

Honda Pioneer 1000 (2016 - Current) Direct-Fit Cab Heater with Defrost

STEP 1: PRE-INSTALLATION

- 1) Remove the hood cover.
- 2) Remove the driver/passenger seat cushion.
- 3) Remove the front skid plate (**PIC01**).
- 4) Underneath the driver seat cut an opening to run the duct through (**PIC02**).
- 5) Set the heater in place (**PIC03**) and mark where the core fittings point at the rear panel.
- 6) Drill out (2) 1-3/8" holes on the spots and install the rubber grommets (**PIC04**).

STEP 2: MOUNTING THE HEATER

- 7) Set the heater in place underneath the driver seat (**PIC03**).
- 8) Mark the 4 mounting holes and remove the heater from underneath the driver seat.
- 9) Drill out the 4 mounting holes through the skid plate and set the heater back in the spot.
- 10) Use the bolts – washers – nuts to secure the heater to the skid plate (**PIC05**).
 - The bolt (and nut) start on the bottom of the skid plate (**PIC05**).

STEP 3: SPLICE INTO THE COOLANT LINES

- 11) Cut the heater hose into (2) pieces of 3'.
- 12) Raise the rear bed and from the driver side, remove the plastic engine shield (**PIC06**).
- 13) Locate the oil cooler hose (**PIC07**) and using clamps, pinch off the oil cooler line on each side of where you will make the cut (**PIC07**).
- 14) Install a straight fitting on each open end of the oil cooler lines, secure with the hose clamps provided (**PIC07**).
- 15) Run a piece of hose from the lowest heater box fitting (relative to gravity) to the inlet oil cooler line fitting (**PIC07**), and secure with the hose clamps provided.
 - See **PIC06** for how the hose should be run to the oil cooler line fittings.
- 16) Run a piece of hose from the highest heater box fitting (relative to gravity) to the return oil cooler line fitting (**PIC07**), and secure with the hose clamps provided.

STEP 4: INSTALL LOUVERS

- 17) Remove the WARNING plate on the dash (use a heat gun to loosen adhesive).
- 18) Set the switch place where the WARNING plate use to be and use a 3/16" bit to bore out the holes on the switch plate, going through the plastic dash panel.

NOTE: we include switch plates for both the standard (**PIC08**) and LE (**PIC09**) models.
- 19) Now install the (6) black rivets (starting with the middle two and working out) to secure the switch plate to the dash.
- 20) Using a 2.5" hole-saw drill out the (2) holes for the defrost louvers (**PIC08**) (**PIC09**) and the floor louvers (**PIC10**).
 - For the floor louvers, measure down 3" from the top of the embossment to assure the louvers are symmetrical, then center the mark on the embossment.

- 21) Install the defrost louvers by screwing off the back adapter and setting the face in the hole. Screw on the back adapter and install the duct hold clips on the adapter.

STEP 5: INSTALL DUCT

- 22) Cut a 36" piece of duct and secure it to the backside adapter of the driver side floor louver using the zip ties provided.
- 23) Cut a 44" piece of duct and secure it to the backside adapter of the passenger side floor louver using the zip ties provided.
- 24) Install the other ends of the floor louver duct to the heater box adapters using the zip ties provided.
- 25) Cut (2) 12" pieces of duct and secure them to the Duct Y-adapter. Then secure the other ends to the back adapters of the defrost louvers.
- 26) Take the 8-foot piece of 2-1/2" duct and run it from the 2-1/2" adapter on the heater box to the front of the machine.
 - Remove the access panel to help feed the duct through (**PIC11**).
 - With front skid plate removed, work from under the machine to feed the duct.
- 27) Install the other end of the duct to the Duct Y-adapter.

STEP 6: WIRING

- 28) Install the rocker switch into the switch plate opening.
 - Use a razor plate to cut through the dash.
- 29) Using the wiring harness, plug the switch connector into the back of the rocker switch.
- 30) Using the wiring harness, run the high/low wire (yellow/orange) connector to the heater blower connector.
 - Follow the same route the duct took to get to the heater box, use the extra zip ties to secure the wiring.
- 31) Locate the 12v charging dock (**PIC11**). Un-plug the wiring connector from the backside and splice into this connection with our wiring harness (**PIC12**).
- 32) Test the heater blower before reinstalling all the pieces removed from the machine.

