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INSTALLATION MANUAL

AEROFLOW PERFORMANCE

COMPETITION OIL & TRANSMISSION COOLER WITH FAN

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 competition oil and transmission cooler with fan and thermostat. 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 products inlet and outlet are 1/2" NPT fittings (**NOTE:** we recommend to use thread sealer on these fittings). The thermal switch attached turns the fan on at 75.5°C (175F) and has a M18 x 1.5mm thread.

The following parts are also sold separately:

Competition oil cooler core with 1/2" NPT ports AF59-6006

Competition oil cooler core with -10 ORB ports AF59-6007

Temperature Switch AF59-6000

Temperature switch wire loom AF59-6001

7" fan AF59-6002

The dimensions are 254mm (10") x 190.5mm (7.5") x 88.9mm (3-1/2").

To change the airflow direction from the factory setting or to a PULLER follow the following steps:

1. Remove the Nut that holds the electric fan blade onto the motor shaft.
 - I. Note: this is left hand (reverse) thread nut.
2. Carefully remove the fan blade from the motor shaft. This is an interference fit and requires some effort.
3. Flip the fan blade upside down and reinstall onto the motor shaft. Make sure the roll pin on the motor shaft is aligned with the slot on the fan blade.
4. Reinstall nut on motor shaft. For Pusher applications the two wires **MUST** be reversed to change airflow direction.

For more information or technical enquires

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STEP 1:

Decide on the best mounting position for your cooler. Don't mount this cooler to the chassis or frame rails that may flex during vehicle operation as this may result in leaks or failure.

- I. Rubber isolation mounts are recommended for mounting cooler
- II. Ensure cooler is not mounted near any extreme heat sources i.e., exhausts manifold etc.
- III. Improper positioning of the cooler and thermal switch may result in oil temperatures that affect the fan on/off switching points. Recommend to insulate the switch, if possible, in areas of heavy air flow or extreme heat.

STEP 2:

Wire the thermal switch and fan. Verify that the fan pulls air through the cooler. If it doesn't reverse polarity.

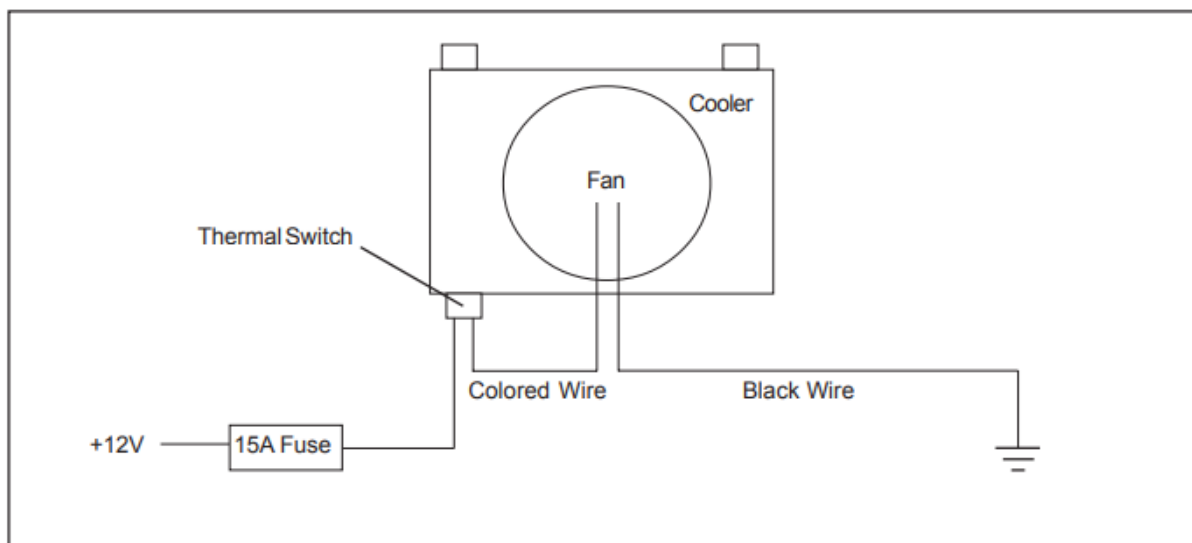
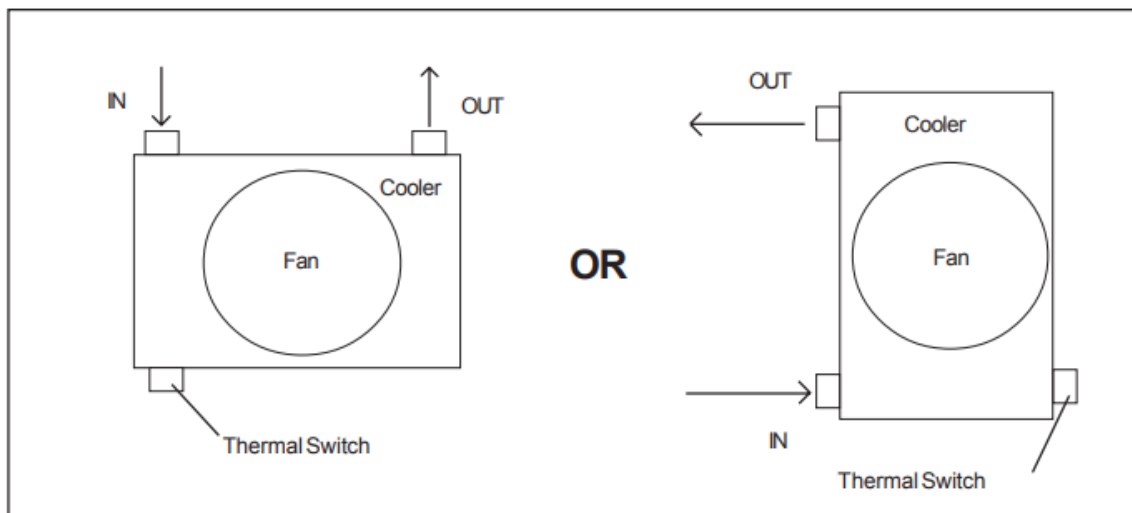
- I. To prevent fan motor damage the maximum current draw should be protected with an in-line 15A fuse

STEP 3:

After installation, check oil levels and fill as necessary. For engine oil, start the engine and allow it to idle for a few minutes. Turn the engine off and then after a few minutes check the oil level again and fill as required. For automatic transmission oil, apply the parking brake, start the engine and place the shifter in the park position. The automatic transmission fluid level must be checked with the engine running and the fluid hot.

STEP 4:

Check all of the hoses and fittings for leaks. Secure the hoses so that they won't be damaged by road debris or other hazards.



AF59-6000



AF59-6001



AF59-6002



AF59-6007



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