Can-Am Maverick X3 (2017 - Current)
Direct-Fit Cab Heater with Defrost

STEP 1: PRE-INSTALLATION

1) Remove the passenger seat (**PIC01**). You will need an extension on your drill to reach the bolts to remove the seat.
    - Rear Bolts: 18mm socket
    - Front Bolts: 13mm socket
    - Seat Belt: 16mm socket
    - Get a 10mm socket as this will be used numerous times during the installation.
2) Remove the side rocker panels (**PIC01**). 6 large head rivets are included to reinstall these.
3) Remove the dash panels on each side – these need to be removed for the defrost ducts.
4) Remove the panels on each side of the center console - need to run heater hose and duct through it.
    - Take the passenger side panel (**PIC02**) and cut the bump out in the panel to create a larger opening (**PIC03**).

STEP 2: SPLICE INTO THE RADIATOR LINES

5) Cut the heater hose into (2) 6-foot pieces.
6) Remove the hood to access the upper and lower radiator lines.
7) Using line clamps, clamp off on each side of the lower radiator line (return line) where you will cut in to install the Y-Fitting (**PIC04**) (**PIC05**), once installed, secure with the hose clamps provided.
    - Make sure the 5/8" splice is pointing toward the radiator, you want the coolant to flow back into the lower radiator line in the same direction it is moving from the radiator.
8) Take a 6-foot piece of heater hose and run it from the highest heater core fitting (relative to gravity) to the return Y-Fitting. Secure with the hose clamps provided.
    - Use the hose coil benders provided to ease the heater hose turn when installing onto the 5/8" Y-Fitting splice (**PIC04**).
    - You will install the heater hose onto the heater core fittings in STEP 5.
9) Using clamps, clamp off on each side of the upper radiator line where you will cut in to install the Y-Fitting (**PIC04**) (**PIC05**), once installed, secure with the hose clamps provided.
    - Make sure the 5/8" splice is pointing toward the radiator, you want the coolant to flow from the upper (inlet) radiator line into the Y-Fitting splice in the same direction it is moving from the engine.
10) Take a 6-foot piece of heater hose and run it from the lower heater core fitting (relative to gravity) to the inlet Y-Fitting. Secure with the hose clamps provided.
    - Use the hose coil benders provided to ease the heater hose turn when installing onto the 5/8" Y-Fitting splice (**PIC04**).
    - You will install the heater hose onto the heater core fittings in STEP 5.
11) The heater hose will feed into the passenger seat area (heater box) by running through the passenger side center console panel you previously cut in STEP 1 (**PIC06**).

STEP 3: INSTALL LOUVERS AND RUN DUCT

12) Using a 2" hole-saw, install the passenger and driver side floor louvers.
    - You may have to slightly enlarge the hole using the edge of a blade to get the louver through comfortably.
    - Get in as tight to the frame as you can with the hole-saw (**PIC07**) (**PIC08**).
    - Before you drill the hole make sure you assess the angle at which you are going to drill and also the location of the hole on the inside of the panel. When you are comfortable with everything proceed to drilling the hole and inserting the louvers.
    - Install the duct barbs on the louvers adapters for maximum hold.
13) For the passenger side, cut a 30" piece of 2" duct and connect it to the louver adapter.
14) For the driver side, cut a 65" piece of 2" duct and connect it to the louver adapter.
15) To get the duct from the driver side to the passenger side (where the heater installs) use a 2-1/4" hole-saw to make an opening for the duct (**PIC09**) (**PIC10**) (**PIC11**).
16) Drill the (2) defrost holes using a 2" hole-saw and insert the two louvers (**PIC12**).
    - You may have to slightly enlarge the hole using the edge of a razor blade to get the louver through comfortably.
    - Make sure to measure your drill bit starting point symmetrical and centered on both sides. Use the cut-out templates to mark bit starting points for the hole-saw.
    - Install the duct barbs on the louver adapters for maximum hold.
17) Now cut 24" runs of 2" duct and attach them to the defrost louvers.
18) Take the 3-way duct Tee and attach both of the runs of duct to the Tee (**PIC13**).
19) To run the duct from the defrost louvers to the heater, start by cutting a 2-3/4" hole in the passenger side center console panel (**PIC14**).
20) Run the 3-feet of 2.5" duct from the 3-way duct Tee to the heater box (**PIC15**).
    - Wait to reinstall this panel until you hook up the 12v power and ground wire in STEP 5.

