

## INSTALLATION INSTRUCTIONS

DESCRIPTION: Heater Kit  
PART NUMBER: B4J-K75L0-V0  
MODEL: 2021+ Wolverine RMax2, RMax4, X2 and X4



### **⚠ WARNING**

Please read and understand these instructions completely before installation to avoid possible injury, or damage to the accessory or vehicle.

### **NOTICE:**

Installation of this kit requires a torque wrench and should be performed by an authorized Yamaha dealer or a qualified mechanic.

### **WARRANTY INFORMATION:**

In the United States, see your Yamaha dealer for a copy of the Yamaha Genuine Parts and Accessories Limited Warranty.

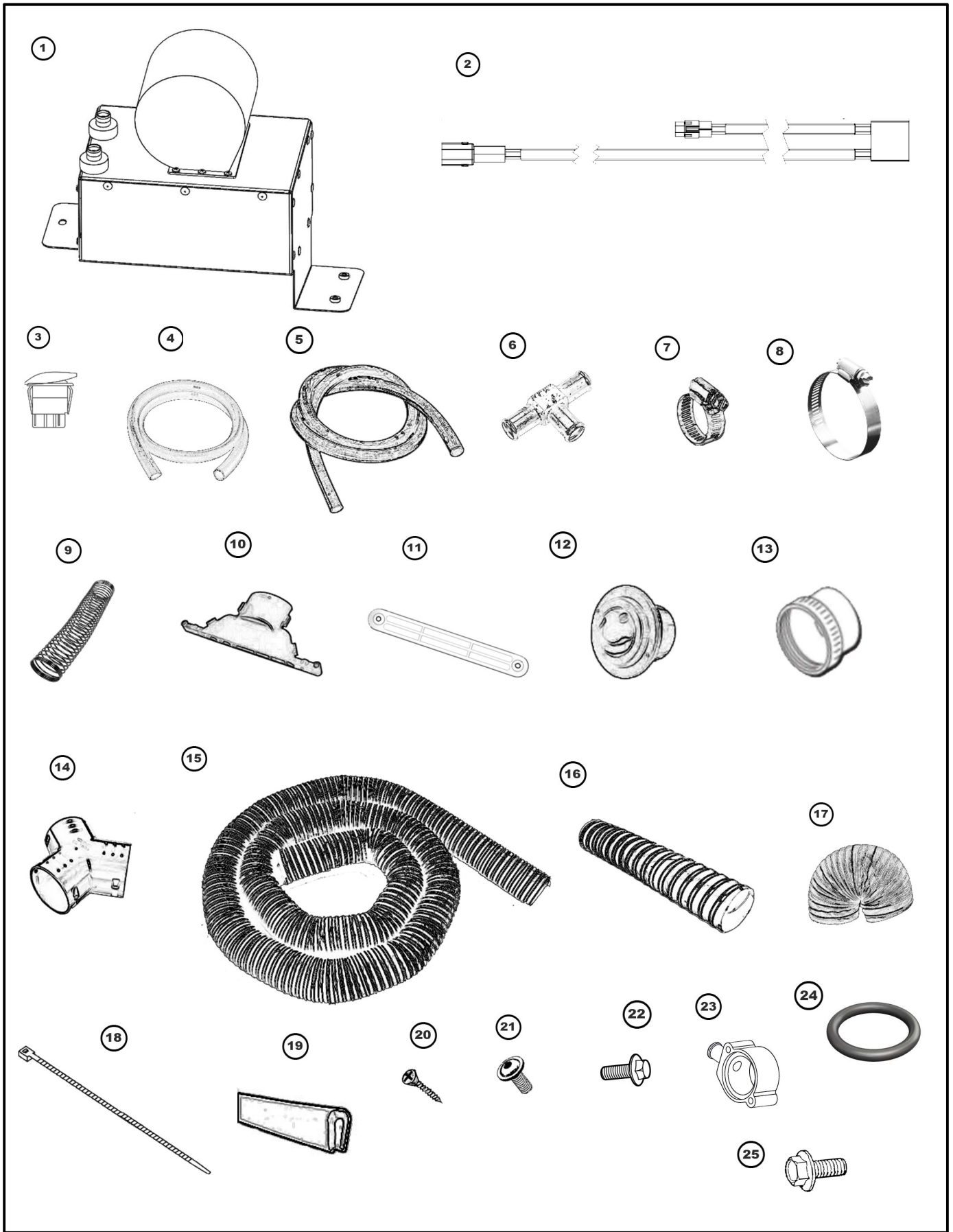
### **DEALER OR INSTALLER:**

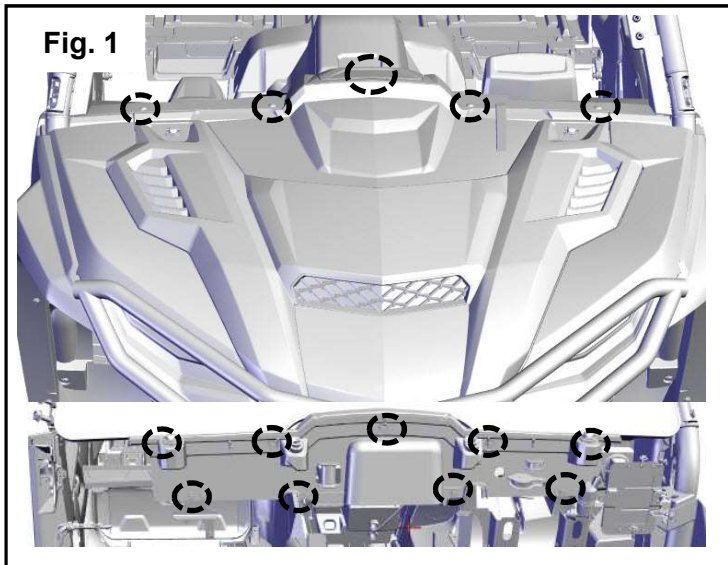
These instructions contain important information for future reference and *must* be given to the customer.

### **PARTS LIST:**

No.	Part Number	Description	Qty
--	B4J-K75L0-V0	Heater Kit	--
①	BG4-F840Y-V0*	Heater Assembly	1
