Polaris RZR XP1000 Firestorm Heater Kit Instructions.

Please read all instructions before beginning installation.

When working on cooling systems always allow vehicles to cool to avoid being burned or scalded by hot coolant. Always disconnect vehicle's negative battery lead before working on electrical systems. Please note: Before drilling any holes check area behind firewall or dash panels to make sure no damage will occur by drilling holes.

Cut out dash modification template, place on left side of dash as shown in Figure 1. Mark area to be cut out of dash as stated on template, remove template. Carefully cut dash plastic using a roto zip type tool or sharp utility knife. Tip: Use making tape over dash in area to be removed, this will protect the finish and make it easier to transfer the cutout shape onto the dash.

Cut out heater hose hole template, place on firewall as shown in Figure 2. Mark hole saw centers on firewall as stated on template, remove template. Carefully drill heater hose holes using supplied 1 ¼" hole saw. Install supplied grommets into drilled heater hose holes.

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Install heater lower mounting brackets, defrost duct (optional) with the end with tabs toward duct mounting bracket and defrost duct mounting bracket (optional) to heater as shown in Figure3 and attach using supplied plastic mounting screws on both top and bottom side of bracket.

Fit 5/16 x 5" carriage bolt through the main core support bracket and bend small tab of bracket to keep bolt in bracket. Fit carriage bolt through the large mounting hole of heater placing main core support bracket behind heater hose fittings as shown in Figure 4. Fit small mounting L bracket to carriage bolt using supplied 5/16 washer and 5/16 nylock nut as shown in Figure 3. Do not fully tighten nut at this time.

Attach 2.5" Duct hose to defrost duct (optional), and secure with cable tie.

Using supplied heater hose, pass each end through the grommets in the firewall from the ***radiator side*** of the firewall approximately 12", do not cut hose to do this. Use dish soap to lubricate hoses and grommets. Attach heater hoses to heater unit (**Please note** lower hose clamp placement as shown in Fig 4), attach top heater hose to temperature control valve and lower hose to heater core pushing the hose completely on the fitting. Install small heater core support bracket to hoses as shown in Figure 4 using ¼"x 1 ¼" bolt and ¼ nylock nut. Do not over tighten through bolt.

Take the heater support brackets and install U-Nuts onto bracket as shown in Figure 5. Locate the two steering support bolts as shown in Figure 5, Remove bolts and install mounting bracket as shown.

Connect wiring loom to heater, red wire to red and black wire to black. Run wiring loom through the vehicle's wiring loom grommet in dash panel up to the power connection block as shown in Figure 6. Reconnect battery, turn key on to check fan operation, disconnect battery. Use cable ties as necessary to secure loom.

Lift up heater into position, pushing hoses back through the firewall. Line up small mounting L bracket to bracket bolted to steering support and attach using supplied ¼"x ¾ " bolt as shown in Figure 6. Do not fully tighten the bolt at this time. Holding heater into the correct position making sure that the heater is fitting correctly into the dash cut out and that the lower bracket is pushed firmly against the wheel well. Once the heater alignment is correct use a ¼" drill bit and drill the holes through the lower bracket and wheel well. Using the remaining two supplied ¼"x ¾ " bolts, ¼" fender washers and ¼" nylock nuts attach lower bracket to the wheel well. Tighten all mounting bolts and nuts.

Drain cooling system by removing lower radiator hose. Note: If you have the equipment to clamp off the hoses where the Y connectors are to be installed you won't have to drain the cooling system.
Cut Radiator hose as shown in Figure 7a. Insert the 1" Y connectors exactly as shown in Figure 7a and 7b in the radiator hoses. Before cutting the radiator hoses, be sure that the placement of Y's will not interfere with any part of the vehicle. Route lower heater hose from firewall to Y connector, cut heater hose to length. Do not connect hose to the Y connector at this time.

Locate oil cooler coolant hose from water pump as shown in Figure 9. Install ½"x 5/8" hose to water pump, 5/8" Y connector and ½"x 5/8" connector as shown in Figure 9. Cut oil cooler coolant hose to length and connect to the ½"x 5/8" connector. Use smaller #8 hose clamps on the ½" hose. Remove center plastic driveshaft cover. Route upper heater hose from firewall down through driveshaft tunnel to the 5/8" Y connector. Route heater hose next to coolant pipes. Make sure all hoses are as far away as possible from driveshaft, steering shaft and sharp areas etc. Use cable ties as necessary. Cut heater hose to length. Do not connect hose to the Y connector at this time.

