

## POLARIS 2013-19 RANGER 900XP/ 2017 1000XP 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:**  
 1/8" Drill  
 Screwdriver  
 3/8" Socket/Wrench  
 Ratchet  
 2 1/16" Hole Saw  
 1 3/8" Hole Saw  
 Drill Motor  
 1/2" Drill  
 Screwdrivers  
 Tape Measure  
 Marker  
 Knife or Scissors  
 Pliers  
 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 glove box by removing the (4) small screws at each corner of the glove box, and removing the (1) large bolt located at back of the glove box.
3. Remove the top portion of the dash. **See Photo 1. There are top, middle and bottom portions to the full dash panel. The middle portion stays in place during the install.**
4. Remove the bottom portion of the dash. **See Photo 1.** You will install floor vents on this panel later in the installation.
5. Remove the middle floor cover. **See Photo 1.** You will use this floor access to run heater hose later in the installation.
6. On the heater box, remove the (4) side bolts on the mounting bracket so one piece is loose and one is still attached to the heater box.
7. Using the (3) self-tapping screws provided, mount the loose mounting bracket piece under the 2x2 steel square framing that runs under the dash. **See Photo 2. The bracket holes are cut so it can be adjusted after screws are drilled.**



Photo 1

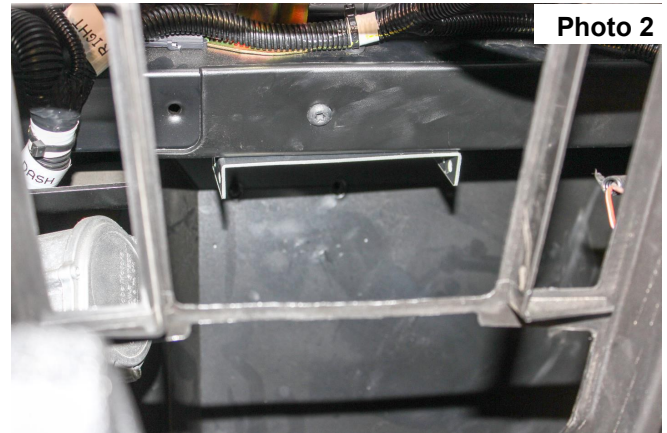


Photo 2

8. Fit the heater box up into the previously installed top bracket and re-install the two brackets together using the (4) side bolts. **See Photo 3.**
9. Drain the coolant from the machine (if you have hose pliers to stop coolant flow you do not have to drain the machine).
10. Using a 1-3/8" hole-saw, install the rubber grommets into the firewall. **See Photo 3.**
11. Cut the supplied heater hose in half and connect both runs to the heater core fittings. **See Photo 3.**
12. Raise the rear bed and run the hoses under the machine to the passenger side. **See Photo 4.**

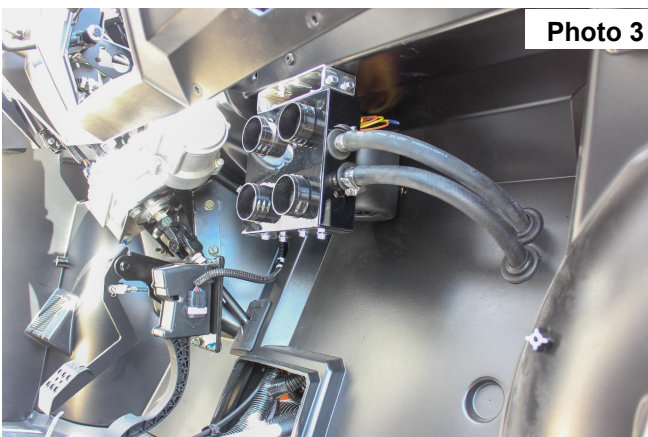


Photo 3



Photo 4

13. From the passenger side of the rear bed, locate the oil cooler line. Make a cut in the oil cooler line and insert the Straight Fittings, secure with the hose clamps provided. **See Photo 5.** We recommend using a lubricant to slide the fittings into the oil cooler lines.
14. Run the heater hose that is connected to the lower heater core fitting, relative to gravity, to the Inlet Fitting on the oil cooler line, trim to fit and secure with hose clamps. **See Photo 5.**
15. Run the heater hose that is connected to the upper heater core fitting, relative to gravity, to the Return Fitting on the oil cooler line, trim to fit and secure with hose clamps. **See Photo 5.**

**NOTE:** this plumbs like the OEM heater, **do not use a shut-off valve.**

16. Stretch your duct out and cut into the following lengths: (2) 20" pieces for the defrost vents and (2) 16" pieces for the floor vents.
17. With the top dash panel off turn it over and measure a 3.75" x 1.80" opening. Measure this off of the inside-front corner of the OEM vent embossment on both sides. **See Photo 6.**

