

## CAN AM 2009-19 COMMANDER CAB HEATER

Thank you for choosing Rough Country for all your UTV needs.

Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.

If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product. Check all fasteners for proper torque. Check to ensure for adequate clearance between all components. Periodically check all hardware for tightness.



- TOOLS NEEDED:**
- 1 1/2" Hole Saw
  - 2" Hole Saw
  - Drill Motor
  - Tape Measure
  - Various Sockets/Wrenches
  - Ratchet
  - 3/16" Drill
  - 1/4" Drill
  - Knife or Scissors
  - Pliers
  - Screwdrivers
  - Manufacturer Approved Engine Coolant
  - Clamping Pliers

**Torque Specs:**

Size	Grade 5	Grade 8	Size	Class 8.8	Class 10.9
5/16"	15 ft/lbs	20ft/lbs	6MM	5ft/lbs	9ft/lbs
3/8"	30 ft/lbs	35ft/lbs	8MM	18ft/lbs	23ft/lbs
7/16"	45 ft/lbs	60ft/lbs	10MM	32ft/lbs	45ft/lbs
1/2"	65 ft/lbs	90ft/lbs	12MM	55ft/lbs	75ft/lbs
9/16"	95 ft/lbs	130ft/lbs	14MM	85ft/lbs	120ft/lbs
5/8"	135ft/lbs	175ft/lbs	16MM	130ft/lbs	165ft/lbs
3/4"	185ft/lbs	280ft/lbs	18MM	170ft/lbs	240ft/lbs

1. Remove the hood
2. Remove the center doghouse panel. **See Photo 1.**
3. Install the rocker switch in one of the factory openings. **See Photo 2.**



Photo 1



Photo 2

4. Using the wiring harness provided, plug the switch connector into the back of the rocker switch.
5. Using the wiring harness provided, run the power wires (red/black) to the battery. The red wire needs to be connected to the positive side of the battery. **See Photo 3.** The black wire needs to be grounded.
6. Leave the white connector hang, this will be connected to the blower later in the install.
7. Use the 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.
8. Using a 2.5" hole-saw drill out the holes for the defrost louvers. **See Photo 4.**

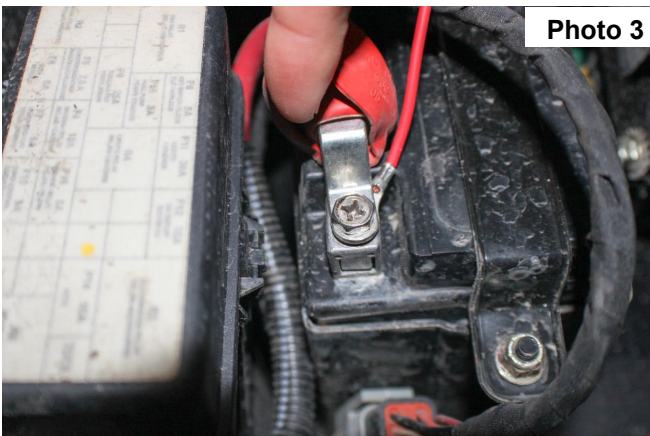


Photo 3



Photo 4

9. Screw off the face of the louvers from the adapters (these are 2-piece louvers).
10. Put the duct clips on the louver adapters for max hold.
11. Cut (2) lengths of duct at 48" (Driver side) and 36" (Passenger side) and attach them to the defrost louver adapters, secure with the zip ties provided.
12. Use the cut-out templates provided and tape them in the locations you will to place your floor louvers. Measure to make sure the templates are symmetrical and level.
13. Using a 2.5" hole-saw drill out the holes for the floor louvers. **See Photo 5.**



Photo 5



14. Screw off the face of the louvers from the adapters (these are 2-piece louvers).
15. Put the duct clips on the louver adapters for max hold.
16. Cut (2) lengths of duct at 48" (Driver side) and 36" (Passenger side) and attach them to the defrost louver adapters, secure with the zip ties provided.
17. Leave the runs of duct for now, you will attach them to the heater box in STEP 4.
18. Set the heater in place by hand underneath the passenger side and mark where the heater core fittings will exit the firewall. **See Photo 6.** It is best to mount the heater as far forward as possible.
19. On the heater core fitting marks, use a 1-3/8" hole saw to make holes in these spots and install the rubber grommets. **See Photo 7.**
20. Again, set the heater in place by hand underneath the passenger side and mark the (5) mounting spots on the mounting brackets. **See Photo 6.**

