

## CF Moto U-Force 1000 (2018 - Current) Direct-Fit Cab Heater with Defrost

### STEP 1: PRE-INSTALLATION

- 1) Remove the hood.
- 2) Remove the connectors from the winch wire harness (**PIC01**). One connector you will access from the hood opening and the other from the driver side front wheel well.
- 3) Remove the lower dash panel (**PIC03**).

### STEP 2: INSTALL LOUVERS

- 4) Measure 2-1/4" off the edge of the previously removed lower dash panel (**PIC02**) and mark where you will start the drill bit of your hole-saw for the floor louvers.
- 5) Use a 2-1/2" hole-saw and drill out the holes.
- 6) Screw off the adapter on each floor louver and install the duct hold clips on the adapters.
- 7) Install the floor louvers by setting the face in the hole and screwing on the adapter (**PIC03**). The ducting will be attached later in the installation.
- 8) For the defrost vents, set the grill on the defrost locations and mark each screw hole.
- 9) Drill out the two screw holes with a 1/4" bit (**PIC04**).
- 10) Drill out two 1/2" holes inside each screw hole (**PIC04**).
- 11) Make cuts connecting each 1/2" hole using a razor blade knife (**PIC05**).
- 12) Cut (2) 24" runs of duct and install them onto the backside defrost adapters using the zip ties provided.
- 13) Hold the backside adapter underneath the dash panel and set the grill on top. Use the screw provided to drill through the grill and into the adapter (**PIC06**).
- 14) Leave the runs of duct hang, you will install them onto the heater box later in the install.

### STEP 3: MOUNTING THE HEATER

- 15) Measure up from the lower mold corner 2-1/8" and make a mark for each bracket hole (**PIC07**).
- 16) On these marks, use a 1/8" drill bit to pilot two holes for the self-tapper screws. This will be mounting into the framing bar located behind the firewall.
- 17) Use the (2) self-tapper screws provided and install the lower mounting bracket (**PIC08**).
- 18) Now mount the upper mounting bracket, begin by making a pilot hole in the round framing bar and then installing the self-tapping screw provided (**PIC08**).

### STEP 4: SPLICE INTO THE COOLANT LINES

- 19) Using a 1-3/8" hole-saw drill out the holes and insert the (2) rubber grommets included with the kit (**PIC09**).
- 20) Cut the heater hose into pieces of 4-feet and 3-feet.
- 21) Using clamps, pinch off the upper (inlet) radiator line on each side of where you will make your cut (**PIC10**).
- 22) Make cut into the line and install a Y-Fitting, secure with hose clamps provided (**PIC10**).

- Make sure the splice fitting is pointing up, you want the coolant to easily flow into the splice (Example: a car exiting a highway exit ramp).
- 23) Take the 4-foot heater hose and slide it through the rubber grommet and onto the Y-Fitting making a gradual loop as show in **PIC11**. Then attach the other end to a heater core fitting, secure with a hose clamp.
  - 24) Using clamps, pinch off the lower (return) radiator line on each side of where you will make your cut (**PIC10**).
  - 25) Make cut into the line and install a Y-Fitting, secure with hose clamps provided (**PIC10**).
    - Make sure the splice is point toward the radiator, you want the heater core coolant to re-enter the radiator hose keeping with the flow (not fighting it).
  - 26) Take the 3-foot heater hose and slide it through the rubber grommet and onto the Y-Fitting making a gradual loop as show in **PIC11**. Then attach the other end to a heater core fitting, secure with a hose clamp.
  - 27) Use a zip tie and secure the heater hose to the framing as shown in **PIC11**.

**NOTE:** There is a shut-off valve included in the kit, if you wish to be able to stop the flow of coolant to the heater during warm months, install this valve on either heater hose. Install in an accessible location that is easy to get to.

## **STEP 5: WIRING**

- 28) Install the rocker switch into a factory switch opening.
- 29) Using the wiring harness, plug the switch connector into the back of the rocker switch.
- 30) Locate the wiring for the 12v accessory outlets on the dash (**PIC12**).
- 31) Disconnect the factory 12v connector and put our splice wiring harness in-line with the factory connectors (**PIC13**).
- 32) Using the wiring harness, plug the white connector into the heater blower connector.

