

## Honda Pioneer 500 (2015 - Current) Direct-Fit Cab Heater with Defrost

### STEP 1: PRE-INSTALLATION

- 1) Remove the front hood.

### STEP 2: INSTALL LOUVERS

- 2) Take the thin-line defrost louvers and set the base on the dash and trace the vent opening as well as the two screw holes. See **PIC01** and **PIC02** for defrost locations.
- 3) Use a 1/8" drill bit for the two screw holes and a 1/2" bit for the two large holes and make the pilot holes shown in **PIC03**.
- 4) Using a razor blade (or other preferable tool) cut out the traced vent opening (**PIC04**).
- 5) Install the vent grill on the top side and the adapter on the back side and tighten using the screws provided.
- 6) Cut a 24" piece of duct and attach it to the passenger side defrost vent, secure with the zip ties provided. Leave the duct hang for now.
- 7) Cut a 30" piece of duct and attach it to the driver side defrost vent, secure with the zip ties provided. Leave the duct hang for now.
- 8) You need a 2.5" hole-saw to cut holes for the two floor louvers. Use the louver cut-out templates and tape them in the locations shown in **PIC05**.
  - Make sure to measure off the edge of the dash panel to assure the louver cuts are symmetrical.
  - Use a 1/8" bit and drill pilot holes in the middle of the templates, this is where you will start your hole-saw bit.
- 9) Cut the holes and install the louvers.
  - The louvers are 2-piece louvers. Screw off the back adapter and set the face in the hole, then screw the adapter on from the backside of the dash panel.
  - Install the duct clips to the louver adapters for maximum hold.
- 10) Cut a 24" piece of duct and attach it to the passenger side floor vent, secure with the zip ties provided. Leave the duct hang for now.
- 11) Cut a 30" piece of duct and attach it to the driver side floor vent, secure with the zip ties provided. Leave the duct hang for now.

### STEP 3: WIRING

- 12) Remove the WARNING sticker and replace it with the switch panel provided (**PIC01**).
  - Use the black rivets provided in the kit to install the switch panel.
- 13) Cut out the switch openings using a razor blade.
- 14) Install the rocker switch and use the switch covers provided to cover up any unused openings.
- 15) Using the wiring harness, plug the switch connector into the back of the rocker switch.
- 16) Locate the 12v charging dock (**PIC06**). Un-plug the wiring connector from the backside and splice into this connection with our wiring harness (**PIC07**).
- 17) Leave the white blower connector, this will be plugged into the heater blower in STEP 4.

#### **STEP 4: INSTALLING THE HEATER BOX**

- 18) Set the heater in place, and before mounting the heater, connect all (4) runs of duct to the heater box. Trim the duct as needed and secure with the zip ties provided.
- 19) After the duct is secured, set the heater in place and mount the heater to the framing bars using the self-taping screws provided (**PIC08**).  
**NOTE:** The heater is mounted as far to the passenger side as possible to make room for the aftermarket power steering kit.
- 20) Using the wiring harness, plug the white blower connector into the heater blower connector.

#### **STEP 5: SPLICE INTO THE RADIATOR LINES**

- 21) From the front passenger side wheel well, clamp off the upper radiator hose at the front of the machine, just after it comes out from under the machine. This will limit coolant loss.
- 22) At the radiator, use a #6 socket and loosen the hose clamp on the upper radiator hose, where it connects to the radiator.
- 23) Use a flat head screw driver and pry the radiator hose off the upper radiator fitting.
- 24) Connect the upper radiator hose to the upper (relative to gravity) heater core fitting (**PIC09**).
- 25) Double clamp (clamps in opposite directions) the radiator hose to the upper heater core fitting (**PIC10**).
- 26) Take the heater hose provided and cut a 2" piece. Using the hose clamps provided, secure the 2" piece to one side of the PEX elbow provided.
- 27) Secure the remaining heater hose to the other side of the PEX elbow, secure with the hose clamps provided.
- 28) Slide the 2" heater hose onto the lower heater core fitting (wait to tighten the hose clamp until to have the other side of the heater hose slid onto the upper radiator fitting).
- 29) Trim to fit the heater hose onto the upper radiator hose and secure with the hose clamps provided.

