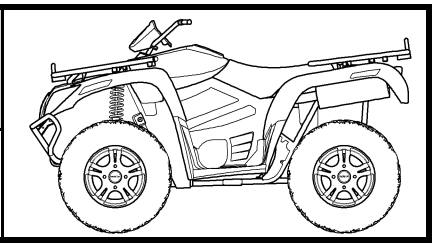
Arctic Cat® ATV
Installation Instructions - Accessory Kit
H1 Oil Cooler Kit (p/n 1436-058)



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

Application: 550-700 H1 without Oil Cooler

Kit includes:

p/n	QTY	DESCRIPTION
0123-903	3	Cable Tie
0413-163	1	Oil Cooler
0513-022	1	Mounting Bracket (Upper)
0423-632	4	Clamp
0410-127	2	Hose
8476-612	2	Machine Screw (6 mm)
0623-038	2	Hex Nut w/Washer
0812-056	1	Oil Filter Union
0812-055	1	Oil Filter Tower
0830-166	1	O-Ring
0812-034	1	Oil Filter
0453-474	1	Instructions

■ **NOTE: Removing the front fender will aid in the installation process but is not required.**

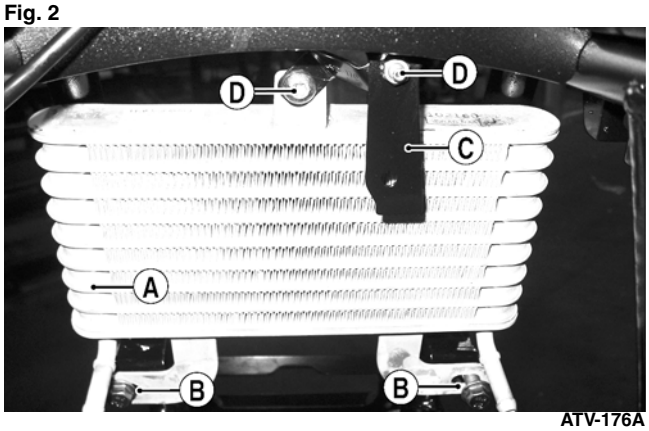
1. Remove the two cap screws from the rear of the bumper mounting channel. Retain the cap screws. See Fig. 1.

Fig. 1

ATV-2122A

2. Place the Oil Cooler (A) (installed from the right-side) against the bumper mounting channel with the two large tabs facing downward and the oil cooler fittings facing the rear of the vehicle. See Fig. 2.

Fig. 2



ATV-176A

3. Loosely install the two cap screws (B) removed in step 1.
4. Align the mounting hole in the Upper Mounting Bracket (C) with the hole located directly above the T-block for the hydraulic brake lines. Secure with Machine Screw (D) and Hex Nut w/Washer making sure the machine screw is inserted from the front of the ATV. Do not tighten at this time. See Fig. 1.

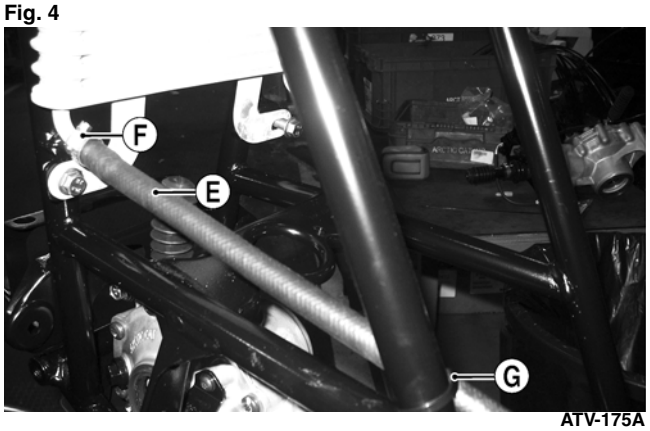
■ **NOTE: On power steering models, the upper mounting bracket will get mounted in the hole above the brake line splitter. See Fig. 3.**

Fig. 3

ATV-2123A

5. Making sure the upper tab on the oil cooler is positioned in front of the upper mounting tab, secure the oil cooler to the mounting bracket with the remaining Machine Screw (D) and Hex Nut w/Washer making sure the machine screw is inserted from the rear of the ATV. See Fig. 2.
6. Tighten the lower cap screws (B) to 20 ft-lb and the upper 6 mm machine screws to 4 ft-lb.
7. Insert Hose (E) onto the left side oil cooler fitting making sure the hose in inserted past the barb to the bead but not beyond the bead. Secure with Clamp (F). See Fig. 4.

Fig. 4



ATV-175A

■ **NOTE: On power steering models, the left-side hose will have to be routed under the power steering unit making sure it stays clear of all steering components.**

■ **NOTE: Mark this hose at the opposite end for installation purposes later. Tighten clamp to 12 in.-lb.**

8. Route the hose down the left side to the frame tube and secure with Cable Tie (G) at the vertical support tube. See Fig. 2
9. Insert the remaining hose onto the right side cooler fitting and secure with Clamp.
10. Route the hose down the right side of the frame tube and secure with a cable tie at the vertical support tube.
11. Remove the existing oil filter and discard.
12. Remove the existing union that secures the oil filter to the engine case. Discard the union. See Fig. 5.

Fig. 5

ATV-2124

13. Place the O-Ring into the ring groove in the bottom of the new Oil Filter Tower.
14. Place the tower onto the engine with the O-ring contacting the engine case.
15. Thread the new Oil Filter Union into the tower and case making sure the oil fittings are positioned forward.

CAUTION

Be sure the union is positioned so the hoses and clamps do not contact the cylinder coolant hose or the belt cooling duct. See Fig. 6.

Fig. 6

ATV-2125

16. Tighten the union to 18 ft-lb.
17. Thread the new Oil Filter onto the union and tighten securely.
18. Place the left-side hose (previously marked) onto the left-side tower fitting making sure the hose is completely seated onto the fitting. Secure with Clamp and tighten to 12 in.-lb. See Fig. 7.

Fig. 7

ATV-2126

19. Place the right-side hose onto the opposite tower fitting and secure with hose clamp as described above.
20. Using a cable tie, secure the right-side and left-side hoses together approximately three inches in front of the tower fittings.
21. Start the engine and allow it to reach its normal operating temperature.
22. Check for any possible oil leakage; then check the oil level and add oil as necessary to the proper level.