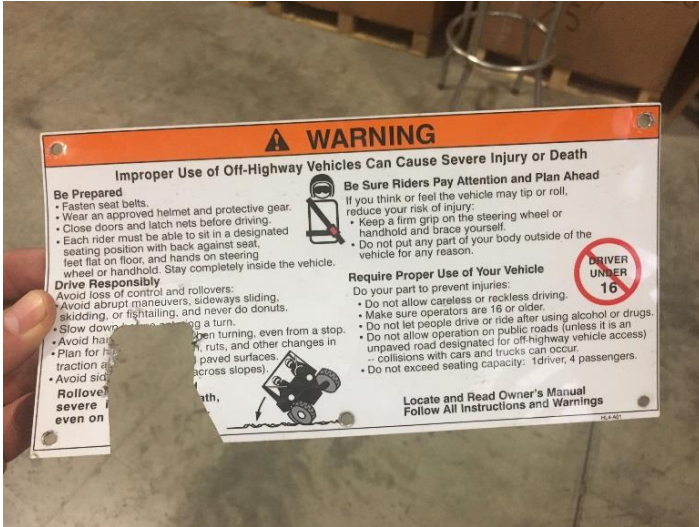


Z4915

Honda Pioneer 1000 & 1000-5 Direct-Fit Cab Heater

PRE-INSTALLATION

For ease of installation you will need to remove the hood and drain the radiator (if you have clamps to clamp off the radiator hoses when installing the Y-Fittings you do not need to drain the radiator). Also, use a heat gun and remove the WARNING plate on the center dash, this is where the defrost louver plate will go. Last, use a 2.5" and 4" hole saw (size of hole saw not important, just need space for three 2" runs of duct to get through) and make openings for where the duct work is going to run through under the Driver's seat.