②	BG4-H358Y-V0*	Wire Harness	1
③	BG4-H218G-V0*	3 Position Switch	1
④	B4J-E243A-V0*	970mm Heater Hose 1	1
⑤	B4J-E243E-V0*	1125mm Heater Hose 2	1
⑥	BG4-F244E-V0*	T Union	1
⑦	BG4-E1387-V0*	Hose Clamp 25mm	4
⑧	BG4-E1388-V0*	Hose Clamp 32mm	2
⑨	BG4-E4242-V0*	Guide Spring 305mm	1
⑩	BG4-E5473-V0*	Defroster Duct	2
⑪	BG4-F837V-V0*	Defroster Grille	2
⑫	BG4-F837W-V0*	Air Vent - threaded	2
⑬	BG4-E5475-V0*	Vent Adapter	2
⑭	BG4-F1813-V0*	Y Union	2
⑮	BG4-E3543-V0*	Hose 1, Air Hose 1300mm	2
⑯	BG4-E3545-V0*	Hose 2, Air Hose 280mm	2
⑰	BG4-E3546-V0*	Hose 3, Air Hose 140mm	2
⑱	BG4-F15A2-V0*	Cable Tie – 200mm	20
⑲	BG4-F196T-V0*	Edge Trim 50mm	2
⑳	BG4-E5588-V0*	Phillips Flat Head Screw	4
㉑	90111-06X05*	M6x10 Flanged Button Head Bolt	2
㉒	90105-06213*	M6x50 Flanged Hex Head Bolt	2
㉓	B4J-E2419-V0*	Thermostat Bypass	1
㉔	B4J-H182L-V0*	O-ring	1
㉕	BG4-E7087-V0*	M6x 16 Flanged Cap Bolt	1

\* Part supplied with kit only and not available separately.





