

Z4131

Polaris RZR TURBO-S Cab Heater

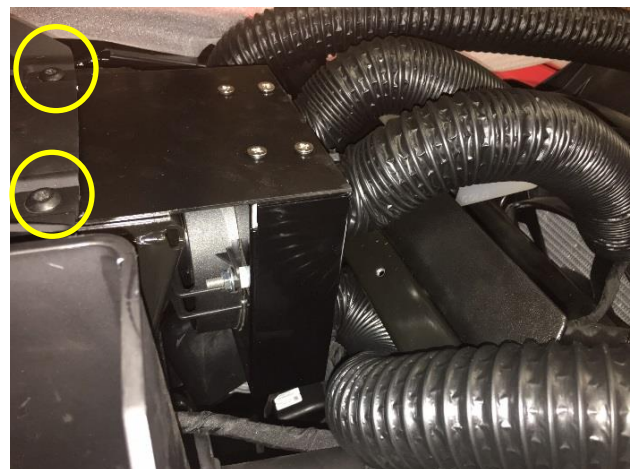
PRE-INSTALLATION

For ease of installation you will need to remove the hood cover, the passenger side fender and the dash that holds the gauges/monitor. Also, you will want to un-mount the ride command computer in the middle of the dash, later in the install you will relocate this bracket and computer. We removed the two roll bar bolts to make shimming fender up the bar easier.

