



motoalliance



FIRESTORM

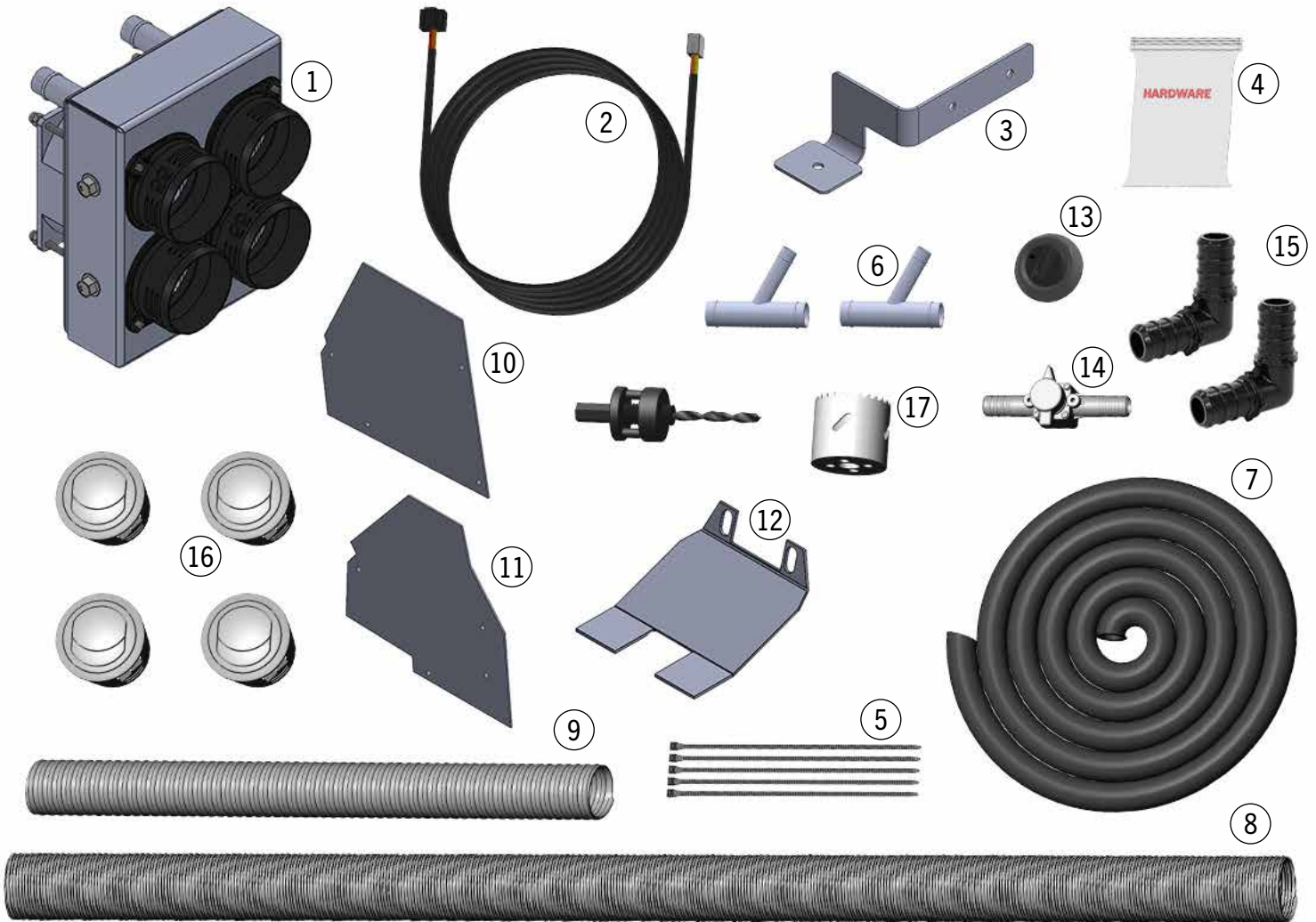
C A B H E A T E R S

CanAm Maverick X3 Cab Heater

HT_CU_445

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_445-1 Heater Bracket
4	1	Hardware Pack
	2	Displacement Crimps

Part#	Qty	Item Description
2	2	M6 Bolt 20mm
	2	M6 Hex Nut
10	10	#10 Hose Clamp
	2	#16 Hose Clamp
5	10	Zip Ties
6	2	1" Aluminum Y
7	1	10' Radiator Hose
8	1	20" Compressed Duct Hose
9	1	10" Compressed Duct Hose
10	1	Driver Side Plastic Trim

Part#	Qty	Item Description
11	1	Passenger Side Plastic Trim
12	1	Switch Plastic Trim
13	1	3-Position Switch
14	1	Shutoff Valve
15	2	Brass Elbow
16	4	50mm Vents
17	1	2 1/8" 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 plastic cover in the center console.
2. Cut a section out of the plastic cover, leaving 5/8" on both sides and 2" inches on the bottom.

