



CAN-AM X3 SUPPLEMENTAL OIL COOLING SYSTEM



Horizontal version pictured

P/N: 90405000, 90405001, 90405002, 90405003

Fits the 2017 + Can-Am X3

INSTALLATION MANUAL

INTRODUCTION

Thank you for your purchase of our supplemental oil cooler system for the Can-Am X3! We hope that you find the installation simple and straight forward. As our customer, your satisfaction is important to us, and for that reason we take pride in all of the products we design and manufacture to ensure a reliable solution for years to come!

Warranty

The Can-Am Oil Cooler System carries a (1) one year parts only warranty.

The limitations include:

- Parts-only, exchange-only warranty.
- Warranty is limited to defects in workmanship and materials.
- Shipping is NOT included with warranty returns.

In the rare event that you might actually have a warranty claim, we will be more than happy to assist you. Please call before you take action. We want to track and properly handle any warranty claims. You will need to contact our team at 888-967-6653 or 480-247-2331 and we will help you with your options.

Tools needed for installation

- 10MM Socket and Ratchet
- Side Cutters
- 7/16 Wrench and Socket
- 3/16 Allen Bit Driver
- Drill
- 1/4" Drill Bit
- 1 1/16 Wrench or socket
- 11/16 wrench
- Oil drain pan



Parts List - 90405000, 90405002 VERTICAL AIR - OIL COOLER

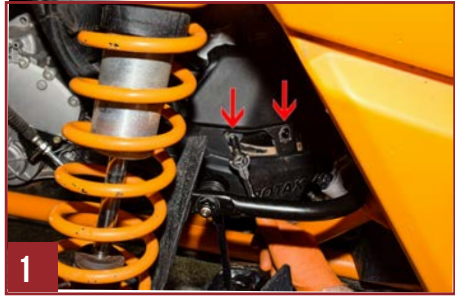
Part#	Description	Qty.
6000035	CAN-AM OIL COOLER	1
6502374	CAN-AM OIL COOLER CAGE MOUNT - VERTICAL	1
6502020	OIL COOLER SANDWICH PLATE	1
6200041	-115 VITON O-RING	3
6200042	-112 VITON O-RING	1
6000134	CAN-AM OIL COOLER GASKET	1
6400009	-6 ORB TO SAE STRAIGHT THREAD CONNECTOR	2
6502140	CAN-AM OIL COOLER HOSE BRACKET	1
6502157	CAN-AM OIL COOLER HOSE CLAMP	1
6200060	1/4-20 X 3/4" HEX HEAD SCREW	1
6200078	1/4-20 X 1/4" HEX HEAD SCREW	1
6200141	1/4" ZINC PLATED WASHER	12
6200079	1/4" NYLON INSERT LOCK NUT	6
6502373	CAN-AM OIL COOLER CAGE CLAMP	2
6200080	1/4-20 X 1 1/2" SOCKET HEX HEAD SCREW	4
6200081	1/4-20 X 7/SOCKET HEAD SCREW	4
6200082	1/4-20 X 1 1/2" HEX HEAD SCREW - PARTIALLY TREADED	1
6200255	14 1/2" CABLE TIE	5
6200085	1/4" ID X 1/2" OD RUBBER TUBE	3
6200053	M6 X 1.0 X 60MM HEAD TORX FLANGE BOLT	4
6200256	1/4" ID X 1/2" OD ALUMINUM SPACER	1
90201078 OR 90201067	HOSE PACK	1

Parts List - 90405001, 90405003 HORIZONTAL AIR - OIL COOLER

Part#	Description	Qty.
6000035	CAN-AM OIL COOLER	1
6502158	CAN-AM OIL COOLER CAGE MOUNT - HORIZONTAL	1
6502020	OIL COOLER SANDWICH PLATE	1
6200041	-115 VITON O-RING	3
6200042	-112 VITON O-RING	1
6000134	CAN-AM OIL COOLER GASKET	1
6400009	-6 ORB TO SAE STRAIGHT THREAD CONNECTOR	2
6502140	CAN-AM OIL COOLER HOSE BRACKET	1
6502157	CAN-AM OIL COOLER HOSE CLAMP	1
6200060	1/4-20 X 3/4" HEX HEAD SCREW	1
6200078	1/4-20 X 1/4" HEX HEAD SCREW	1
6200141	1/4" ZINC PLATED WASHER	12
6200079	1/4" NYLON INSERT LOCK NUT	6
6502373	CAN-AM OIL COOLER CAGE CLAMP	2
6200080	1/4-20 X 1 1/2" SOCKET HEX HEAD SCREW	4
6200081	1/4-20 X 7/SOCKET HEAD SCREW	4
6200082	1/4-20 X 1 1/2" HEX HEAD SCREW - PARTIALLY TREADED	1
6200255	14 1/2" CABLE TIE	5
6200085	1/4" ID X 1/2" OD RUBBER TUBE	3
6200053	M6 X 1.0 X 60MM HEAD TORX FLANGE BOLT	4
6200256	1/4" ID X 1/2" OD ALUMINUM SPACER	1
90201068 OR 90201077	HOSE PACK	1