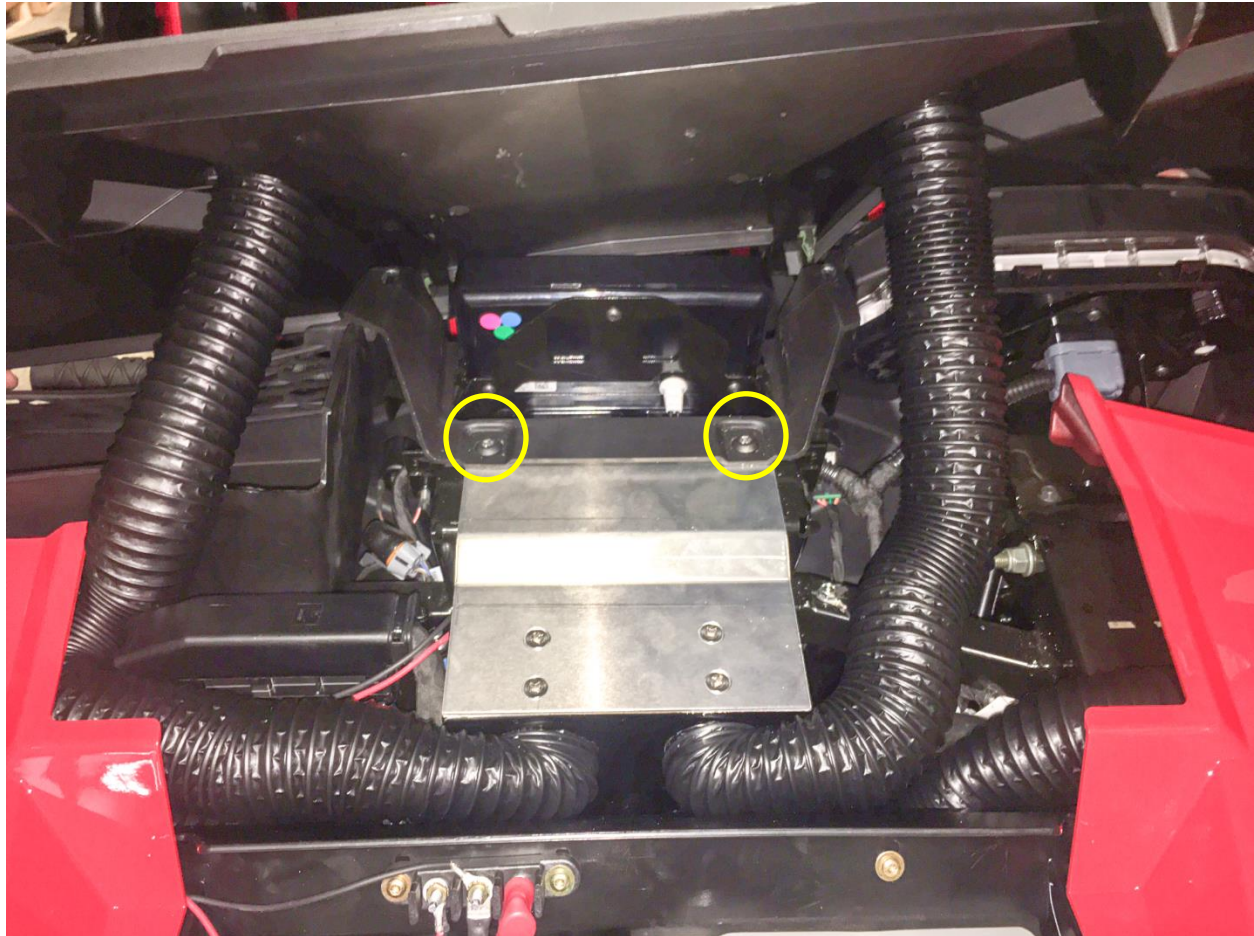


MOUNTING THE HEATER

Before mounting, connect the heater hose to the core fittings and the duct to the adapters on the heater box. Cut the heater hose into a 5-foot and 4-foot piece, the 5-foot piece goes on the core fitting that is highest (relative to gravity). The duct can be cut into three 3-foot pieces and a 2-foot pieces. The 2-foot piece goes on the top driver side adapter. When setting the heater box in place the two bottom runs of duct will push under a framing bar, and the top two runs of duct will sit above this bar.