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Before connecting the hoses to the Y connectors, take a garden hose and run water through the heater hose and heater assembly, make sure the temperature control valve is fully open i.e. the max heat position. This will help remove air from the system and stop air locks, **this step must be carried out**. Fit hose to Y fittings and tighten clamps.

Refill cooling system as per manufacturer's procedure. Start and run the vehicle at a fast idle and run up to normal operating temperature. Check for leaks. Check heater operation. Allow vehicle to cool and recheck cooling system level and coolant ratio, fill and/or alter coolant ratio as required. Refit front side wheel well panels.

If the heater fails to blow hot/warm air once the vehicle is up to operating temperature, there may be an air lock in the heater unit. Temporarily block off the top/inlet radiator hose at the radiator. Start and run vehicle up to operating temperature. Feel the outlet/lower hose from heater until it feels hot. The heater now should be blowing hot/warm air. Remove clamp from radiator hose. The heater should continue to blow hot/warm air. This procedure may have to be repeated a few times to remove air from system. Allow vehicle to cool, restart the vehicle and run up to operating temperature, recheck heater operation. Please note heater output will be limited at idle, all testing should be done at a fast idle.

Optional defrost duct install. Remove top center dash panel. Cut out defrost vent templates and position on dash as shown in Figures 10a and as stated on template. Mark hole centers, remove template. Using supplied 2" hole saw drill holes for vents. **Before drilling any holes check area behind the dash panels to make sure no damage will occur by drilling holes and that there is sufficient room for the vent and hose.** Stretch the 2.5"duct hose from heater and up in behind dash area. Attach duct Y to duct hose and secure with cable tie. using Figure 10b and 10c as a guide cut the 2" duct hose, attach each piece to the duct Y using stepdowns and secure with cable tie. Run each hose out to the vent hole and pass through the hole in dash and attach to vent. Secure hoses with cable ties. Place vents into holes, push down carefully until vents snap into place. **Important Tip:** Cleaning any burs from around hole with a knife will make installing the vent into place easier. Reinstall top center dash panel as required.

Figure 1

Polaris RZR XP1000 Firestorm Heater Kit Instructions.

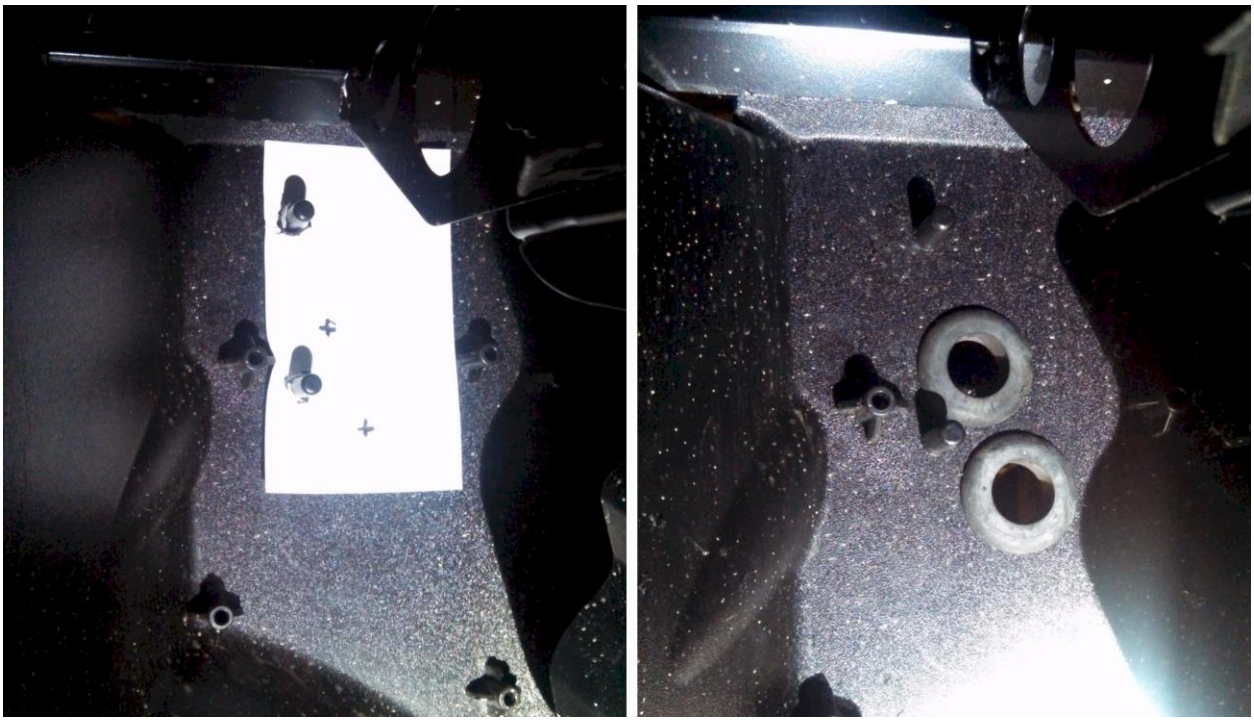


Figure 2

Figure 3

Polaris RZR XP1000 Firestorm Heater Kit Instructions.

