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Rough Country RCZ4185A Installation Instructions

Cab Heater for Polaris Ranger & Ranger Crew XP 1000 (2017–2025)

Part number: RCZ4185A

trailfortress.com/cab-heater-polaris-ranger-ranger-crew-xp-1000-rough-country-rcz4185a

Scan for fitment, price and install help



POLARIS 2018-19 RANGER 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 at **roughcountry.com** under product code **RCZ4185A**. 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.

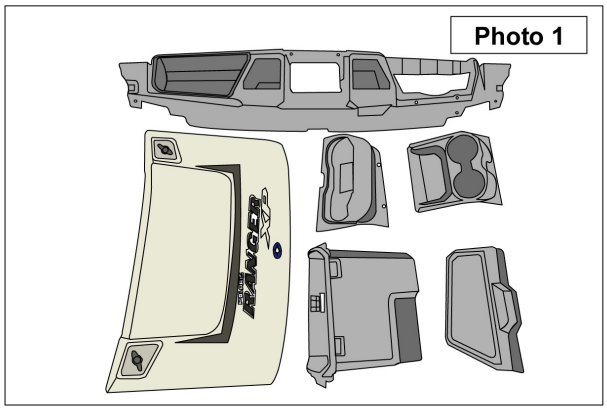
TOOLS NEEDED:
1/8" Drill
Screwdriver
3/8" Socket/Wrench
Ratchet
2 1/2" Hole Saw
1" Hole Saw
Drill Motor
1/2" Drill
Tape Measure
Marker
Knife or Scissors
Pliers
Manufacturer Approved Engine Coolant
Clamping Pliers

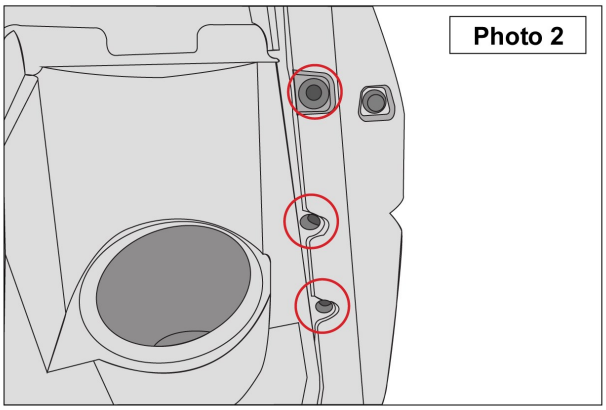
Torque Specs:

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

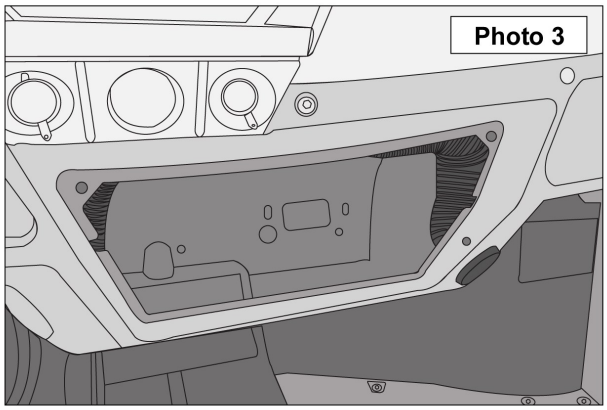
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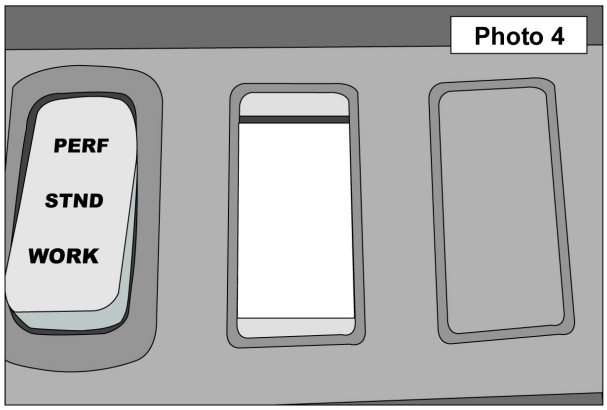
1. Remove the hood. **See Photo 1.**
2. Remove the top dash panel. **See Photo 1.**
3. Remove the center dash cup holder. **See Photo 1.**
4. Remove the passenger side dash storage compartment. **See Photo 1.**
5. Remove the driver gauge panel. **See Photo 1.**
6. Remove these extra (3) bolts on the passenger side. **See Photo 2.**
7. Remove the passenger glove compartment. **See Photo 1.**



