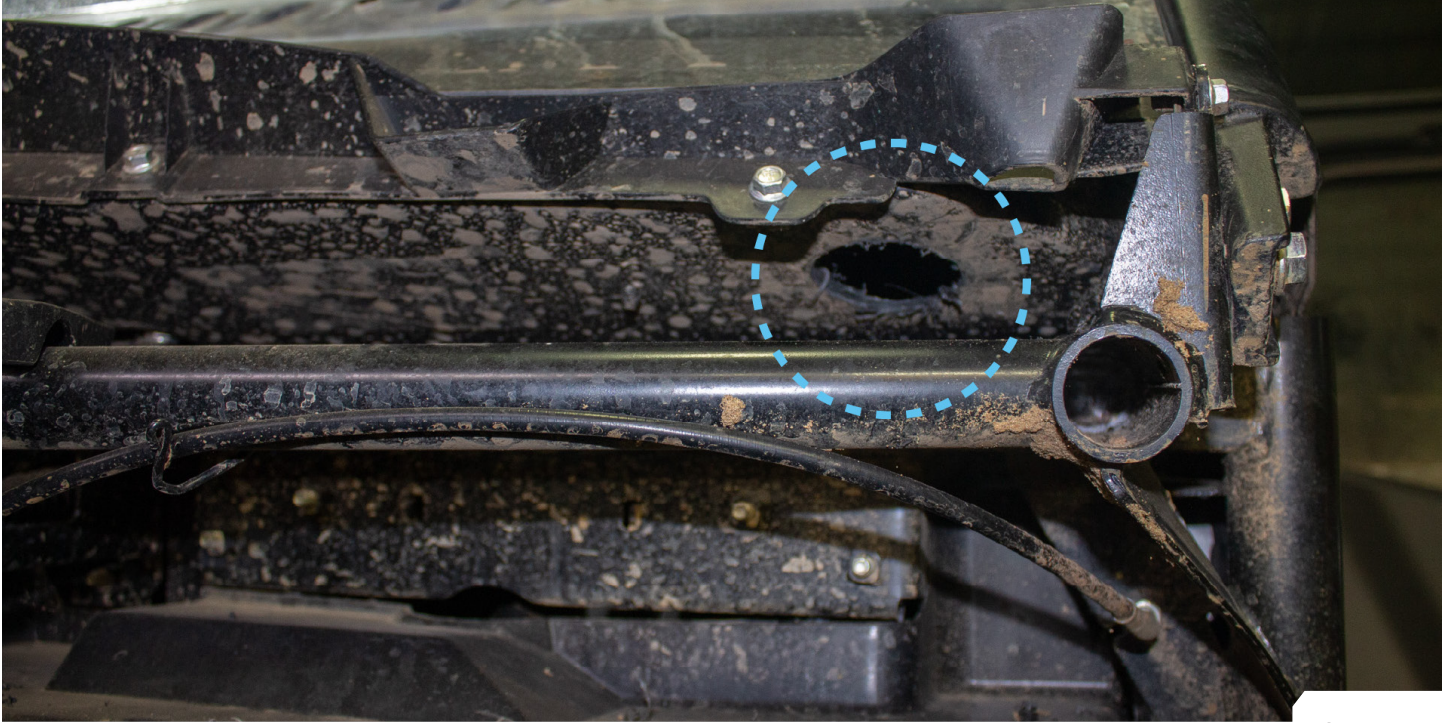
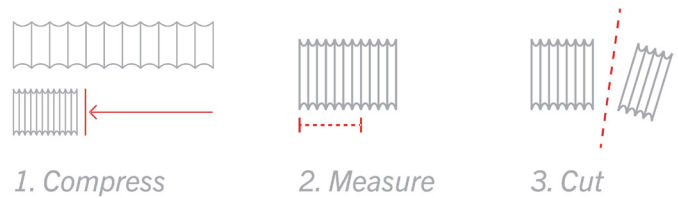