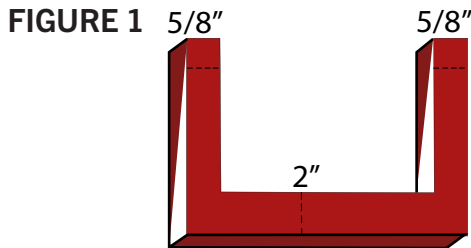


FIGURE 1

3. Uninstall center dash trim. **NOTE:** There is a plastic rivet behind the ignition.
4. Remove passenger glove box. **NOTE:** You might need to loosen some bolts on the upper dash.
5. Remove electronic panel from the center dash trim. **NOTE:** There are 4 screws on the bottom of the electronic panel.
6. Cut the area out on the passenger side of electric panel. **FIGURE 2**



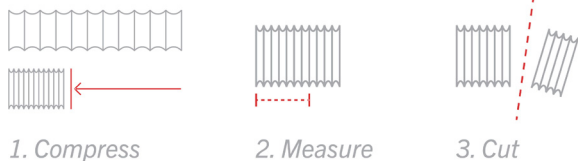
FIGURE 2

Passenger Defrost Vent

7. Use the hole saw to cut out a defrost vent on the passenger side of the center dash. **FIGURE 3**
8. Debur the hole and insert a 50mm vent.
9. Cut a 5" section of from the 20" compressed duct hose.



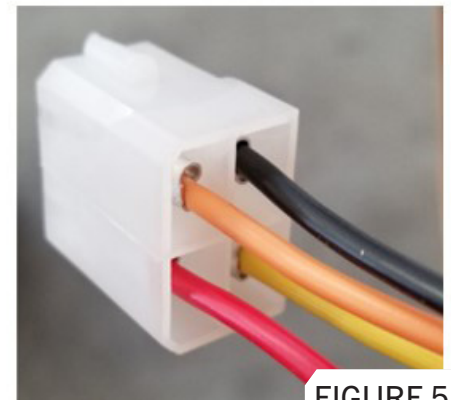
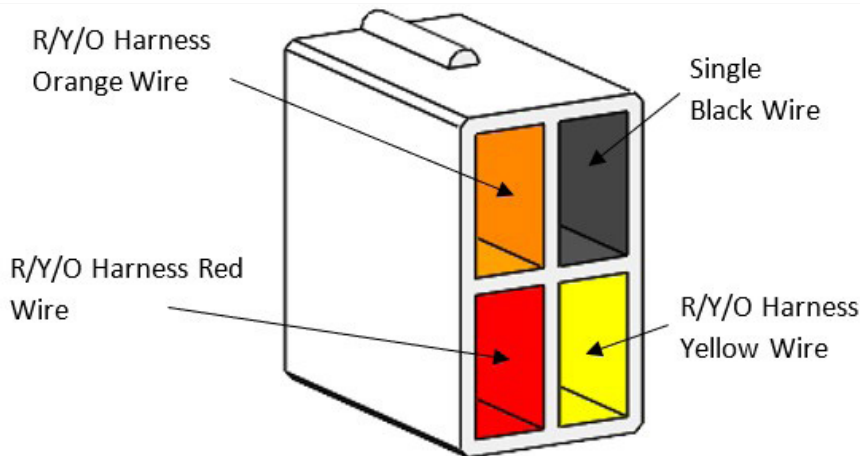
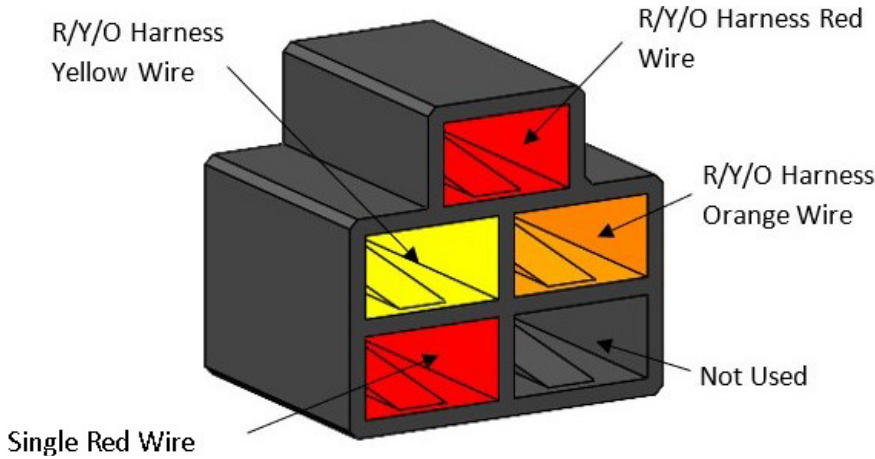
FIGURE 3