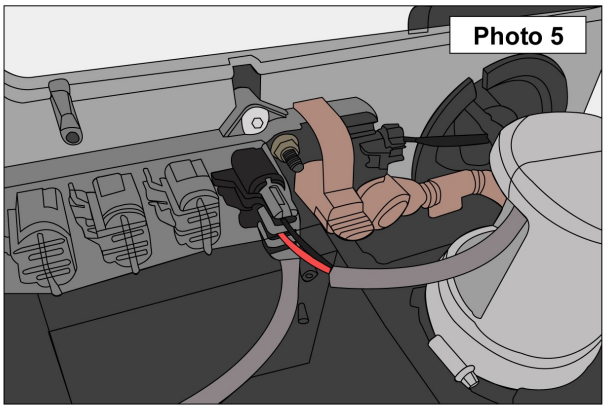


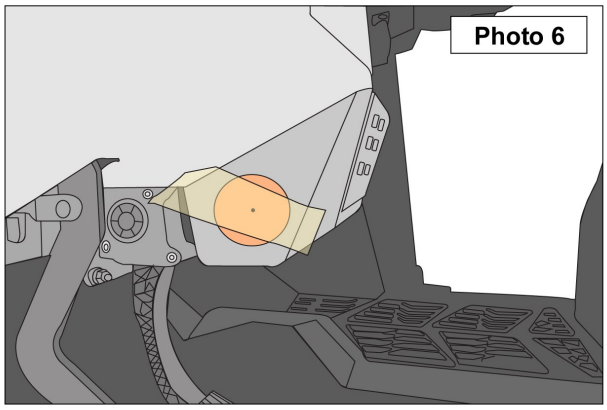
8. Remove the center cubby storage panel. **See Photo 3.**
9. Cut out a switch opening in one of the factory cutouts. **See Photo 4.** Do not cut out the entire embossment, it is larger than a standard rocker switch. You will cut short on the top and bottom.