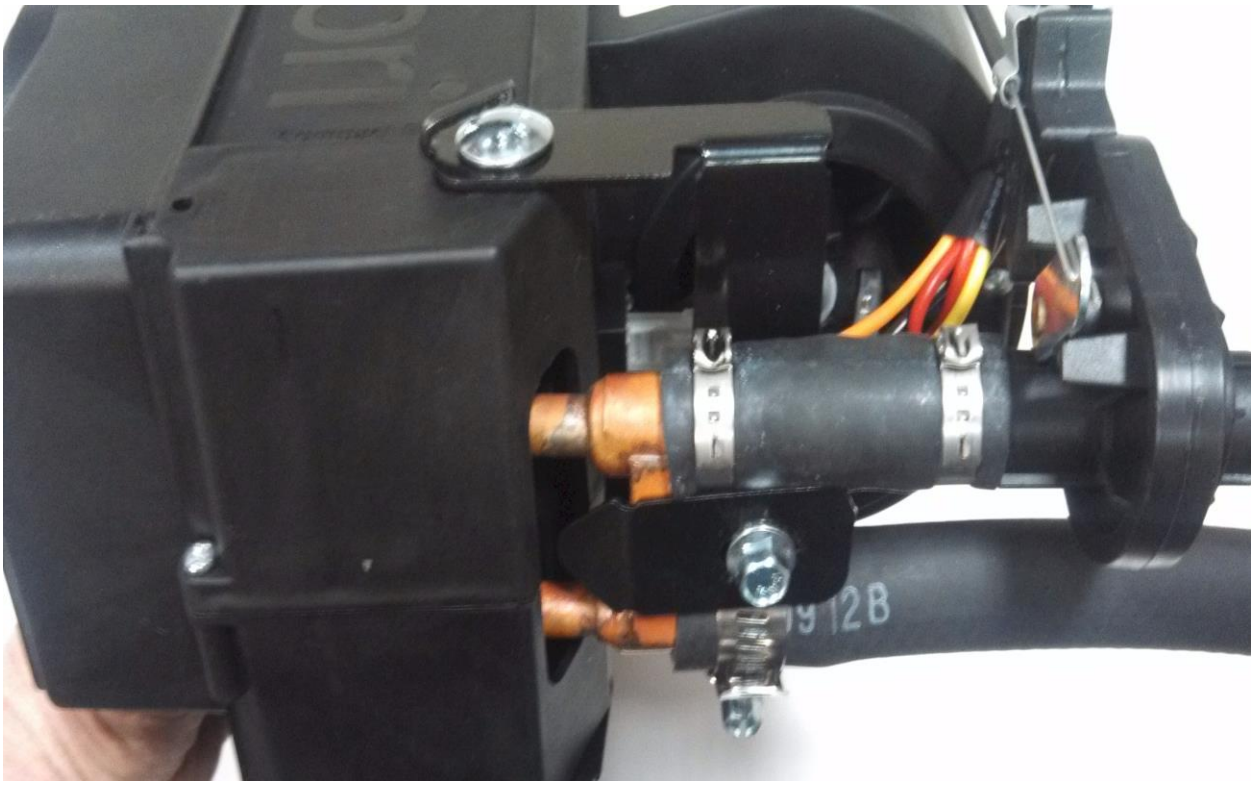


Figure 4

Figure 5

Polaris RZR XP1000 Firestorm Heater Kit Instructions.