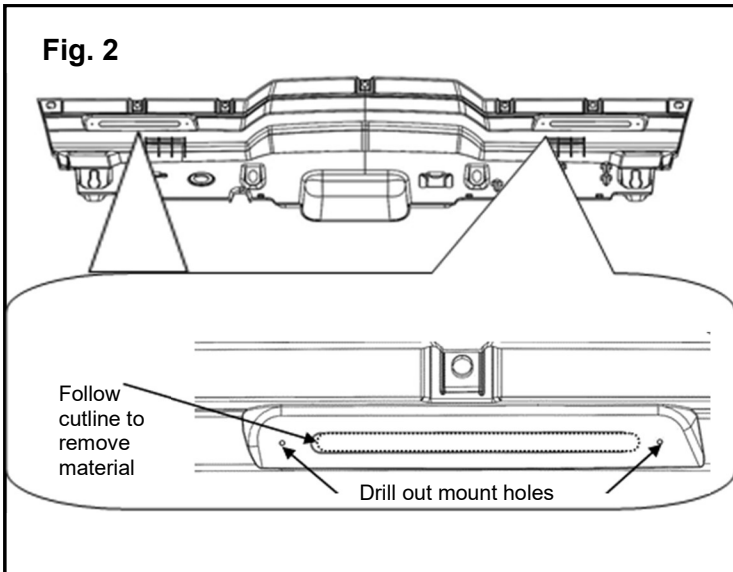
**Fig. 1**

**PREPARATION:**

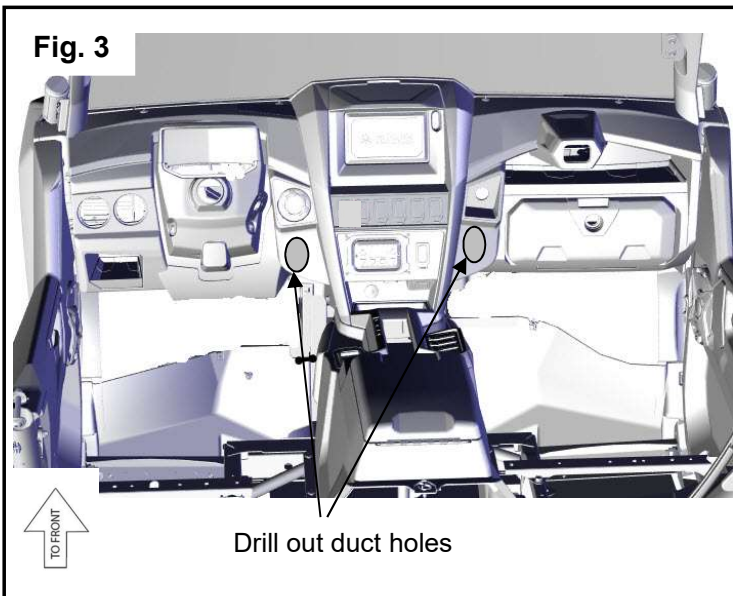
- Place the vehicle on a secure and level surface.
- Set the parking brake.
- Clean the mount surfaces before beginning installation.
- Recommend that an assistant help.

**PARTS REMOVAL:**

1. Remove hood – refer to the service manual. (Fig. 1)
2. Remove the inner firewall. It is held in place by nine bolts along the top and bottom. Remove the five bolts along the upper dash. (Fig. 1)
3. Disconnect the speed key wiring harness (if equipped). Retain the stock hardware. (Fig. 1)
4. On each side of upper dash: Locate the drill points and the cutline. Use a Jigsaw, Dremel, or another rotary tool and cut along the cutline. (Fig. 2)
5. Drill out the defroster grill mount holes. Use a 3/16-inch drill bit.
6. Use a (2 ½ inch) Hole Saw and drill out the mount holes for the air ducts on the right and left of the center console. (Fig. 3)
7. Remove the following parts and refer to the service manual for the removal process.
  - Driver and passenger seat bottoms
  - Driver's seat and frame.
  - Driver's side seatbelt latch.
  - Disconnect and remove the Magellan. (if equipped)
  - Center console bezel first and then the center console.
  - Center dash bezel first and then the center dash assembly.
  - Driver's side front and rear floor
  - Under seat support bracket.
  - Retain all stock hardware for reuse.