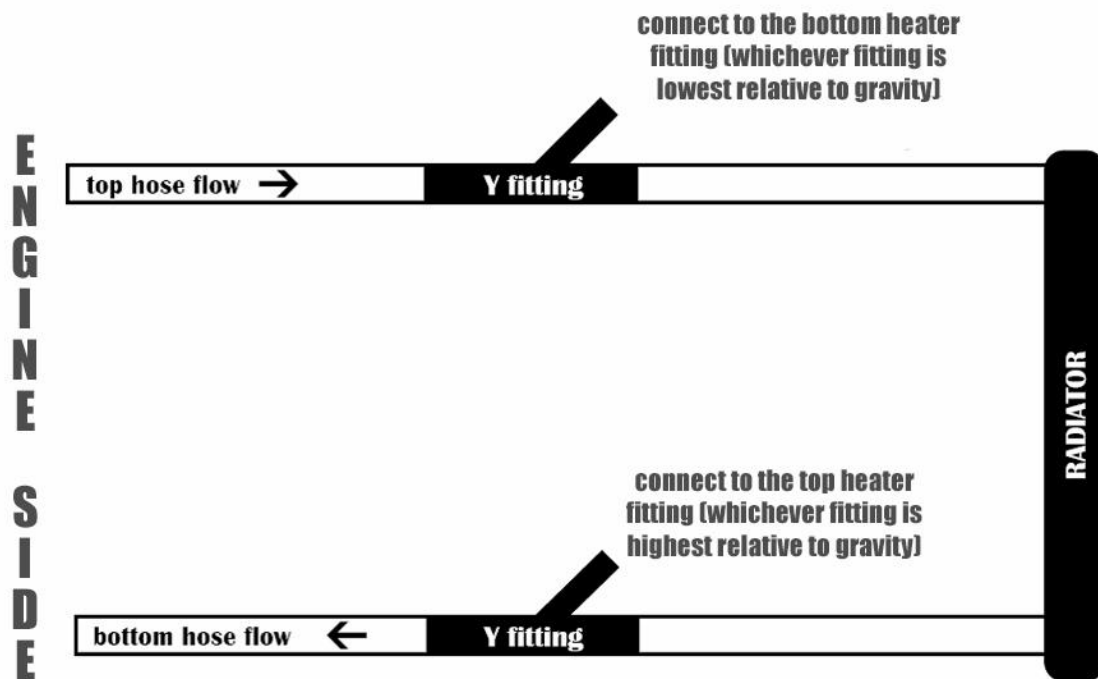
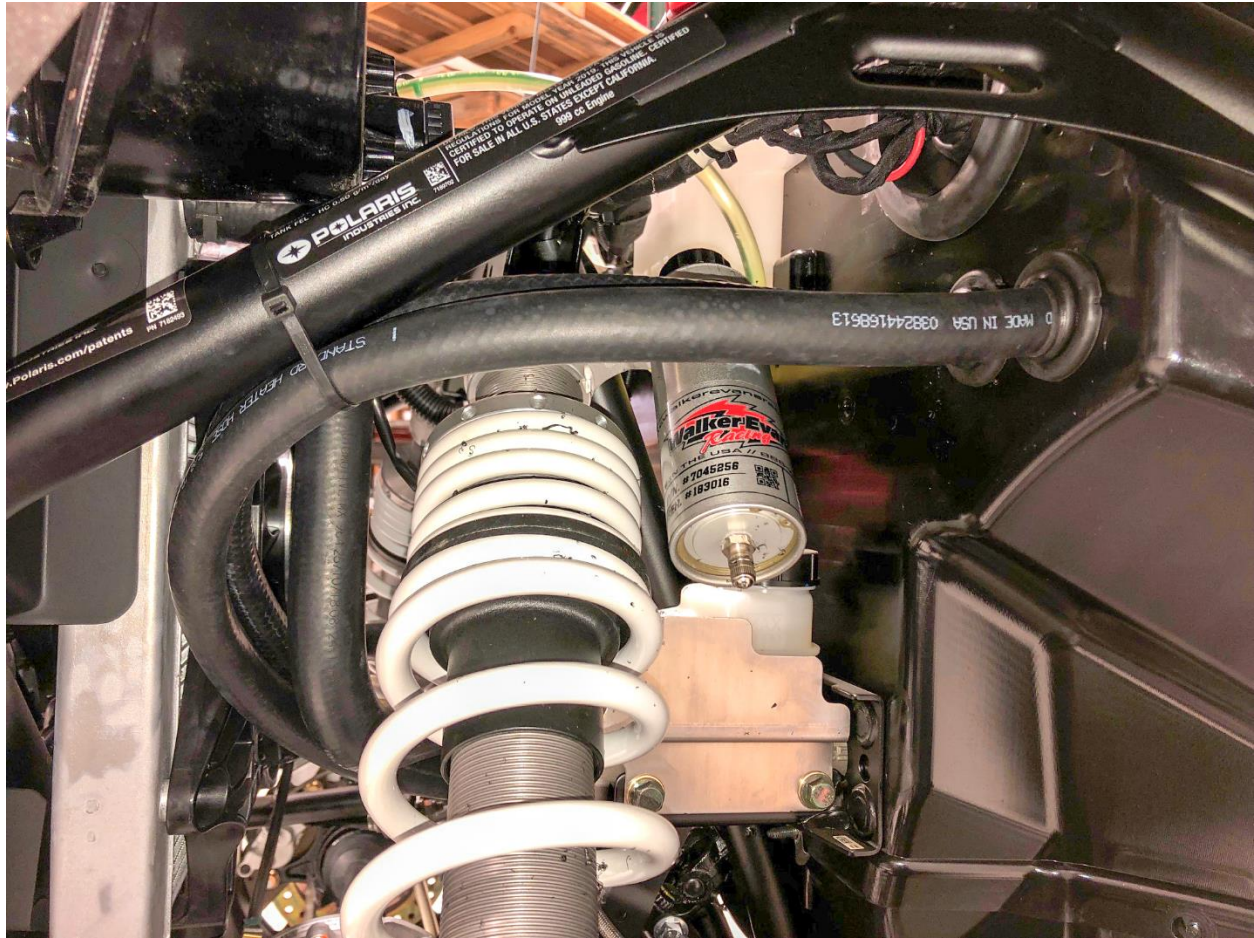
The heater is mounted in the middle of the dash, between two cross bars with the fittings facing the driver side. There are two factory bolts that are used to mount the heater bracket. When setting the heater in place it is going to be a tight fit. Run the attached hoses down towards the driver side floor and you are going to have to put some force against the two bottom duct hoses to get the heater in place (it is perfectly OK to scrunch the duct runs a little). See mount pic below:



INSTALL THE Y-FITTINGS INTO THE RADIATOR LINES

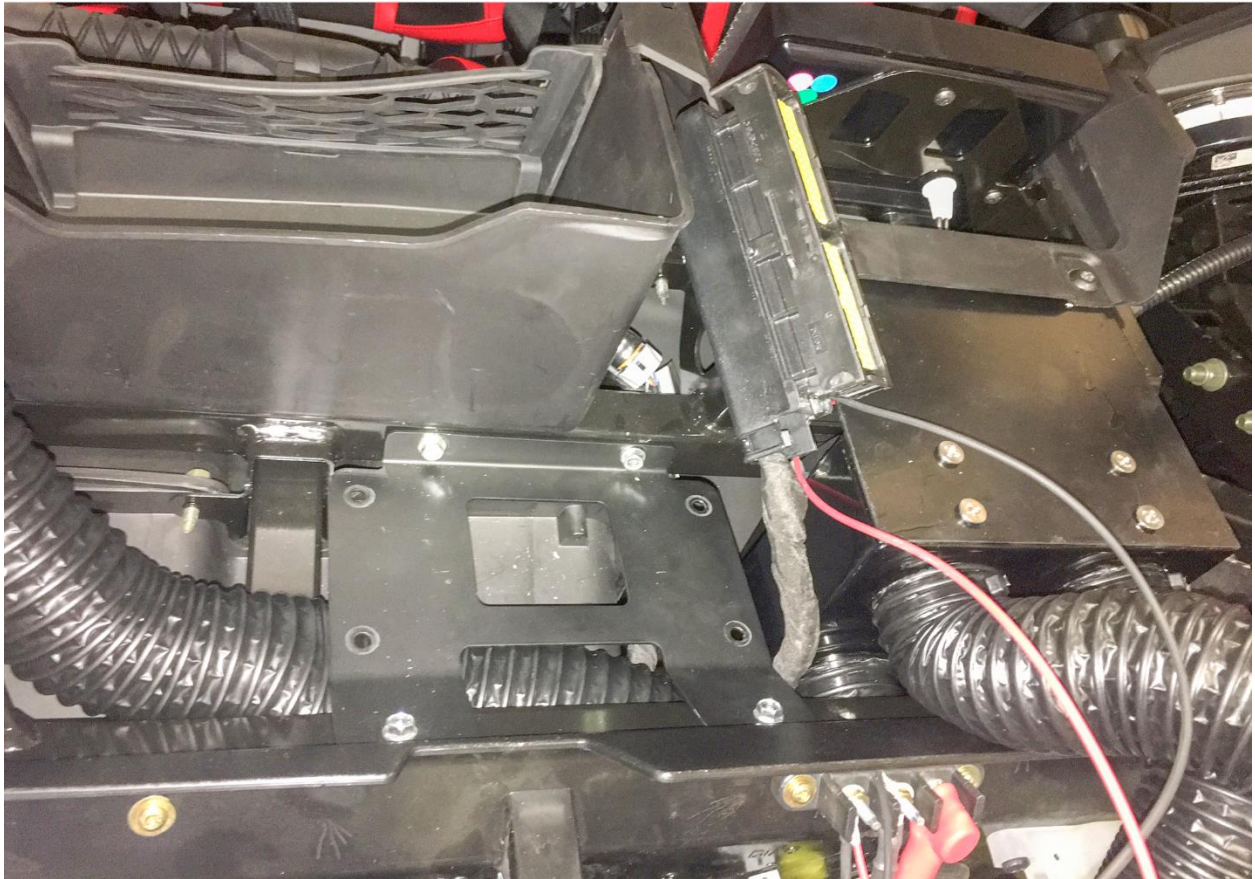
You can either drain the radiator for clamp off the hose when installing the y-fittings. Also, see the diagram on the next page for the directions the Y-Fittings need to face (toward the Radiator).