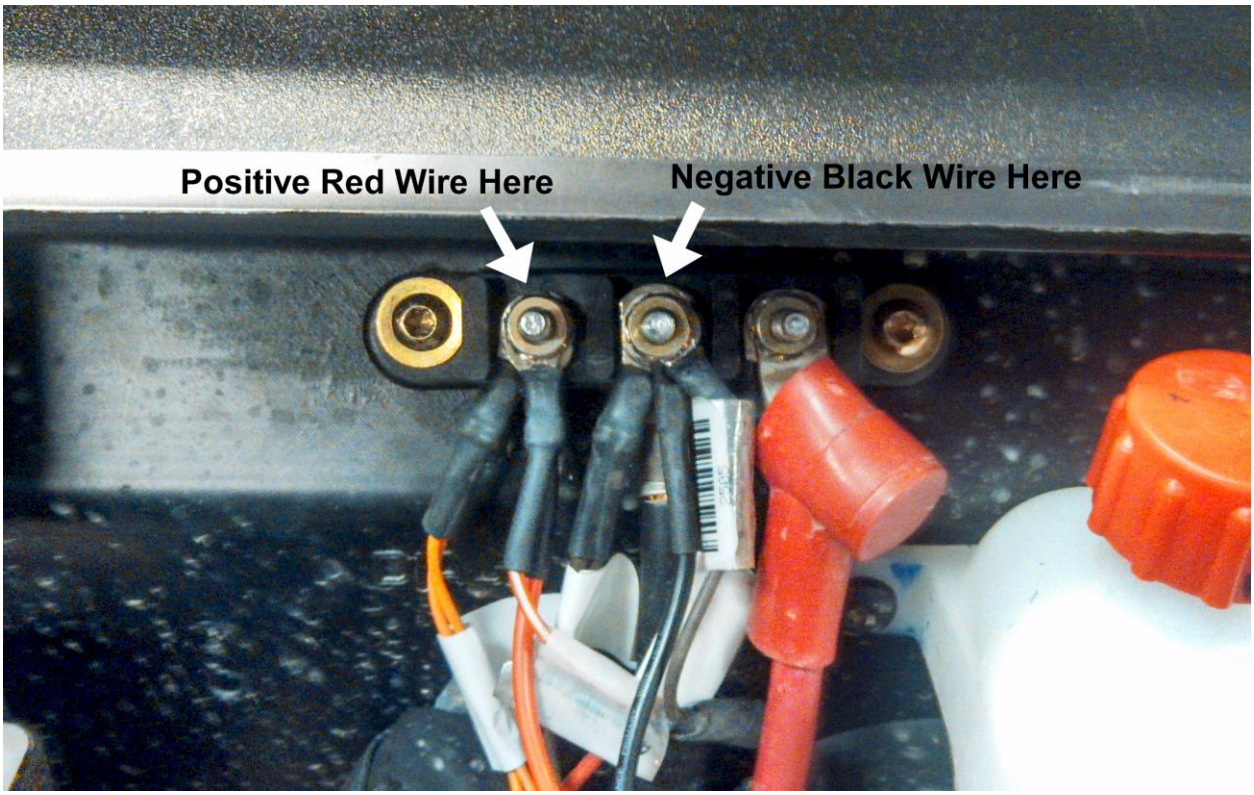


Figure 6

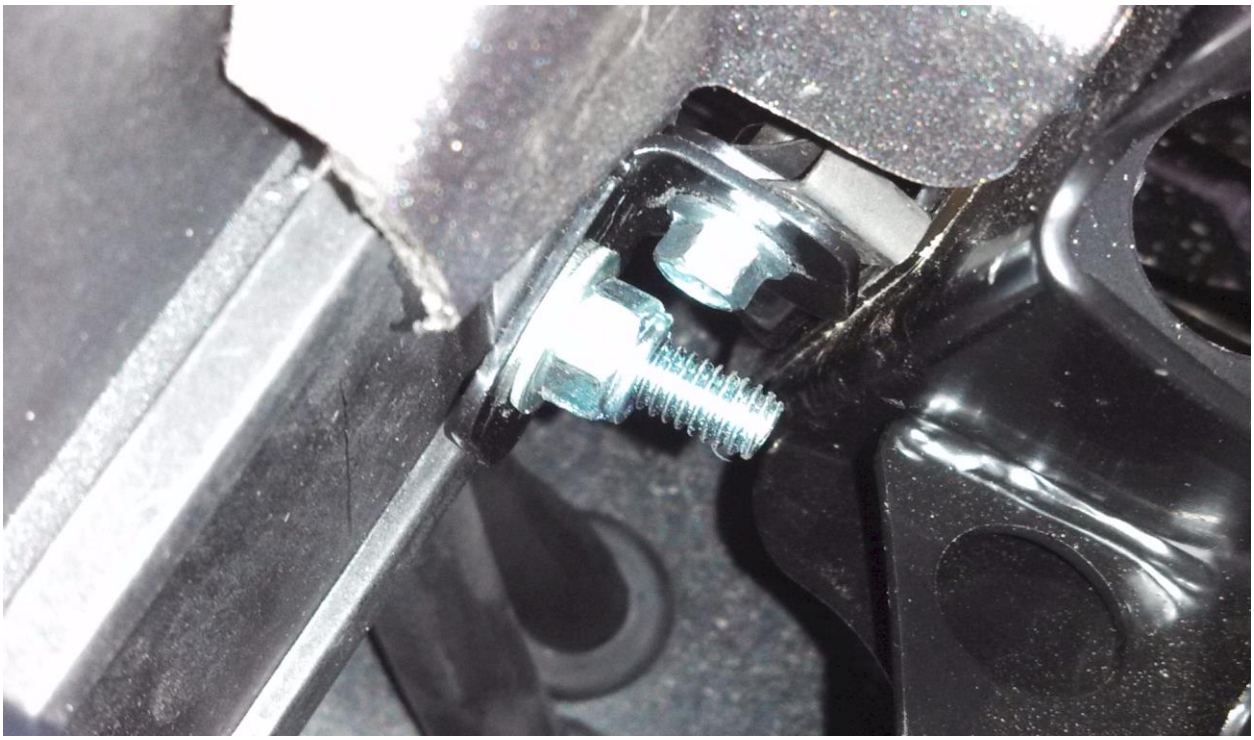


Figure 7

Polaris RZR XP1000 Firestorm Heater Kit Instructions.