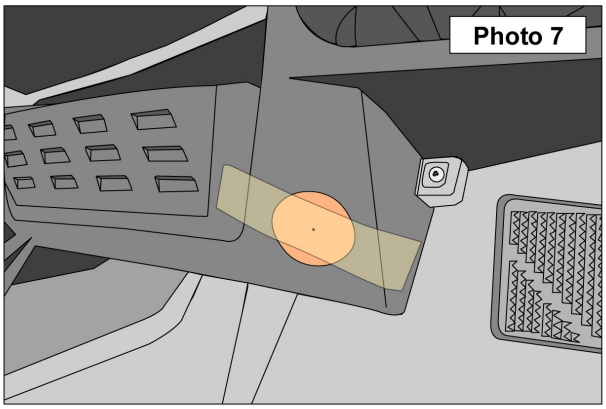


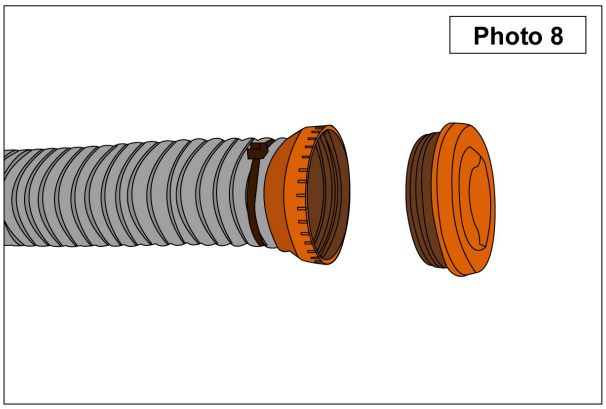
10. Install the rocker switch in the switch opening.
11. Using the wiring harness, plug the switch connecter into the back of the rocker switch.
12. Using the wiring harness provided, run the power wires (red/black) to the front of the machine and install onto the accessory bar. **See Photo 5.**
13. After you mount the heater you will plug the white blower connector to the heater, leave this connector hang for now.
14. Tape the louver cut-outs on the floor louver locations and drill pilot holes for your hole-saw. **See Photos 6 & 7.**



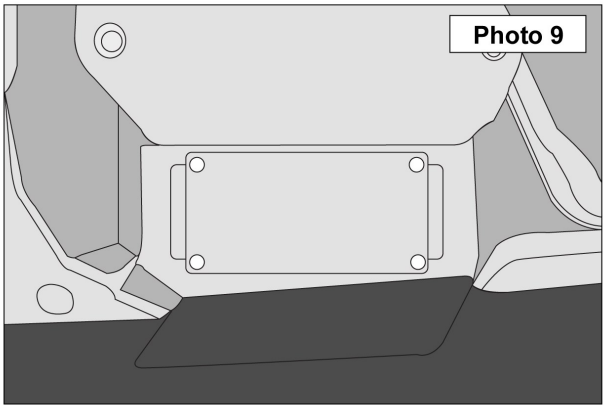


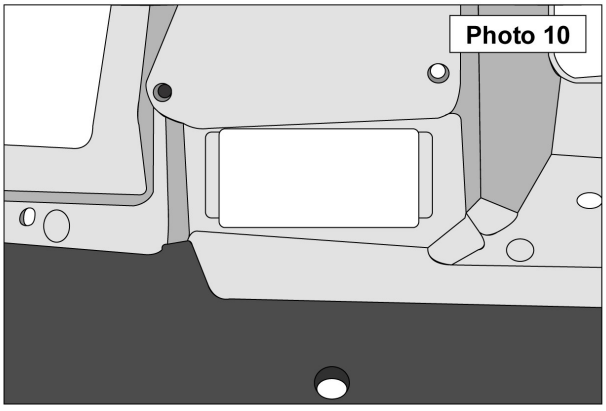
15. Using a 2.5” hole-saw drill out the holes for the floor louvers.
16. The floor louvers provided are 2-piece louvers, screw off the face from the adapter.
17. Cut two 24” pieces of duct for each floor louver and attach them to the adapters. **See Photo 8.** Make sure to use the duct clips on the adapters, then secure with the zip ties provided.



