



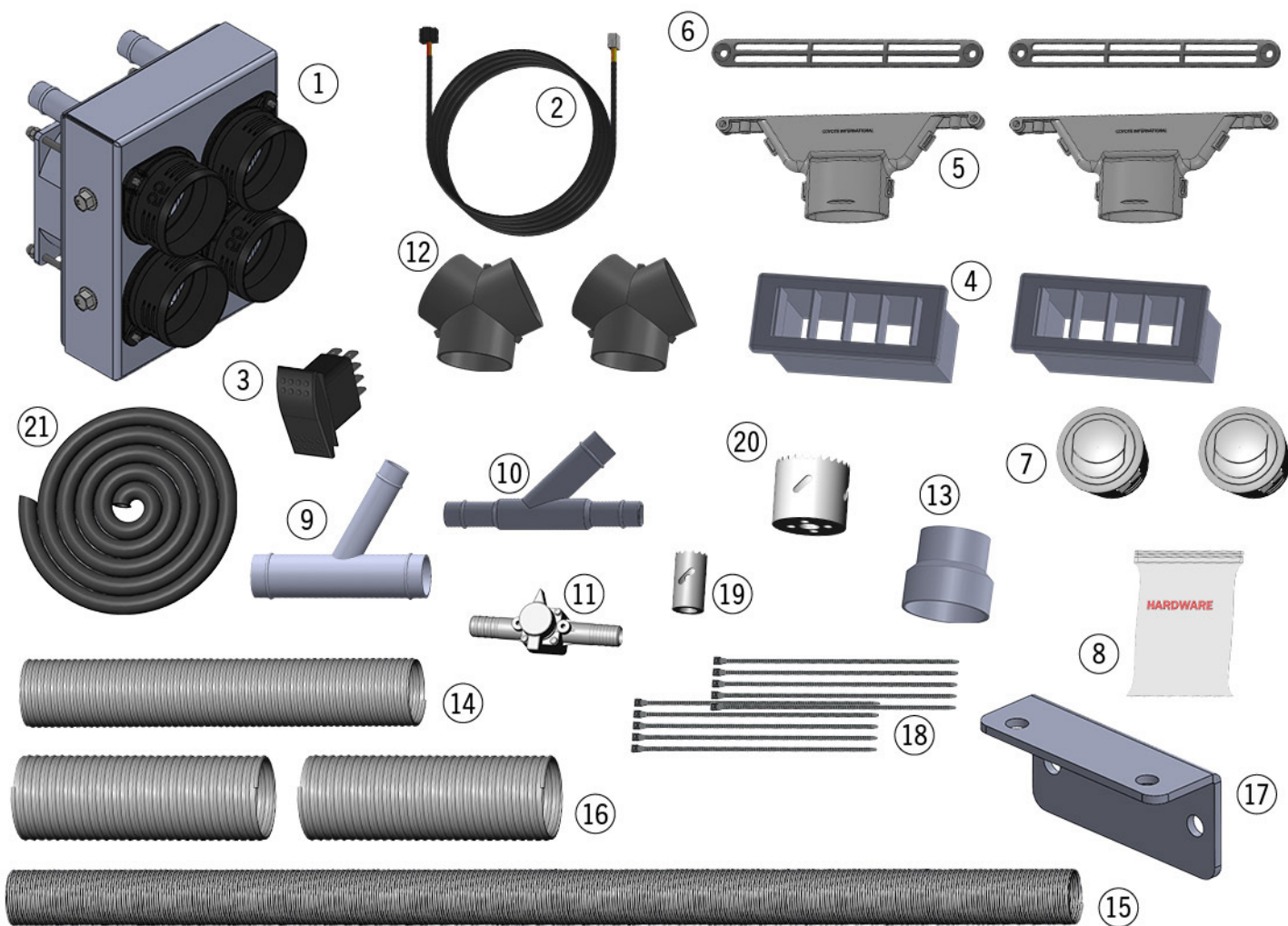
FIRESTORM
C A B H E A T E R S

CFMoto UForce U10 Cab Heater

HT_CU_471

INSTALLATION INSTRUCTIONS

PARTS LIST



Part#	Qty	Item Description
1	1	FIRESTORM Cab Heater Unit
2	1	60" Wiring Harness
3	1	FIRESTORM Dash Switch
4	2	Delta Vents
5	2	Defrost Vents
6	2	Vent Covers
7	2	50mm Vents
8	1	Hardware
	2	M6-1x12mm