## **STEP 6: INSTALL LOUVERS**

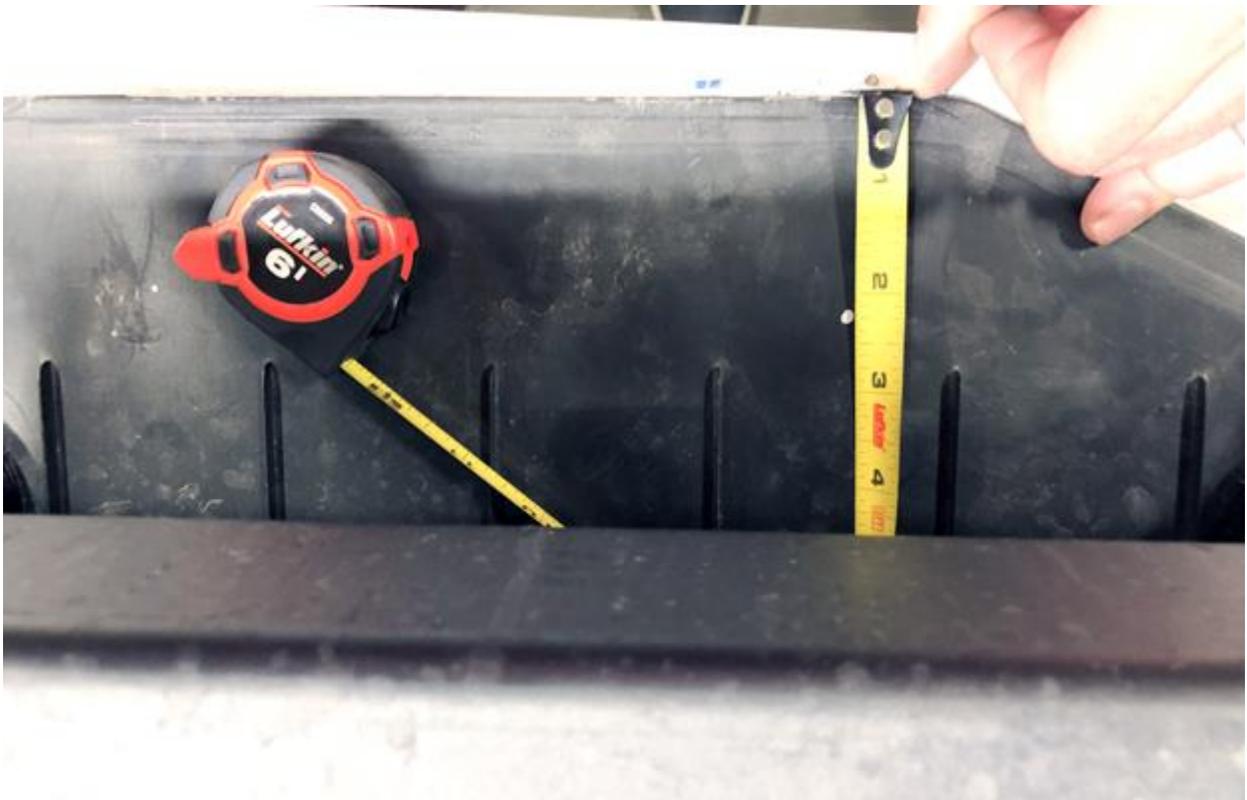
- 33) Connect the (2) defrost vent duct runs to the heater box adapters closest to the firewall.
- 34) Cut (2) 18" runs of duct and install them onto the front heater box adapters, leave them hang (**PIC14**).
- 35) Remove the cubby hole and then re-install the lower dash panel (**PIC15**).
- 36) Connect the two remaining runs of duct to the floor louvers. You can access the louver adapters to install the duct because the cubby hole was removed from the lower dash.
- 37) Install the cubby hole back onto the lower dash panel (**PIC16**).

## **STEP 7: REFILL COOLANT**

- 38) Refill the radiator and check for leaks.
- 39) Start the machine and allow the engine to warm up and circulate the coolant.
- 40) Drive the vehicle and put it under a good load, this will help expel air from the system.
- 41) When done let the machine cool down, recheck the coolant level and refill if needed.
- 42) 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