Figure 8a

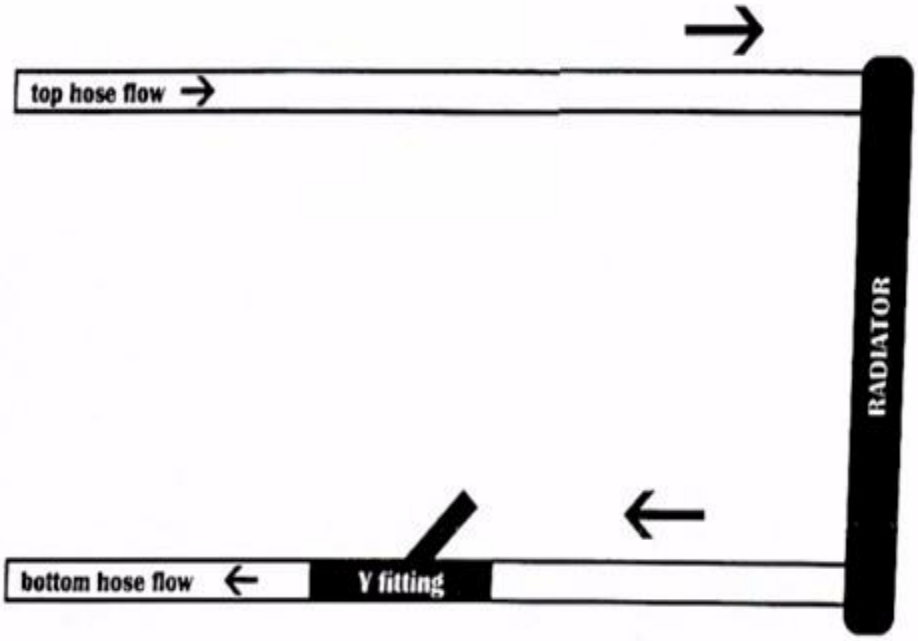


Figure 8b

Polaris RZR XP1000 Firestorm Heater Kit Instructions.

