

## Can-Am Commander (2009 - Current) Direct-Fit Cab Heater with Defrost

### STEP 1: PRE-INSTALLATION

- 1) Remove the glove box.
- 2) Loosen the center dash panel so you can work behind it (**PIC01**).
- 3) Remove the passenger side seat (this pops right out after you push on lever).
- 4) Remove the (3) passenger side cab panels as shown in **PIC02** and **PIC03**.
- 5) Cut out the cut-out template and tape to the passenger side fire wall (**PIC04**).
  - Fold the cut-out template on the line and put that in the firewall corner.
- 6) Cut out the square opening using a utility knife (**PIC05**). Be sure not to plunge too far through the firewall, you do not want to cut any components behind the firewall.
- 7) Drill out the grommet holes using a 1-3/8" hole saw and install the grommets (**PIC05**).

### STEP 2: INSTALL LOUVERS

- 8) Use the circle cut-out templates provided and tape them in the locations you will to place your defrost louvers. Measure to make sure the templates are symmetrical and level.
- 9) Using a 2.5" hole-saw drill out the holes for the defrost louvers (**PIC06**).
- 10) Screw off the face of the louvers from the adapters (these are 2-piece louvers) and place them in the hole, screw on the adapters from the backside (**PIC07**).
- 11) Put the duct clips on the louver adapters for max hold.
- 12) Use the cut-out templates provided and tape them in the locations you will to place your floor louvers (**PIC08**) (**PIC09**).
- 13) For the driver side louver (**PIC08**) you will want to reach around to the backside of the firewall to feel for objects that will interfere with the louver. This is a snug fit, so you will want to be as accurate as possible. Mark where you will start your hole-saw bit.
- 14) For the passenger side louver (**PIC09**) you will also want to reach around the backside of the panel; however, there is a lot more room to place this floor louver. Place the template in the approx. location shown in **PIC09** and mark where you will start your hole-saw bit.
- 15) Using a 2.5" hole-saw drill out the holes for the floor louvers.
- 16) Screw off the face of the louvers from the adapters (these are 2-piece louvers) and place them in the hole, screw on the adapters from the backside.
- 17) Put the duct clips on the louver adapters for max hold.

### STEP 3: MOUNT THE HEATER AND RUN DUCT

- 18) Cut (4) runs of 2.5-foot ducting and connect them to the adapters on the heater box using the zip ties provided.
- 19) Cut the provided heater hose in half and connect each piece to the core fittings on the heater box, secure with the hose clamps provided.
- 20) Set the heater in place by hand and feed the heater hose through the rubber grommets and the (4) runs of duct through the square opening (**PIC10**).
- 21) Once in place, use a 3/16" drill bit to drill pilot holes for the (4) rivets.
- 22) Using a rivet gun mount the heater brackets to the firewall (**PIC11**).

- 23) Connect the (4) runs of duct to the backsides of the louvers and secure with the zip ties provided.

#### **STEP 4: SPLICE INTO THE COOLANT LINES**

- 24) Using clamps, clamp off on each side of the lower radiator line (return line) where you will cut in to install the Y-Fitting (**PIC12**), once installed, secure with the hose clamps provided.
- Access the cut location on the passenger side, close to the floor (**PIC12**).
  - Make sure the 5/8" splice is pointing toward the radiator, the coolant should flow back to the lower radiator line in the same direction it is moving from the radiator.
- 25) Run the heater hose from the highest heater core fitting (relative to gravity) to the return Y-Fitting. Secure with the hose clamps provided.
- 26) Using clamps, clamp off on each side of the upper radiator line where you will cut in to install the Y-Fitting (**PIC13**), once installed, secure with the hose clamps provided.
- Access the cut location behind the center dash panel (**PIC13**).
  - You will need to cut back some of the plastic hose protector.
  - Make sure the 5/8" splice is pointing toward the radiator, the coolant should flow to the heater in the same direction it is moving from the engine (to the radiator).
- 27) Run the heater hose from the lower heater core fitting (relative to gravity) to the inlet Y-Fitting. Secure with the hose clamps provided.
- 28) A shut-off valve is included in the kit, install this on either heater hose line to shut off flow through the heater core during warm months. Passenger side front wheel well is the desired location for access.