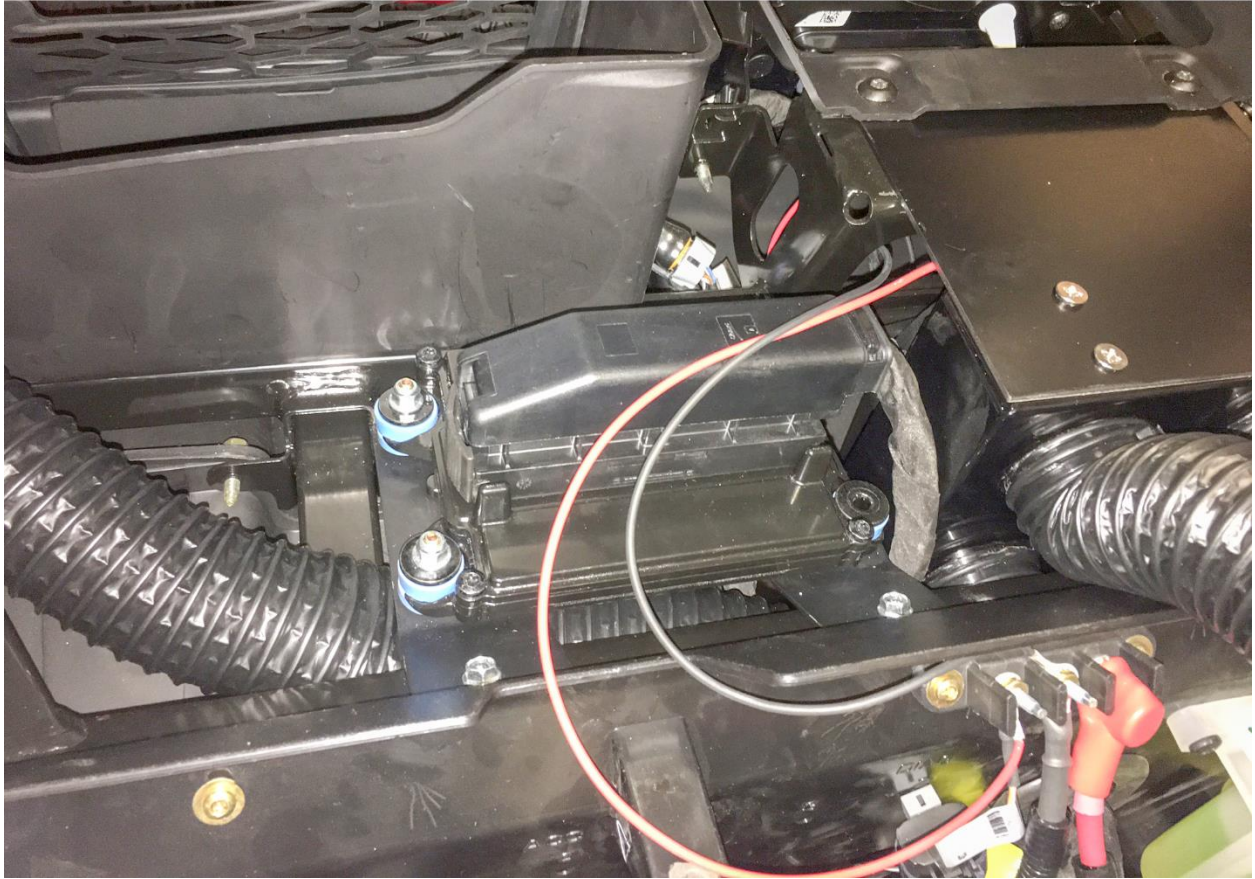
First, drill two 1 3/8" holes in the firewall on the passenger side where the heater hose will feed to the front of the machine (see Photo below for location). Feed the 4-foot piece to the driver side to splice into the upper radiator line and the 5-foot piece toward the passenger side to splice into the lower radiator line (see Photos below) Once the Y-Fittings are in place, secure with the hose clamps provided. Take the heater hose that you have already run from the heater and connect them to the Y-Fitting splices, per the diagram below. The splices need to be pointing towards the radiator because we want the coolant to flow easily to the heater (from the engine) and flow easily back into the radiator (engine) return hose.



RELOCATE RIDE COMMAND BRACKET AND COMPUTER

Once the dash piece comes off you will see the ride-command box mounted in the middle. The command box needs to be removed from the plate and then the plate needs to be removed from between the cross members. The plate will then be installed between those same cross members, but further towards the passenger side (see photos below) with the self-tapping bolts provided. The ride-command box can now be bolted back onto the plate. **MAKE SURE** the arrow on the ride-command box is pointing to the front of the vehicle.





