

Can-Am Maverick X3 (2017 - Current)  
Direct-Fit Cab Heater with Defrost  
Under the Seat Installation

**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 the hose clamps, Y-Fittings, heater hose and PEX elbows, put together the following pieces (**PIC04**).
- 8) Install the shut-off valve on the hose that will be used on the inlet line. Install it so you are able to access it from the drive side wheel well (**PIC04**).
- 9) Using the Y-Fitting pieces made in the previous step, splice into the upper and lower radiator hoses and install the Y-Fittings (**PIC05**).
  - You will run the heater hoses into the machine through the large rubber grommet located on the firewall.
- 10) 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**).
  - Leave the heater hose under the seat, it will be installed on the heater core fittings in STEP 4.

**STEP 3: INSTALL LOUVERS AND RUN DUCT**

- 11) Using a 2-1/8" hole-saw, install the passenger and driver side floor louvers.
  - 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.
  - After the louvers are installed, use the duct barbs on the adapters.
- 12) For the passenger side, cut a 30" piece of 2" duct and connect it to the louver adapter.
- 13) For the driver side, cut a 65" piece of 2" duct and connect it to the louver adapter.

- 14) 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**).
- 15) Underneath the center dash panel there is a wiring panel that is connected. Remove the wiring panel from the center dash panel (**PIC12**) (**PIC13**).
- 16) Cut out extra room for the defrost ducting by removing portions of the plastic wiring panel. See **PIC14** for how the passenger side cut-out needs to look and **PIC15** for how the driver side cut-out needs to look.
- 17) With the top dash panel loose, cut (2) holes for the driver and passenger side defrost vents and install the vents (**PIC16**) (**PIC17**).
  - Use the cut-out templates and tape them on the vent locations, then drill a 1/8" pilot hole. Use this pilot hole to start your hole-saw bit.
  - Use a 2-1/8" hole-saw to make the cuts for the vents.
  - Have someone hold the center dash panel for stability while you make the cuts with the hole-saw and always hold the drill firm with two hands.
- 18) Cut (2) 24" runs of duct and connect them to the backside of the vents using the zip-ties provided.
- 19) Remount the plastic wiring panel to the center dash panel.
- 20) Feed the duct down to the center console area and connect both runs of duct to the 3-way Duct Tee (**PIC18**) (**PIC19**).
- 21) 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 (**PIC20**).
- 22) Run the 2.5" duct from the heater box to the 3-way duct Tee (**PIC21**).
  - Wait to reinstall this panel until you hook up the 12v power and ground wire in STEP 5.

#### **STEP 4: MOUNT THE HEATER**

- 23) Set the heater box in position to be mounted (**PIC22**).
  - Heater core fittings will face the middle of machine.
- 24) Mark the mounting holes and drill 1/4" pilot holes.
- 25) Secure with the nuts and bolts provided.
- 26) Attach the (2) runs of heater hose to the heater core.
- 27) Attach the runs of duct to the heater box.

#### **STEP 5: WIRING**

- 28) Install the rocker switch in one of the factory openings.
- 29) Using the wiring harness provided, plug the switch connector into the back of the rocker switch.
- 30) 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.
- 31) 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 (**PIC23**).

- 32) The fan power wire comes attached to the heater box resistor, but you will need to ground the fan wire (**PIC24**).
- If needed, scuff the powder coated framing to assure proper ground contact.

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

- 33) Refill the radiator and check for leaks (use overflow tank at the rear of the machine).
- 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 add to the overflow tank, if needed.
- 37) 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