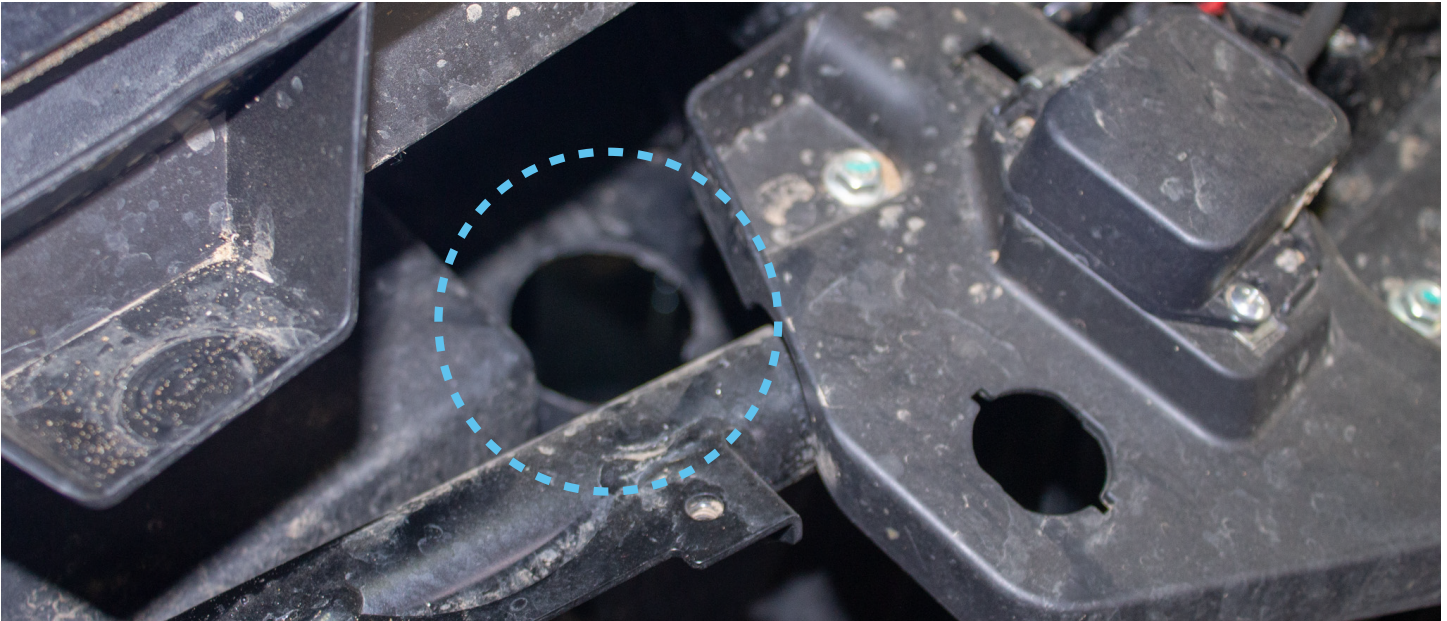