STEP 4: MOUNT THE HEATER

21) Set the heater box in position to be mounted (**PIC16**).
    - Heater core fittings will face the middle of machine.
22) Mark the mounting holes and drill ¼" pilot holes.
23) Secure with the nuts and bolts provided.
24) Attach the (2) runs of heater hose to the heater core. Refer back to STEP 2 if needed.
25) Attach the runs of duct to the heater box.

STEP 5: WIRING

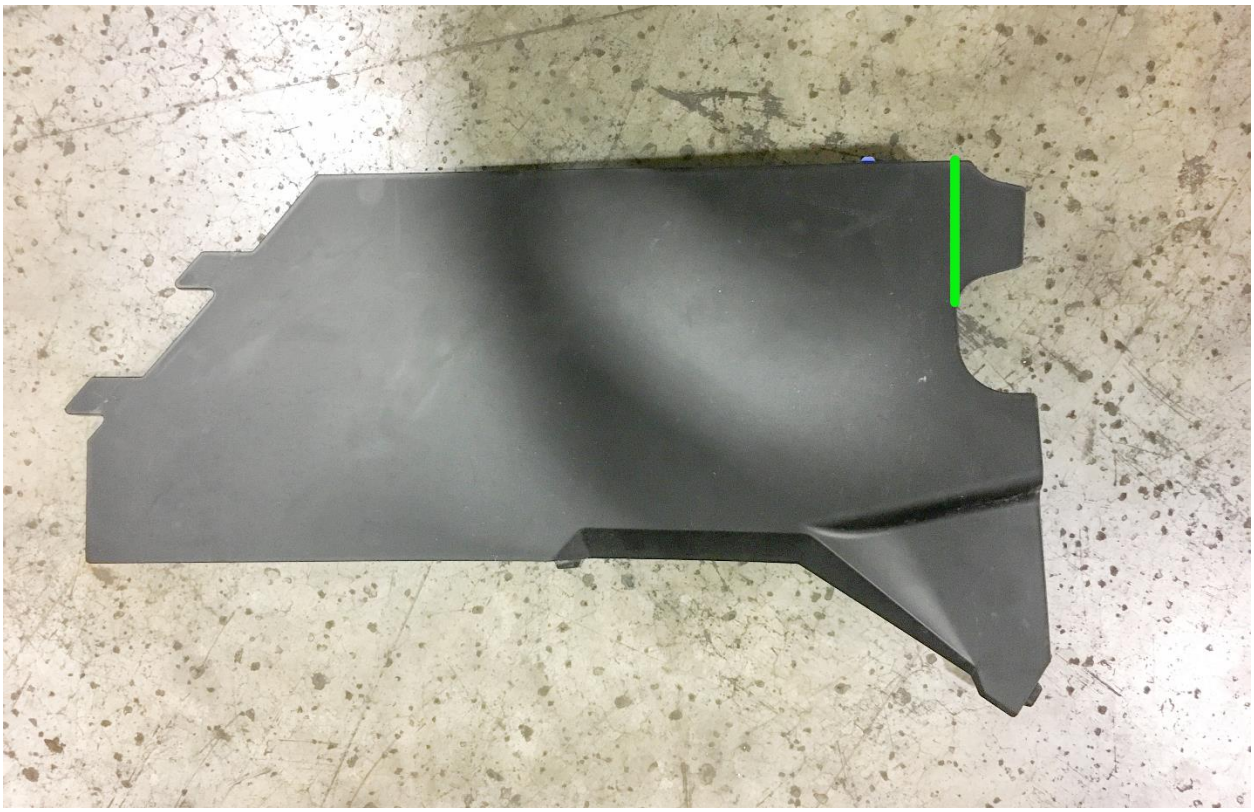
26) Install the rocker switch in one of the factory openings.
27) Using the wiring harness provided, plug the switch connecter into the back of the rocker switch.
28) Using the wiring harness provided, run the high/low wires (yellow/orange) to the resistor connected to the heater box.
    - The wires come pre-installed on the heater box resistor. You can unplug them to run the harness and plug them back in.

29) Using the wiring harness provided, run the power and ground wire (red/black) from the rocker switch to the cab (passenger side) and install onto the 12v accessory bar (**PIC17**).
30) The fan power wire comes attached to the heater box resistor, but you will need to ground the fan wire (**PIC18**).
    - Use the star washer provided to ground.