INSTALL LOUVERS AND RUN DUCT

You will need a 2 1/16" hole-saw for the louvers (2" hole-saw will work too, you may just have to take a razor blade to the edges and make opening slightly bigger). When marking for the louvers openings, make sure to pre-measure and mark cutouts to assure they are level and centered before drilling.

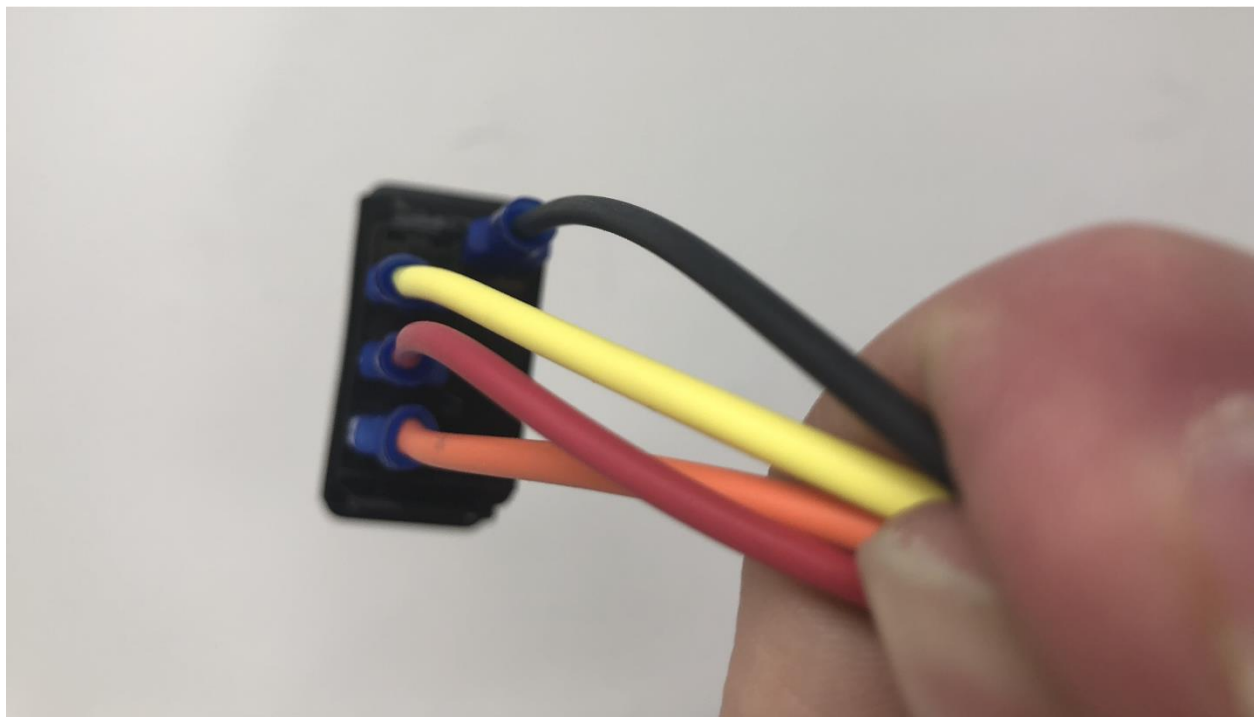
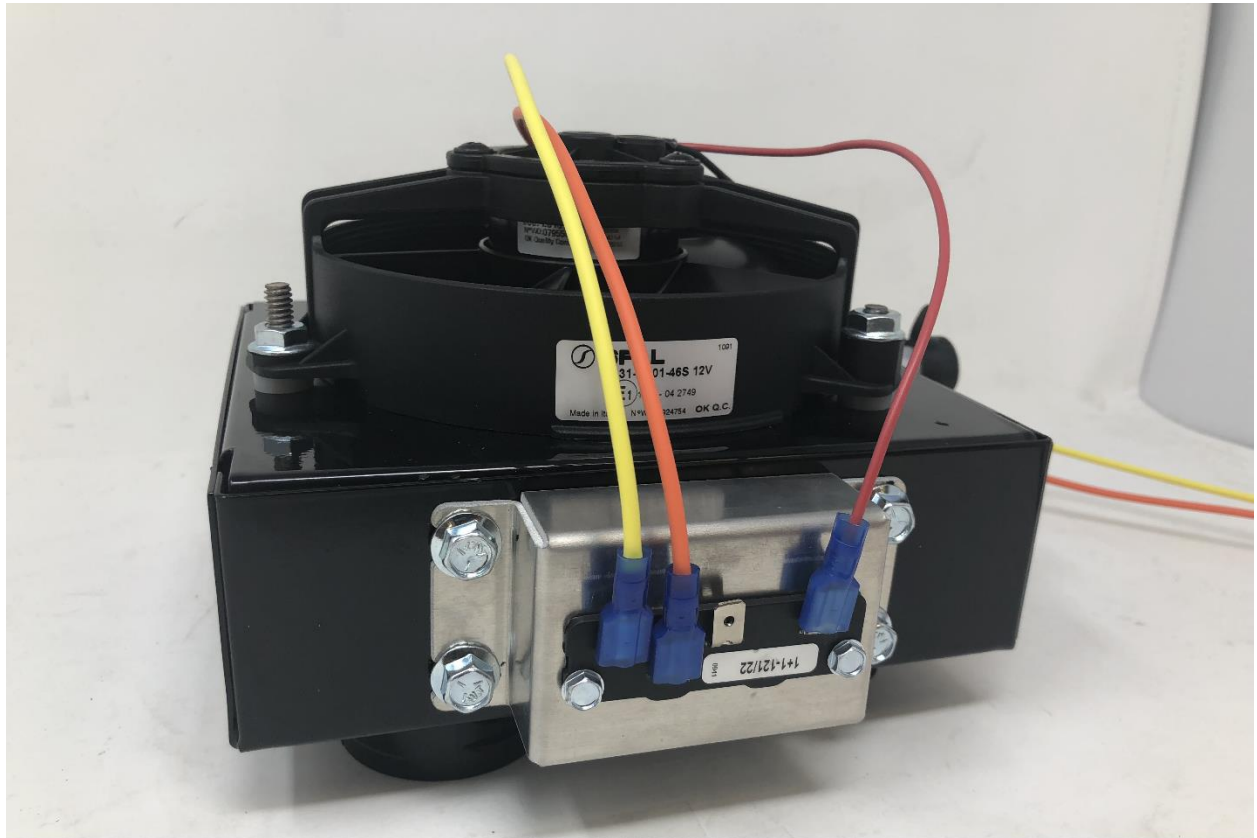
Start with the body/floor louvers. Use our cut-out template and make a small dot to mark where you will start your drill bit and use your hole-saw to cut the opening. Once cut, insert the louver and run the 3-foot runs of duct from the heater box to the louver adapter. Attach the duct hose to the louver adapters and secure with the zip ties provided. If needed, use a needle nose pliers to bear down on the zip tie. A tight hold is very important.