10. Run the hose from the center storage compartment up to the 50mm vent.
11. Connect the hose to the vent and secure using a zip tie. **FIGURE 3**

SWITCH WIRING

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



Electrical

13. Locate the 36" wiring harness and ensure the wires are correctly connected to the 5-Pin Black Connector as shown in FIGURE 4, and the 4-Pin White Connector as shown in FIGURE 5.
14. Connect the 5-Pin Black Connector to the 3-Position Switch included in the kit.
15. Connect the red and black wire from the wiring harness to the negative and positive posts on the bottom side of the electronic panel. FIGURE 6
16. Reinstall the electronic panel to the center trim.
17. Reinstall the glovebox and the center trim.



FIGURE 6

DRIVER SIDE DEFROST

18. On the driver side dash locate a flat spot next to where the speaker would be.
19. Use the hole saw to drill out the vent and insert the 50mm vent. FIGURE 7
20. Cut an 8" section of duct hose from the 20" compressed duct hose.
21. Secure the duct hose to the 50mm vent using zip ties.
22. Route duct hose to the center console.



FIGURE 7

DRIVERS SIDE FOOT VENT

23. Locate flat space on the driver side of the plastic cover. **FIGURE 8**
24. Use the hole saw to cut out a section of the plastic cover and insert a 50mm vent. **FIGURE 8**
25. Cut a 6.5" compressed section out of the 10" duct hose.
26. Secure the duct hose to the 50mm vent with zip ties.



FIGURE 8

PASSENGER SIDE FOOT VENT

27. Locate flat space in the passenger side footwell. **FIGURE 9**
28. Use the hole saw to drill out the vent and insert the 50mm vent. **FIGURE 9**
29. Cut a 4" section of duct hose from the remaining 20" duct hose.
30. Secure the duct hose to the 50mm vent with zip ties.



FIGURE 9

RADIATOR HOSE

31. Cut the 10' radiator hose into two 5' sections.
32. In the front of the machine, locate where the wiring leaves the cab of the machine and enters the cab. FIGURE 10
33. Cut the zip ties around the rubber connector.
34. Run the radiator hoses through the rubber connector and into the center console of the machine.
35. Connect the two radiator hoses to the heater and secure them using the #10 hose clamps.
36. Install the heater mount into the center console. FIGURE 11
37. Connect the duct hoses to the heater and secure them using a zip tie.
38. Connect the heater to the mount using the M6 hardware. NOTE: You might need to do some additional trimming to the plastic cover. FIGURE 12