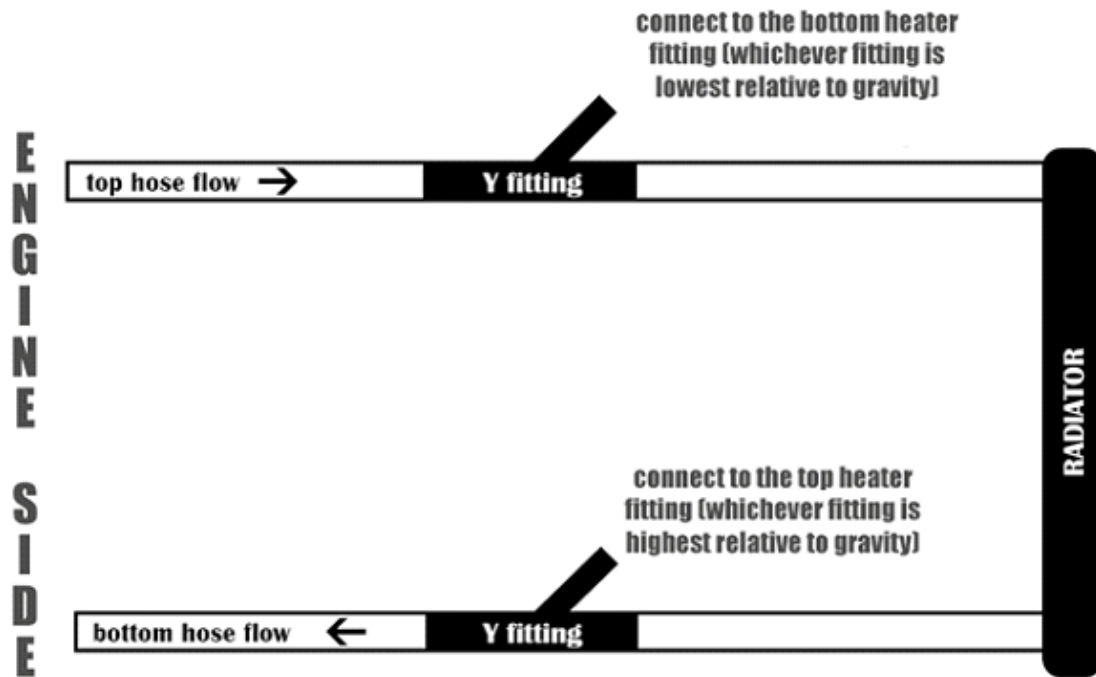
INSTALLING THE HEATER BOX

The heater mounts under the driver's side seat (See Photo below) (Additional Photo in 'INSTALL LOUVERS AND RUN DUCT' section as well). Mark the 4 mounting holes and drill into the floor with a 1/4" drill bit. After the holes are drilled use the 4 screws and washers supplied and mount the heater (See Photo below). Use a 1" hole saw to drill holes for the heater hose to run through (See Photo below). You need to drill the two 1" hose holes before mounting the heater so there is room to get a drill in there. Cut the heater hose into two 3-foot pieces and install them on the heater core fittings before mounting the heater, run the hose through the holes.

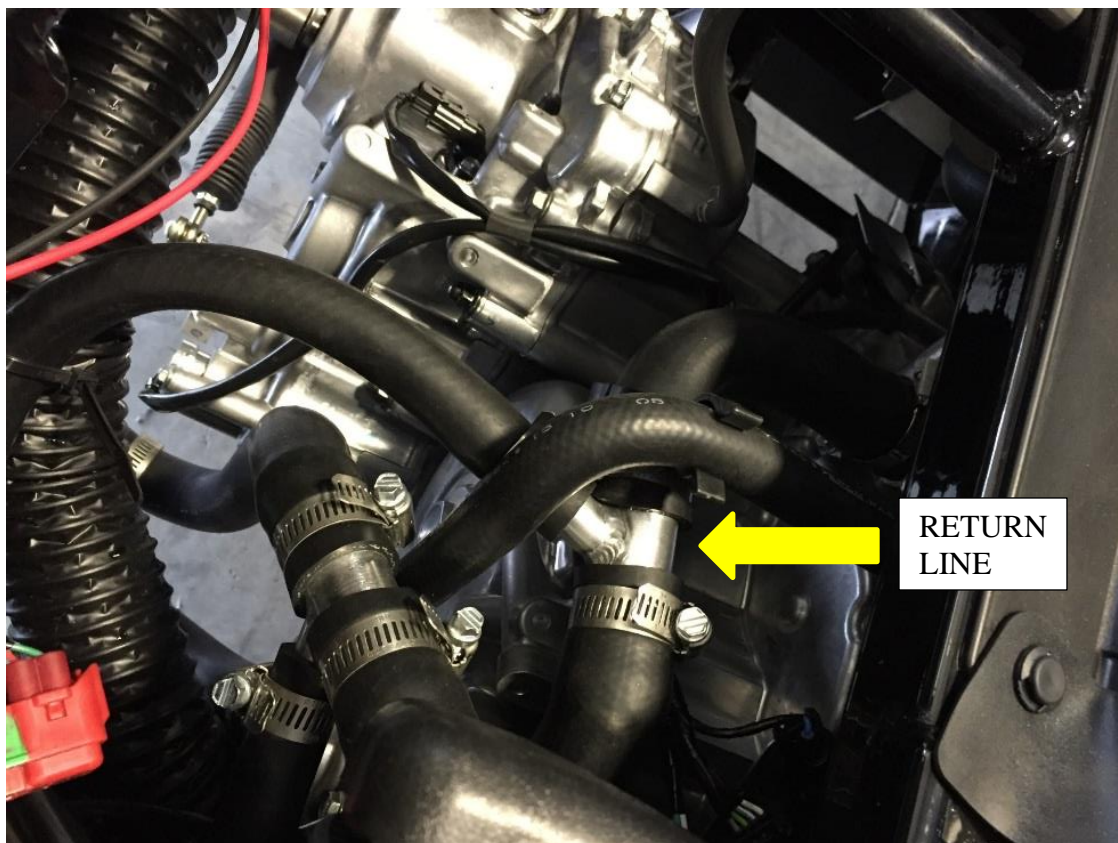


INSTALL THE Y-FITTINGS INTO THE RADIATOR LINES

You will now install the Y-Fittings into the lower and upper radiator hoses, refer to the diagram below for the direction the Y-Fittings need to be placed in the hoses.



