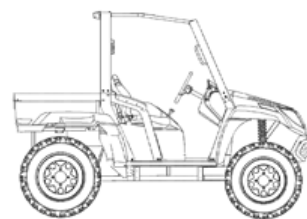


Arctic Cat® UTV

Installation Instructions - Accessory Kit

Prowler Oil Cooler Kit

(p/n 1436-057)



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

Application:

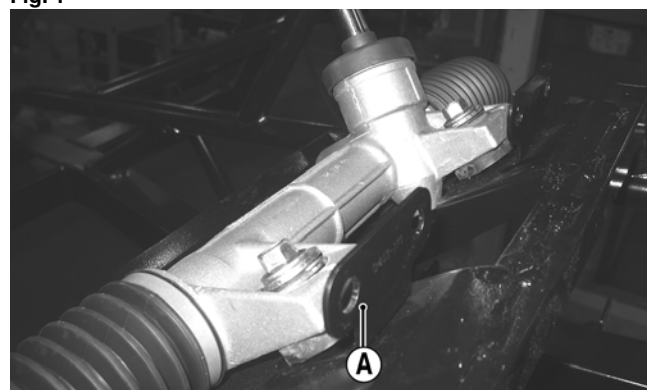
2008 Prowler Models

Included in Kit (p/n 1436-059):

p/n	QTY	DESCRIPTION
0541-023	2	Mounting Bracket (Lower)
0423-577	1	U-Nut Clip
8476-616	1	Machine Screw (6 mm)
0413-163	1	Oil Cooler
8409-025	2	Cap Screw (10 mm)
8428-002	2	Flange Lock Nut
0410-166	1	Oil Cooler Hose (Left Side)
0623-028	4	Clamp
0410-165	1	Oil Cooler Hose (Right Side)
0830-166	1	O-Ring
0123-903	6	Cable Tie
0812-055	1	Tower
0812-056	1	Stand
0812-034	1	Oil Filter
0453-473	1	Instructions

1. Set the parking brake and chock the wheels.
2. Disconnect the battery.
3. Remove one of the two cap screws and nuts securing the rack and pinion mounting tab to the frame; then loosen, but do not remove the remaining cap screw securing the rack and pinion to the frame.
4. Slide Lower Mounting Bracket (A) under the bushing located at the rack and pinion mounting tab where the cap screw and nut were removed in step 3. See Fig. 1.

Fig. 1

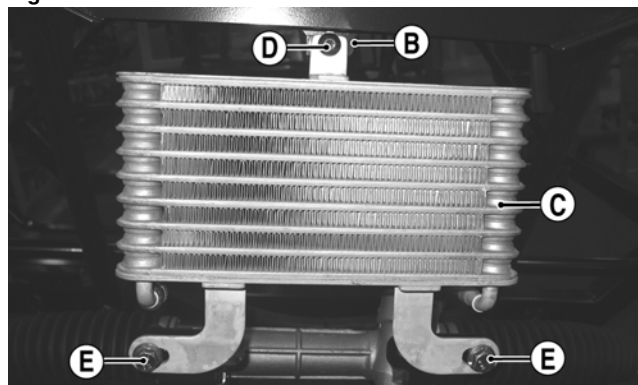


OHUV-076A

■ **NOTE:** Position the bracket so the single hole is under the rack and pinion bushing and the tab on the bracket is on the left side of the rack and pinion mounting tab.

5. Install the cap screw and nut (removed in step 3) into the rack and pinion mounting tab. Loosely secure at this time.
6. Remove the opposite-side cap screw and nut securing the rack and pinion mounting tab to the frame; then install the remaining Mounting Bracket as described above. Install the cap screw and nut. Loosely secure.
7. Place the U-Nut Clip (B) onto the upper cross-over support bracket tab located above the rack and pinion making sure the clip is positioned with the threaded section facing the rear of the vehicle. See Fig. 2.