STEP 6: REFILL COOLANT

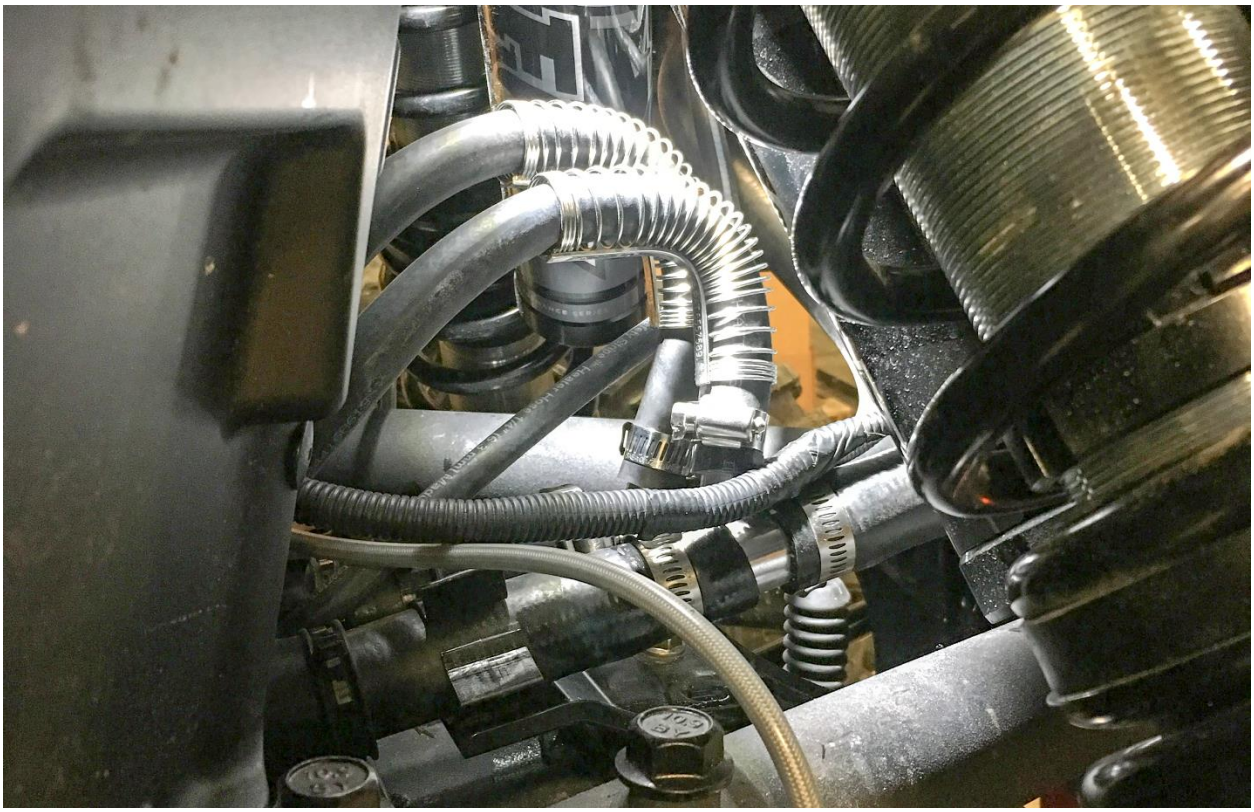
31) Refill the radiator and check for leaks (use overflow tank at the rear of the machine).
32) Start the machine and allow the engine to warm up and circulate the coolant.
33) Drive the vehicle and put it under a good load, this will help expel air from the system.
34) When done let the machine cool down, recheck the coolant level and add to the overflow tank, if needed.
35) Coolant will be consumed as the air is expelled from the system. It is possible you will need to run the machine and recheck fluid levels multiple times before working out all of the air.