The easiest place to splice into the radiator hose is underneath the middle seat (See Photo below). Cut into the radiator lines and install the Y-Fittings, secure with the hose clamps provided. Run the heater hose from the Y-Fitting in the upper radiator hose to the heater core fitting that is lowest, relative to gravity. Run the other hose from the lower (Return Line) radiator hose to the heater core fitting that is highest relative to gravity.

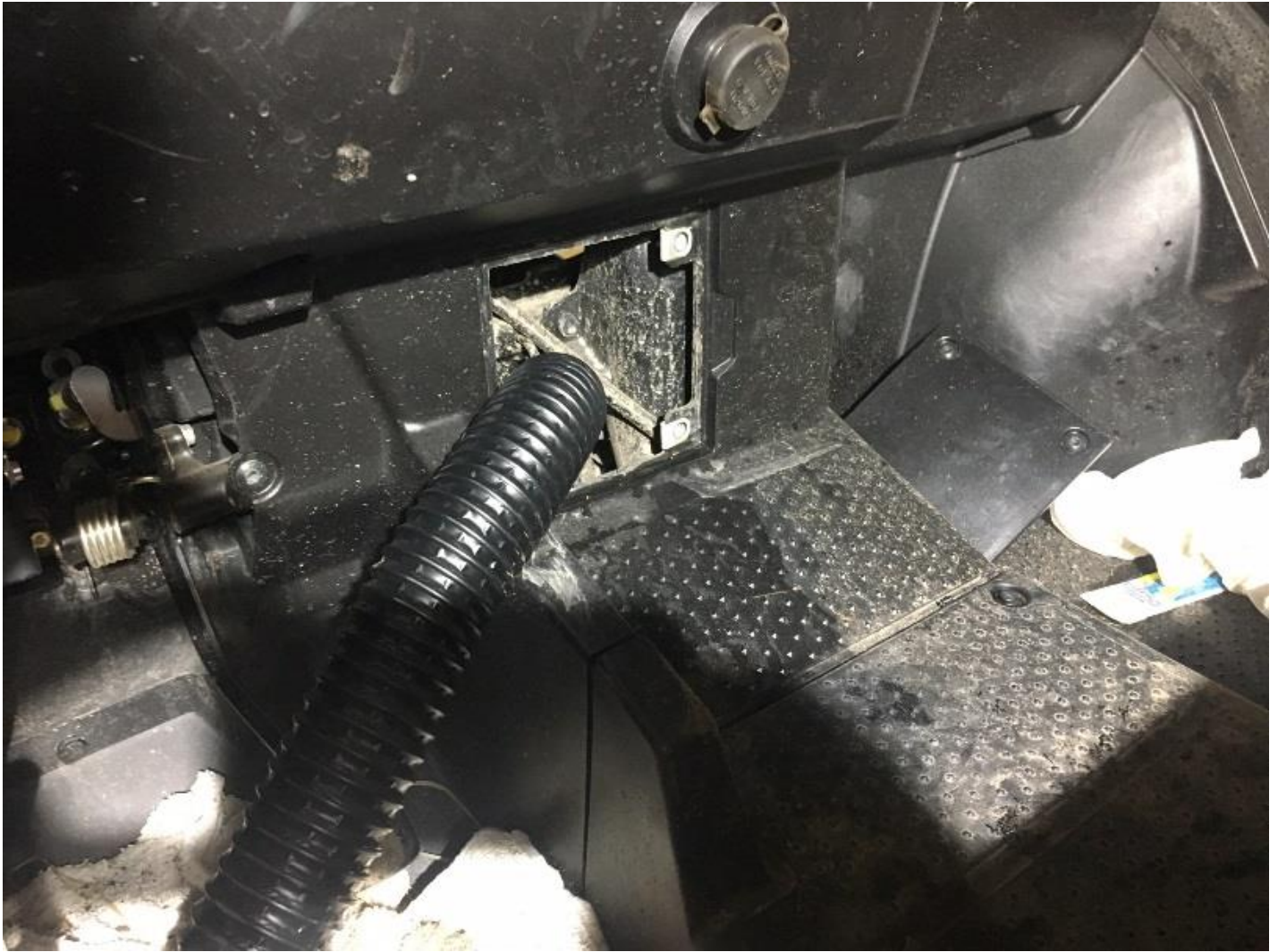


INSTALL LOUVERS AND RUN DUCT

A 2.5" hole-saw is the size of hole you need for the louvers.

In the kit is a defrost louver plate that will rivet into the same location as the WARNING plate you removed, install the plate with the rivets provided and then drill out the two defrost louvers using a hole saw (bit starting points are drilled on the plate). Next, take the duct 'Y' included in the kit and cut two 23" pieces of duct and attach both of them to the 'Y'. Slip these two pieces of duct over the backs of the defrost louvers and secure with the zip ties provided. Once snug, use a needle nose pliers and get an extra tight pull on the zip tie, you do not want the zip tie to move at all. Now push the duct 'Y' down to the access opening (See Photo below), this is where the final duct will be installed onto the third 'Y' opening. Cut a 6-foot piece of duct and run it from under the seat, through the center "doghouse" and pull it up through the access opening. Install the duct onto the 'Y' and secure with a zip tie. Pull the excess duct back through under the seats and put the access panel back on.