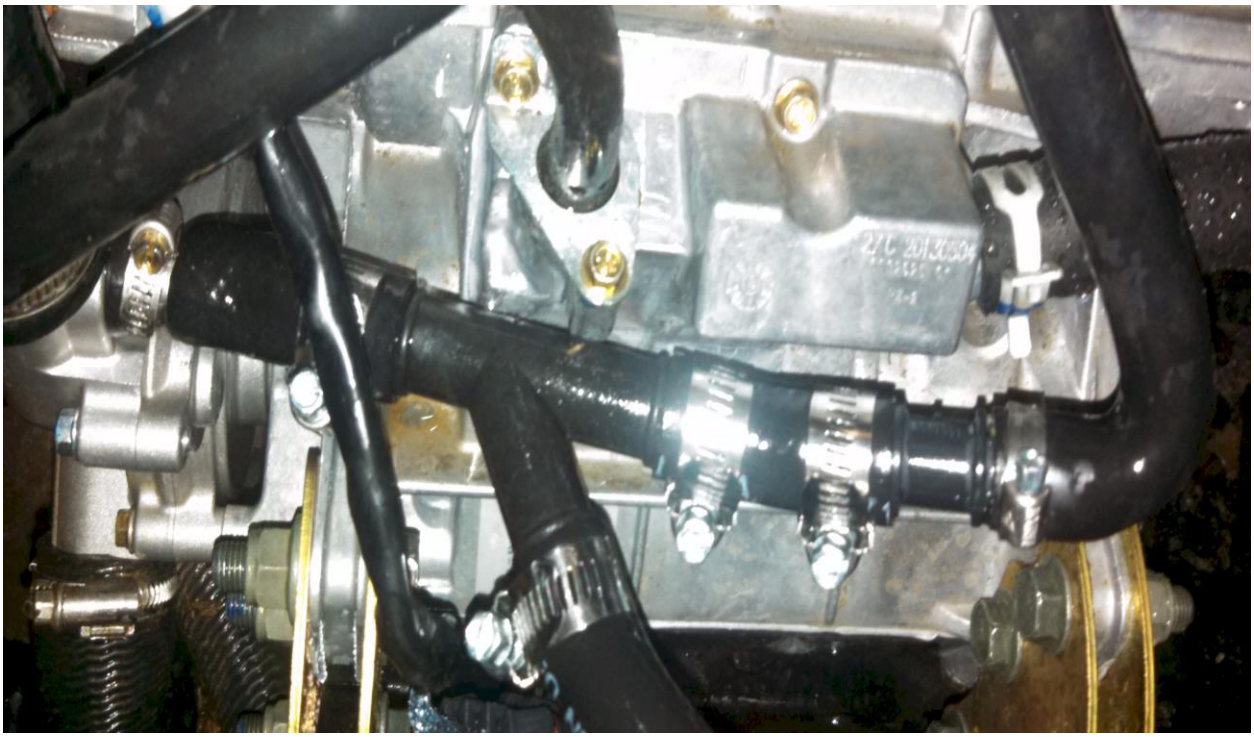


Figure 9

Figure 10a

Polaris RZR XP1000 Firestorm Heater Kit Instructions.

