

Arctic Cat® Prowler

Installation Instructions - Accessory Kit

Cab Heater Kit

(p/n 1436-359)



■ NOTE: Read these Installation Instructions thoroughly before beginning the installation process. Retain these Installation Instructions for future reference.

Application: All Prowler models

Kit includes:

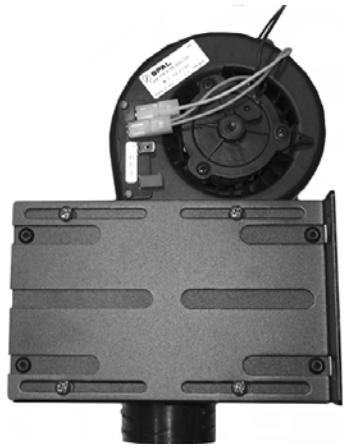
p/n	QTY	DESCRIPTION
0541-852	1	Heater
1441-934	2	Side Mounting Bracket
1441-935	1	Rear Mounting Bracket (Left-Side)
1441-978	1	Rear Mounting Bracket (Right-Side)
1441-936	1	Vent Hose (2 in. x 9 ft)
1441-937	2	Floor Vent
1441-938	1	Dash Vent
1441-939	1	Heater Hose (20 x 3/4-in.)
1441-940	1	Radiator Hose Tee
1441-941	1	Radiator Hose Wye
1441-942	7	Hose Clamp (12)
1441-943	4	Hose Clamp (20)
1441-944	4	Hose Clamp (3/8 in.)
1441-945	6	Cable Tie (14 in.)
1441-946	5	Cable Tie (7 in.)
1441-947	1	Cable Tie (4 in.)
1441-948	1	Switch
0541-853	1	Harness w/Fuse
1441-950	1	Formed Hose (3/4-in. (Twist))
1441-979	1	Formed Hose (3/4 x 9.375-in.)
1441-980	1	Formed Hose (3/4 x 8 1/2-in.)
1441-951	1	Coolant Hose (3/8-in x 18-in.)
1441-952	1	Fill Tee
1441-953	1	P-Clip
1441-954	1	Split Loom (1/4 in. x 12 in.)
1441-955	1	Split Loom (3/8 in. x 12 in.)
0123-010	4	Expansion Nut
1441-956	1	Coupling (3/4-in.)
0541-854	1	Coolant Pump
1441-957	1	Pump Coupling (3/4)
1441-958	1	Pump Coupling (3/8)
1436-408	1	Hardware Kit
0453-635	1	Instructions

WARNING

Allow the engine/cooling system to cool before installing this kit.

1. Remove the hood assembly and set aside. Retain all hardware.
2. Secure Side Mounting Brackets (with flange to the rear) to Heater so brackets are flush with heater using four machine screws (included in Hardware Kit). Tighten securely. See Fig. 1.

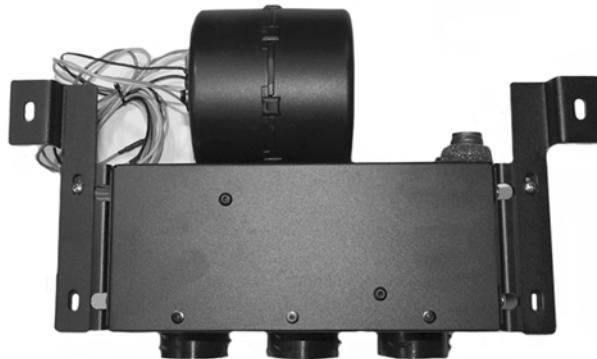
Fig. 1



ROV-049

3. Secure Right- and Left-Side Rear Mounting Brackets to the top mounting locations of the side mounting brackets (with brackets flush on the bottom) using two screws and nuts (included in hardware kit). See Fig. 2.