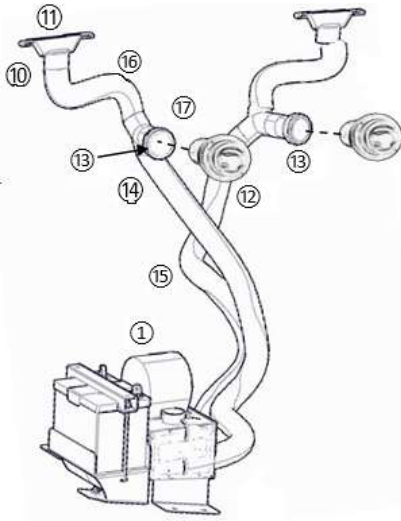


**Fig. 2**



**Fig. 3**

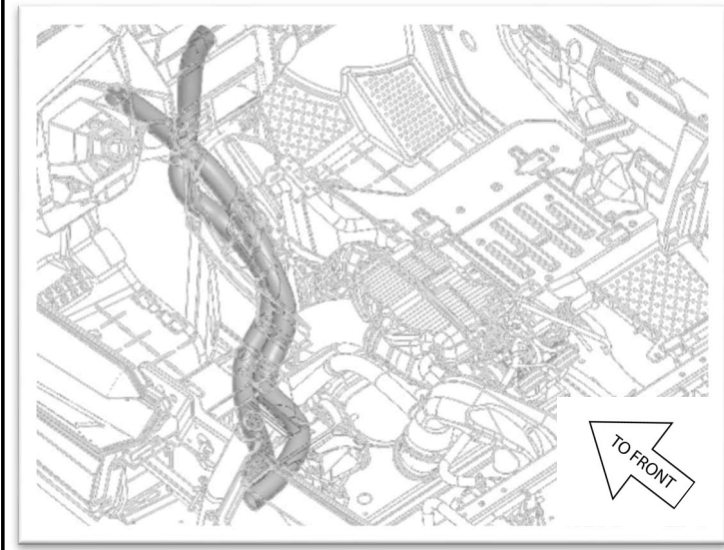
**Fig. 4**

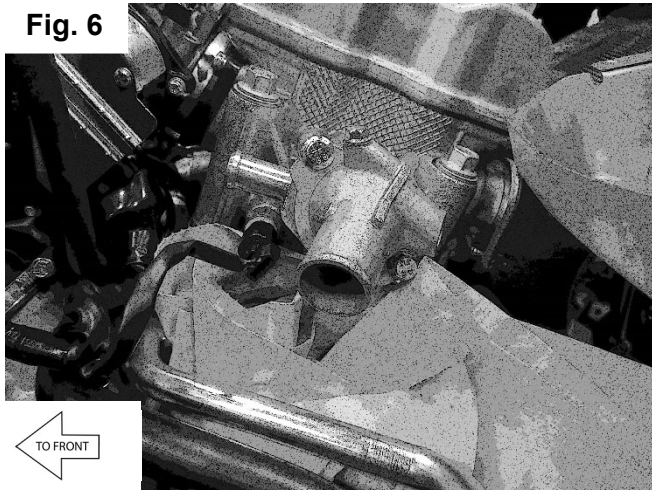