FIGURE 4

11. Attach the 16" section of 2" duct hose to the 50mm vent and secure with a zip tie.
12. Feed hose through both holes on driver side, and clip vent into place.
13. Mark drill location on passenger side lower firewall
14. Drill previously marked location. Figure 5





15. Route hose from step 10 through front under hood area and through the previously drilled hole into foot area. Figure 6

FIGURE 5



16. Drill previously marked location.

FIGURE 6



17. Mark drill location on passenger side upper dash and glove box. Figure 7

FIGURE 7

18. Attach 10" section of 2" duct hose to 50mm vent and secure with a zip tie

19. Feed hose through both holes on passenger side and into foot area, and clip vent into place

20. Mark drill location on passenger side lower dash

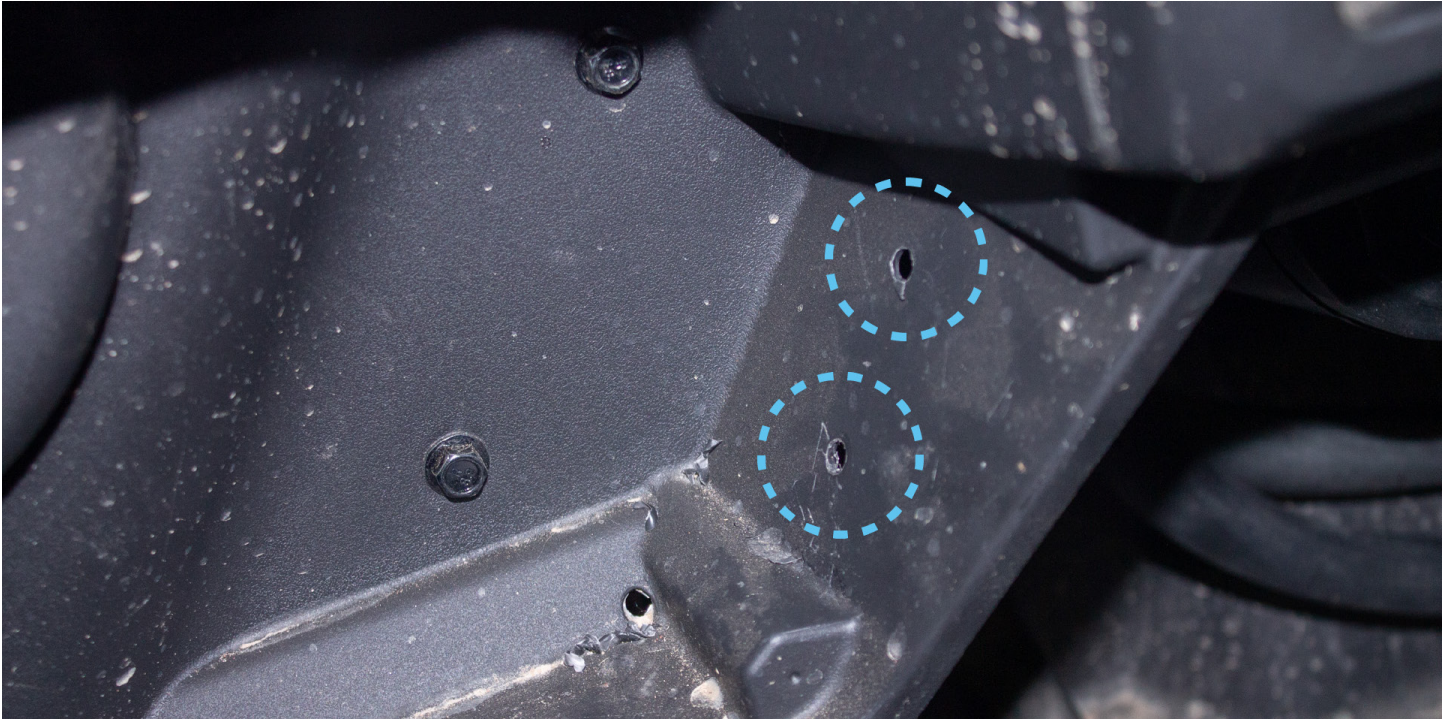
21. Drill previously marked location. Figure 8



FIGURE 8

HEATER INSTALLATION

22. Attach 6" section of 2" duct hose to 50mm vent and secure with a zip tie.
23. Mark drill location on driver side lower dash.
24. Drill previously marked location. Figure 9