Now the defrost louvers. Make a small dot to mark where you will start your drill bit. After making sure the marks are symmetrical on both sides drill the holes out and insert the louvers. See the location of the defrost louvers below. A couple things to note (1) run the passenger side duct around the drive command (as shown below), and (2) it is OK for the duct runs to get scrunched when turning off the heater box adapters. Plenty of air will still get through and this is a tight fitting area. Perform the wiring (see below) before you attach the duct to the defrost louvers and put the dash cover back on. Once the wiring is complete, attach the duct hose to the louver adapters and secure with the zip ties provided.



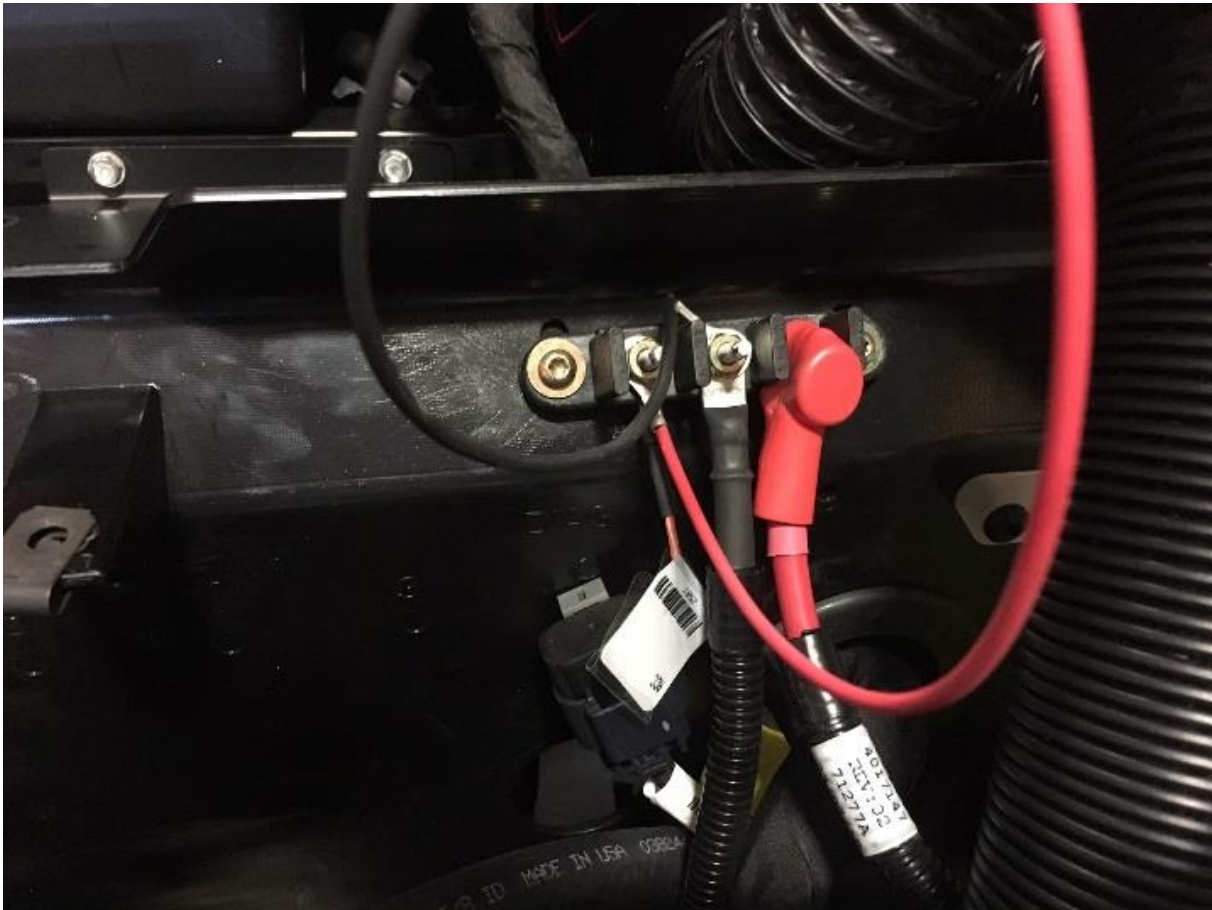


WIRING



Remove the switch cover you wish to use and run the orange and yellow wire (coming from the resistor) through the opening and connect it to the spades on the switch as shown in the picture above. Now take the red and black wires provided in the accessories bag and connect them to the back of the switch as well.

Run your ground (black) from the male spade on the switch (the one all by itself in the corner) to the one marked GND, as shown below. Run the Power wire (red) from the middle male spade on the switch to the one marked ACC (see below).



INSTALL DASH AND HOOD COVER

Now you can put the dash cover and hood back on the machine. Make sure you do the final duct and wiring hook-ups before doing so.

REFILL COOLANT

Now you can refill the radiator and check for leaks. Start the machine and allow the engine to warm up and circulate the coolant, once you start getting good heat run the machine. When done using, recheck coolant level and fill if needed, **make sure the radiator is cool before doing so.** It is possible you will need to run the machine and recheck fluid levels multiple times before working out all of the air and obtaining full heat.

If you have any questions please call us at 1-866-730-7169.