STEP 7: REFILL COOLANT

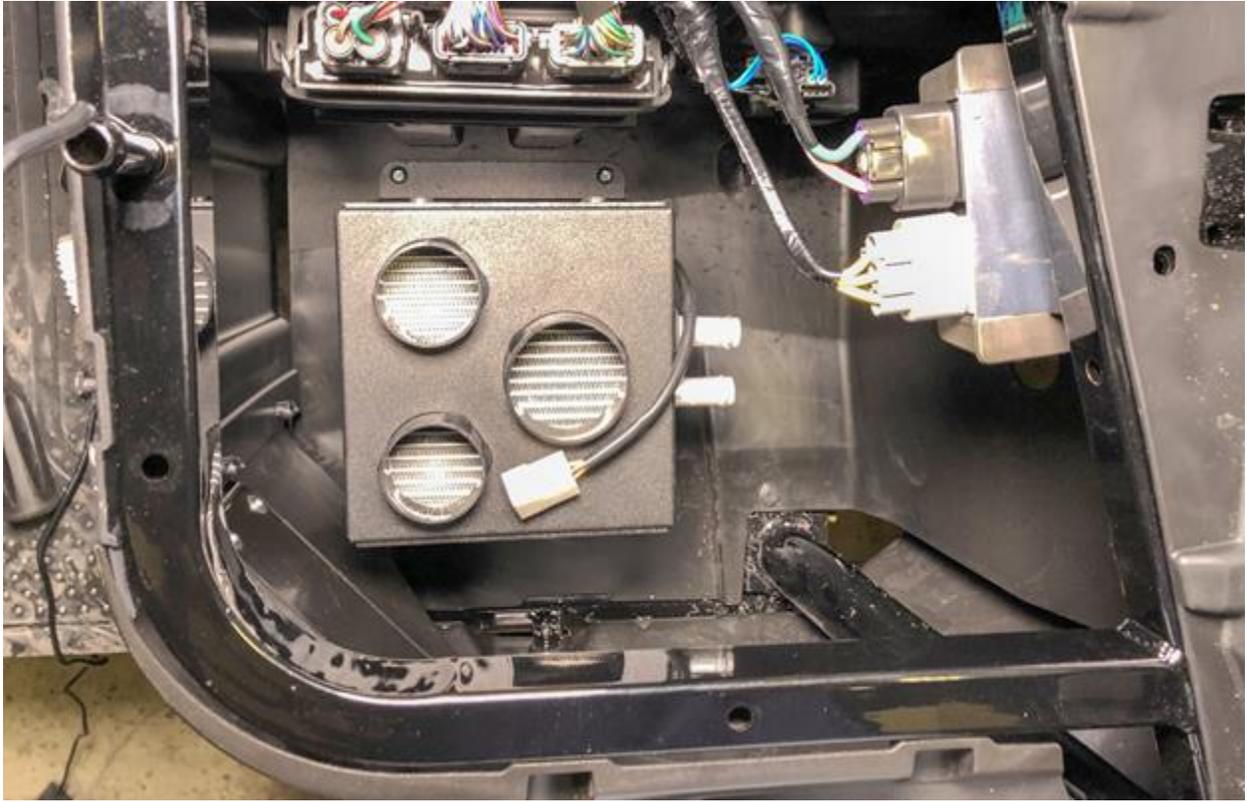
- 33) Refill the radiator and check for leaks.
- 34) Start the machine and allow the engine to warm up and circulate the coolant.
- 35) Drive the vehicle and put it under a good load, this will help expel air from the system.
- 36) When done let the machine cool down, recheck the coolant level and refill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