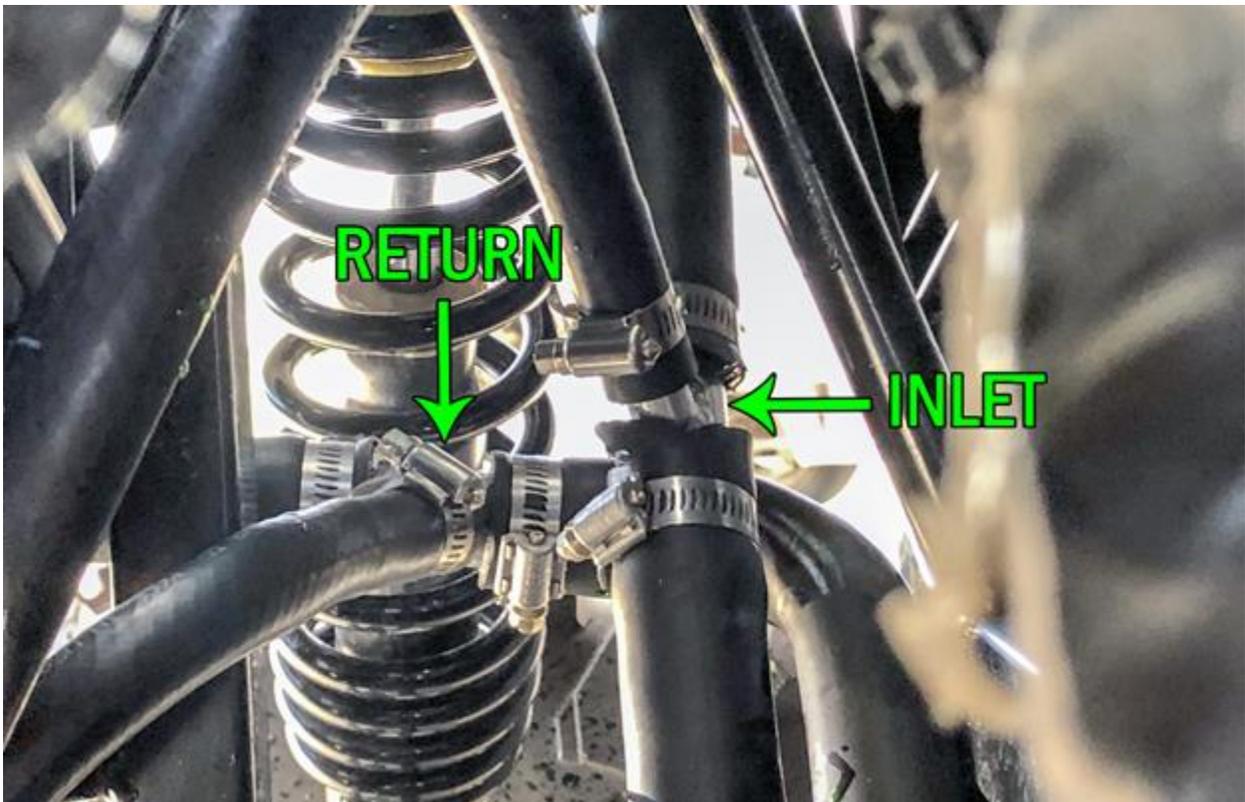
PIC07



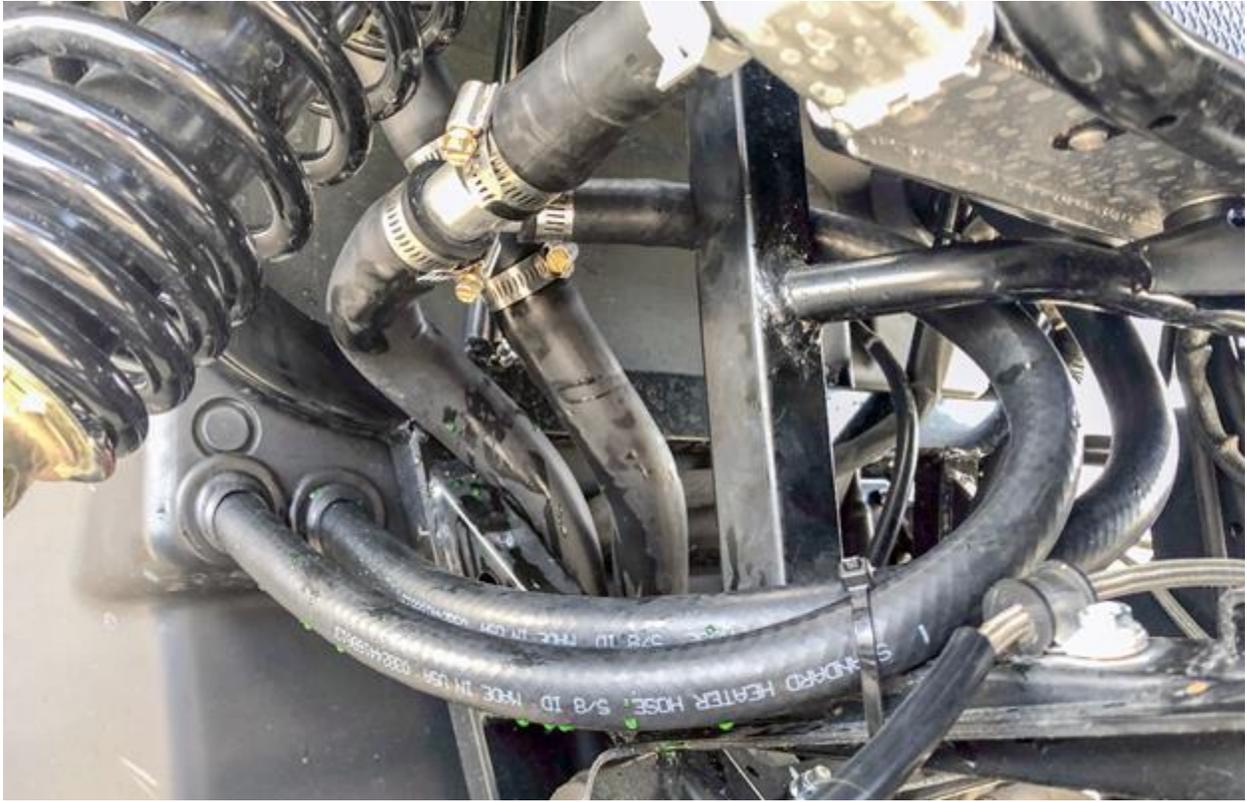
PIC08



PIC09



