

CF Moto Z-Force 1000 800 500 (2014 - Current)

Direct-Fit Cab Heater with Defrost

320

STEP 1: PRE-INSTALLATION

- 1) Remove the front hood.
- 2) Remove the plastic mold under the hood – heater will install in this space.
- 3) Remove the side fender guards (**PIC01**).
- 4) Leave the main dash/hood piece on the machine, but make sure it is fully uninstalled so you can lift up when installing the defrost vents.

STEP 2: MOUNTING THE HEATER

- 5) The heater mounts under the hood between two framing bars (**PIC02**).
- 6) Mark the 2 mounting holes and drill into the steel framing with a 1/8” drill bit.
- 7) Use the 2 self-taping screws and securely mount the bracket in the pre-drilled holes.
- 8) The bottom mounting bracket installs reusing the factory bolt and bolt hole.

STEP 3: SPLICE INTO THE COOLANT LINES

- 9) If you do not have line clamps to limit coolant loss, drain the radiator.
- 10) Cut the provided heater hose into (2) 30” pieces.
- 11) Install the Y-Fittings into the upper and lower radiator lines (**PIC03**), and secure with the hose clamps provided.
 - Make sure to install the Y-Fittings so the 5/8” splice is opening up toward the radiator to keep with the coolant flow (**PIC04**).
- 12) Run the Inlet heater hose from the lower heat core fitting (relative to gravity) on the heater box to the inlet Y-Fitting, secure with the hose clamps provided (**PIC04**).
- 13) Run the Return heater hose from the higher fitting (relative to gravity) on the heater box to the return Y-Fitting, secure with the hose clamps provided (**PIC04**).

STEP 4: INSTALL VENTS / LOUVERS AND RUN DUCT

- 14) Tape the defrost vent cut template in place and mark the cut lines (**PIC05**).
- 15) Cut out the marked opening (**PIC06**). We used a utility knife and used a torch to heat the blade so it went into the plastic easier. You can also use an air saw or jig saw. Make sure not to scratch the dash panel.
- 16) Install the two defrost vents in the cut-out openings.
- 17) Using the louver templates from the instructions, tape on the inner kick guards where you will install the floor louvers. Measure using reference points to make sure both louvers are symmetrical to each other.
- 18) Drill a 1/8” bit pilot hole in the middle of the template. Use this pilot hole to start the hole-saw.
- 19) Using a 2.5” circle saw, cut the louver openings and install the two circular floor louvers (**PIC07**).
 - The louvers are 2-piece louvers. Screw off the adapter and set the face in the hole, then screw the adapter on the back side of the kick guard panel. Install the duct clips on the adapters for maximum hold.
- 20) Cut two 24” pieces of duct and run them from the two ports closest to the cab to the defrost vents. Secure with the zip ties provided (**PIC08**).

- 21) Cut two 48" pieces of duct and run them from the two ports closest to the radiator to the two floor louvers. Secure with the zip ties provided (**PIC08**).

STEP 5: WIRING

- 22) Located under the middle dash, remove the plastic panel that covers the wiring.
- 23) Remove one of the factory switch plates and install the rocker switch provided.
- 24) Using the wiring harness provided, plug the switch connector into the back of the rocker switch.
- 25) Using the wiring harness provided, plug the OEM accessory 12v connector into one of the available OEM connectors under the dash.
- 26) Using the wiring harness provided, run the blower fan connector to the front of the machine and plug into the blower connector.
- 27) Once the wiring is complete test it to make sure the blower runs properly.

STEP 6: REFILL COOLANT

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



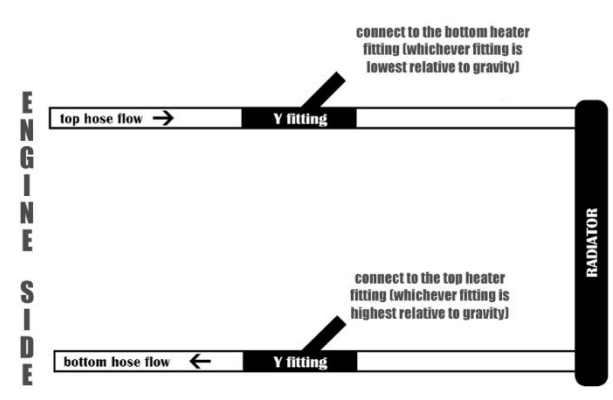
PIC01



PIC02



PIC03



PIC04



PIC05



PIC06



PIC07



PIC08

BLANK