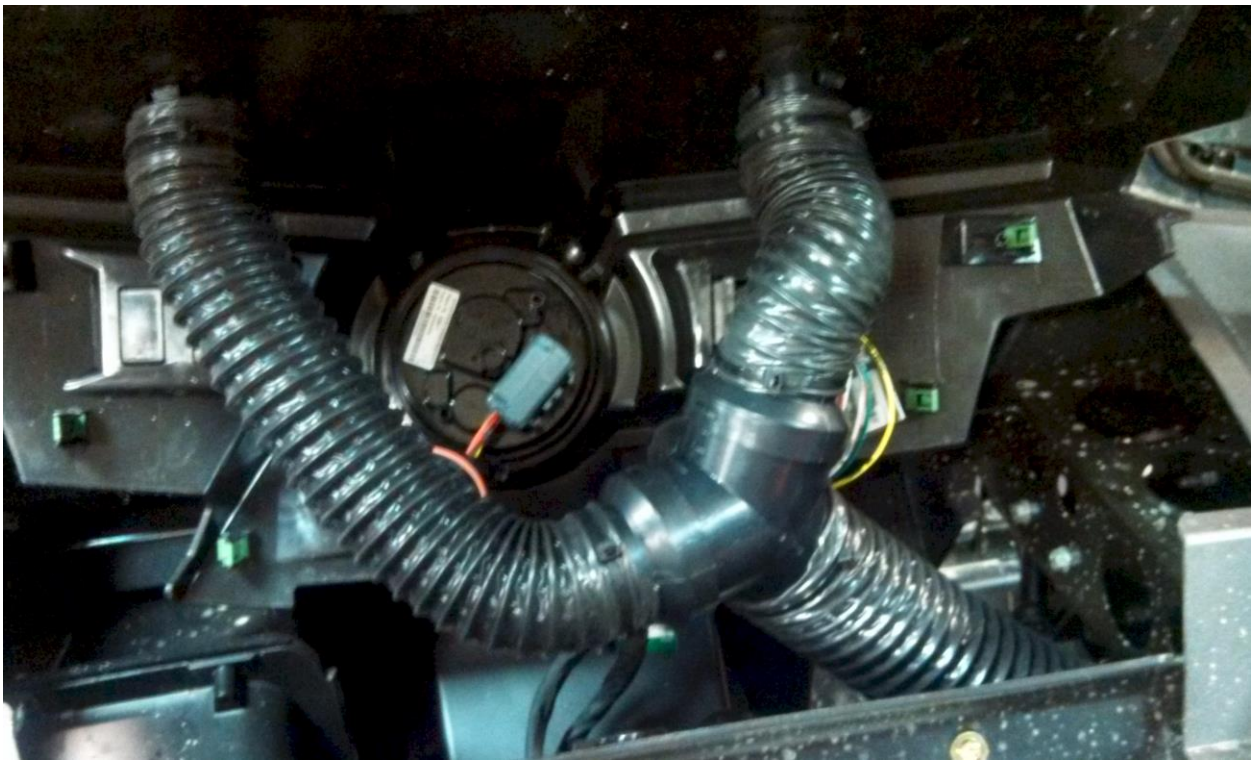


Figure 10b

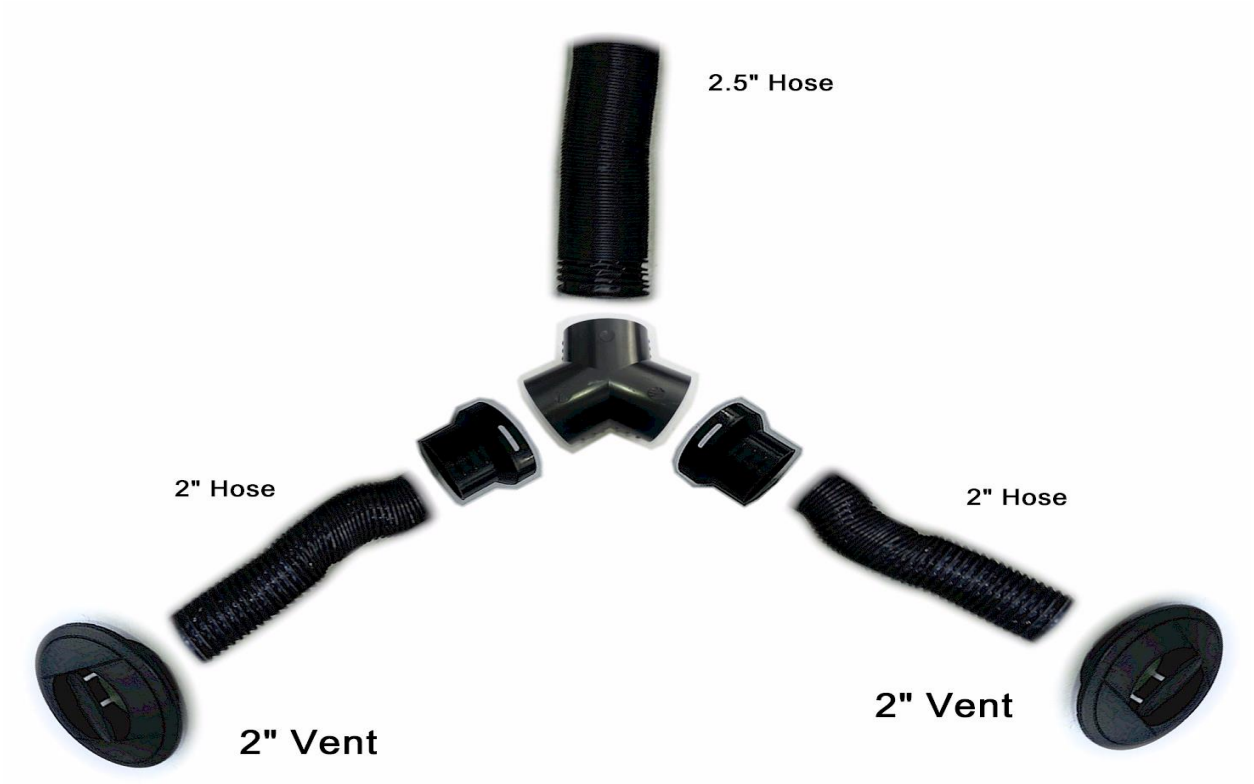


Figure 10c

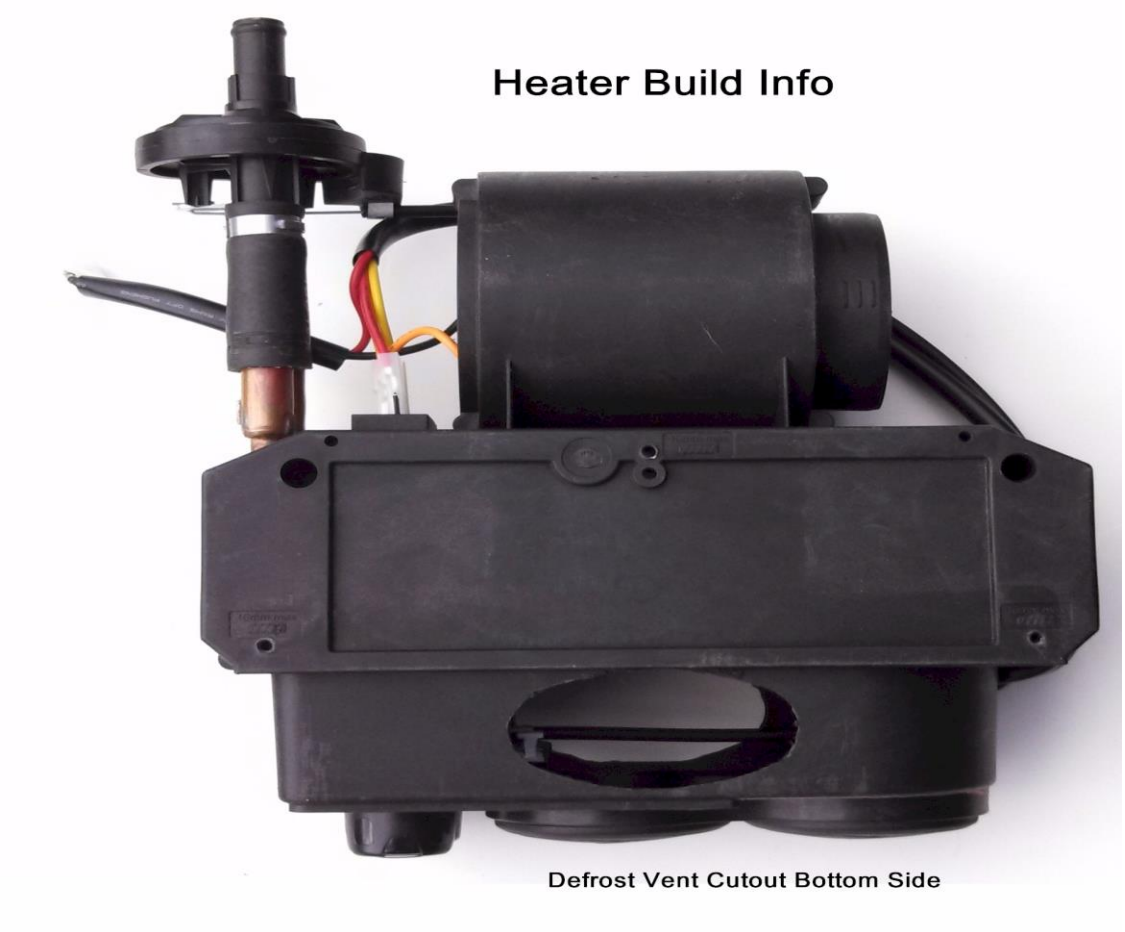
Polaris RZR XP1000 Firestorm Heater Kit Instructions.

Polaris RZR XP1000 Firestorm Heater Kit Instructions.

Defrost Duct Kit If Supplied

Version 1/1/14

Polaris RZR XP1000 Firestorm Heater Kit Instructions.



Hose Hole

Version 1/1/14

Polaris RZR XP1000 Hose Hole and Dash Cutout Template.

Punch out this hole
with a pen tip

1 1/4" hole saw center.
Mark on firewall

Punch out this hole
with a pen tip

CUT HERE

Hose Hole Template: Cut out template, place on firewall panel and align pegs on firewall. Mark center hole on dash. Remove template. Using 1 1/4" hole saw, drill holes in firewall. Dash Template: Cut out template, place on dash panel and align with the contours of the dash. Mark area to be cutout on dash. Remove template. Using a roto type tool or sharp utility knife remove plastic area as stated. Please Note: Before you drill or cut please check the underside of dash/firewall directly behind template for anything that may interfere with the placement of the vent or heater. We will not be held responsible for cuts or holes being drilled incorrectly.

Dash Contour Line

Cutout the area below this line

CUT HERE

Trim the dash below this line all the way around to the back edge

Polaris RZR XP1000 Defrost Kit Dash Template Left and Right Side. Flip template over for opposite side.

Cut out template, place on upper dash panel and align with the contours of the dash. Mark center hole on dash. Remove template. Using 2" hole saw, drill vent hole in dash. Please Note: Before you drill please check the under side of dash directly below template for anything that may interfere with the placement of the vent. We will not be held responsible for vent holes being drilled in the incorrect place.

2" Hole Saw Center.
Mark on Dash