PIC01



PIC02



PIC03



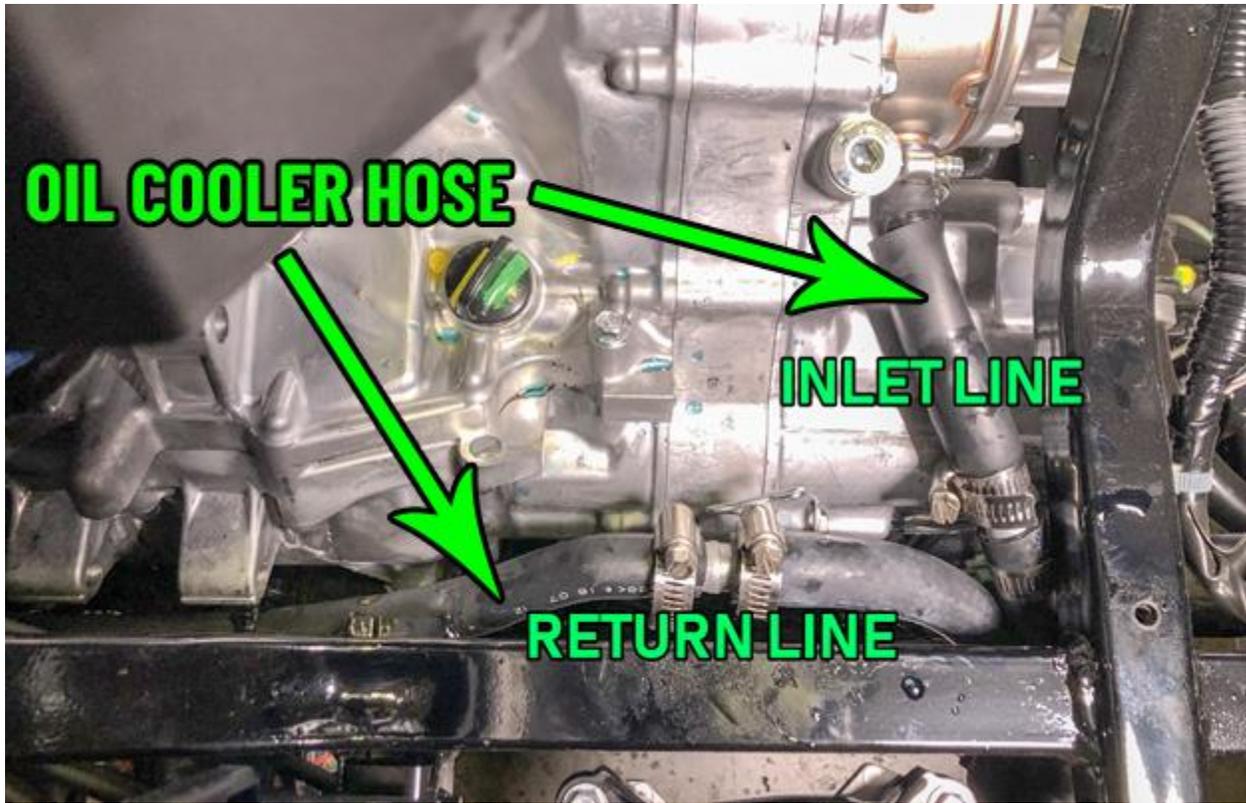
PIC04



PIC05



PIC06



PIC07



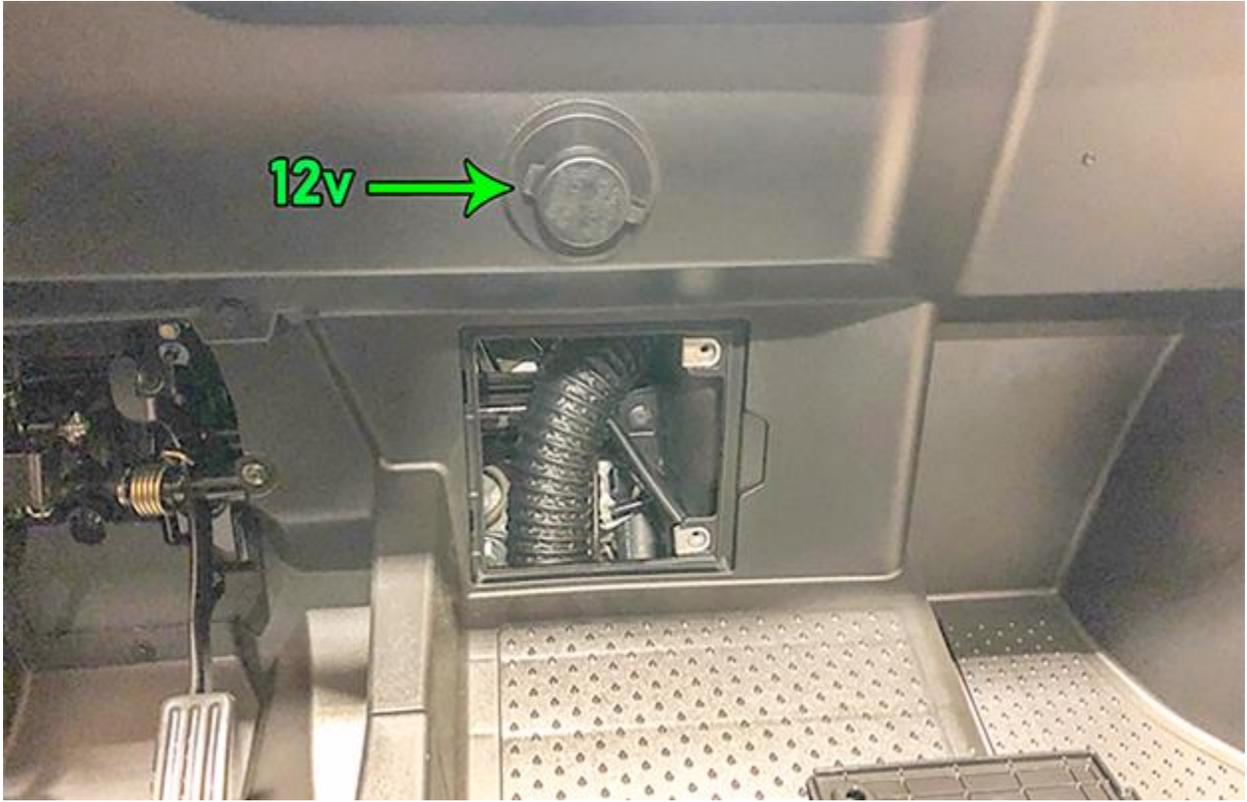
PIC08



PIC09



PIC10



PIC11



PIC12