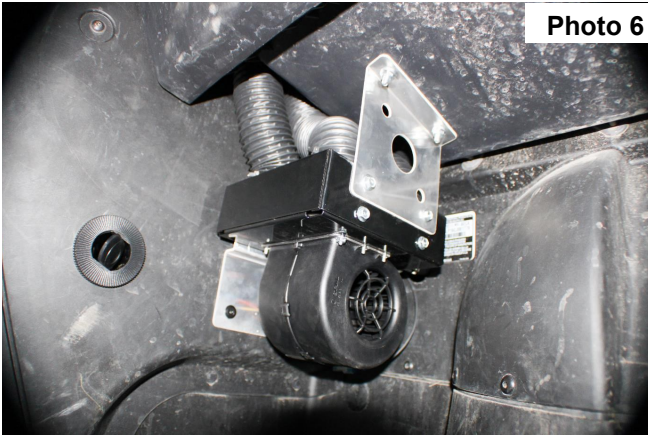


Photo 6



Photo 7

21. For the lower mounting bracket, use a 3/16" drill bit to drill pilot holes for the (3) rivets.
22. For the upper mounting bracket, use a 1/4" drill bit to drill pilot holes for the (2) bolts that will going into the glove box.
23. Remove the lower mounting bracket from the heater box and mount it on the (3) pilot holes using the black rivets provided. **See Photo 8.**
24. Cut the heater hose into (2) equal lengths and run through the grommets and install onto the heater box fittings using the hose clamps provided.
25. Set the heater back in place and use a 3/8 wrench to install the heater box back onto the bracket.
26. Use the nut and bolts provided to mount the upper mounting bracket.
27. Feed the runs of duct through the opening between the center console and the glove box. You may wish to cut-out some of the center console to create more room to feed the duct.
28. Using clamps, clamp off on each side of the lower radiator line (return line) where you will cut in to install the Y-Fitting **See Photo 9**, 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. **See Photo 10.**