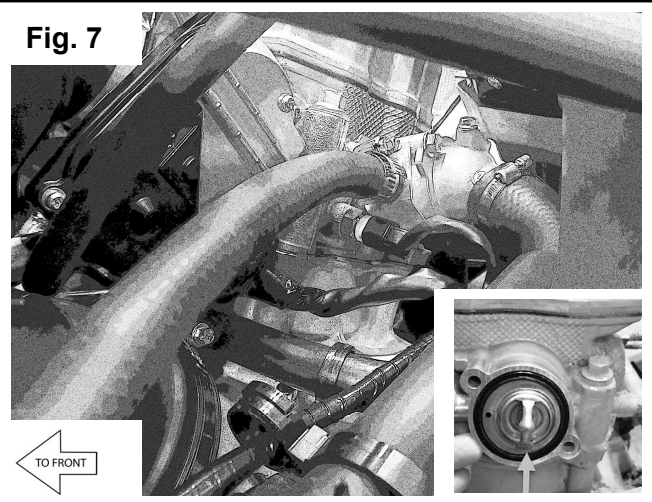
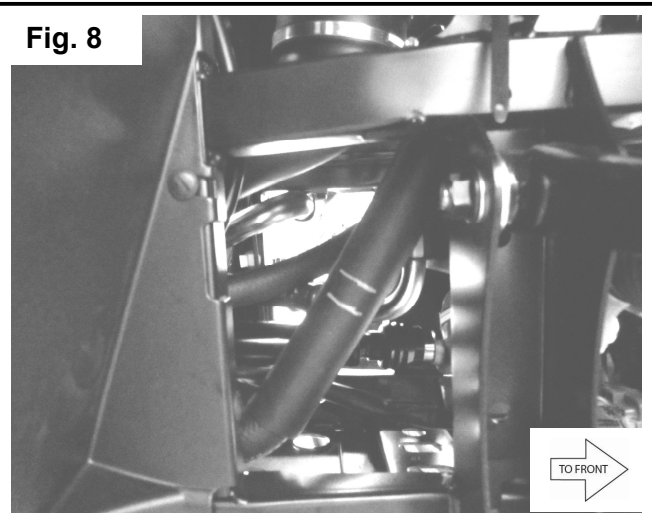
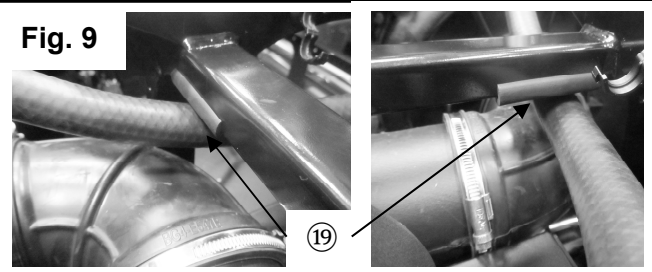