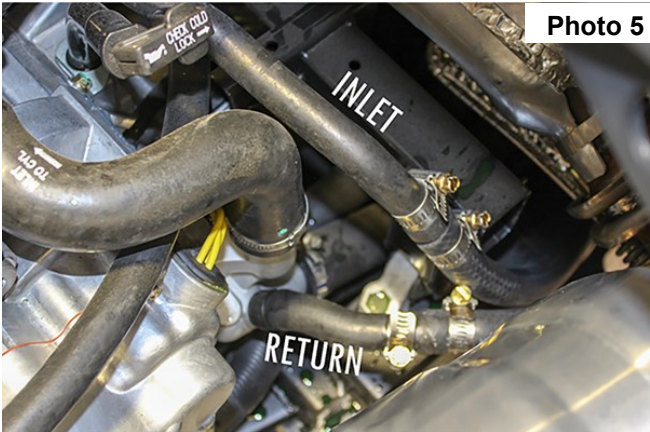


Photo 5

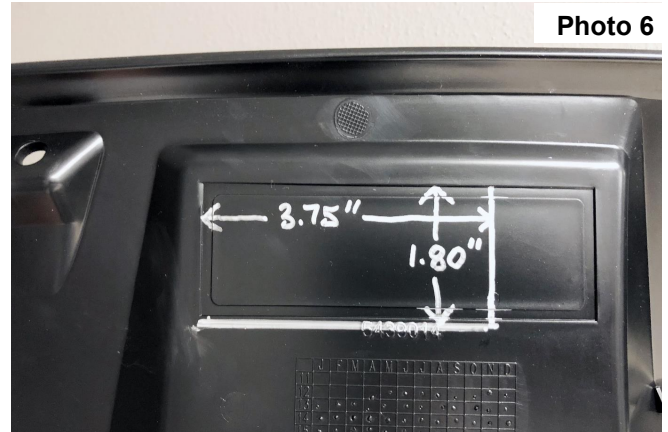


Photo 6

18. Using a utility knife cut the opening out. **See Photo 7.** Make sure to plunge the blade straight down and pull the blade straight out. Use a flame on the blade to make cutting easier.
19. Install the two defrost vents. **See Photos 8 & 9.**



Photo 7

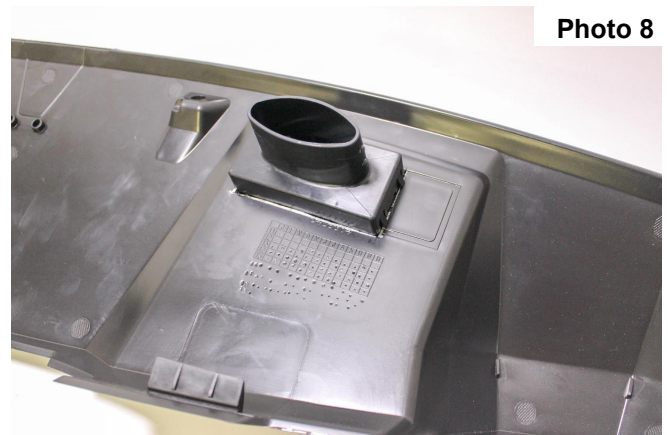


Photo 8

20. On the lower dash panel, cut and remove the existing cubby hole. **See Photo 10.**

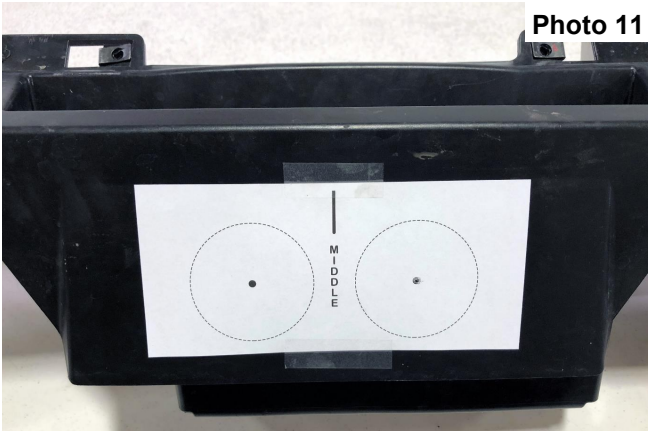


Photo 9



Photo 10

21. Use the floor vent cut-out template and tape in on the lower dash panel. **See Photo 11.**
22. Using a 2.5" circle saw, cut the louver openings and install the two circular floor louvers. **See Photo 12.** The face and adapter portions screw apart. Set the face in the hole and screw the adapter on from the backside. Install the duct barbs on the adapters for max hold.
23. Included in the kit is a cubby-hole plate cover, install this plate as shown. **See Photo 12.**



**Photo 11**

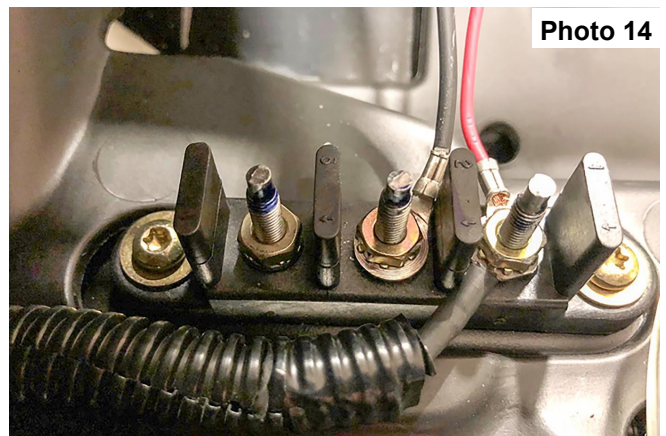


**Photo 12**

24. Connect the four runs of duct from the vents to the heater box adapters and secure with the zip ties provided.
25. Remove one of the factory switch plates and install the rocker switch. **See Photo 13.**
26. Using the wiring harness, plug the switch connector into the back of the rocker switch.
27. Using the wiring harness, plug the blower fan connector to the heater box blower.
28. Under the hood there is a circular embossment, drill a 1/2" bit hole in the middle of this embossment and run the accessory 12v and ground (red and black) wires through this.
29. Using the wiring harness, run the accessory 12v and ground eyelets through the fire-wall hole and onto the accessory bar. **See Photo 14.**



**Photo 13**



**Photo 14**

30. Once the wiring is complete test the heater blower.
31. Refill the radiator and check for leaks.
32. Start the machine and allow the engine to warm up and circulate the coolant.
33. Test drive the vehicle and put it under a load, this will help expel air from the system.
34. When done let the machine cool down, recheck the coolant level and refill coolant.
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.

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