Part#	Qty	Item Description
	2	M6 Washer
	8	#10 Hose Clamp
	2	#16 Hose Clamp
	4	Self-tapping plastic screw
	2	Rubber Grommets
9	1	1.125" Aluminum Y
10	1	0.5" Aluminum Y
11	1	1" Shutoff Valve
12	2	2.5" plastic Y

Part#	Qty	Item Description
13	4	Step down
14	1	10" of 2" Compressed Duct Hose
15	1	15" of 2" Compressed Duct Hose
16	2	5" of 2.5" Compressed Duct Hose
17	1	HT_CU_471-1 Heater Bracket
18	2	Zip Ties
19	1	1 1/4" Hole Saw
20	1	2 1/8" Hole Saw
21	1	20' Radiator Hose



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 defrost cutouts and the two, center dash cutouts.
2. Cut out the delta templates (found in the back of the instruction booklet) and tape them to the two, center dash cutouts.
3. Using the templates, cut out the center dash cutouts.
4. Cut out the defrost templates (located at the end of the instruction booklet) and tape them to the two defrost cutouts.
5. Using the template, cut out the defrost vents.

DUCT HOSE

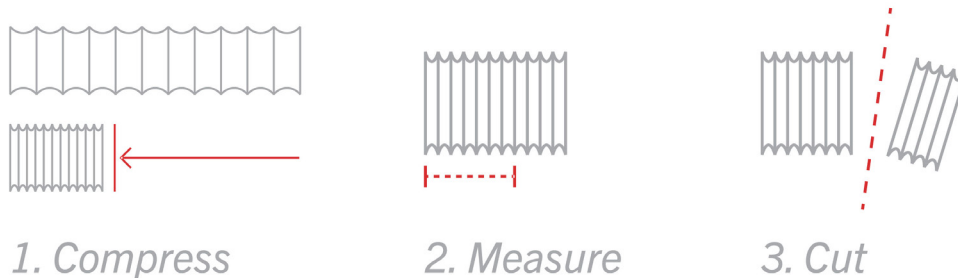


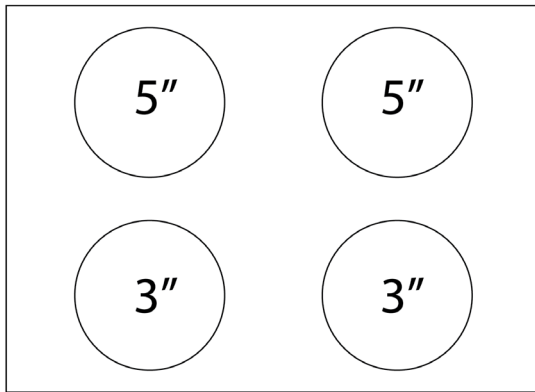
FIGURE 1

6. Cut the 15" of supplied, compressed duct hose into 4 separate lengths of 3" each. There will be a small amount left over.
7. Cut the 10" of compressed duct hose into 5" lengths.