PIC01

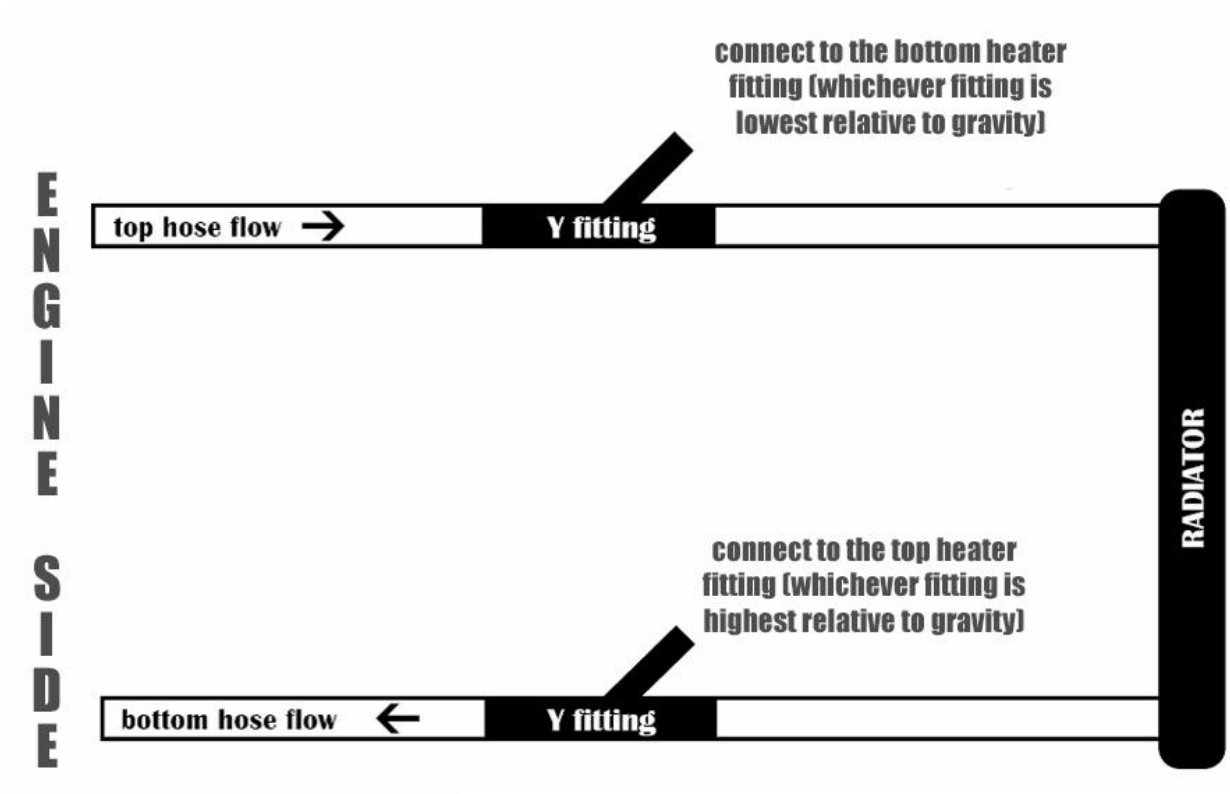


PIC02

PIC03



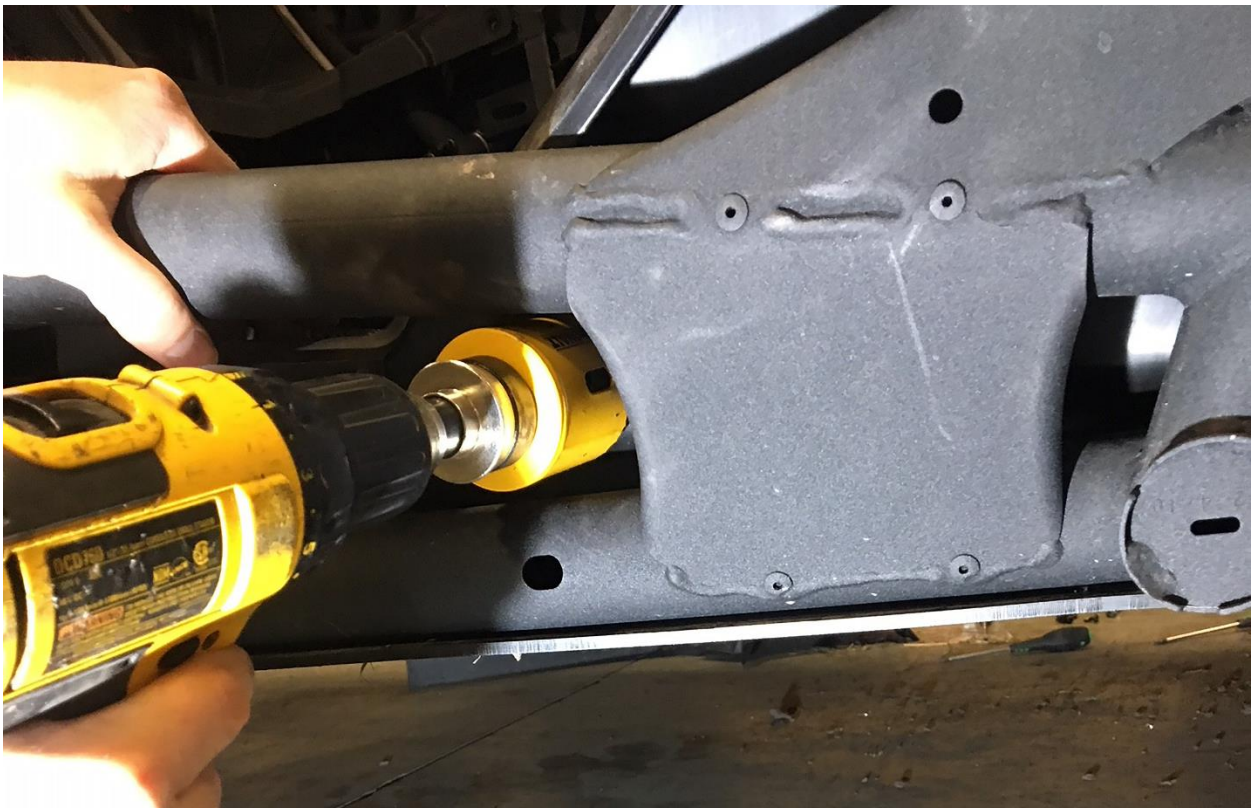
PIC04


connect to the bottom heater fitting (whichever fitting is lowest relative to gravity)
ENGINE SIDE
top hose flow
Y fitting
RADIATOR
connect to the top heater fitting (whichever fitting is highest relative to gravity)
bottom hose flow
Y fitting