INSTALLATION STEPS:

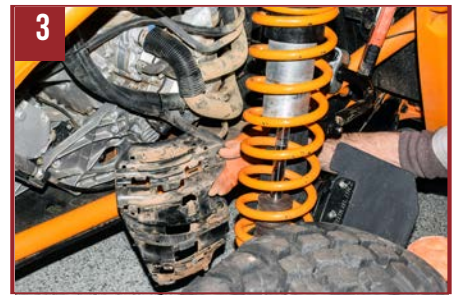
Step. 1 Locate the mud guard in the passenger side rear wheel well. Remove the (2) screws to remove the mud guard. Set aside.



Step. 2 Carefully clip the zip ties off of the hoses shown, there were a total of 12 on ours. Once the zip ties are removed wiggle the hoses loose.



Step. 3 Remove the (2) bolts securing the second plastic cover guard (under the hoses), remove the cover. Set aside.





Step. 4 You can use a large zip-tie or bungee to secure the loose hoses up out of the way so you can access the oil cooler.

Step. 5 Remove the (4) screws retaining the oil cooler. Remove the oil cooler over a drain pan.

Clean and dry the mounting surface and gasket(s) on the engine and the top of the oil cooler.



Step. 6 Find the supplied oil cooler gasket and replace the OE gasket after cleaning the surfaces.





Step. 6 Find the Oil Cooler Sandwich Plate and the (2) two -6 ORB Straight Threaded Connectors. Install the connectors to the Sandwich Plate with the o-ring side toward the plate. Tighten.



Step. 7 After cleaning the top of the oil cooler, install the (3) three supplied smaller o-rings and (1) one larger o-ring to the Oil Cooler Sandwich Plate in the appropriate grooves. Find the proper orientation to place the plate on the top of the oil cooler as shown.



Step. 8 Place the (4) four supplied Long M6 screws through the aligned holes and reinstall the oil cooler sandwich plate assembly onto the engine. Tighten screws.





Step. 9 Locate the plastic tray towards the top right of the oil cooler above the exhaust tube. Use your drill and 1/4" drill bit to carefully drill a hole in the corner of the tray, leave enough room so it will be a secure fit for the hose guide.

Step 10. Find the provided hose clamp hardware. Preassemble the hose bracket portion as shown for your application. Leave the fitting loose.



Step. 11 Use two of the supplied washers, the 3/4" screw and lock nut to mount the hose retaining bracket to the hole that was drilled into the tray.



HORIZONTAL COOLER INSTALLATION

NOTE: If you ordered this kit you will have (4) four extra nuts and bolts left after completion.



Step. H-1 Find the air-to-oil-cooler, the oil cooler brackets, (4) four 7/8" screws, (8) eight washers and (4) four nuts. Install both of the braces as shown. Tighten all the hardware.



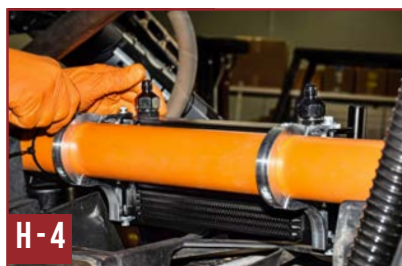
Step. H-2 Find the (2) Port Reducers. Install the adapters onto the air-to-oil cooler. *NO TAPE IS NECESSARY* Tighten the fittings.



Step. H-3 Find the (4) four 3/4" long socket head cap screws and the two Air to Oil Cooler Cage Clamps.