PIC05 – DRIVER SIDE WHEEL WELL



PIC06



PIC07



PIC08



PIC09

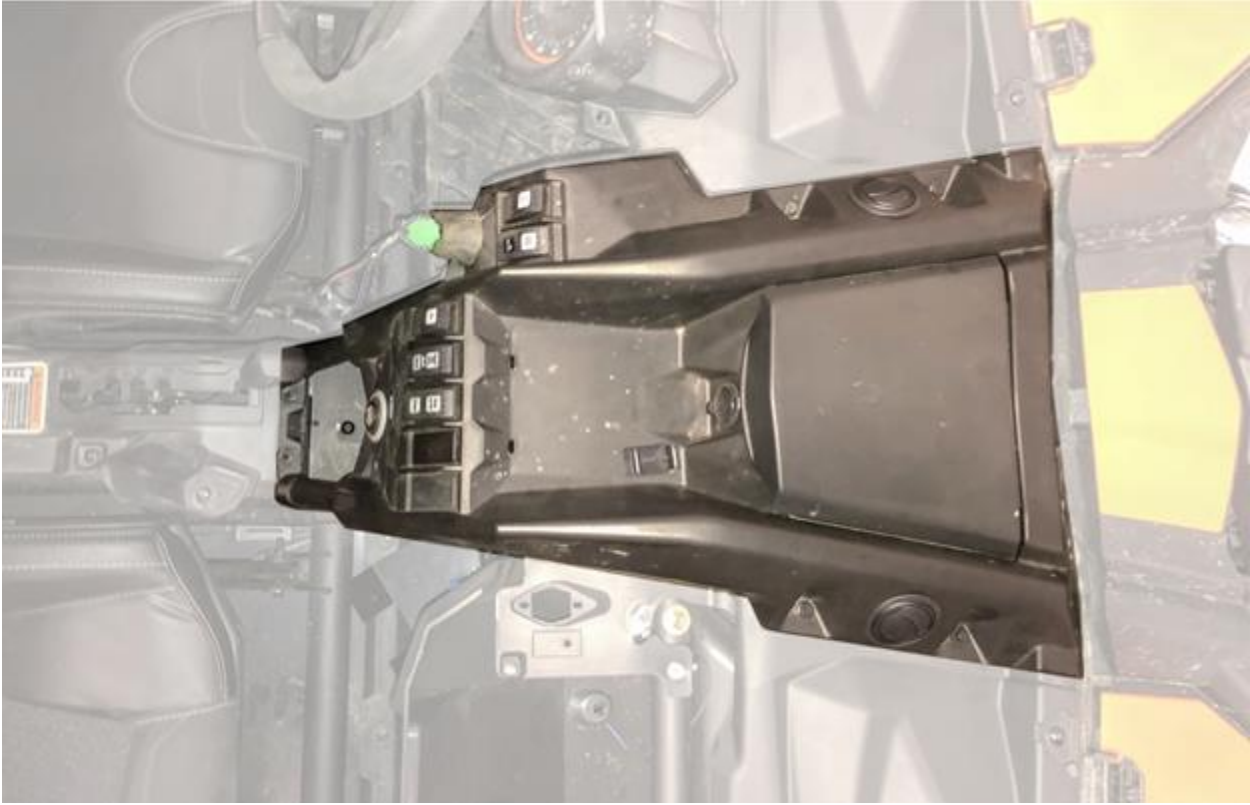


PIC10





PIC11



PIC12



PIC13



PIC14



PIC15



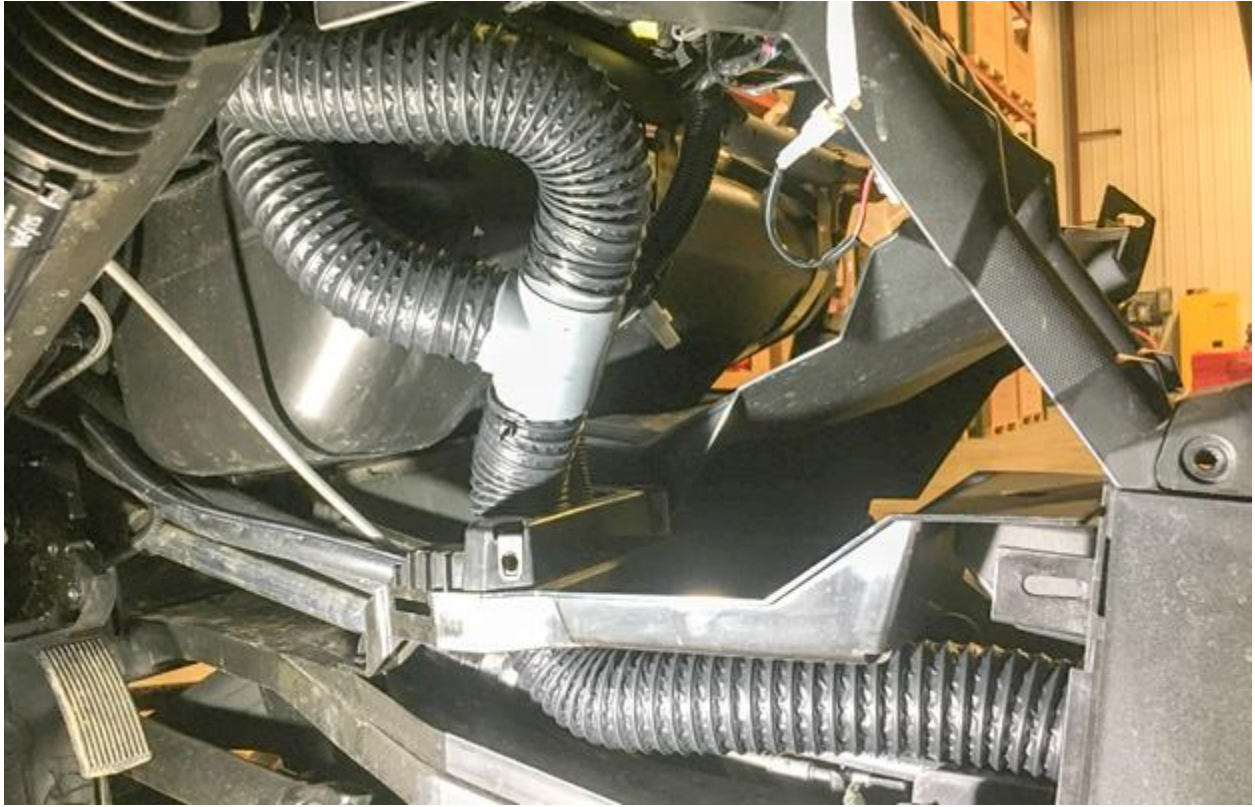
PIC16



PIC17



PIC18



PIC19



PIC20



PIC21



PIC22



PIC23



PIC24