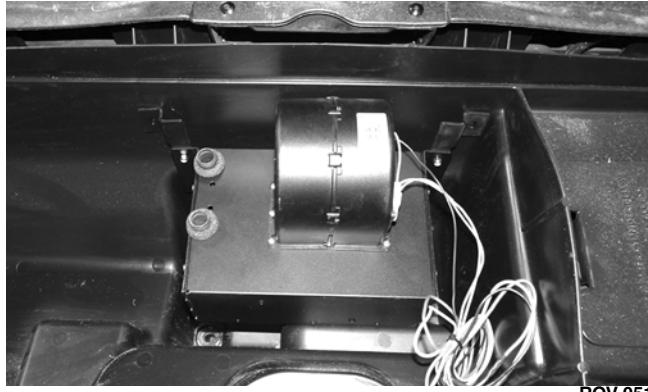
Fig. 2



ROV-050

4. Place heater into storage box so side mounting brackets are approximately four inches below the storage box lip and up against the operator's-side storage box wall. Mark all four mounting locations. See Fig. 3.

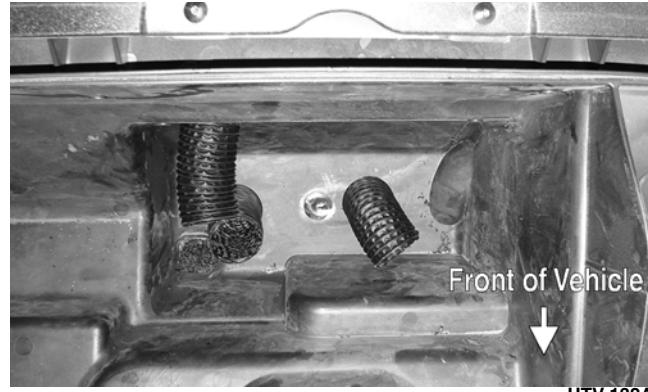
Fig. 3



5. Using a 3/8-in. drill bit, drill all four locations; then install four Expansion Nuts.

6. On Prowlers without power steering, use a 2 1/4-in. hole saw and drill two holes in the bottom of the storage box; then drill a hole in the vertical side of the storage box below the bottom-left well nut and through the inner fender panel. See Fig. 4.

Fig. 4



CAUTION

On power steering models, all three holes will have to be drilled through the back of the storage box. Failure to follow this step will result in damage to the electronic power steering assembly. See Fig. 5.

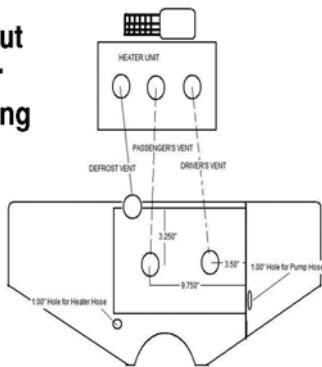
Fig. 5



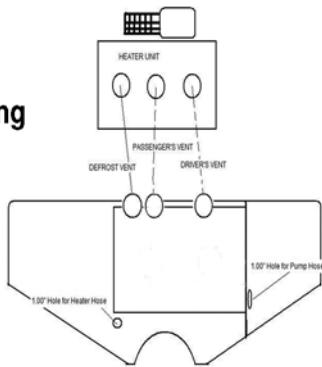
7. Insert adequate lengths of 2-in. Vent Hose into each opening; then while holding the heater, attach each vent hose to the heater flange (shown below) and secure with three Cable Ties (14 in.). See Fig. 6.

Fig. 6

Without Power Steering



With Power Steering



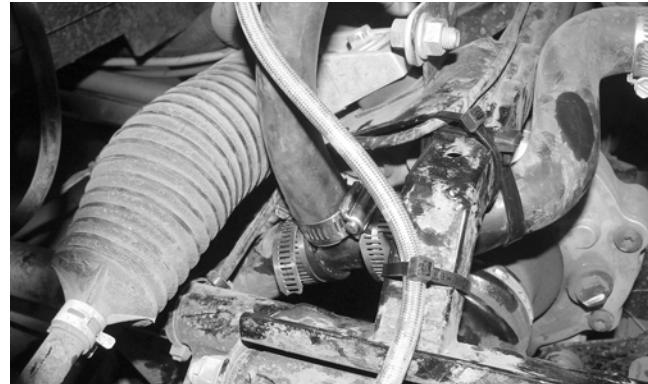
UTV-054A

8. Secure heater to the storage box using four machine screws (included in hardware kit).

9. Using a 1-in. hole saw, drill an opening in the storage box left corner; then route Coolant Hose (3/8-in. x 18-in.) down to lower radiator hose. See Fig. 6.