PIC05

PIC06

PIC07

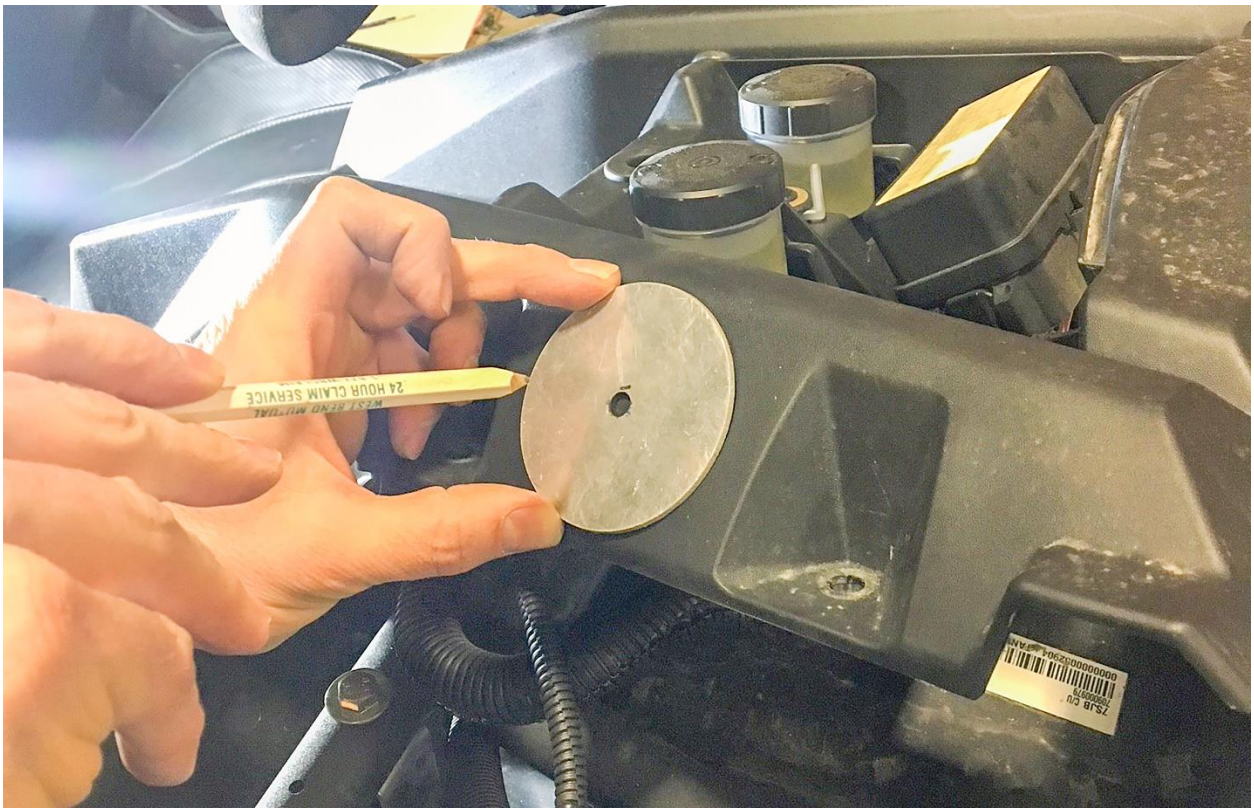


PIC08

PIC09

PIC10