8. Connect the 3" and 5" compressed duct host to the heater as illustrated in the diagram.

FIGURE 2

Firewall



Heatermount

FIGURE 2

9. Connect the step downs to the duct hose. Two are supplied for each 2.5" Y. FIGURE 3

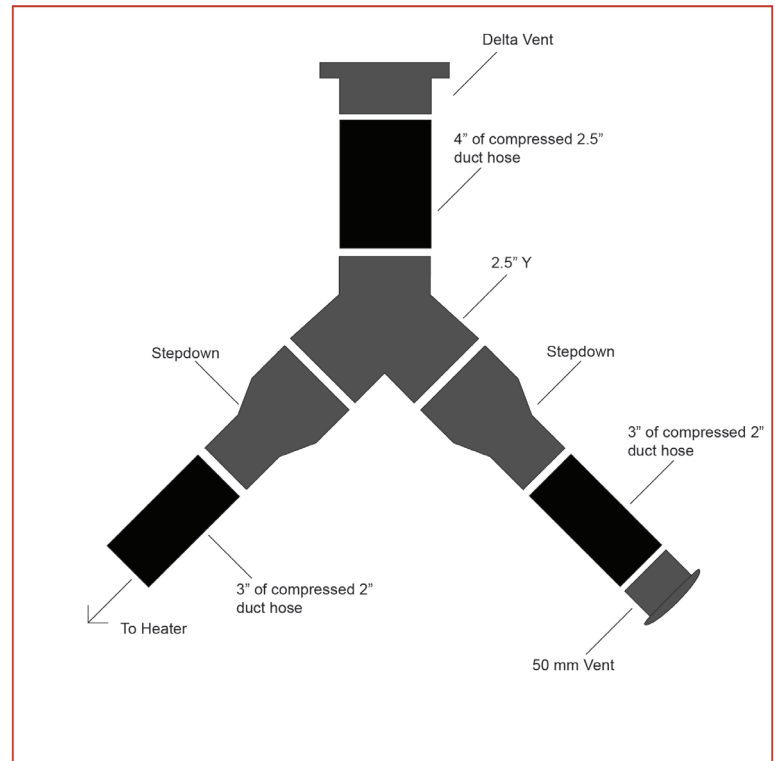


FIGURE 3

10. Run 3" of hose from the heater to the 2.5" Ys.

LOWER VENTS

11. Locate a spot on the lower dash where the 50mm vents will be installed using the 50mm cutouts.

FIGURE 4

12. Cut out the two locations using the 2-1/8" hole saw and debur.



FIGURE 4

13. Insert the 50mm vents.

14. Connect the 3" duct hose to the 50mm vents, secure with zip ties.

DELTA VENTS

15. Insert the delta vents into the cutouts.

16. Connect the 2.5" piece of duct hose to the delta vent by snipping the opposite sides of the hose, then wrapping it around the vent. FIGURE 5