**VENT INSTALL / DUCT ROUTE:**

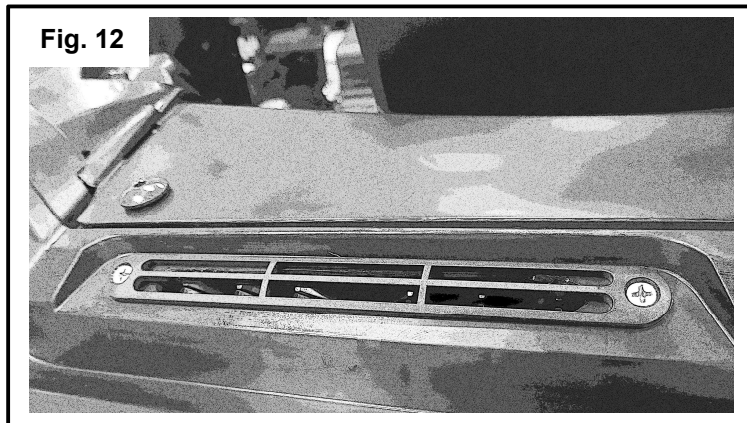
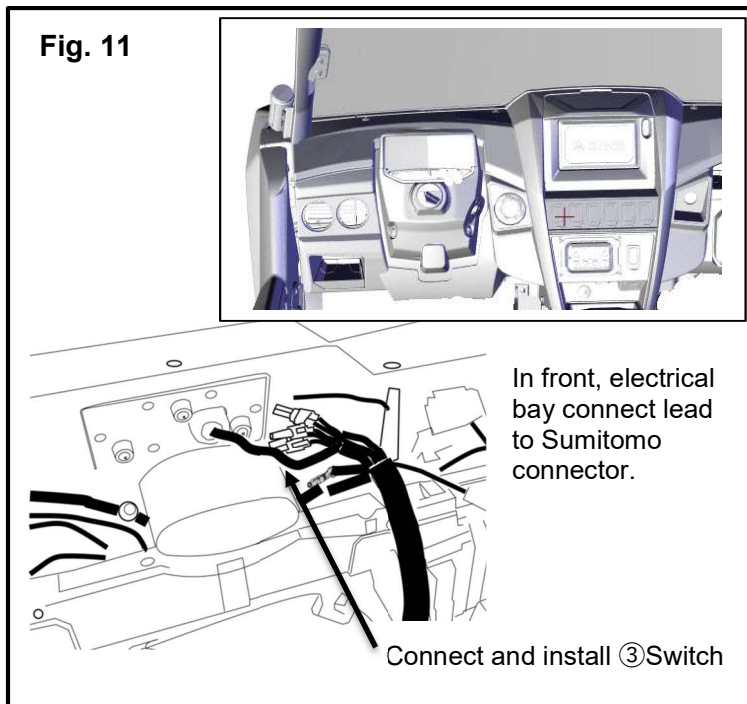
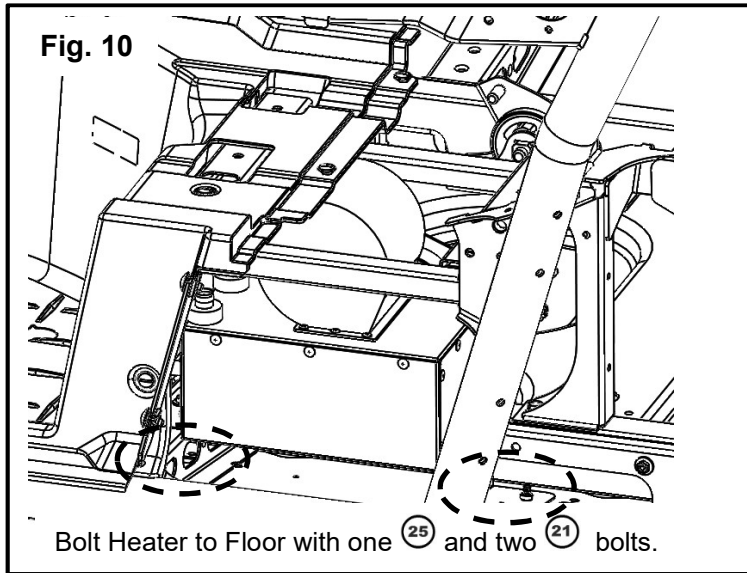
8. Make two assemblies with the following parts:
  - 15 Hose 1, Air Hose 1300 mm
  - 16 Hose 2, Air Hose 280mm
  - 17 Hose 3, Air Hose 140mm
  - 14 Y Hose Union. (Fig. 4)
9. Use 18 Cable Ties to secure all three hoses to 14 Y Hose Union.
10. Route the hoses in the vehicle. (Fig. 5)
11. Route 16 Hose 2, Air Hose 280mm into the hood section and attach 10 Defroster Duct to with 18 Cable tie.
12. Route the longer end of Air Hose (on each side) behind dash and into the area under the driver's seat through to the area behind the driver. (Fig. 5)
13. Install 12 Threaded Air Vent (one on each side) into the drilled holes in the dash. Thread on the 13 Duct Adapters.
14. Attach the 17 Hose 3, Air Hose 140mm to the back of the 13 Duct Adapters with a 18 Cable Tie.

