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INSTALLATION MANUAL

AEROFLOW PERFORMANCE OIL COOLER

WARNING!

BEFORE PROCEEDING WITH INSTALLATION PLEASE READ INSTRUCTIONS CAREFULLY. THIS PRODUCT REQUIRES DETAILED KNOWLEDGE OF AUTOMOTIVE SYSTEMS. WE RECOMMEND THAT THIS INSTALLATION BE CARRIED OUT BY A QUALIFIED AUTOMOTIVE TECHNICIAN.

INTRODUCTION

Congratulations on your purchase of Aeroflow Performance universal oil cooler. Aeroflow Performance products cannot and will not be responsible for any damage, or other conditions resulting from misapplication of the parts described herein. However, it is our intention to provide the best possible products for our customer, products that perform properly and satisfy your expectations. Should you have any questions? Please call technical support at +61 2 8825 1900 and have the product part number on hand when calling.

This product is for use with a sandwich plate or block adaptor that incorporates a remote oil filter. It is designed for universal applications. It is anodised in a black finish. Both inlet and outlet ports are female -10AN O-ring. The dimensions of this oil cooler are: Length = 330mm (13"), Depth = 51mm (2") and height is 123mm (4-27/32").

This oil cooler is a stack plate (modular style) cooler and features 16 rows that are fully brazed on all contact surfaces inside and outside. Furthermore they have also have a brazed seam that can withstand vibrations and pulsations in all types of applications. This Aeroflow Performance cooler will help protect your engine and engine oil from overheating but it cannot correct a faulty or worn engine.

We recommend to run a Aeroflow Performance oil thermostat in-line (sold separately AF64-4111 or AF64-4112) to accompany this oil cooler. This oil thermostat will help maintain proper oil temperatures required in today's high performance vehicles outfitted with this oil cooler.

These coolers can be used for any purpose for cooling any oil required from engine oil, transmission oil and hydraulic systems. The max working pressure is 145 psi (10 Bar) and the burst pressure is 362 psi (25 Bar).

When mounting this product ensure to clean out inside of the cooler and that it is free of any aluminium chips or burrs that could become dislodged in operation. We recommend the use of the Aeroflow Performance oil cooler mounting kit (sold separately AF72-4000) when using any oil cooler. This will provide a solid and stable mounting platform to secure the cooler in place when in use.

When selecting the best location for the oil cooler.

- I. Make sure the oil cooler has sufficient ground clearance to avoid anything that could piece the oil cooler from road debris or road surface contact.
- II. This cooler relies on air flow for heat transfer and requires a location which will receive maximum air flow.
- III. If mounting in front of radiator or condenser care should be taken to mount the cooler at least ¼", the mounting should be rigid and should never allow the cooler to contact either the radiator or condenser.
- IV. Ensure the oil cooler has a clear path for air to flow through cooler itself to allow the cooler to correctly function. If this is not possible add a fan to do the job or purchase the Aeroflow Performance competition oil cooler (AF72-6000, AF72-6001)
- V. The oil cooler can be mounted vertically and horizontally for your convenience. Also oil may flow in and out in either of the ports.
- VI. Always utilizing all mounting points when mounting this oil cooler to ensure it does not dislodge during use.

When installation is complete, test procedure as follows:

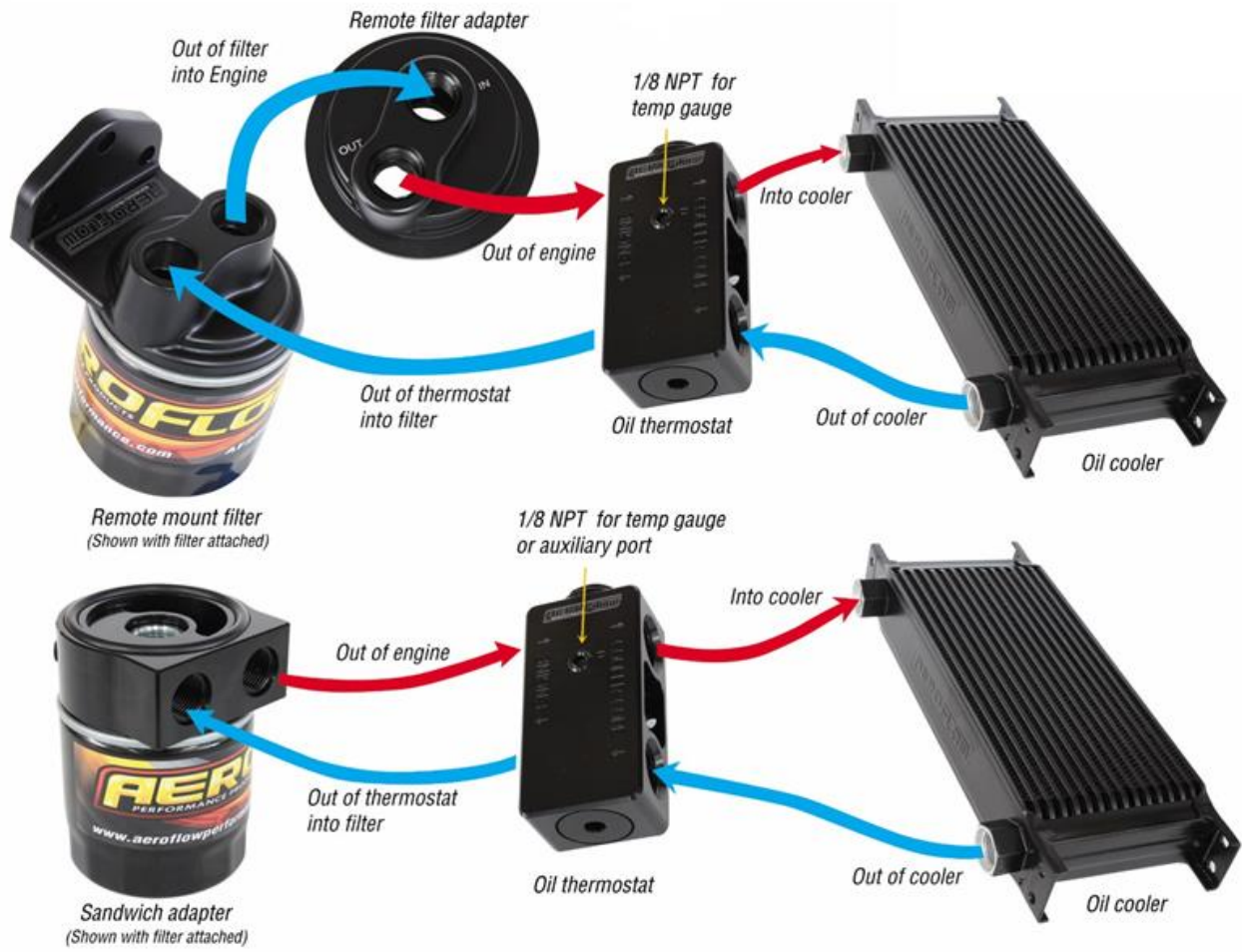
- a) Start engine; immediately check for oil pressure. If there is no oil pressure turn off the engine and look for problem.
- b) Shut off engine after oil pressure is established, check for leaks and check the oil level.
- c) Add oil as necessary, but do not overfill.
- d) Restart the engine and allow the vehicle to idle for 10 minutes
- e) Recheck for leaks.
- f) Feel both ends of the oil cooler. Both ends should feel warm. If the cooler is cold, lack of oil flow due to a kinked hose may be the problem.



For more information or technical enquires

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