10. Using two suitable hose clamping devices, clamp the lower radiator hose in two positions; then cut the radiator hose. Install Radiator Hose Tee and secure with three Hose Clamps (3/8 in.). See Fig. 7.

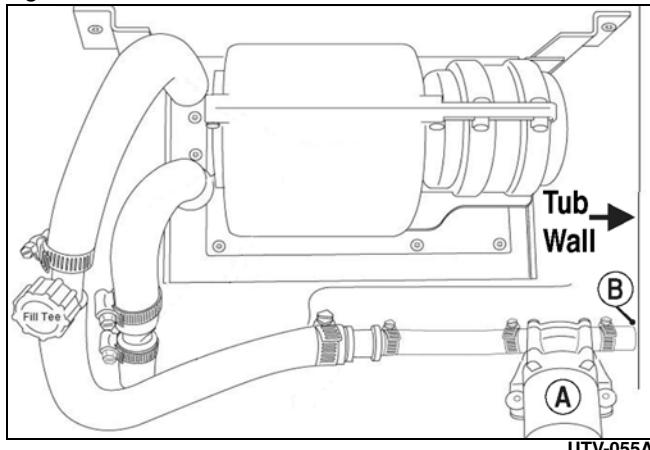
Fig. 7



UTV-126

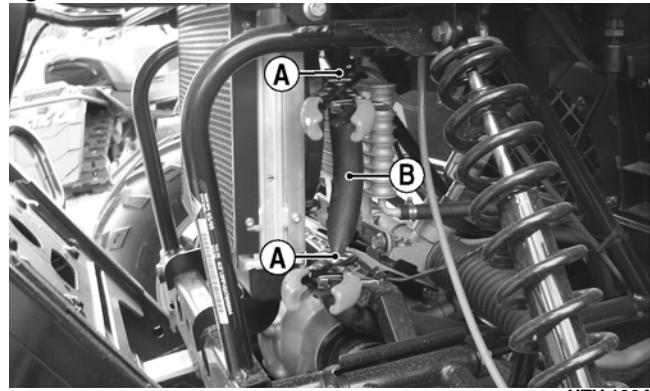
11. Secure Coolant Pump (A) to the storage box using two self-tapping screws (shown below); then drill a 1-in. hole (B) into the storage box (operator's side) directly across from the intake hose barb and secure coolant hose (3/8-in.) through drilled hole. See Fig. 8.

Fig. 8



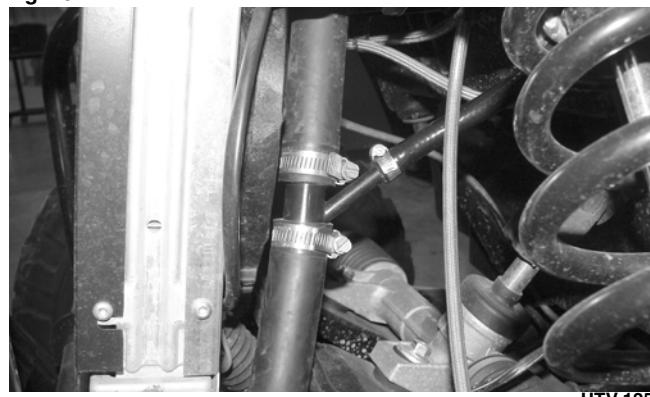
12. Locate the upper radiator hose (operator's side) and make a mark approximately seven inches below the upper bend; then place two suitable hose clamping devices on either side (A) and cut the hose (B). See Fig. 9.