**Fig. 5** Duct Route to Dash –  
Left and Right Side use the same components.



**Fig. 6****Fig. 7****Fig. 8****Fig. 9****INSTALL AND ROUTE COOLANT HOSES:**

14. Drain the engine coolant by following the service manual procedure.
15. Disconnect the oil vent line and remove the CVT vent. These will be reinstalled.
16. Remove the stock thermostat housing. Disconnect the temperature sensor. Keep for reuse. (Fig. 6)
17. Disconnect the coolant hose from the thermostat housing. Cut 3/4 inches (19mm) from the end of the coolant hose.
18. Install the ②④ O-ring between the engine block and ②③ Thermostat Bypass. Place the thermostat on the ②③ Thermostat Bypass. Align the small hole in the thermostat to the front of the vehicle. (Fig. 7)
19. Reconnect the temperature sensor. (Fig. 7)
20. Insert the two ②② M6x50 Flanged Hex Head Bolts and torque to 12Nm (1.2 kg-m or 8.9 ft-lb). Reconnect the coolant hose to the thermostat housing and tighten the hose clamp. Reconnect the oil vent line and attach the CVT vent.
21. Connect the ④ 970mm Heater Hose 1 to the ②③ Spacer Thermostat housing with one ⑦ Hose Clamp 25mm. Route the hose so it does not interfere with other parts of the engine.
22. Insert the two pieces of ①⑨ Edge Trim 50mm on the underside of the driver's seat frame to prevent the heater hose from getting cut on the frame's sharp edges. (Fig. 9)
23. Raise the vehicle and secure it. Remove right front tire.
24. Cut the radiator coolant hose in two and push the protective sleeve away from the cut. The cut will need to be 1/2 inch (12mm) wide. Insert each ⑧ Hose Clamp 32mm on each side of the cut. (Fig. 8)
25. Insert the ⑥ T-Union into the cut radiator cooling hose and tighten each ⑧ Hose Clamp 32mm.
26. Attach the ⑤ 1125mm Heater Hose 2 to ⑥ T-Union with one ⑦ Hose Clamp 25 mm.
27. Route the ⑤ 1125mm Heater Hose 2 to the area under the driver's seat. (Fig. 8) Insert the ⑨ Guide Spring 305mm on the other end of the hose under the driver's seat. (This end will connect to the ① Heater Assembly when it is installed.)
28. Reinstall the wheel and set the vehicle back on the ground.



**CUSTOMER SERVICE:**

For further information see your Yamaha dealer.

**ESTIMATED TIME TO INSTALL: 4.5 HRS.**

**INSTALL HEATER:**

29. Place 1 Heater Assembly under the drivers' seat location.
30. Connect 4 970mm Heater Hose 1 to the 1 Heater Assembly on the left side port with one 7 Hose Clamp 25mm.
31. Connect 5 1125mm Heater Hose to the 1 Heater Assembly with one 7 Hose Clamp 25mm.
32. Connect the Air hoses to 1 Heater Assembly with 18 Cable ties.
33. Attach 1 Heater Assembly to floor. Insert two 21 M6x16 Flanged Button Head Bolt – self tapping and one 25 M6x 16 Flanged Cap Bolt into the mounts and torque to 7 Nm (0.7 m-kg or 5.1 ft-lb) (Fig. 10)
34. Cable tie the 9 Guide Spring to the support frame. **Tip:** It will be on top of the frame until the driver's side floor is reinstalled. Rotate the heater hose downward to not pinch the heater hose on the driver side foot well.
35. Reinstall the two drain plugs. Fill radiator, check for leaks and purge air out of cooling system. Refer to the service manual for procedures and torque values.

**INSTALL AND CONNECT ELECTRICAL:**

36. Plug 2 Harness into outlet on the Fan portion of the 1 Heater Assembly.
37. Route harness up the center of the vehicle and up behind center dash. Use 18 Cable ties as needed. (Fig. 10)
38. Insert switch into hole in center dash panel. (Fig. 10)
39. Plug 3 Switch into switch plug.
40. Press 3 Switch into the hole in the switch panel.
41. Plug lead of 2 Harness into the Sumitomo White plug located behind the firewall. (Fig.11)

**INSTALL DEFROSTER:**

42. Install the 11 Defroster Grill and 10 Defroster Duct to inner dash with four 20 Phillips Flat Head Screws. (Fig. 12)
43. Reinstall the inner firewall, upper dash and hood.

**VEHICLE REASSEMBLY:**

- Reinstall the interior of the vehicle from Step: 6

**MAINTENANCE:**

Periodically, check torque on all hardware. If loose hardware is found, re-torque to specification.

**CARE AND CLEANING:**

Clean painted metal parts with a clean soft cloth and mild soap and water solution.