25. Connect vent bracket to lower dash with provided hardware. Figure 10

FIGURE 9

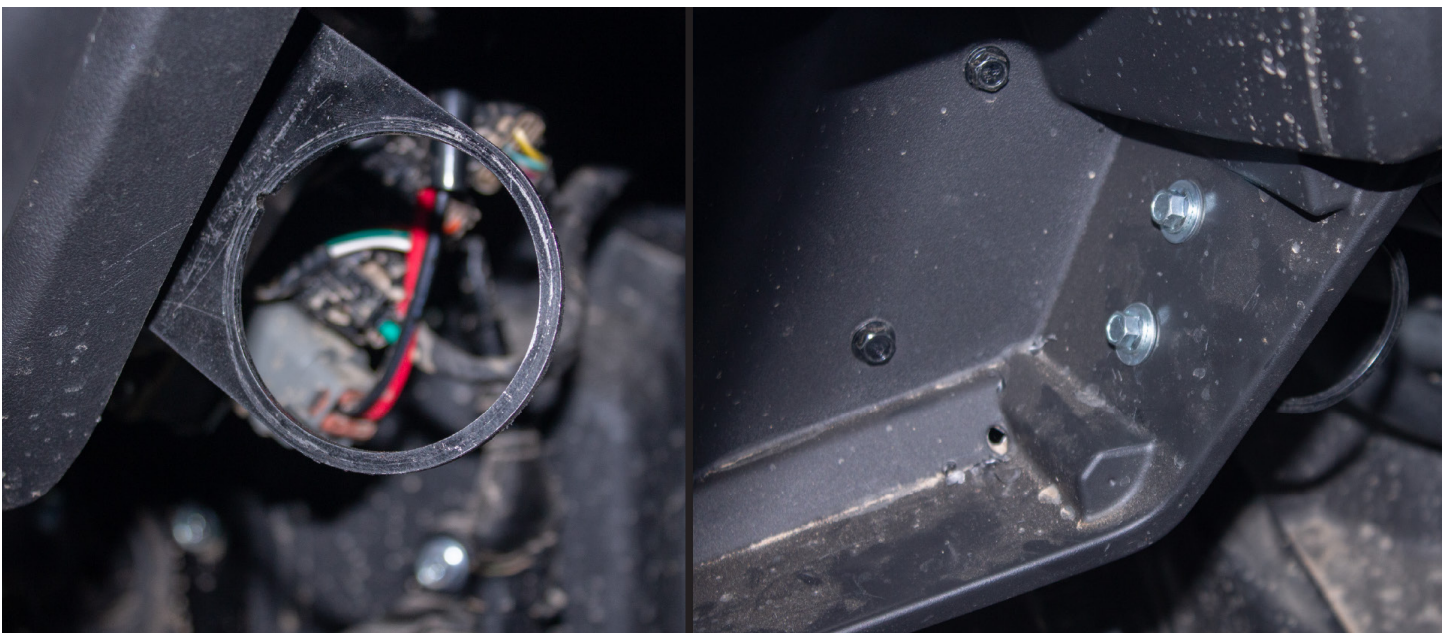


FIGURE 10

26. Attach 4" section of 2" duct hose to 50mm vent and secure with a zip tie.
27. Remove switch panel on dash.
28. Mark the center of the 3-position switch bezel, then remove the bezel and drill out the hole with a 7/16" drill bit. Figure 11