Step. H-4 Line up the air-to-oil cooler on the rear roll bar with the cooler on the outside of the bar and the fittings facing up as shown. Install the oil cooler on the outside of the back bar with the fittings facing upward. **DO NOT FULLY TIGHTEN.**



Step. H-5 Loosely attach the 90° fitting of the short hose to the passenger side fitting on the air to oil cooler. Run the hose down under the cargo tray as shown. **DO NOT FULLY TIGHTEN.**



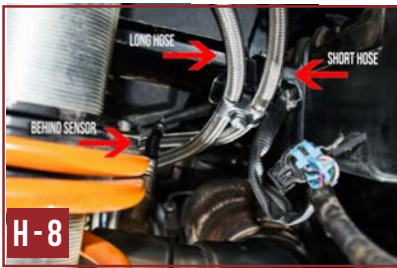
Step. H-6 Run the short hose on the front side of the hose retaining bracket down to the cooler. **BE SURE TO RUN THE HOSE BEHIND THE SENSOR AS SHOWN.**



Step. H-7 Loosely install the short hose running it through the front side of the hose retaining bracket. Connect to "Oil Out" (↑) on the oil cooler.



Step. H-8 Loosely install the long hose following the short hose running it through the back side of the hose retaining bracket. Connect to "Oil In" (↓) on the oil cooler. Pull all the lines snug making sure they are clear from obstructions. Tighten all hose fittings and the hose clamp.



Step. H-8 This is what the hose retaining clamp should look like upon completion.

Step. H-9 There are three spacers included to help protect your hoses. If you see any place that might potentially rub together, use a spacer to prevent damage.

H-9 IS AN EXAMPLE OF AN INSTALLED SPACER.



- Make sure all connections are tight.
- Carefully cut the zip-ties used to hold the hoses out of the way and replace all the zip-ties removed on the plastic hose retainer.
- Refill your system and prime. Check your oil and coolant levels to ensure they are filled to the proper levels.

VERTICAL COOLER INSTALLATION

NOTE: If you ordered this kit you will have FOUR EXTRA washers upon completion.

Step. V-1 Find the Air Cooler, the (2) two billet Air Cooler Brackets and (8) eight each of washers, screws and nuts.

Install the brackets as shown on the oil cooler holes making sure the screws are tightened.



Step. V-2 Install the (2) Port Reducer Fittings onto the oil cooler. *NO TAPE IS NECESSARY* Tighten.



Step. V-3 Find the (4) four 3/4" long socket head cap screws and the two Air Cooler Cage Clamps.





Step. V-4 Install the oil cooler to the back bar on the passenger side as shown - leave the brackets loose for now.

Step. V-5 Take the long hose and attach it to the top fitting on the oil cooler - leave the fitting loose



Step. V-6 Route the hose through the front position of the hose clamp fitting.



Step. V-7 Attach the long hose to the "Oil In" (↓) port on the oil cooler adapter. Leave slightly loose.



Step. V-8 Attach the short hose to the lower fitting and follow the long hose route.



Step. V-9 Guide the short hose through the front hose clamp then to the oil cooler.

NOTE: Make sure both hoses run behind the sensor shown in V-9.

NOTE: Hoses will need to cross each other.

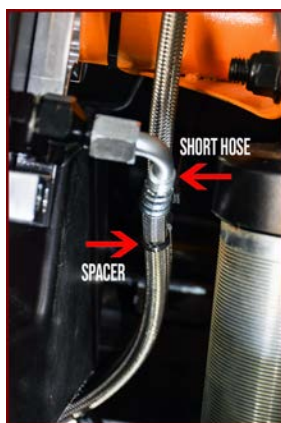


V - 10 Attach the short hose to the "Oil Out" (↑) port on the oil cooler adapter. Leave slightly loose.

NOTE:

Make sure none of the hoses are rubbing on anything and fit snugly as directed. Adjust where the oil cooler is if necessary. Tighten all the screws on the oil cooler, hose bracket and oil lines (*USE TWO WRENCHES TO ENSURE THE HOSES ARE TIGHT) once they are seated properly. *CHECK ALL OIL HOSE CONNECTIONS*

V - 11 Find the provided spacer and zip tie. Install the spacer about 1.5-2 inches below the crimps on the fitting of the short hose. This will prevent the hoses from rubbing.



- Make sure all connections are tight.
- Carefully cut the zip-ties used to hold the hoses out of the way and replace all the zip-ties removed on the plastic hose retainer.
- Refill your system and prime. Check your oil and coolant levels to ensure they are filled to the proper levels.



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