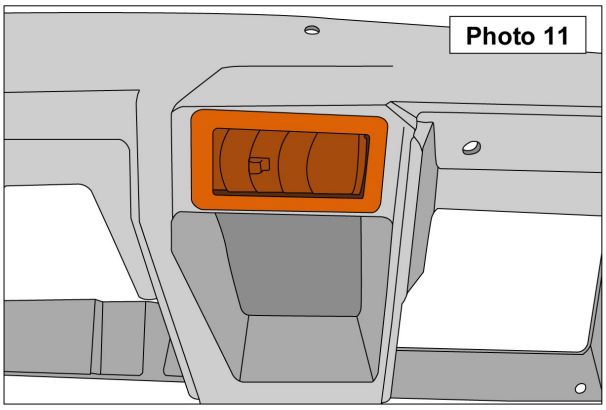


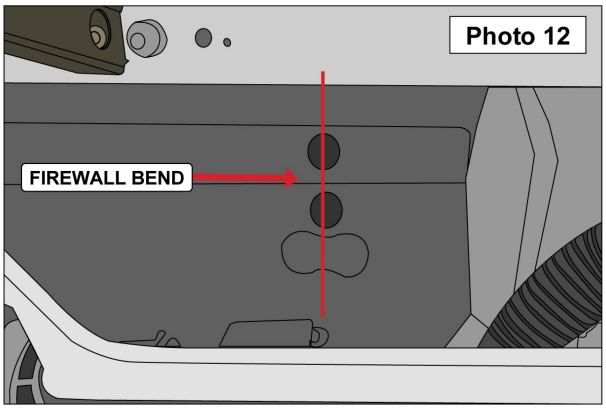
18. Set the louver face in the hole and screw on the adapter from the back side. Leave the duct hang for now, you will attach to the heater later in the install.
19. Using the top dash panel removed in STEP 1, you will begin to make openings for the defrost vents
20. Start by drilling pilot holes in each corner of the factory embossment. **See Photo 9.**
21. Using a razor blade (or other cutting tool), connect the 4 holes with cuts. **See Photo 10.** If using a razor blade it helps to heat the blade up with a flame. To cut, plunge straight down and pull straight up to avoid slippage.



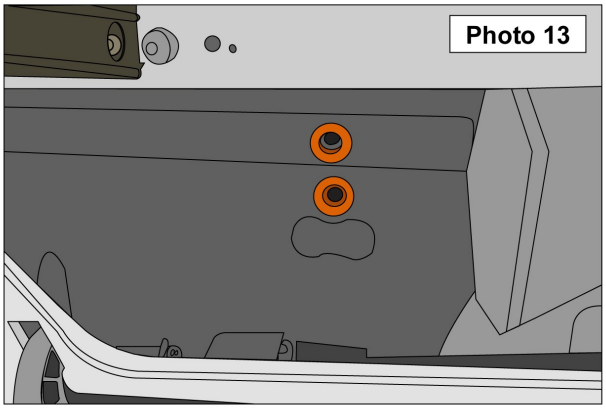


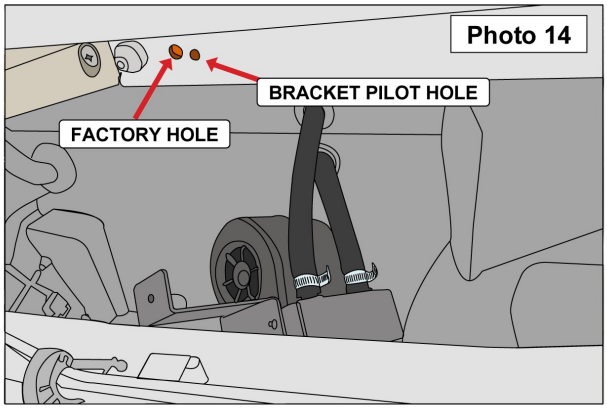
22. Install the defrost louvers. **See Photo 11.** Do not run duct work right now, this will be done later in the install.
23. Using a 1” hole-saw you will begin to install the two rubber grommets in the firewall. NOTE: It may be necessary to fine tune the hole to fit the grommets.
24. Locate the bulkhead embossment on the firewall, it looks like a figure 8 shape. **See Photo 12.**
25. Both of your holes will be drilled centered on this embossment (see green line on **Photo 12**).
26. Drill one hole between the embossment and the firewall bend and the other hole just above the firewall bend. **See Photo 12.**