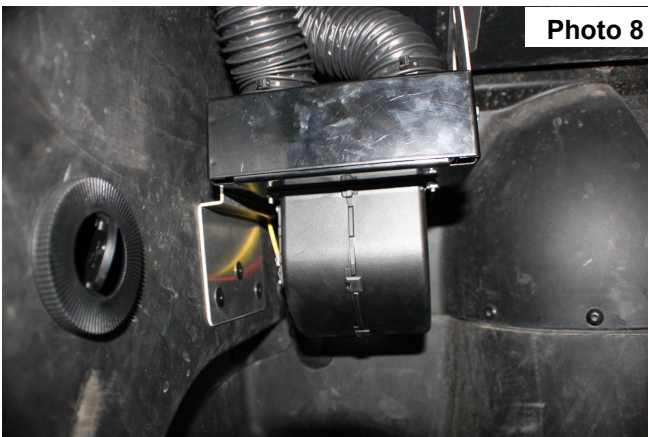


Photo 8

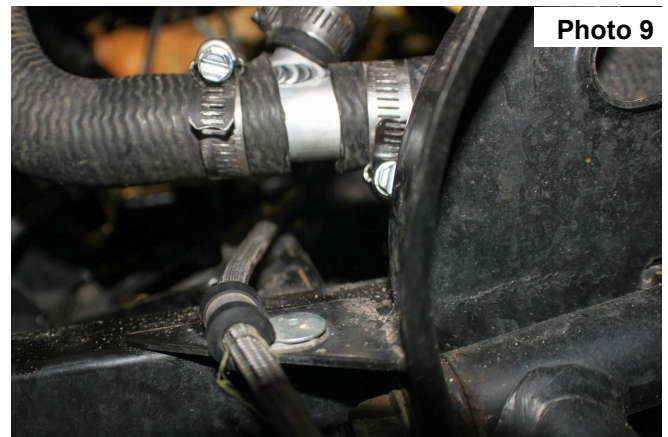
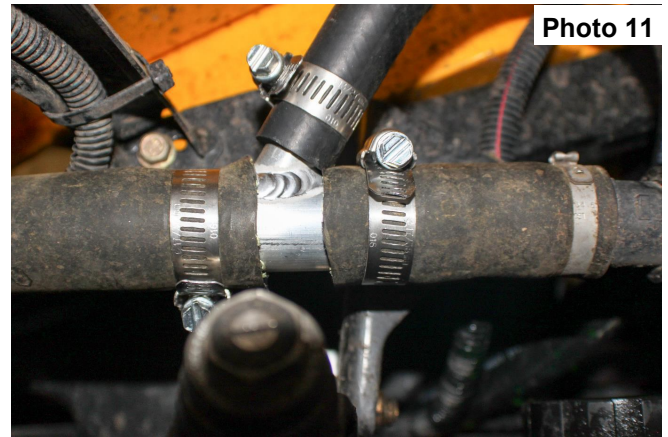
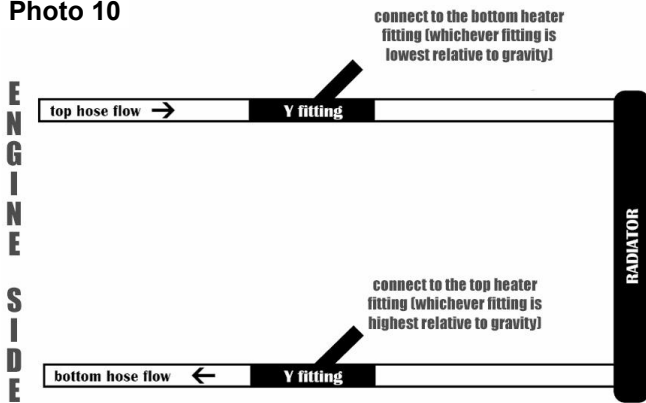


Photo 9

29. Run the heater hose from the highest heater core fitting (relative to gravity) to the return Y-Fitting. Secure with the hose clamps provided.
30. Using clamps, clamp off on each side of the upper radiator line where you will cut in to install the Y-Fitting **See Photo 11**, 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. **See Photo 10.**

**Photo 10**



**Photo 11**

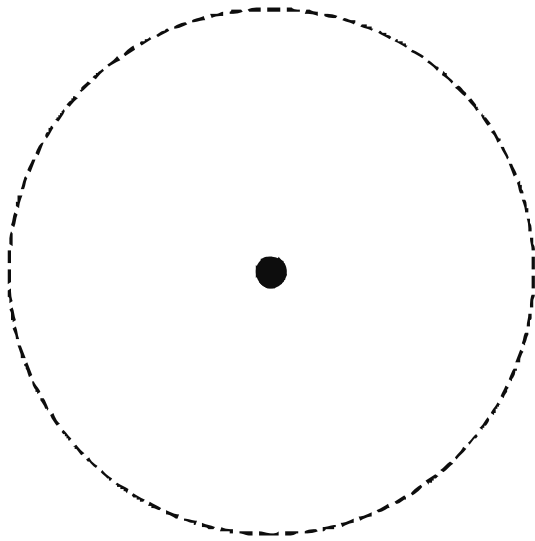
31. Run the heater hose from the lower heater core fitting (relative to gravity) to the inlet Y-Fitting. Secure with the hose clamps provided.
32. Refill the radiator and check for leaks.
33. Start the machine and allow the engine to warm up and circulate the coolant.
34. Drive the vehicle and put it 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 likely you will need to run the machine and recheck fluid levels multiple times before working out all of the air.