Fig. 2

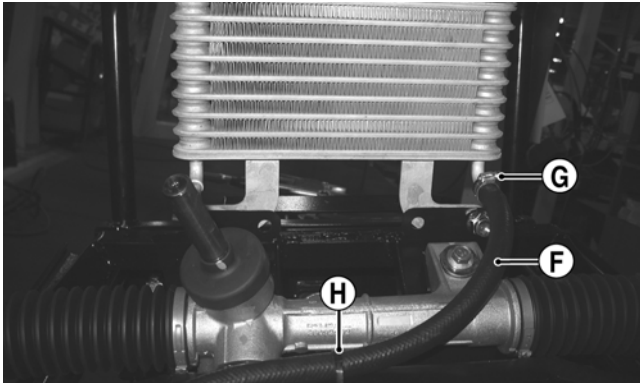


OHUV-074A

8. Position Oil Cooler (C) onto the cross-over support bracket making sure the oil cooler tab is positioned in front of the mounting tab and that the oil cooler fittings are facing toward the rear of the vehicle; then using a 6 mm Machine Screw (D), secure the upper tab of the oil cooler to the cross-over support bracket. Loosely secure. See Fig. 2.
9. From the front of the vehicle, insert the two 10 mm Cap screws (E) through the two lower oil cooler tabs (positioned in front of the mounting tabs) and through the newly installed brackets on the rack and pinion. Loosely secure with Flange Lock Nuts.

10. Tighten the two cap screws and nuts securing the rack and pinion to the frame to 6.9 kg-m (50 ft-lb).
11. Tighten the upper machine screw to 0.6 kg-m (4 ft-lb) and the lower cap screws to 2.8 kg-m (20 ft-lb).
12. Insert the 77.1 in. Oil Cooler Hose (F) onto the left side oil cooler fitting (as viewed from front of vehicle) making sure the hose is properly inserted. See Fig. 3.

Fig. 3



OHUV-075A

■ **NOTE:** The end of the hose should be inserted onto the fitting past the barb to the bead but not over the bead. Mark this hose on the opposite end for installation purposes later.

13. Secure the hose to the cooler fitting with a Clamp (G). Tighten to 1.7 kg-m (12 ft-lb). Secure the hose to the lower cross-over tube using a Cable Tie (H). See Fig. 3
14. Insert the 67.7 in. Oil Cooler Hose onto the right side oil cooler fitting and secure with Clamp as described above.
15. Route the right-side oil cooler hose along the top of the frame cross-over tube (behind the rack and pinion) and then continue routing toward the rear of the vehicle along the left side of the lower frame rail. See Fig. 3.

16. Position the oil cooler hoses toward the oil filter just behind the left-side rear engine mount.
17. Remove the existing oil filter and discard.
18. Remove the existing stand that secures the oil filter to the engine. Discard the stand.
19. Place the O-Ring into the groove on the bottom of the Tower.

■ **NOTE:** The word “UP” is embossed on the face of the tower.

20. Place the tower onto the engine with the O-ring contacting the engine case.
21. Thread the new Stand into the center of the tower and into the case making sure the tower oil-hose fittings are positioned straight rearward or parallel with the clutch cover belt cooling duct. Tighten to 2.5 kg-m (18 ft-lb).
22. Thread the new Oil Filter onto the stand and properly tighten.
23. Place the left-side oil cooler hose (previously marked) onto the right-side tower fitting (as viewed from the rear of the vehicle). Be sure to push the hose completely onto the fitting; then secure with a clamp and tighten to 1.7 kg-m (12 ft-lb).
24. Place the remaining oil cooler hose onto the opposite cooler fitting and secure with clamp as described above.
25. Secure both oil cooler hoses to the left-side frame tube using cable ties as needed.
26. Start the engine and allow it to reach its normal operating temperature and check for any possible oil leakage.
27. Check the oil level and add oil as necessary to the proper level.