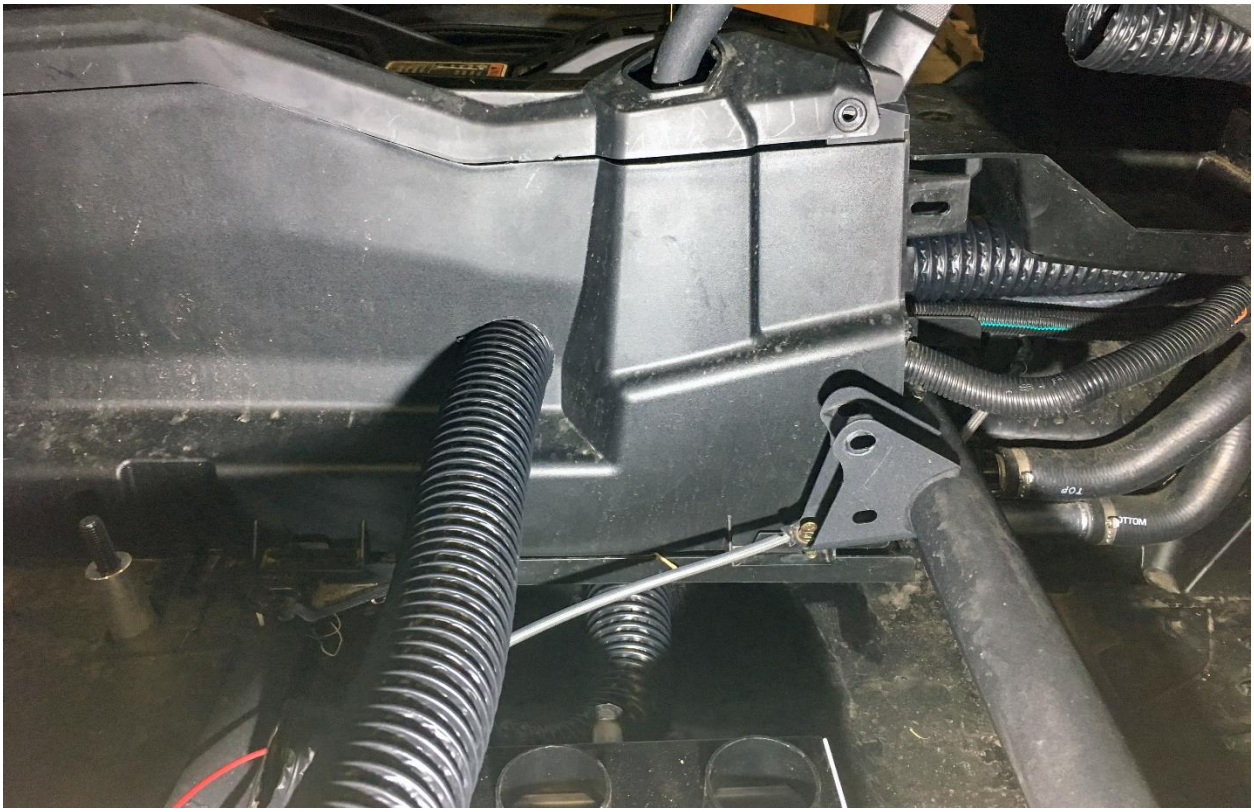
PIC11



PIC12

PIC13

PIC14