Fig. 9



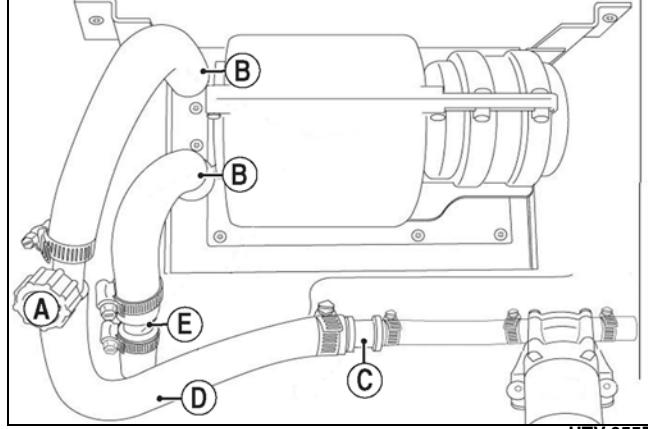
13. Install Radiator Hose Wye with the branch fitting towards the heater unit and secure with two clamps; then install the radiator hose (from the coolant pump) to the wye and secure with a clamp. See Fig. 10.

Fig. 10



14. Locate and attach two Formed Hoses as shown with the Fill Tee (A) and secure with two clamps; then insert the Reducing Coupling (C) into the longest 90 degree Formed Hose (D), opposite the fill tee and attach to 5.00" piece of 3/8" ID hose on the pump's discharge side. Insert the 3/4" x 3/4" coupling (E) into the 20.00" piece of 3/4" radiator hose that was pushed into the tub from the radiator tee previously installed in the lower radiator hose; then attach to the formed hose coming from the return (B) port on the heater. See Fig. 11.

Fig. 11



15. Place masking tape over the area that will be cut for the oval defroster and place the oval vent's plenum on the dash upside down and above the switch panel. Trace onto masking tape. Measure and mark the plenum mounting holes and take extra care NOT to cut the mounting holes out of the dash when cutting the 5.80" x 1.00" opening. Hold the plenum under the dash cut-out and sandwich the dash with the grill. Secure with two Self-Tapping Screws and secure vent hose using one Cable Tie (14 in.). See Fig. 12 & 13.

Fig. 12

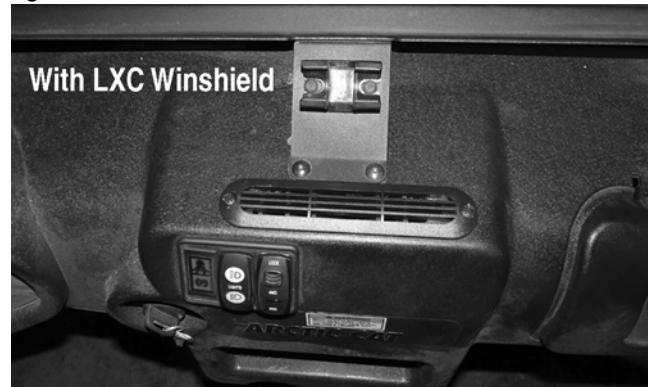


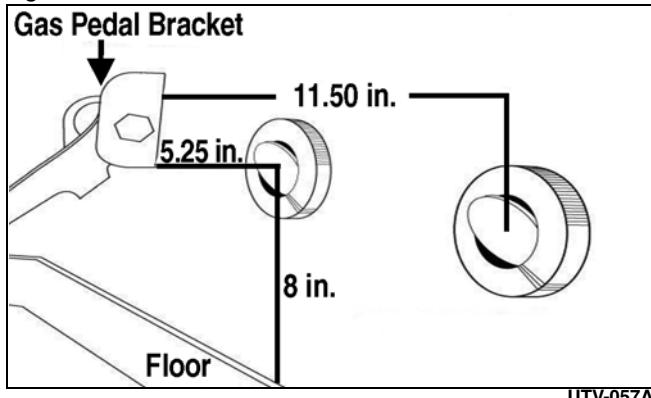
Fig. 13



UTV-128

16. On models without a floor console, drill two holes in the splash panel using a two inch hole saw for the operator's/passenger's vents according to the illustration below; then pull the 2 inch vent hose (previously routed) through the splash panel and secure with cable ties (14 in.). See Fig. 14.