17. Insert the delta vent into the dash. FIGURE 6

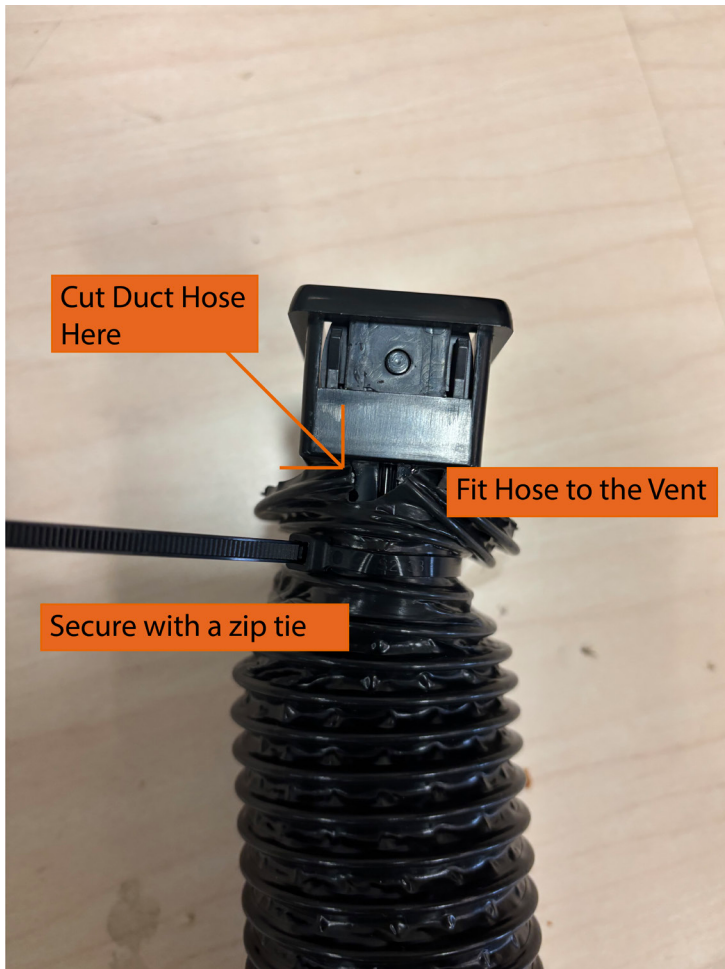


FIGURE 5



FIGURE 6

HEATER MOUNTING

18. Connect the heater mount to the heater using the M6 Bolts on the heater.
19. Remove the touchscreen from the dash.
20. Connect the heater mount to the machine using the M6 hardware provided. FIGURE 7