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

- 29) Install the rocker switch in one of the factory openings.
- 30) Using the wiring harness, plug the switch connector into the back of the rocker switch.
- 31) Using the wiring harness, run the power wires (red/black) to the battery (**PIC14**). The battery is located on the driver side underneath the dash.
- The red wire needs to be connected to the positive side of the battery.
  - The black wire needs to be grounded.
- 32) Using the wiring harness, plug the white connector onto the heater blower connector.
- 33) Test the blower, then re-install on panels removed in STEP 1.

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

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



PIC06



PIC07



PIC08



PIC09



PIC10



PIC11

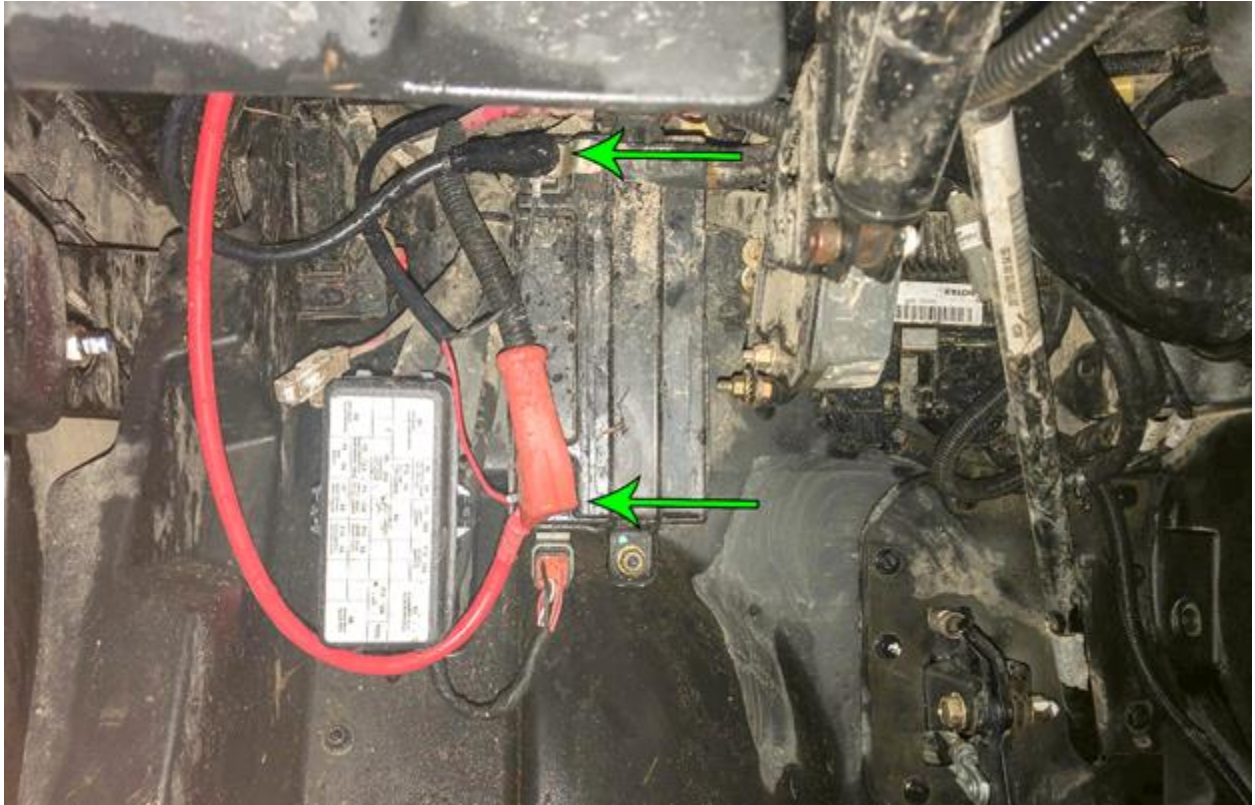


PIC12

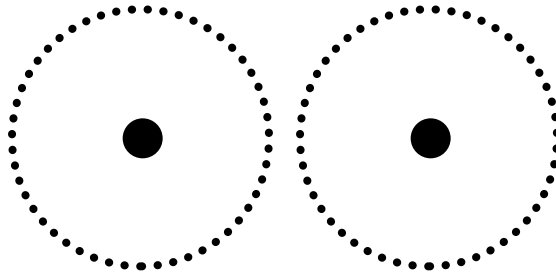




PIC13



PIC14



**BEND  
HERE**