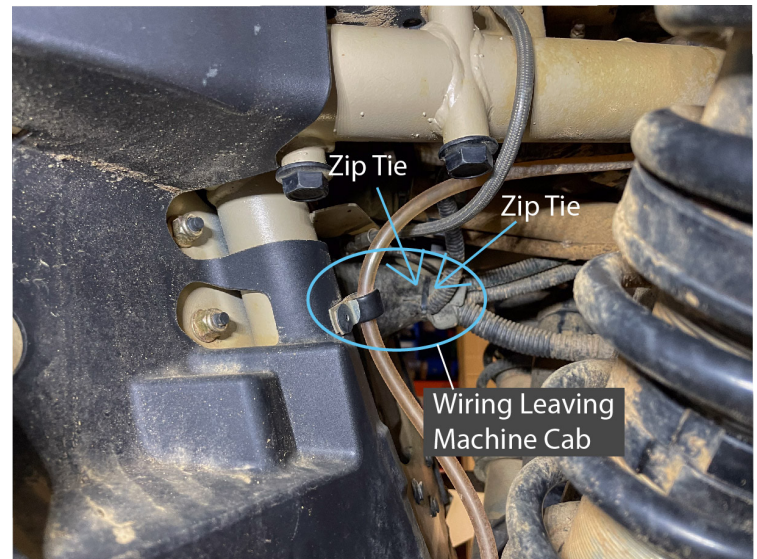


FIGURE 10



FIGURE 11



FIGURE 12

39. Run one hose into the driver side at a spot in the wheel well where you can reach. Cut the hose, and install the shutoff valve using the #10 hose clamps. FIGURE 13
40. Cut any excess radiator hose so the hose can stretch forward without hitting the radiator. FIGURE 14.
41. Insert the 90° bend and secure with a #10 hose clamps.
42. Connect the trimmed section to the other side of the 90° bend and secure with a #10 hose clamp. FIGURE 14
43. Clamp the driver side main radiator line, on both sides of the straight section.
44. Cut the radiator line and insert the 1" aluminum Y, secure using the #16 hose clamps. FIGURE 13
45. Connect the radiator hose from the 90° bend to the 1" aluminum, trim excess, and secure using the #10 hose clamp.
46. Stretch the other radiator hose from the heater so it doesn't hit the radiator and cut the excess.
47. Insert the 90° bend and secure with #10 hose clamps.
48. Connect the trimmed section to the other side of the 90° bend and secure with a #10 hose clamp.
49. Clamp the passenger side main radiator line, on both sides of the straight section.
50. Cut the radiator line and insert the 1" aluminum Y, secure using the #16 hose clamps. FIGURE 15

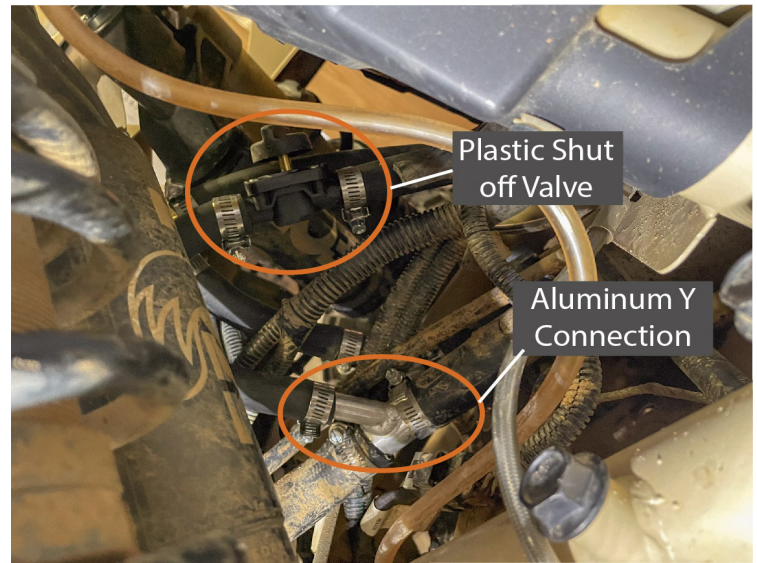


FIGURE 13

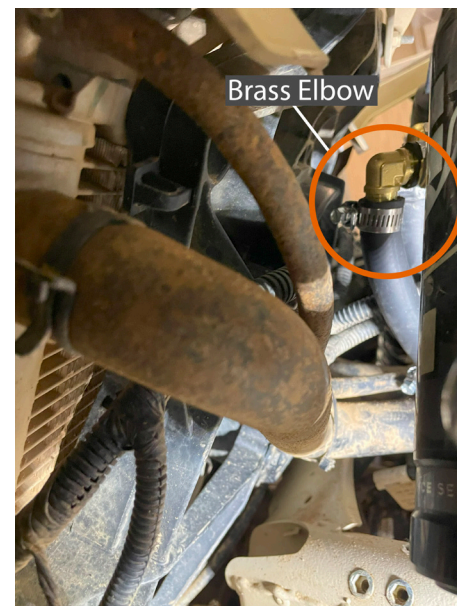


FIGURE 14



FIGURE 15

51. Connect the radiator hose from the 90° bend to the 1" aluminum, trim excess, and secure using the #10 hose clamp.

BLEEDING AND RE-ASSEMBLY

52. Connect the plastic switch plate into the center console. **FIGURE 16**
53. Insert the switch and secure with the nut and connect the black connector to the switch



FIGURE 16

54. Connect the 5-Pin Black Connector to the 3-Position Switch included in the kit.
55. Insert the switch from the back of the dash panel, where the 7/16" hole was drilled. Secure using the low-profile hex nut included in the switch bag. Disregard the flex lock washer. Reference Figure 17 for location.
56. 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 17**



FIGURE 17

57. Line up the driver side plastic cover with the center consol and use a drill bit 5/16 and secure with the plastic rivets. **FIGURE 18**
58. Connect the passenger side plastic cover, lineup with the two existing plastic rivet holes and drill out the rest.



FIGURE 18

59. Secure using the supplied plastic rivets.

FIGURE 19



FIGURE 19

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.

1. Fill radiator with coolant until radiator is full.
2. Open the shutoff valve.
3. 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.
4. Turn off the machine and wait for it to cool down.
5. Open the radiator cap and add more coolant.
6. Repeat the steps in this section until consistent heat is coming out of the vents and machine temperature gauge stays under 200°F.

Look at owner's manual for manufacturer- approved coolant

BEFORE YOUR NEXT RIDE

7. Verify that no leaks have occurred and that the radiator fluid level is per the manufacturer's specifications.