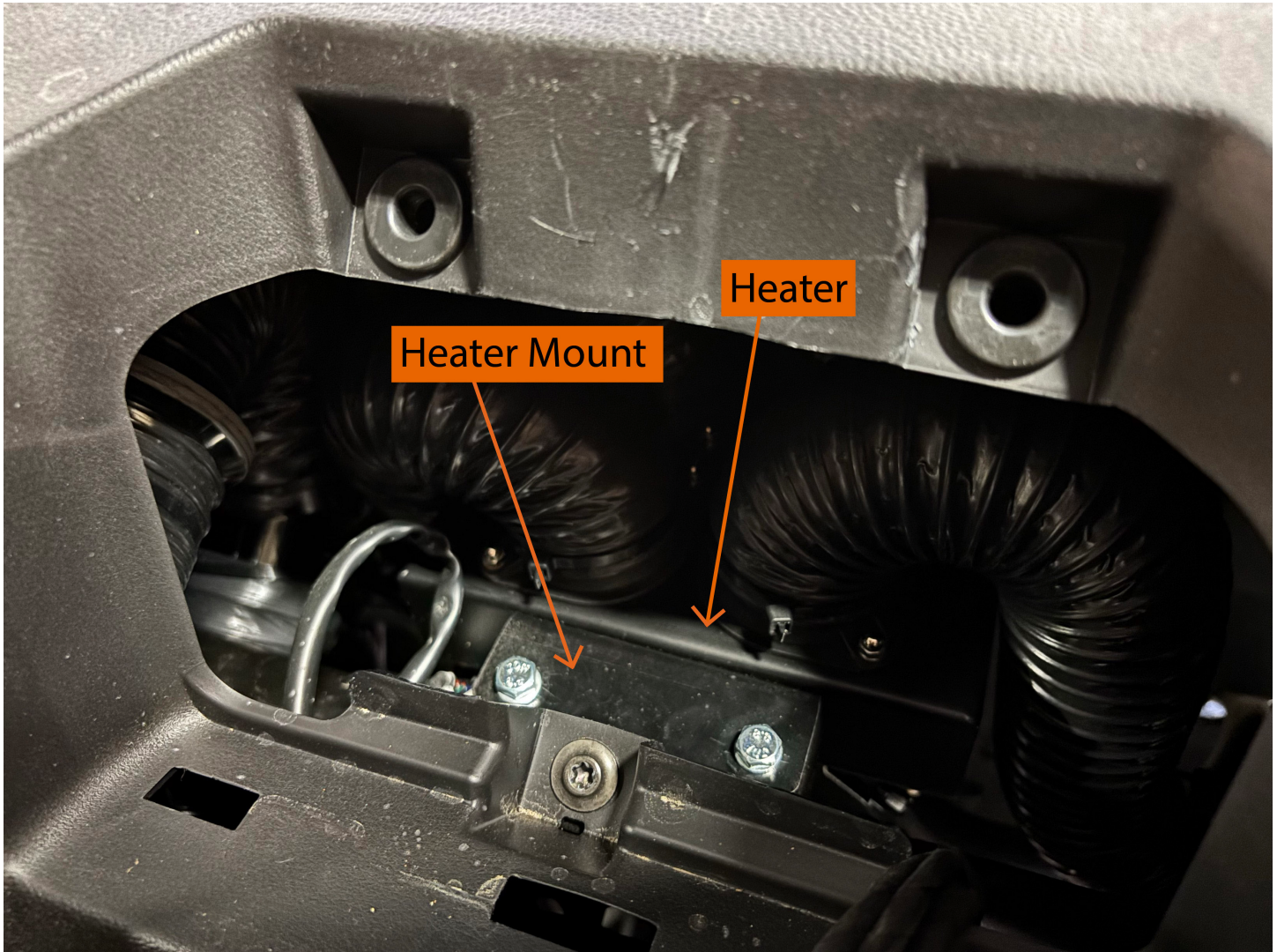


FIGURE 7

21. Connect hoses from the delta vents to the 2.5" Y's, secure with zip ties.
22. Connect the 3" hoses from the 50mm vent to the 2.5" Y, secure with zip ties.

DEFROST VENTS

23. Insert the defrost vent cutouts into the dash.
24. Place the defrost vent cover on cutout and align with the holes.
25. Use one self-tapping screw and partly insert to hold the vent cover.
26. Connect the two 5" duct hoses to the defrost vents, secure with zip ties.
27. Hold the defrost vent up to the cutouts and use the self-tapping screws to secure. NOTE: A second person may be needed to help with this step.

COOLANT HOSE

28. Drill out two spots on the fire wall next to each other using the 1 1/4" hole saw and insert rubber grommets.
29. Secure the radiator hose to the heater unit using the #10 hose clamps.
30. Remove the skid plate.
31. Run the radiator hoses through the firewall and through the drive shaft tunnel to the engine compartment.