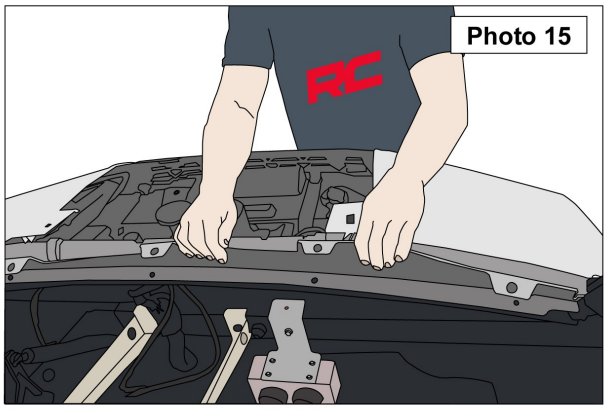


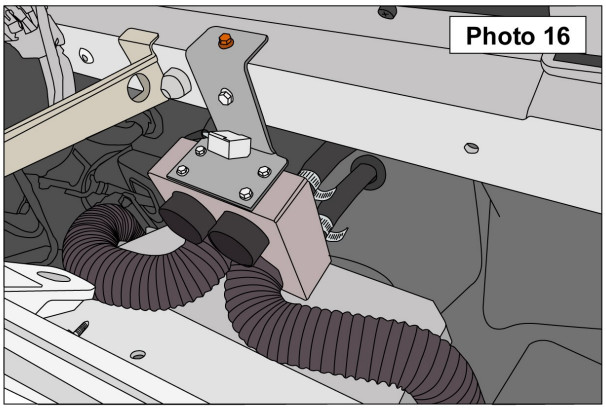
27. Install the rubber grommets in the holes. **See Photo 13.**
28. Cut a 20” piece of heater hose and slide is through the upper grommet, leave approx. 8” of hose inside the cab.
29. Run the remaining length of hose through the lower grommet, leave approx. 8” of hose inside the cab.
30. Set the heater in place to mount and mark the lower mounting hole. Make sure this mark is just to the right (toward passenger side) of the factory hole. **See Photo 14.** Drill the pilot hole with a 1/8” drill bit.



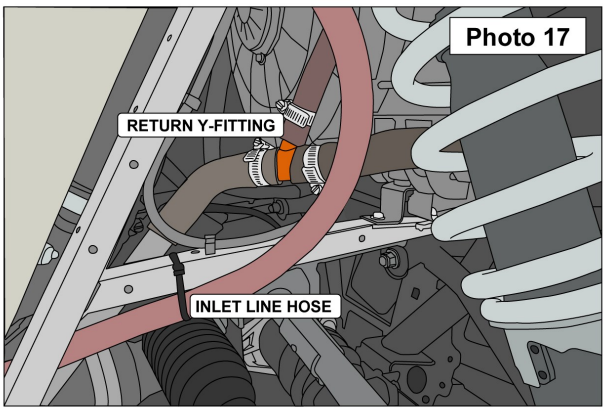


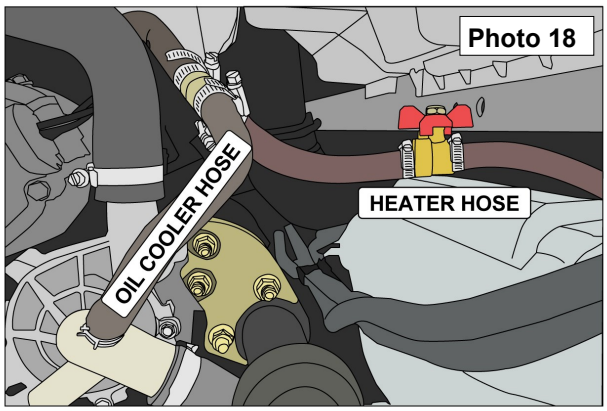
31. Set the heater back in place and using the self-tapping screws provided, mount the lower mounting hole (on the heater bracket).
32. Using the self-tapping screws provided, mount the upper mounting hole on the heater bracket. Have a partner pull back on the firewall panel. **See Photo 15.** Use an extension on your 3/8” socket and, using the self-tapping screws provided, mount the upper mounting hole (on the heater bracket). **See Photo 16.**





