

## Kawasaki Mule MX (2018 – Current) Direct-Fit Cab Heater with Defrost

### STEP 1: PRE-INSTALLATION

- 1) Loosen the center dash panel (**PIC01**).
  - There are 8 plastic rivets to remove, push in on the middle to loosen the rivet.
- 2) Reach behind the center panel and remove the 2 plastic rivets (**PIC02**) (**PIC03**).
- 3) Loosen the main hood panel and shim it up the roll cage (ROPS) bars.
  - Tie off towels on the ROPS bars underneath the hood panel to hold it up.
- 4) Cut a section of the rubber flap out, this will need to come out to make room for the heater (**PIC04**).

### STEP 2: WIRING

- 5) Install the rocker switch in one of the factory openings.
  - Make your cut smaller than the factor embossment, which is slightly larger than a standard rocker switch. See **PIC05** for example cut lines.
- 6) Using the wiring harness, plug the switch connector into the back of the rocker switch.
- 7) Using the wiring harness, run the power wires (red/black) to the passenger side of the machine and install onto the accessory wires (**PIC06**).
- 8) You will plug the white connector to the heater blower in STEP 3.

### STEP 3: MOUNTING THE HEATER

- 9) Using the self-tapping screws provided, mount the cab side heater bracket on the square framing bar in between the two wire holders, see green arrows (**PIC07**).
  - Use a 1/8" drill bit to start a pilot hole for the self-tapping screw.
- 10) Using the self-tapping screws provided, mount the front side heater bracket on the round framing bar (**PIC08**).
  - Use a 1/8" drill bit to start a pilot hole for the self-tapping screw. This will go in at a slight downward angle, use the bracket hole to guide the drill bit.
- 11) Plug the white connector from the wiring harness to the blower motor on the heater.
- 12) Test the blower.

### STEP 5: SPLICE INTO THE COOLANT LINES

- 13) Using clamps, clamp off on each side of the lower radiator line where you will cut in to install the 1" Y-Fitting (**PIC09**), 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.
- 14) Cut a 3-foot piece of heater hose and run it from either heater core fitting to the Y-Fitting splice, then secure with the hose clamps provided.
- 15) Locate the oil cooler line from the rear passenger side wheel well (**PIC10**).
- 16) Using clamps, pinch off the oil cooler line on each side of where you will make the cut.

- 17) Cut the oil cooler line and install the T-Fitting (**PIC10**) using the hose clamps provided.
  - Make sure the Yellow handle is facing UP. When the handle is parallel to the oil cooler hose the heater will be OFF. When the handle is pointing to the heater hose the heater will be ON.
- 18) Run the remaining hose from the heater core fitting to the T-Fitting, trim as needed.
  - Remove the center floor panel and use this as access to run the heater hose through (**PIC11**).
  - There are extra zip ties included to tie the hose away from the drive shaft

## **STEP 6: INSTALL LOUVERS AND RUN DUCT**

- 19) Use the cut-out templates provided and tape them on the defrost locations (**PIC12**).
  - We centered the templates horizontally, then came down off the top edge so there was the same spacing (off the edge) on the left, right and top of the louver.
- 20) Using a 2-1/2" hole-saw drill out the holes for the defrost louvers.
- 21) The louvers are 2-piece louvers, screw off the adapter from the face.
- 22) Cut 31" (driver defrost) and 21" (passenger defrost) pieces of duct for each defrost louver and attach them to the louver adapters.
  - Use the duct clips on the adapters, then secure with the zip ties provided.
- 23) Set the louver face in the hole and screw on the adapter from the back side (**PIC13**).
- 24) Now run the other ends to the heater box adapters and secure with the zip ties provided (**PIC16**).
- 25) Use the cut-out templates and tape them on the defrost locations (**PIC14**) (**PIC15**).
- 26) Using a 2.5" hole-saw drill out the holes for the floor/body louvers (**PIC14**) (**PIC15**).
- 27) The louvers are 2-piece louvers, screw off the adapter from the face.
- 28) Cut 43" (driver floor) and 25" (passenger body) pieces of duct for each defrost louver and attach them to the louver adapters.
  - Make sure to use the duct clips on the adapters for extra hold, then secure with the zip ties provided.
- 29) Set the louver face in the hole and screw on the adapter from the back (**PIC14**) (**PIC15**).
- 30) Now run the other ends to the heater box adapters and secure with the zip ties provided (**PIC16**).
  - Use the extra zip ties provided to tie down the duct.
- 31) When re-installing all the machine panels that were removed in STEP 1, make sure to remember to install the plastic rivets behind the dash on each side (**PIC02**).