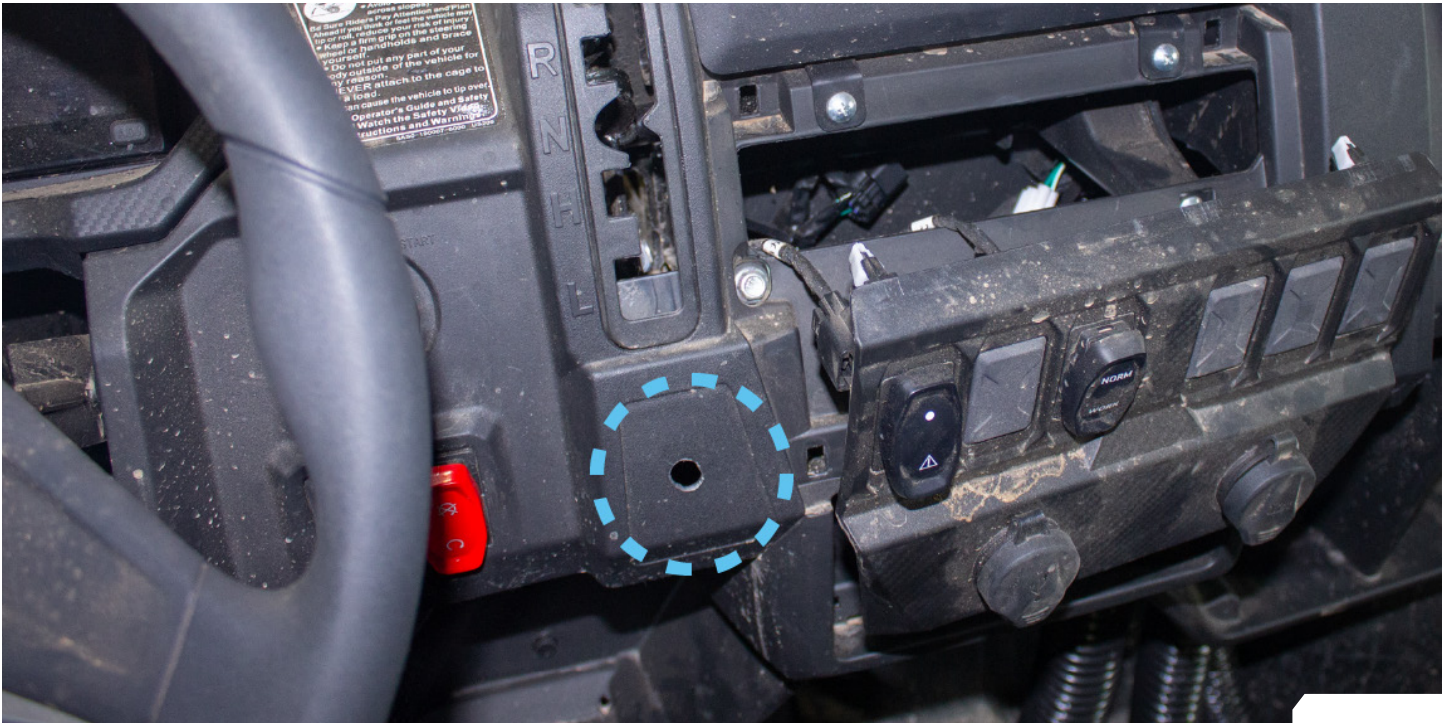


FIGURE 11

29. Hook up electrical components (instructions listed on the following page).

SWITCH WIRING

30. Locate the 36" wiring harness and ensure the wires are correctly connected to the 5-pin black connector as shown in Figure 10 and the 4-pin white connector as shown in Figure 11.

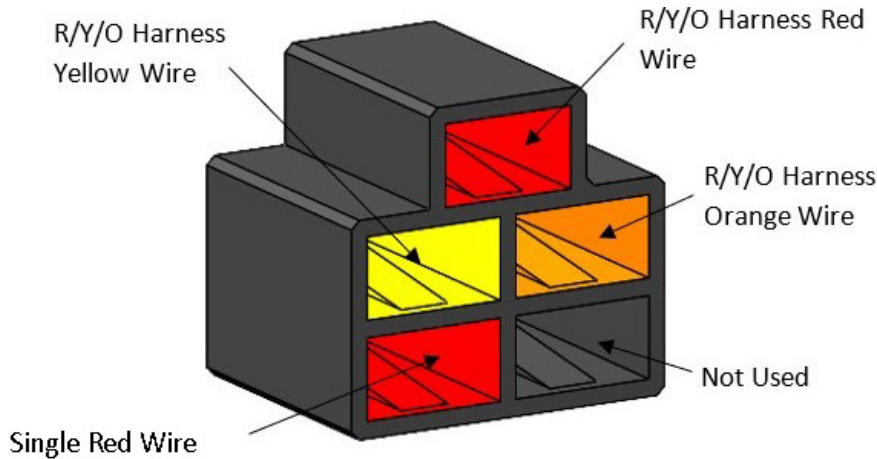


FIGURE 10

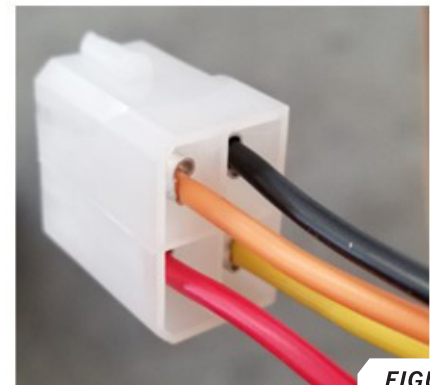
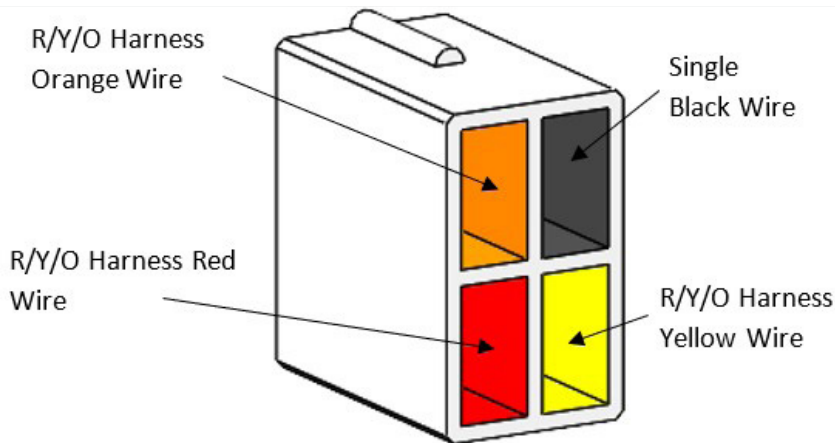


