

Arctic Cat Wildcat Trail and Sport (2013 - 2018)

Direct-Fit Cab Heater with Defrost

525

STEP 1: MOUNTING THE HEATER

- 1) Set the heater in place and mark the (4) mounting screw holes (**PIC01**).
- 2) Pre-drill these holes out with a 1/4" bit, then secure the heater to the firewall with the bolts, washers and nuts provided. (**PIC01**).
- 3) Using one of the self-tapping screws provided, ground the black wire coming off the heater fan to the machine.

STEP 2: SPLICE INTO THE COOLANT LINES

- 1) Cut the heater hose into (2) pieces of 2.5'.
- 2) Using a 1-3/8" hole-saw, make (2) openings to install the rubber grommets into the firewall.
 - Make sure the grommet locations allow the heater hose to gradually bend off the heater core fittings to enter the front of the machine.
- 3) Using hose clamps, clamp off on each side of the inlet radiator line where you will make your cut to install the Y-Fitting (**PIC02**).
- 4) Install the 1" aluminum Y-Fitting into the hose using the hose clamps provided (**PIC02**).
 - Make sure the 5/8" splice is pointing toward the front of the machine (toward the radiator) you want the coolant to flow uninhibited into the inlet heater hose (like a car exiting onto a highway exit ramp).
- 5) Run the inlet heater hose from the heater core (either fitting can be used), through the grommet and up to the front of the machine onto the Y-Fitting. Secure using the hose clamps provided.
- 6) Using hose clamps, clamp off on each side of the return radiator line where you will make your cut to install the Y-Fitting (**PIC02**).
- 7) Install the 1" aluminum Y-Fitting into the hose using the hose clamps provided (**PIC02**).
 - Make sure the 5/8" splice is pointing toward the front of the machine (toward the radiator) you want the coolant to flow uninhibited back into the return radiator line.
- 8) Run the return heater hose from the heater core (either fitting can be used), through the grommet and up to the front of the machine onto the Y-Fitting. Secure using the hose clamps provided.

STEP 3: INSTALL LOUVERS AND RUN DUCT

- 9) There are two mounting brackets included in the kit to use for the floor louvers. See **PIC03** and **PIC04** for the locations. Use the (2) self-tapping screws provided in the kit to secure these brackets to the framing.
- 10) Insert louvers into each of these brackets.
- 11) Drill the (2) defrost holes using a 2" hole-saw and insert the two louvers (**PIC05**). You may have to slightly enlarge the hole using the edge of a blade to get the louver through comfortably.
 - Make sure to measure your drill bit starting point symmetrically on both sides. Measure off the moldings the same from each side to make the mark.
- 12) From the duct provided, cut (2) 30" pieces and install them to the backside adapters of the floor louvers with the zip ties provided. Then connect them to the heater box.
- 13) From the duct provided, cut (2) 24" pieces and install them to the backside adapters of the defrost louvers with the zip ties provided. Then connect them to the heater box.

STEP 4: WIRING

- 14) Install the rocker switch in one of the factory openings.
- 15) Using the wiring harness provided, plug the switch connector into the back of the rocker switch.
- 16) Using the wiring harness provided, run the high/low wires (yellow/orange) to the resistor connected to the heater box (**PIC06**).
- 17) Using the wiring harness provided, run the power wires (red/black) to the front of the machine and install onto one of the accessory connectors.
- 18) Test the blower.

STEP 5: REFILL COOLANT

- 19) Refill the radiator and check for leaks.
- 20) Start the machine and allow the engine to warm up and circulate the coolant.
- 21) Drive the vehicle and put it under a good load, this will help expel air from the system.
- 22) When done let the machine cool down, recheck the coolant level and add to the overflow tank, if needed.
- 23) 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 the air.



PIC01



PIC02



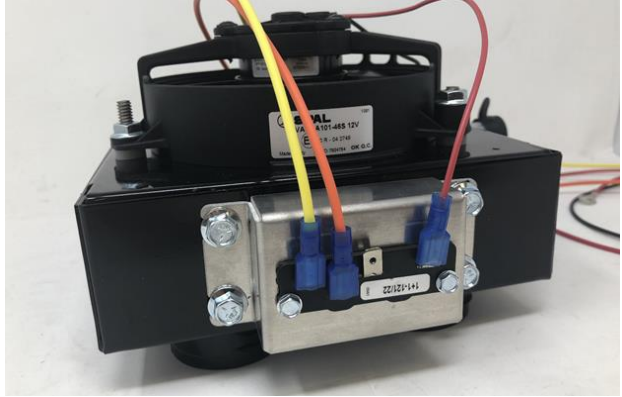
PIC03



PIC04



PIC05



PIC06