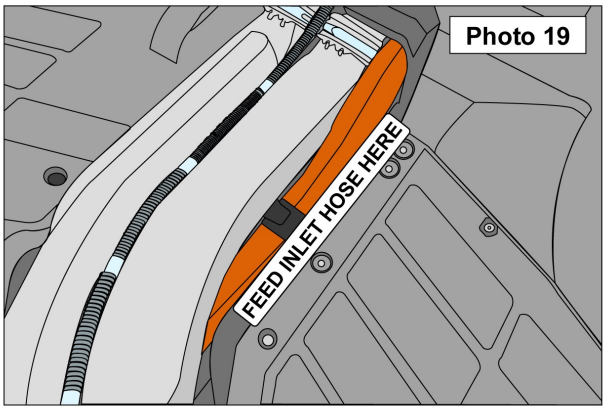
33. Using clamps, clamp off on each side of the lower radiator line where you will cut in to install the 1” Y-Fitting **See Photo 17**, once installed, secure with the hose clamps provided. Make sure the 5/8” splice is pointing toward the radiator, you want the coolant to flow back into the lower radiator line in the same direction it is moving from the radiator.
34. Connect the 20” upper grommet hose to the Return Y-Fitting and secure with the hose clamps provided.
35. Locate the oil cooler line from the rear passenger side wheel well. **See Photo 18.**
36. Using clamps, pinch off the oil cooler line on each side of where you will make the cut.
37. Cut the oil cooler line and install the T-Fitting using the hose clamps provided. **NOTE:** The heater hose valve is optional. **See Photo 18.**

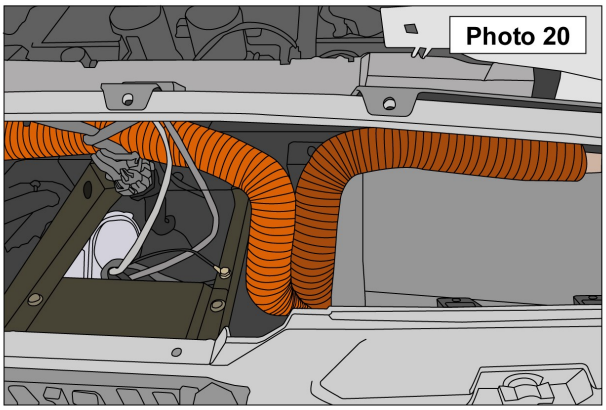




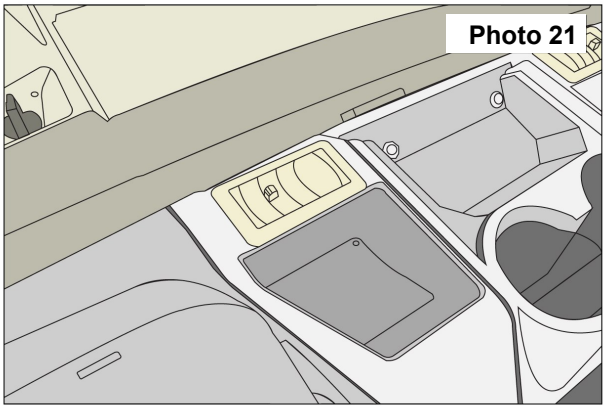
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38. Run the remaining heater hose from the lower grommet to the T-Fitting, trim as needed. Remove the center floor cover to run the hose to the oil cooler line. **See Photo 19.** To remove this center floor cover there is one plastic rivet that you will have to raise the seats to as it is behind the cover and cannot be seen from the cab.
39. Secure the hose to the T-Fitting with the hose clamps provided
40. A shut-off valve is included in the kit, splice it in-line on the inlet hose in a spot that you can access.
41. Connect the (2) runs of duct from the floor louvers to the heater box. **See Photo 16.**
42. Cut runs of duct of 36" (Driver Defrost) and 18" (Passenger Defrost) and connect both runs to the upper heater box adapters. **See Photo 20.**





43. Re-install the glove box. Have a partner pull on the middle dash to allow for more room to maneuver the glove box back into place. The 3 bolts removed in step 6 will make this much easier.
44. Set the top dash piece in place and connect the two runs of duct to the defrost vents. **See Photo 21.**



45. Re-install all dash and can panels.
46. Refill the radiator and check for leaks.
47. Start the machine and allow the engine to warm up and circulate the coolant.
48. Drive the vehicle and put it under a good load, this will help expel air from the system.
49. When done let the machine cool down, recheck the coolant level and refill if needed.
50. 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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