FIGURE 11

31. Connect the 5-pin black connector to the 3-position switch included in the kit.
32. Insert the switch from the back of the console panel through the 7/16" hole drilled earlier, then secure using the low-profile hex nut included in the switch bag. Disregard the flex lock washer.
33. 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 12.
34. Place the bezel over the switch so that the 0,1,2,3 markings are visible.



FIGURE 12

RADIATOR HOSE INSTALLATION

35. Connect positive (red) wire keyed powered source (any power source that is only powered when the vehicle is on)
36. Connect negative (black) wire to negative battery terminal
37. Test electrical connections by running the cab heater fan.
38. Mark drill locations in passenger side firewall area.
39. Drill previously marked location. Figure 12



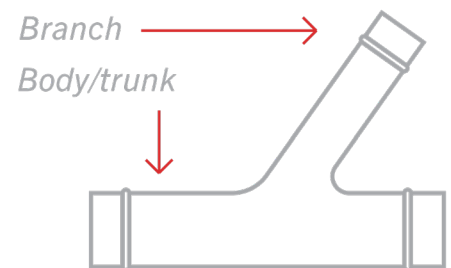
FIGURE 12

40. Insert provided rubber grommets into previously drilled holes.
41. Note inlet and outlet coolant hoses coming from the radiator. Figure 13



FIGURE 13

42. Clamp both ends of factory inlet coolant hose and cut, then install 1" aluminum Y with the branch facing down.
43. Secure with #16 hose clamps.
44. Cut provided coolant hose into two sections.
45. Attach one section of coolant hose to highest port on cab heater unit
46. Secure with #10 hose clamp
47. Route coolant hose through previously drilled hole in firewall.
48. Connect coolant hose to aluminum Y.
49. Secure with #10 hose clamp.
50. Mark location on cab heater hose for shut off valve.
51. Cut cab heater hose for shut off valve.



52. Install shut off valve and secure with #10 hose clamp. Figure 14



FIGURE 14

53. Attach second section of coolant hose to lower port on cab heater unit.
54. Secure with #10 hose clamp.
55. Route hose through previously drilled hole. Figure 15



FIGURE 15

56. Clamp both ends of factory outlet coolant hose and cut, then install 1" aluminum Y.
57. Secure with #16 hose clamp.
58. Connect coolant hose to aluminum Y
59. Secure with #10 hose clamp Figure 16



FIGURE 16

60. Install cab heater and bracket to under dash area using provided M6 hardware.
61. Connect duct hoses to cab heater and secure with zip ties. Figure 17