32. Secure the radiator line to the frame in the drive shaft tunnel with zip ties. FIGURE 8

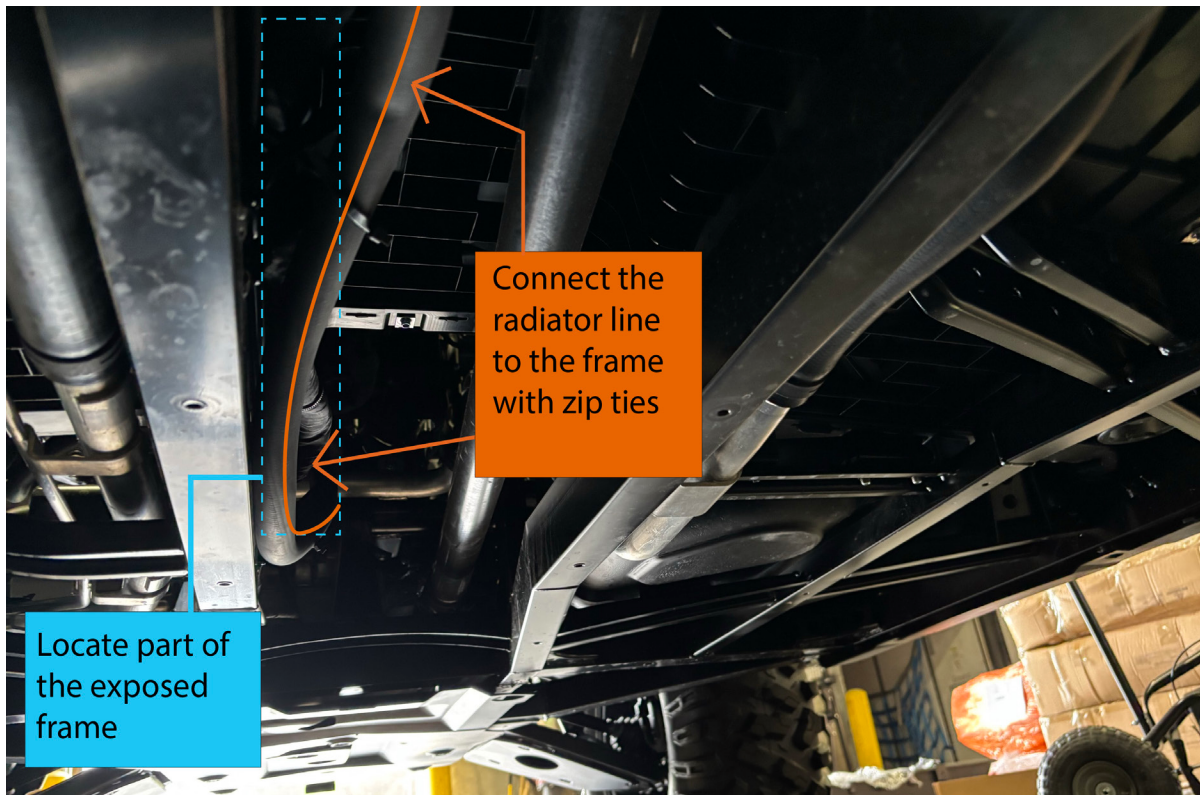


FIGURE 8

33. Locate the oil cooler line and clamp it closed.

34. Cut oil cooler line and insert 0.5" aluminum Y, with Y facing the back of the machine, and secure with #10 hose clamps. FIGURE 9

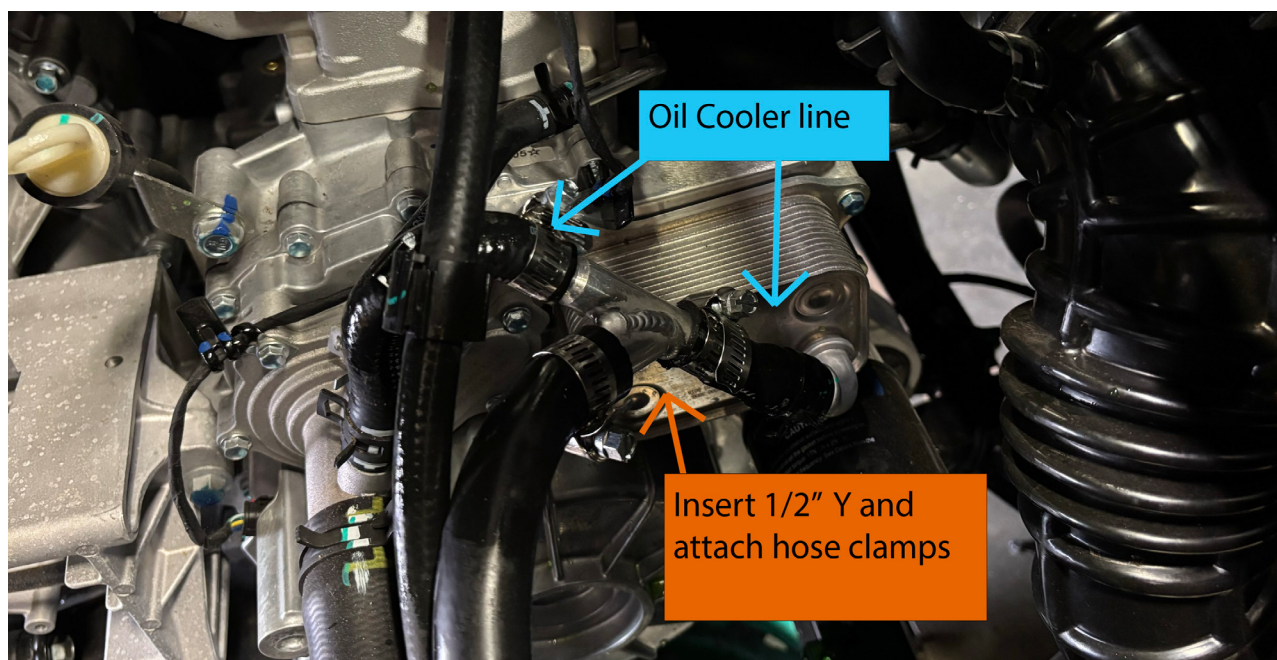


FIGURE 9

35. Check oil cooler line for kinks, cut line and adjust Y if needed.
36. Run radiator hose, from heater to the aluminum Y and cut excess off.
37. Secure radiator hose to aluminum Y with #10 hose clamps.
38. Connect the remaining radiator hose to the heater, secure with #10 hose clamp and route it to the engine compartment.
39. Secure radiator hose in the drive shaft tunnel with zip ties.
40. Locate the main radiator line and clamp it shut. FIGURE 10