## **STEP 8: REFILL COOLANT**

- 32) Refill the radiator and check for leaks.
- 33) Start the machine and allow the engine to warm up and circulate the coolant.
- 34) Drive the vehicle and put it under a good load, this will help expel air from the system.
- 35) When done let the machine cool down, recheck the coolant level and refill if needed.
- 36) 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.



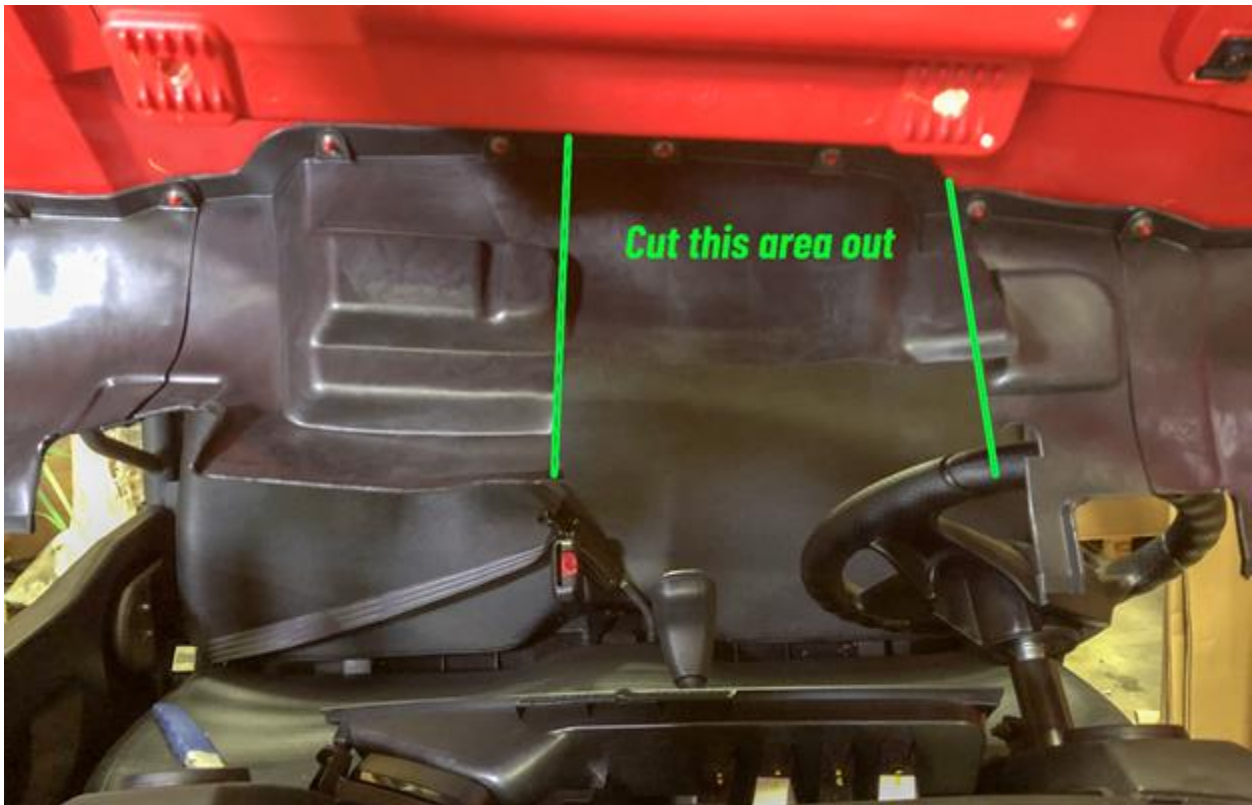
PIC01



PIC02

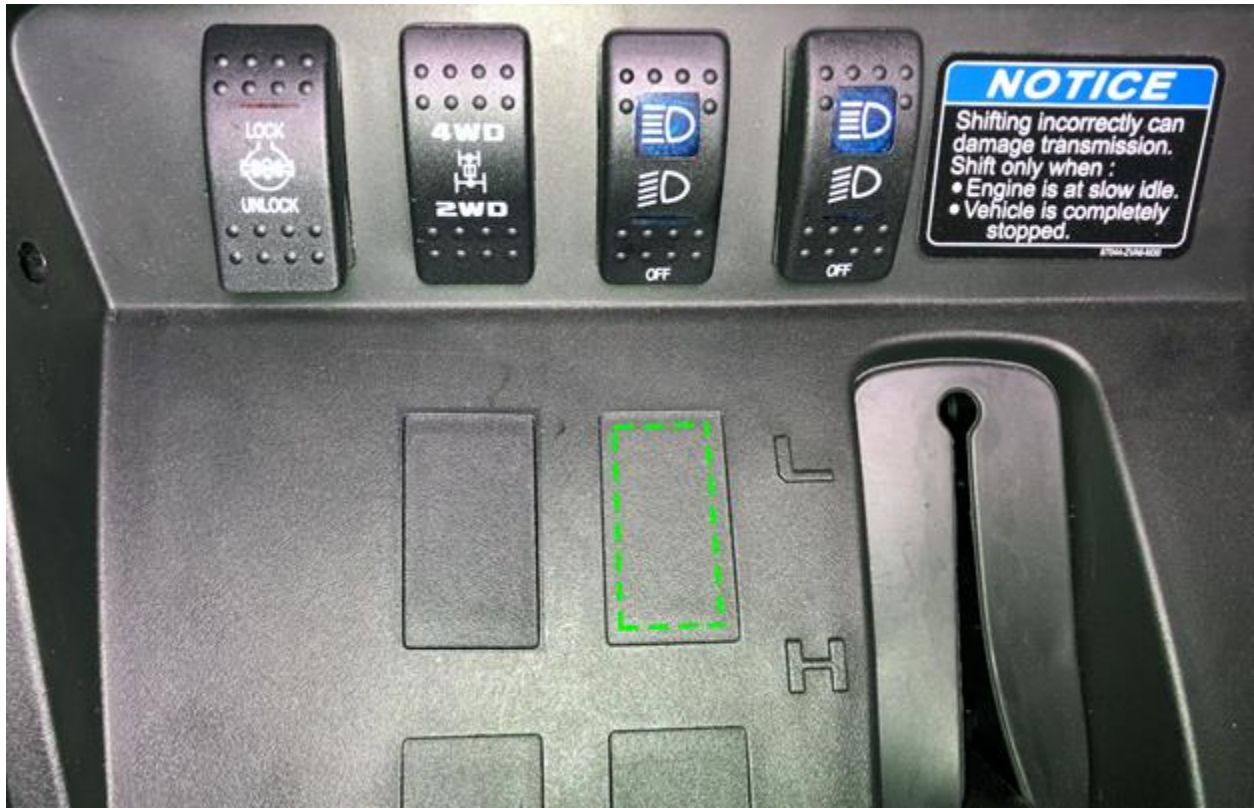


PIC03