**Thank you for choosing Rough Country for all your UTV needs.**

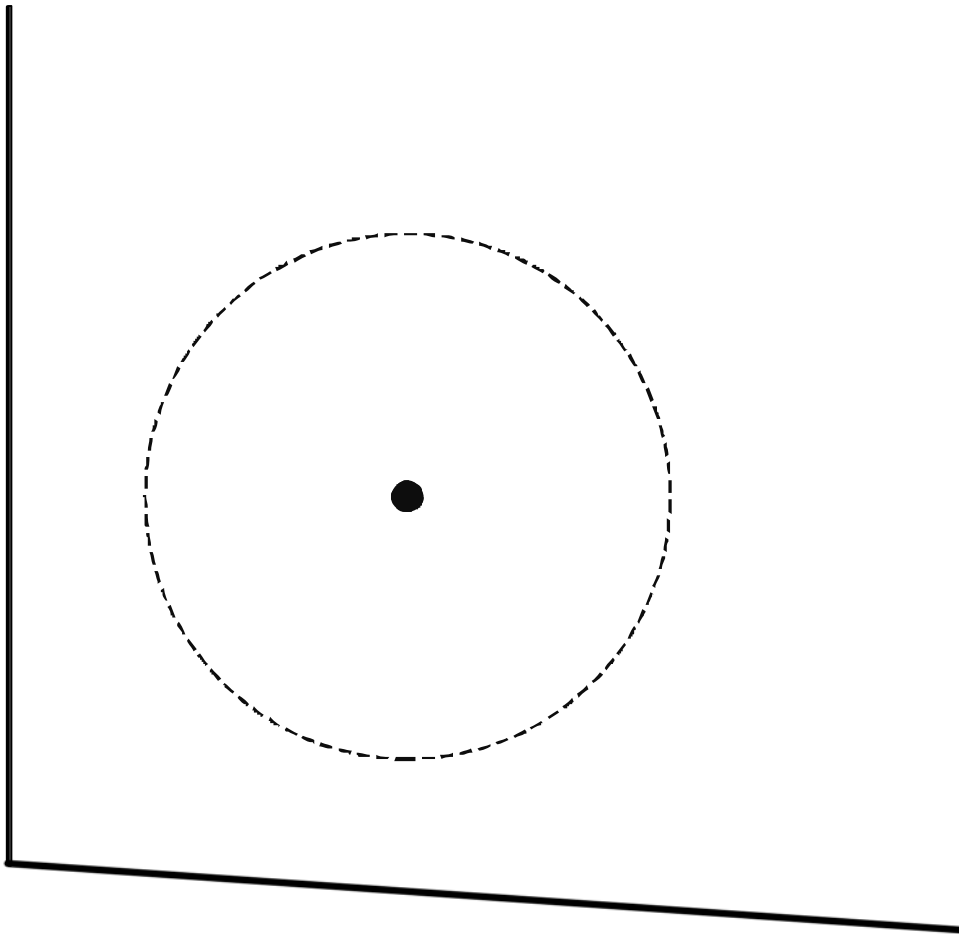
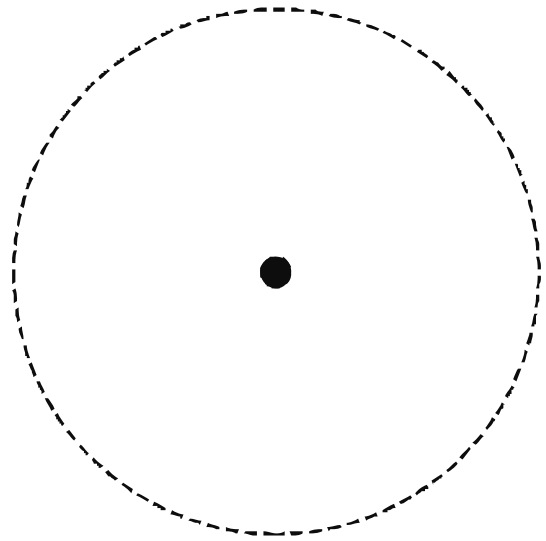
By purchasing any item sold by Rough Country, LLC, the buyer expressly warrants that he/she is in compliance with all applicable, State, and Local laws and regulations regarding the purchase, ownership, and use of the item. It shall be the buyers responsibility to comply with all Federal, State and Local laws governing the sales of any items listed, illustrated or sold. The buyer expressly agrees to indemnify and hold harmless Rough Country, LLC for all claims resulting directly or indirectly from the purchase, ownership, or use of the items.







M  
-  
I  
D  
D  
L  
E



**Cut Out Templates are size of the louver face (NOT hole-saw cut-out). Use this to mark the spot to start the hole-saw bit.**