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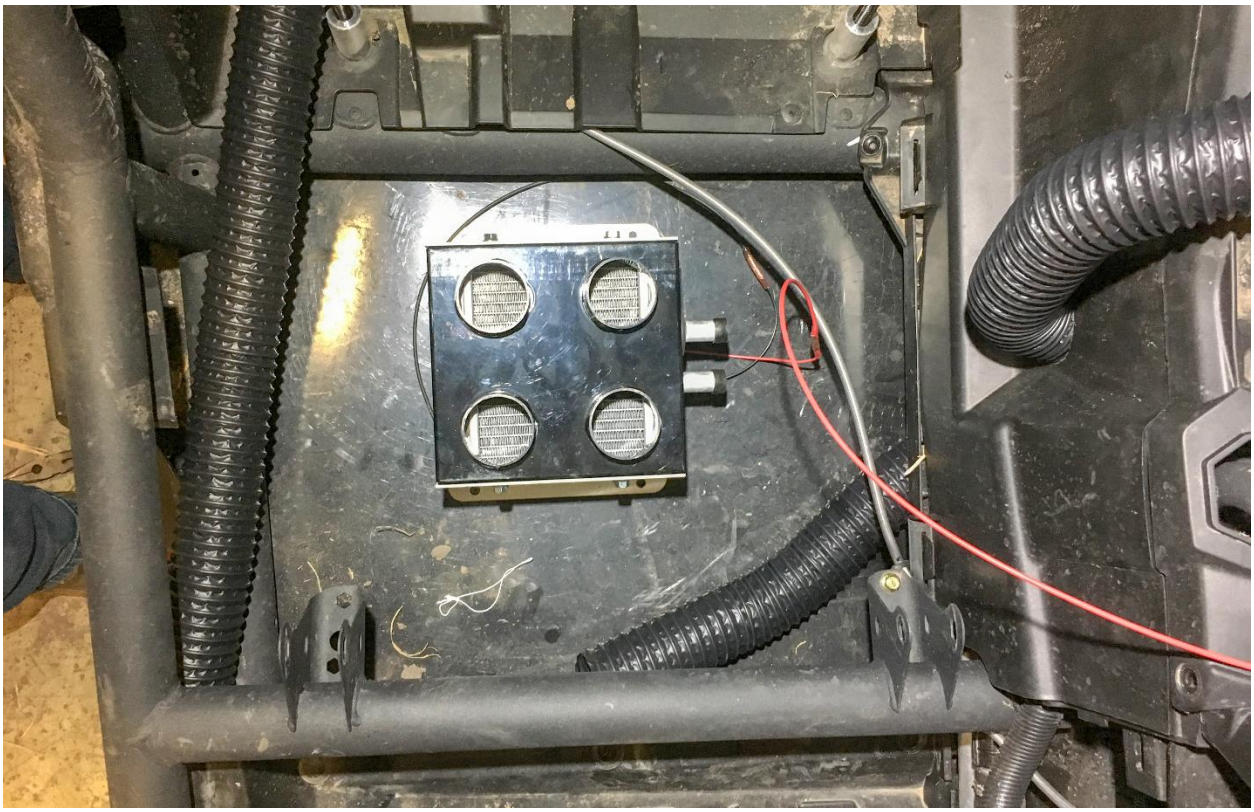