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

- 30) Refill the radiator and check for leaks.
- 31) Start the machine and allow the engine to warm up and circulate the coolant.
- 32) Drive the vehicle and put it under a good load, this will help expel air from the system.
- 33) When done let the machine cool down, recheck the coolant level and refill if needed.
- 34) 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



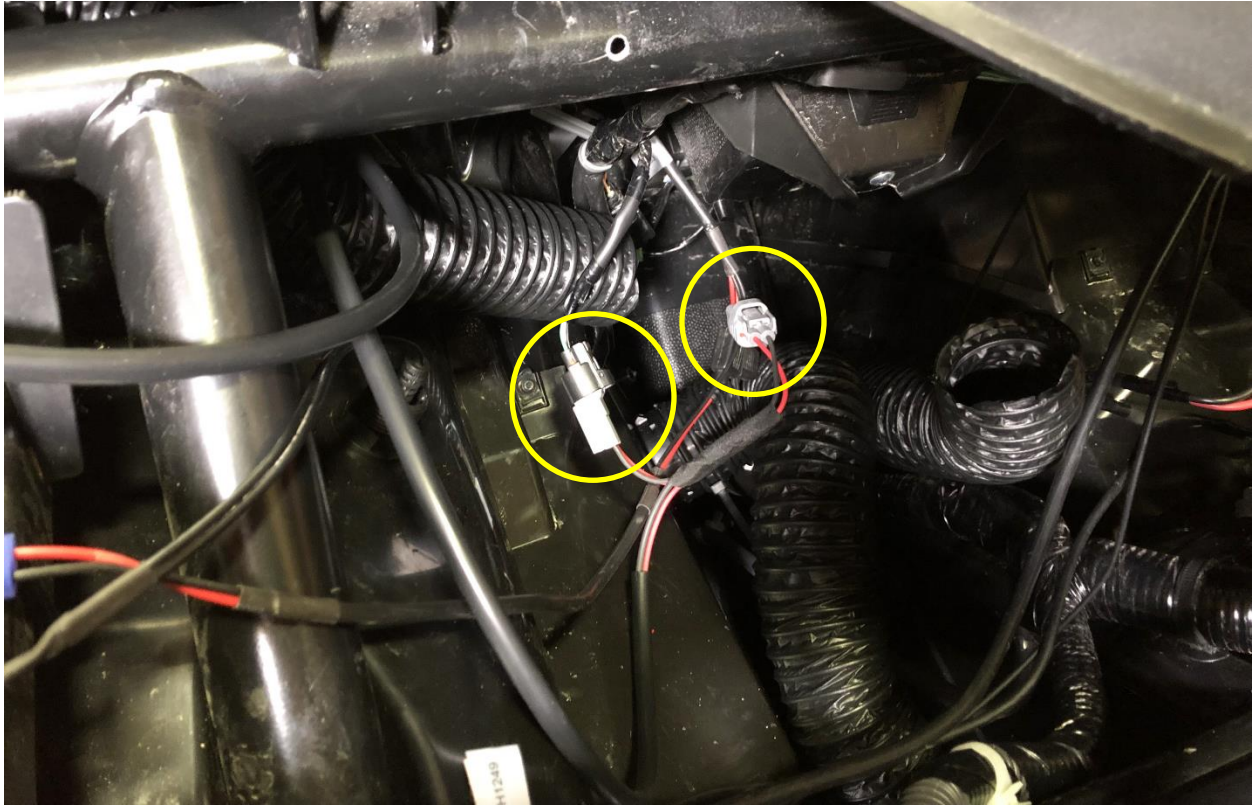


PIC05



PIC06





PIC07



PIC08





PIC09



PIC10