FIGURE 10

41. Cut and insert the 1.125" aluminum Y, with the Y facing the back of the machine, and secure with #16 hose clamps.

42. Secure the radiator hose coming from the heater with #10 hose clamps. Trim any excess.

ELECTRICAL

43. Connect wiring harness to heater.

44. Insert dash switch into dash and connect the wiring harness.

45. Run the red and black wires to the front power supply.

46. Connect the red wire to "ACC". FIGURE 11

47. Connect the black wire to "B-". FIGURE 11

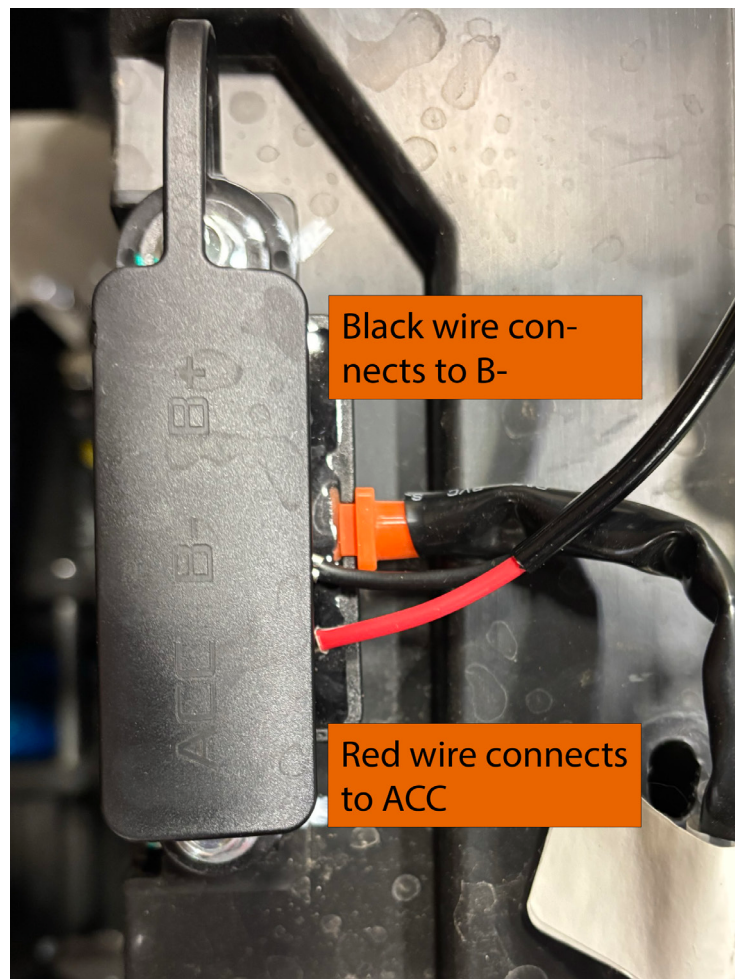


FIGURE 11

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.

