

Polaris RZR RS1 (2018 - Current) Direct-Fit Cab Heater with Defrost

130

STEP 1: PRE-INSTALLATION

- 1) First, remove the 4 pieces/panels from the front part of the vehicle (**PIC01**).
 - The hood, center dash cover and the (2) outside roll-bar panels.
- 2) Remove the center hood panel and the Left and Right fenders (**PIC02**).
- 3) Remove the main skid plate – for splicing into coolant lines later in the installation.

STEP 2: MOUNTING THE HEATER

- 4) Remove the storage mold under the hood.
- 5) Remove the front (2) factory bolts (**PIC03**) and use these to mount the front mounting bracket on the heater.
 - Make sure the core fittings are facing the driver side.
- 6) Use the self-tapping screw to mounting back mounting bracket on the heater (**PIC03**).

STEP 3: WIRING

- 7) Install the rocker switch in one of the factory openings (**PIC04**).
- 8) Using the wiring harness provided, plug the switch connector into the back of the rocker switch.
- 9) Using the wiring harness provided, plug the high/low wire (yellow/orange) connector to the heater blower connector.
- 10) Using the wiring harness provided, run the power wires (red/black) to the front of the machine and install onto the accessory bar (**PIC05**).
- 11) Test the blower.

STEP 4: SPLICE INTO THE OIL COOLER LINE

- 12) Cut supplied heater hose into two equal lengths of 9-feet.
- 13) Locate the oil cooler line from the rear passenger side wheel well (**PIC06**).
- 14) Using clamps, pinch off the oil cooler line on each side of where you will make the cut.
- 15) Cut the oil cooler line and install the Straight Fittings (**PIC06**) onto each of the open oil cooler ends, secure with the hose clamps provided.
- 16) Run the (2) runs of heater hose from the front of the machine to these splices.
 - Attach the hoses to the heater core fittings and run them down under the skid plate as shown in **PIC 07**.
- 17) Take the hose that is attached to the lower heater core fitting (relative to gravity) and attach it to the inlet oil cooler line (**PIC06**), trim to length and secure with the hose clamps provided.
- 18) Take the hose that is attached to the higher heater core fitting (relative to gravity) and attach it to the return oil cooler line (**PIC06**), trim to length and secure with the hose clamps provided.

NOTE: Do not use a shut-off valve on this heater. The heater is outside of the cab so it is unnecessary, but due to the straight fittings used for the pre-thermostat plumbing you cannot have one installed.

STEP 5: INSTALL LOUVERS AND RUN DUCT

- 19) There is 16-feet of duct included in the kit. Cut it into four pieces of: 48", 48", 36", and 36". The 48" pieces are for the defrost duct runs.
- 20) Using a 2.5" hole-saw drill out the holes for the defrost louvers.
 - Use the louver cut-out templates included in the instructions and tape these in the locations shown in **PIC08**. Measure to assure symmetry and drill a 1/8" bit pilot hole to start your hole-saw with.
- 21) Drill your hole and install the defrost louvers.
 - Unscrew the face from the adapter and set the louver face in the hole. Screw the adapter on from the back side of the panel and install the duct clips on the adapter for maximum duct hold.
- 22) Using a 2.5" hole-saw drill out the holes for the floor louvers on the inner kick guards in the cab.
 - The floor louvers can be placed in your desired locations. See **PIC08** and **PIC09** for where we show our run of duct for the floor louvers and how it goes down behind the side panel. Before drilling your hole, make sure to take note of where the frame bars run and do not cut out a louver hole directly in front of the frame.
 - Use the louver cut-out templates included in the instructions and tape these in the desired locations. Drill a 1/8" bit pilot hole to start your hole-saw with.
- 23) Drill your hole and install the floor louvers.
 - Unscrew the face from the adapter and set the louver face in the hole. Screw the adapter on from the back side of the panel and install the duct clips on the adapter for maximum duct hold.
- 24) Now run the duct from the heater box adapters to the louver adapters and secure with the zip ties provided (**PIC09**).

STEP 6: REFILL COOLANT

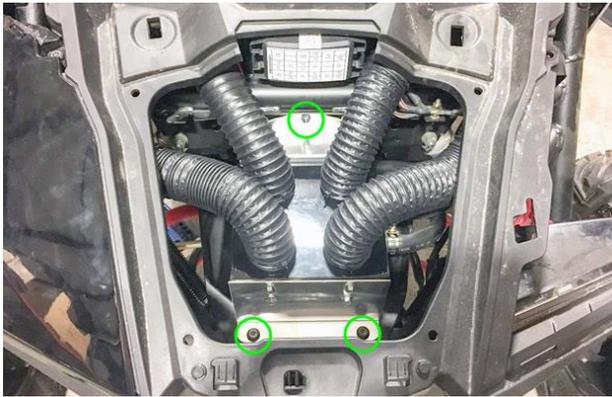
- 25) Refill the radiator and check for leaks.
- 26) Start the machine and allow the engine to warm up and circulate the coolant.
- 27) Drive the vehicle and put it under a good load, this will help expel air from the system.
- 28) When done let the machine cool down, recheck the coolant level and refill if needed.
- 29) Coolant will be consumed as the air is expelled from the system. It is possible you will need to run the machine and recheck fluid levels multiple times before working out all of the air.



PIC01



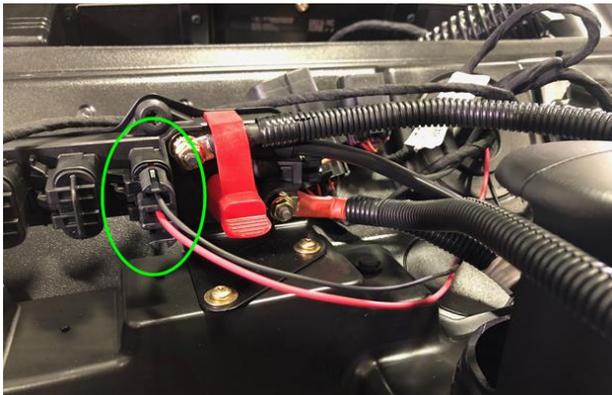
PIC02



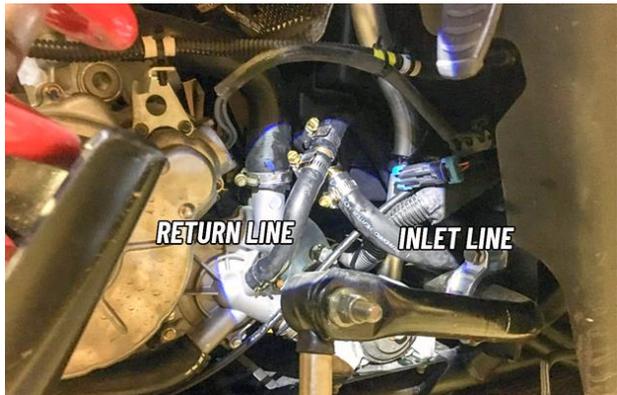
PIC03



PIC04



PIC05



PIC06



PIC07



PIC08



PIC09