PIC04 – hood panel shimmed up ROPS bars in this picture



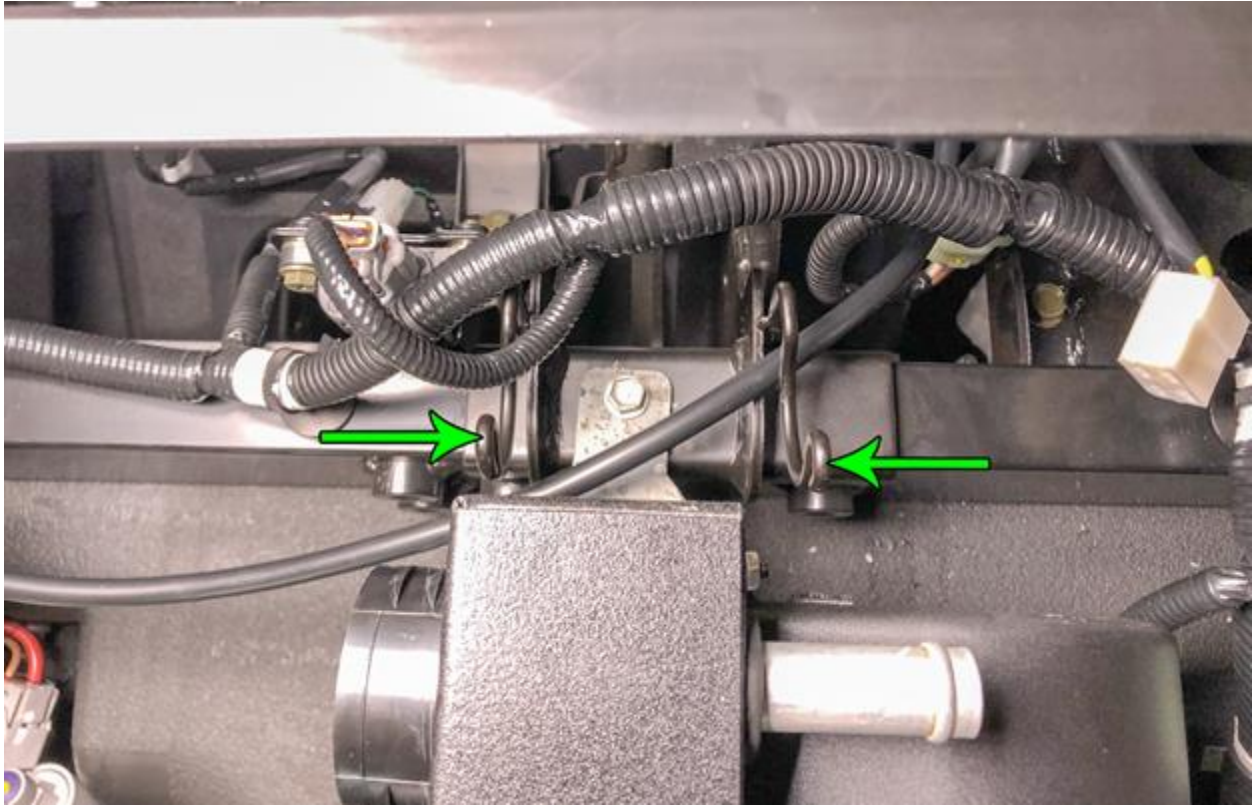


PIC05



PIC06





PIC07

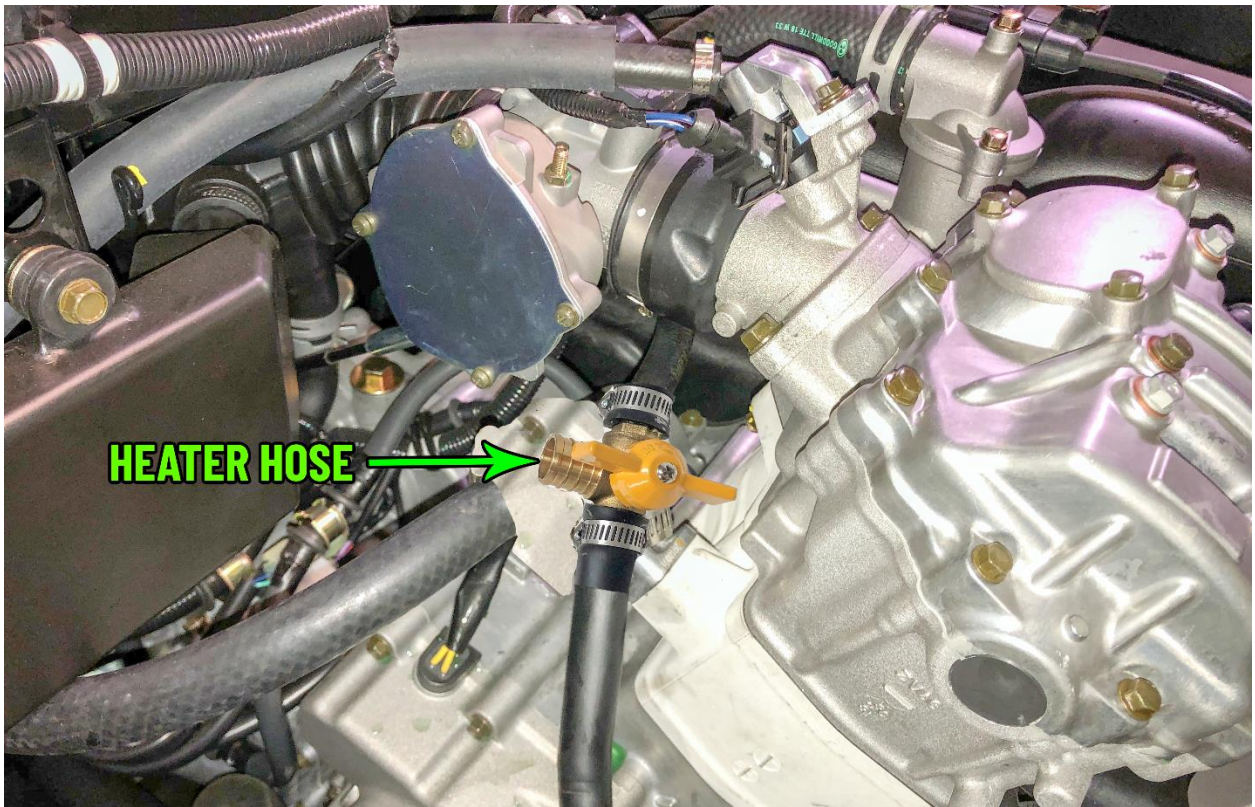


PIC08





PIC09



PIC10





PIC11



PIC12





PIC13



PIC14



PIC15



PIC16