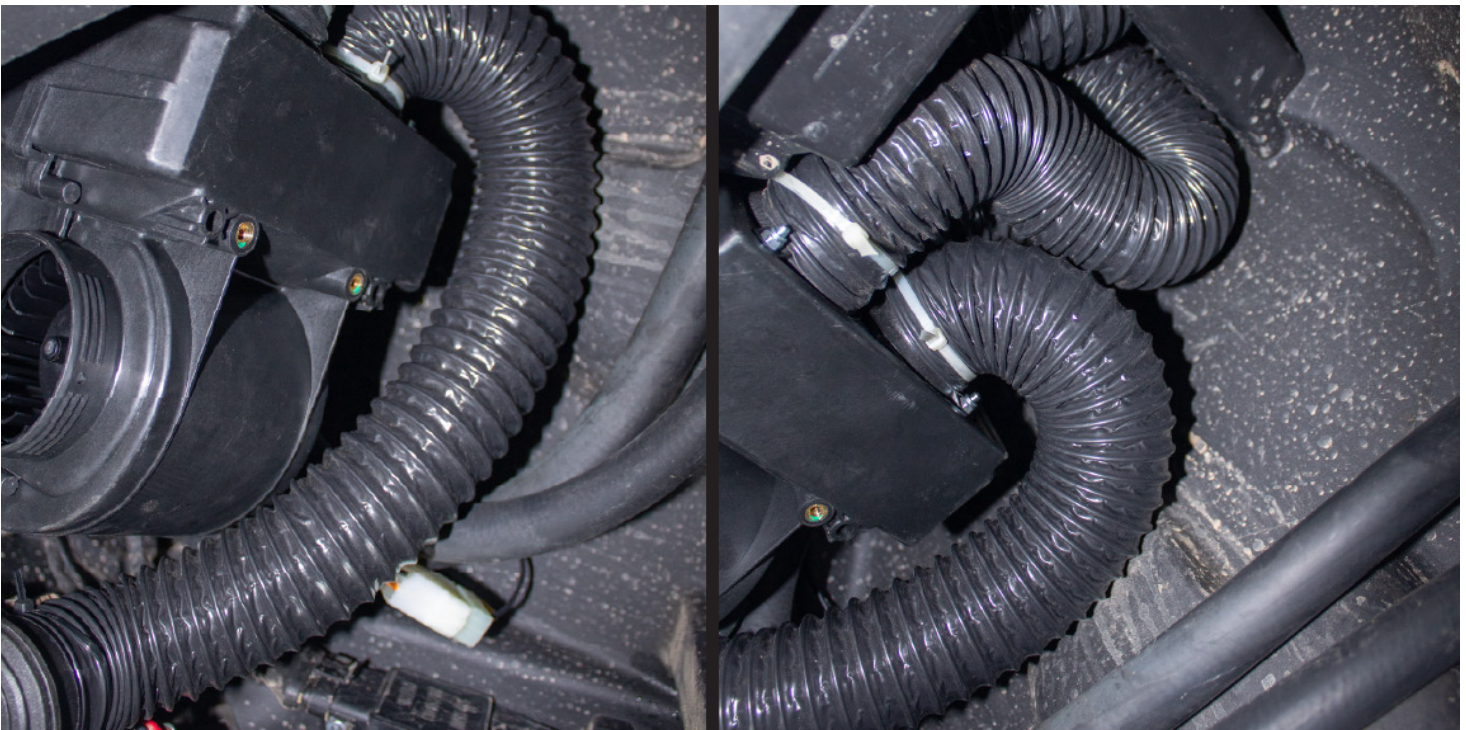




FIGURE 17

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.

 Look at owner's manual for manufacturer-approved coolant

62. Fill radiator with coolant until radiator is full.
63. Open the shutoff valve.
64. Close the radiator cap and drive the machine around until heat comes through the vents or the machine's engine temperature goes above 200F.
65. Turn off the machine and wait for it to cool down.
66. Open the radiator cap and add more coolant.
67. Repeat the steps in this section until this consistent heat is coming out of the vents and machine temperature gauge stays under 200F.
68. Verify that no leaks have occurred and that the radiator fluid level is per the manufacturer's specifications.

REASSEMBLING PANELS

69. Reinstall the drive and passenger quarter panels.
70. Reinstall the driver and passenger doors.
71. Reattach the hood struts to the hood.

REPLACEMENT PARTS



Replacement parts can be ordered from 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
50mm Vent	HT_50mm_Louver
FIRESTORM Heater Motor	RPL_HT_CU_Fan_and_Motor
3-Position Switch	HT-FanSwitch
5/8" Coolant Hose	HT_RadiatorHose_20
7/8" Aluminum Y	HT_AluminumY_7/8

Item Description	SKU
Shut-Off Valve	HT_Plastic_Shut-off_Valve
Hole Saw Pilot Bit	HT_PilotBit
2 1/8" Hole Saw	HT_2.125_SAW
Plenum Vent	HT_Plenum
Vent Grille	HT_VentGrille

Scan this QR code to see the full list of FIRESTORM replacement parts on motoalliance.com



Scan this QR code to get more tech help, watch troubleshooting videos, or submit a help form on motoalliance.com