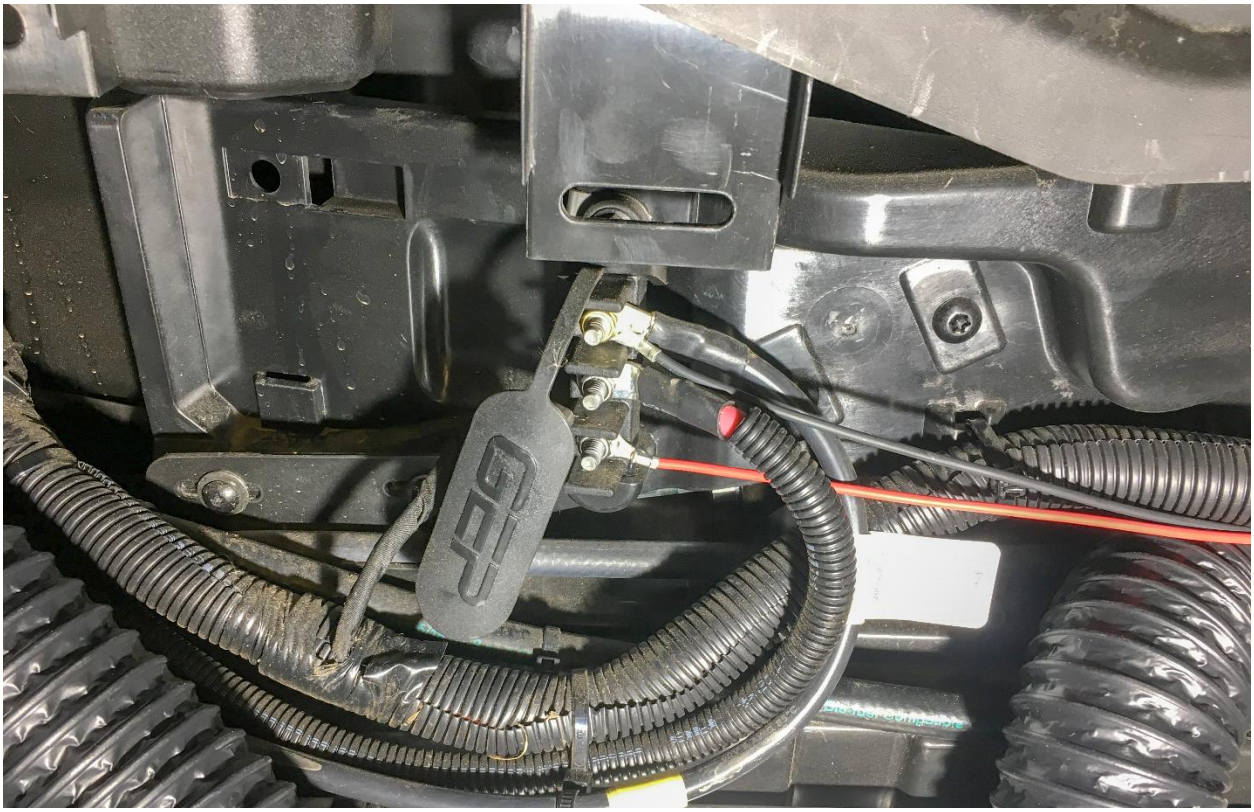
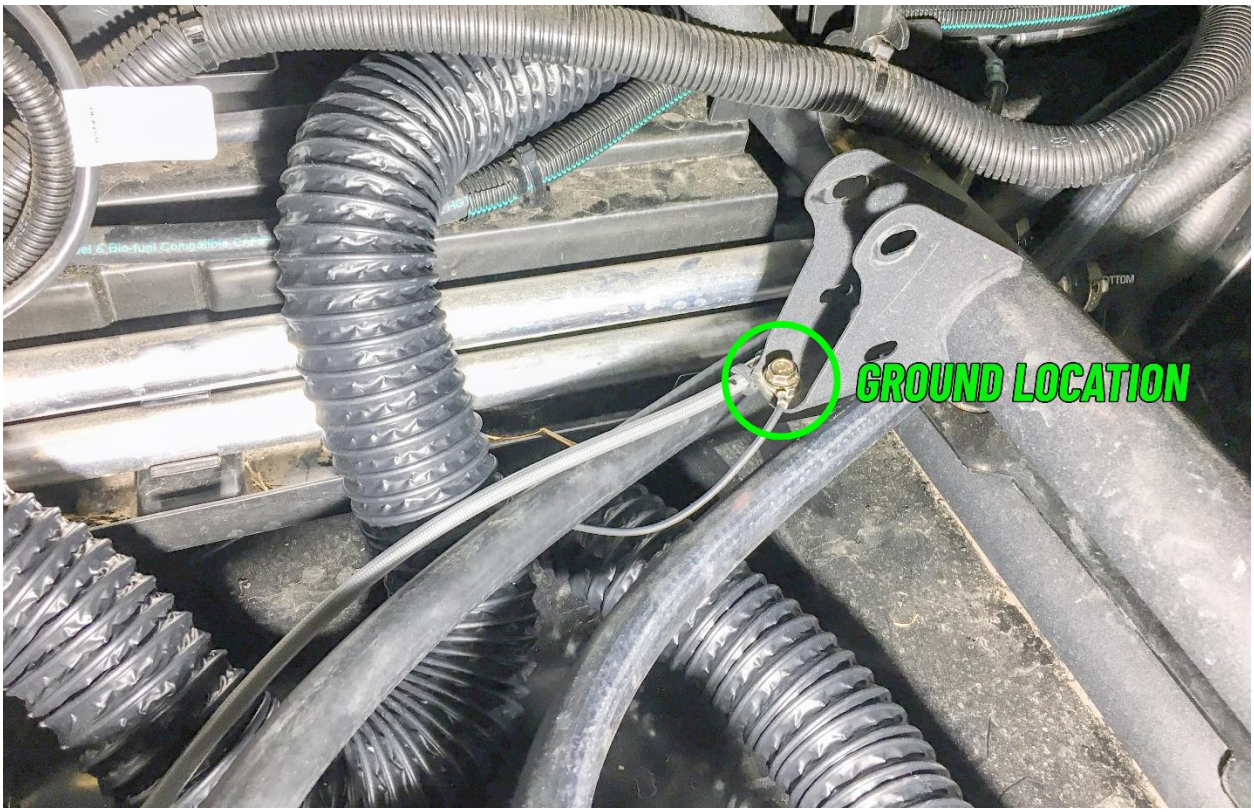


PIC16



PIC17



PIC18