

POLARIS RZR PRO XP (2019-Current)  
POLARIS RZR PRO R (2021-Current)  
Direct-Fit Cab Heater with Defrost

132

**STEP 1: PRE-INSTALLATION**

- 1) If needed, remove the sub-woofer and passenger side speaker (reinstall at the end of the installation).
- 2) Remove the passenger side glove box (**PIC01**) (**PIC02**).
- 3) Remove (temporarily for greater access) the center storage compartment (**PIC03**).

**STEP 2: MOUNTING THE HEATER**

- 4) By hand, set the heater in place and mark on the firewall where the LOWER heater core fitting will exit the firewall. You want the heater hose to go straight through the firewall.
- 5) Using a 1-3/8" hole-saw install the rubber grommet into the firewall (**PIC04**).
  - If you cannot fit the drill inside the machine (to drill the hole from the inside-out) you will have to remove the fender panel and drill it from the outside (**PIC05**).
- 6) Cut a 3" piece of heater hose and connect it to the top heater core fitting. Then connect the PEX elbow to the heater hose. Angle the PEX elbow slightly to the "inside" of the machine so the hose is able to clear the lower hose when running down (**PIC06**).
- 7) Before mounting the heater, cut runs of ducting and install them onto the heater box adapters at the lengths shown in **PIC07**.
- 8) Set the heater in place and mount it using the (4) bolts and (4) nuts provided (**PIC08**).

**STEP 3: SPLICE INTO THE COOLANT LINES**

- 9) Just behind the radiator is a bracket holding the radiator lines in place, remove this bracket (**PIC09**).
- 10) Use the Y-Fitting provided and splice into the lower radiator hose (return line), secure with the hose clamps provided (**PIC10**).
  - The 5/8" splice is pointing toward the radiator, you want the coolant to flow back into the radiator line in the same direction it is moving from the radiator.
- 11) Cut a 3-foot piece of heater hose and run it from the PEX elbow to the return Y-Fitting, trim as needed and secure with the hose clamps provided. Run the hose through the large wiring grommet on the firewall (**PIC11**).
- 12) Re-install the bracket holding the radiator lines in place.
- 13) From the passenger side rear wheel well, locate the oil cooler line. Make a cut in the oil cooler line and install the Tee-Valve (**PIC12, PROXP**) (**PIC13, PRO R**), secure with hose clamps provided.
  - When ON (yellow handle pointing at the heater hose) all of the coolant will be diverted to the heater and returned to the engine at the Y-Fitting. When OFF (yellow handle parallel with oil cooler hose) all the coolant will flow to the water pump and up to the radiator (like normal).
  - Note the handle is on the bottom of the Tee when installed (handle is facing down).  
**PLEASE REFER TO PIC12** so this does not get installed wrong.
- 14) Run the inlet heater hose under the machine (**PIC12**) to the rear passenger side. Zip tie out of the way of the drive shaft, if needed, then install onto the Tee-Valve.

#### **STEP4: INSTALL LOUVERS AND RUN DUCT**

- 15) Using the cut-out templates provided, tape them in the defrost louver locations (**PIC14**) and drill 1/8" pilot holes.
- 16) Using a 2.5" hole-saw drill out the holes for the defrost louvers.
- 17) Install the (2) defrost louver faces into the open holes (**PIC15**) and connect the adapters from top two runs of duct from the heater box to the louver faces.
- 18) Remove the fender panels on both the driver and passenger side (**PIC16**).
- 19) Using a 2.5" hole-saw drill out the holes for the floor louvers (**PIC16**).
- 20) Install the (2) floor louver faces into the open holes (**PIC17**) (**PIC18**) and connect the adapters from lower two runs of duct from the heater box to the louver faces.
  - For the driver side floor louver run the duct right behind the rocker switches and use the extra zip ties to tie it out of the way, if needed.
  - For the passenger side louver you may need to run the duct higher if you have the sub-woofer (**PIC19**).

#### **STEP 5: WIRING**

- 21) Remove one of the factory switch plates and install the rocker switch provided.
- 22) Shave down the bottom lip/edge of the opening so there is clearance for the rocker switch to move into the LO position (**PIC20**)
- 23) Using the wiring harness, plug the switch connector into the back of the rocker switch.
- 24) Using the wiring harness, run the white connector to the heater and plug it into the blower.
- 25) Using the wiring harness, run the red and black wires to the 12v accessory bar (**PIC21**).
- 26) Once the wiring is complete test it to make sure the blower runs properly.
- 27) You can now reinstall all the body panels back onto the machine.

#### **STEP 6: REFILL COOLANT**

- 28) Refill the radiator and check for leaks.
- 29) Start the machine and allow the engine to warm up and circulate the coolant.
- 30) Drive the vehicle and put it under a good load, this will help expel air from the system.
- 31) When done let the machine cool down, recheck the coolant level and top off if needed.
- 32) 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



PIC10



PIC11



PIC12 (PRO XP)



PIC13 (PRO R)



PIC14



PIC15



PIC16



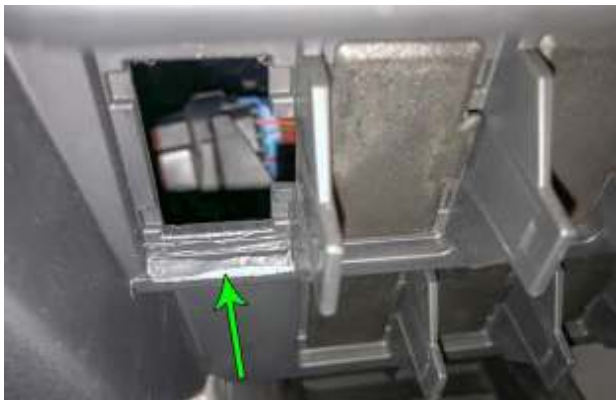
PIC17



PIC18



PIC19



PIC20



PIC21