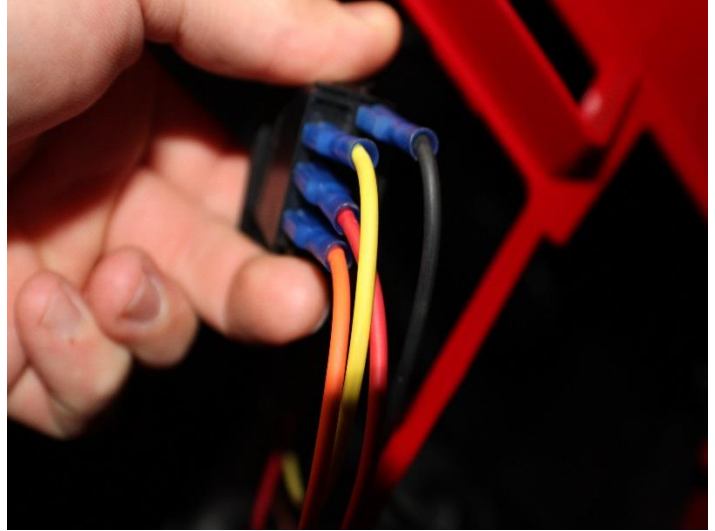
The two floor louvers were put in the locations below. Cut the remaining duct in half (roughly two 4-foot pieces will be left) and secure these pieces to the backs of the floor louvers. Bear down with the zip ties and run the duct toward the heater. Now attach the 3 runs of duct to the heater and clamp down with zip ties. You are now done with the duct work.



WIRING

With our plate attached, you will need a utility knife to cut the square out for the switch. We drilled all four corners and found this to be beneficial before cutting with the knife. Wait to install the switch into opening until all 4 wires have been connected to the back. See the Photo below for how to hook up the wiring into the back of the switch.

There will also be a fused red wire that will get connected to the middle spade terminal. The fused red wire can be ran to the positive side of the battery that is under the hood (See Photo below). The Ground (black) wire will get connected to the upper right spade terminal and connect to the battery as well.



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 getting good heat from the heater.

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