48. Open coolant overflow reservoir.

 Look at owner's manual for manufacturer-approved coolant

49. Open the bleed valve on engine. FIGURE 12

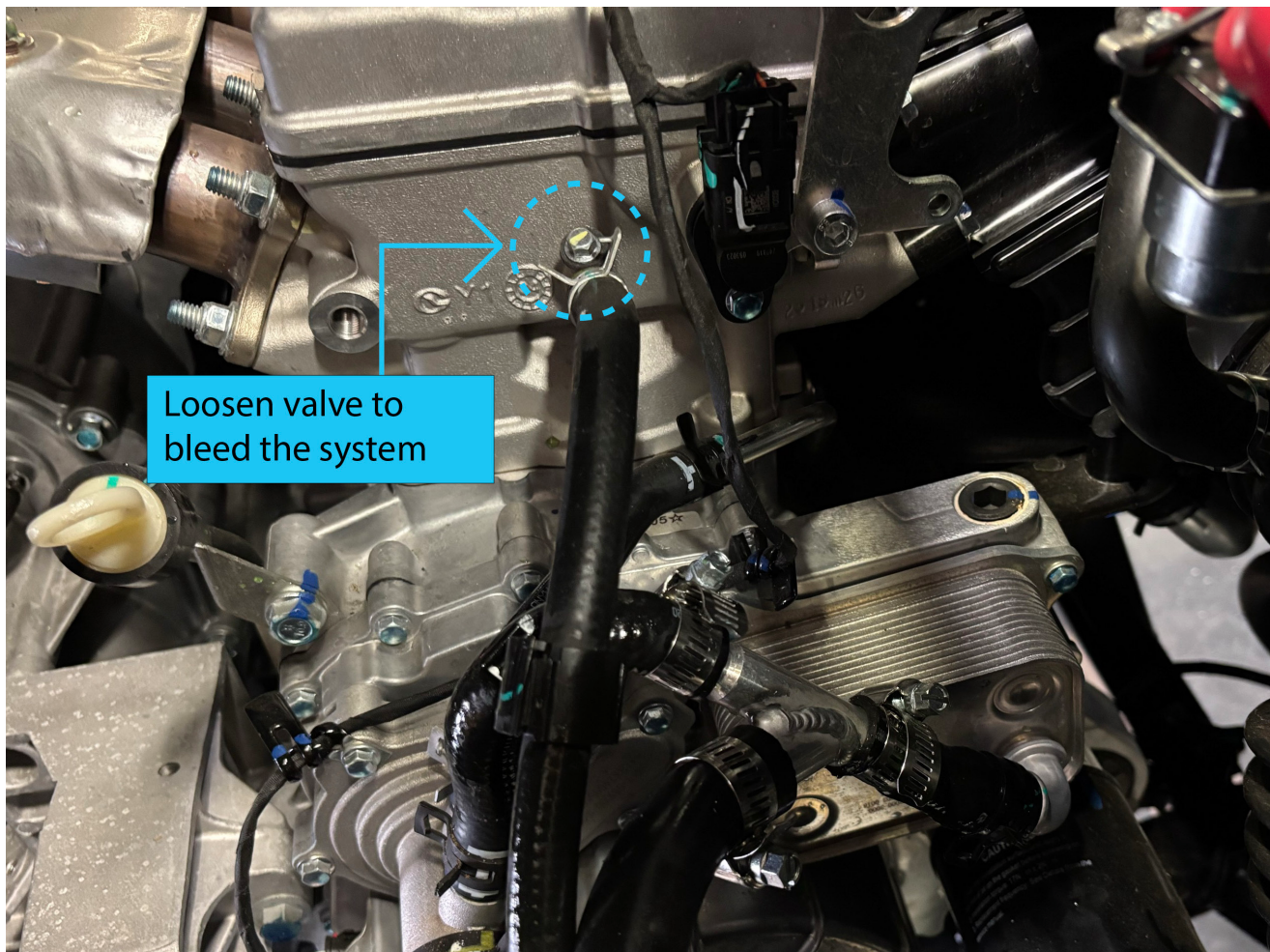


FIGURE 12

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50. Start the machine and rev the engine until coolant starts to flow constantly through the bleeder valve.
 51. Turn off the machine and close the bleeder valve.
 52. Check coolant level in the coolant overflow and refill if needed.
 53. Start the machine and rev the engine until either hot air comes out of the vents or the temperature approaches 200°F.
 54. If the temperature reaches 200°F, turn the machine off and let it cool and repeat steps 38-41.