Fig. 14



UTV-057A

17. On models with a floor console, remove the seats, console, and floor console. Retain all hardware.

18. Using a two-inch hole saw, drill a hole on both sides of the floor console; then press in two round vents. See Fig. 15.

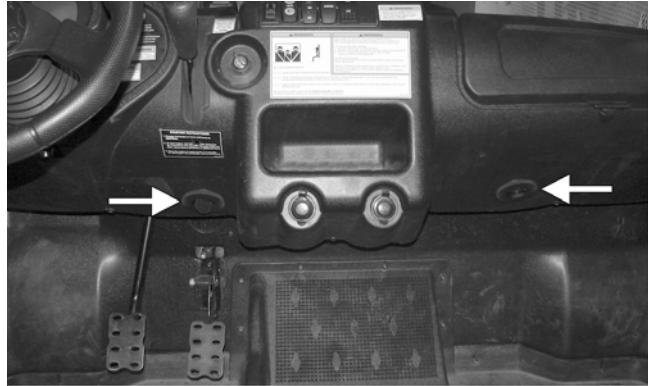
Fig. 15



UTV-119

■ NOTE: On HDX models, the round vents should be installed some where in the lower portion of the dash panel. Make sure vent hoses are routed away from all steering components. See Fig. 16.

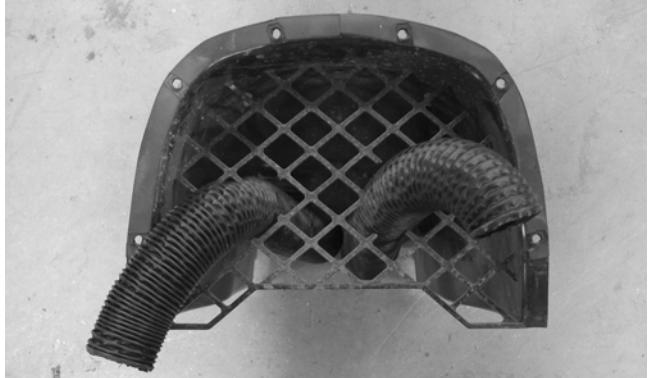
Fig. 16



UTV-279A

19. Cut the front screen in the floor console to allow vent hoses to access round vents; then secure vent hoses to the round vents using two cable ties. See Fig. 17.

Fig. 17

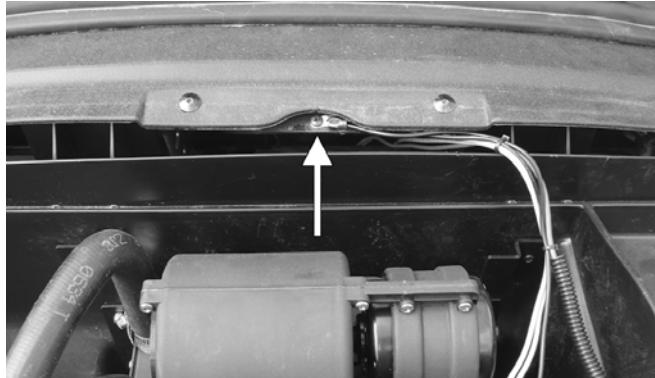


SNO-120

20. Install floor console using existing hardware; then install console and seats.

21. Locate black ground wire from the heater and the coolant pump; then route to the dash support area and secure using a Self-Tapping Screw. See Fig. 18.