PIC10 – PICTURE TAKEN FROM DRIVER SIDE WHEEL WELL



PIC11



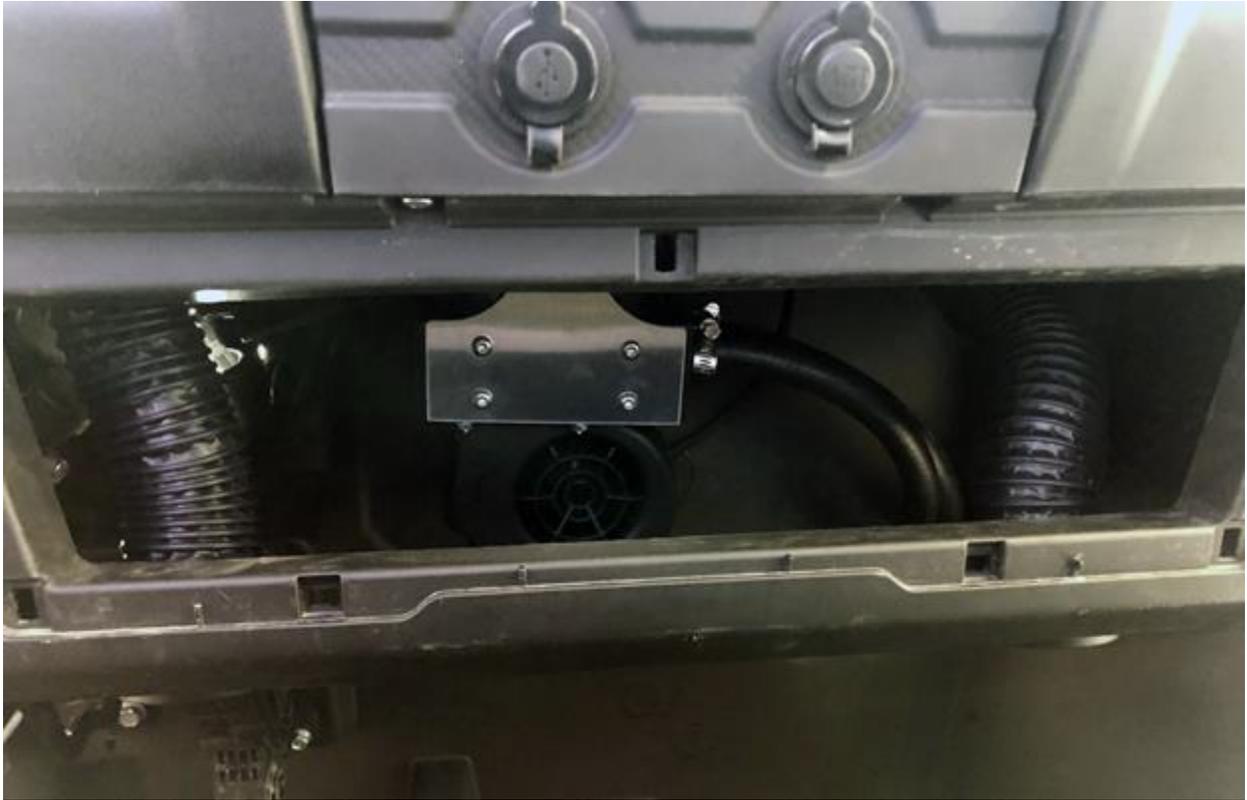
PIC12



PIC13



PIC14



PIC15



PIC16