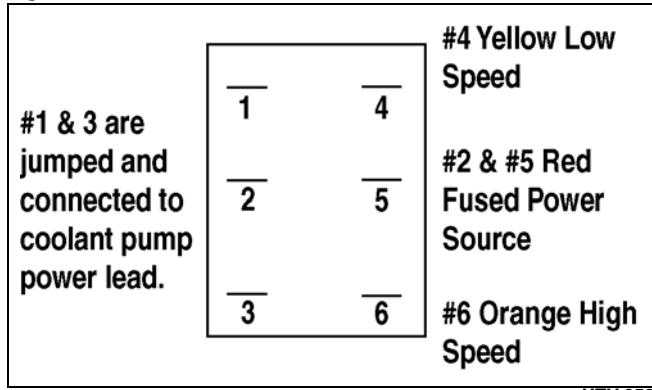
Fig. 18



UTV-130A

22. Route heater wires (yellow and orange) between tub wall and splash panel; then remove switch panel below the defroster vent and insert Switch. Attach the yellow and orange fan speed wires as shown. See Fig. 19.

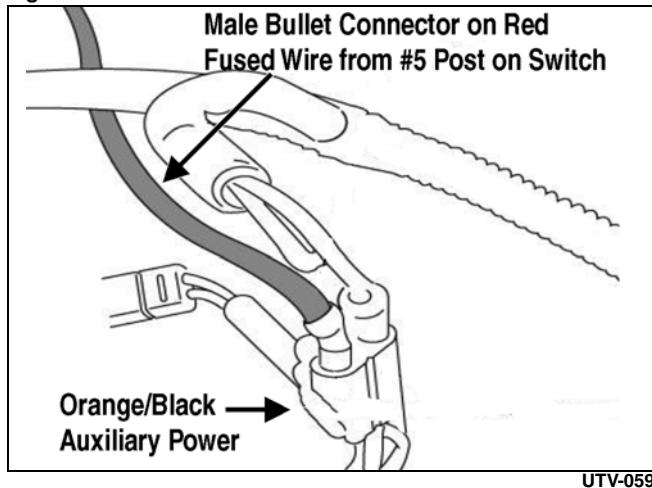
Fig. 19



23. Attach the red wire to the jumped #1 and #3 posts on the back of the switch.

24. Attach the red fused power wire to the #2 and #5 post on the back of the fan switch and the bullet connector into the orange/black auxiliary power connector behind the dash. See Fig. 20.

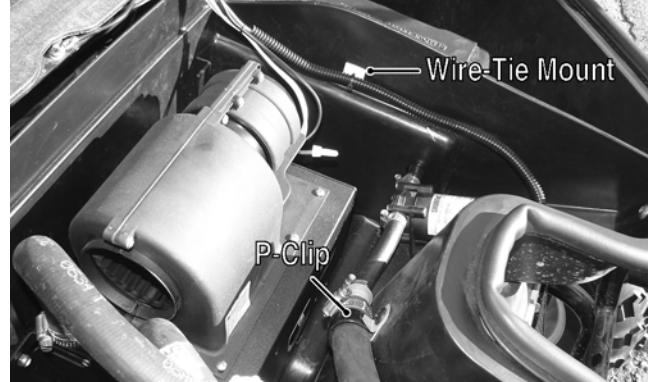
Fig. 20



■ NOTE: Check all hose clamps and secure as required. Apply wire wrap to exposed wires in storage box and use cable ties to clear hoses and wiring away from any hot or moving vehicle components.

25. Using a 1/4-in. drill bit, drill a mounting location in the center of the storage box; then using P-Clip, secure the radiator hose to the storage box using a machine screw and nut. Remove the backing from the wire-tie mount (included in hardware kit) and adhere to the operator's side of the storage box; then secure heater wires using one cable tie. See Fig. 21.

Fig. 21



26. Fill Heater hoses with Arctic Cat Antifreeze through the fill tee; then cap the fill tee and turn the key to the auxiliary position. Turn the heater switch to the low position. Once heater is running, start the vehicle and keep the fan switch on. This step may take up to 20 minutes to complete. Run the vehicle for a short amount of time (until the vehicle's fan turns on); then turn off and allow to cool. Repeat fill procedure until system is full.

■ NOTE: Be sure to lift the fill tee when filling antifreeze to make sure it is the highest point in the system or air bubbles in the system may occur.

WARNING

Do not open the radiator cap once the system is hot. Do not overheat vehicle.

