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INSTALLATION MANUAL

AEROFLOW PERFORMANCE REMOTE FILTER HEAD WITH IN-BUILT THERMOSTAT

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 billet remote filter head with in-built oil 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 product is designed to sit in line with an oil cooler and combines the oil filter and oil thermostat in one convenient unit. This thermostat helps maintain the engine oil temperature by holding the oil until it reaches operating temperature of 180°F (82°C) and then opens up to allow full flow to the oil cooler. It will self-adjust flow according to the oil temperature to maintain a constant operating oil temperature just like a coolant thermostat would operate.

To run this product correctly a block head adaptor must be installed onto engine to allow the lines to run to this thermostat/remote filter head and the external oil cooler. Use Aeroflow Performance products such as AF64-2076 or AF64-2098.

This remote filter head and thermostat is anodised black finish. Both inlet and outlet ports are female -10AN O-ring. It also includes two 1/8" NPT port for auxiliary purposes.

This product has a 3/4"-16 filter thread insert supplied with kit. Can also be purchased separately (AF59-2075). Oil filters designed to work with this product are:

1. AF2296-3001 (RYCO Z9) large oil filter with internal bypass.
2. AF2296-2008 (RYCO Z145A) small oil filter with no internal bypass.

Other oil filters may be used if the sealing O-ring on the filters provided above have the same inner and outer dimensions to allow the oil filter to seal.

MOUNTING

1. Select the best location for the remote filter head and oil thermostat assembly.
 - I. **NOTE:** make sure the thermostat has sufficient ground clearance to avoid anything that could interfere with the lines and fittings or the oil filter itself
 - II. **NOTE:** the oil thermostat can be mounted vertically and horizontally for your convenience
 - III. **NOTE:** make sure the oil filter is in a convenient and easy to get to spot so that it can easily be accessed for future services.
2. Using the thermostat mounting holes place a piece of paper over the top and mark out the position of the mounting holes. Then transfer this piece of paper onto the car with a scribe or grease pen.
 - I. Ensure to use all three mounting holes to secure assembly

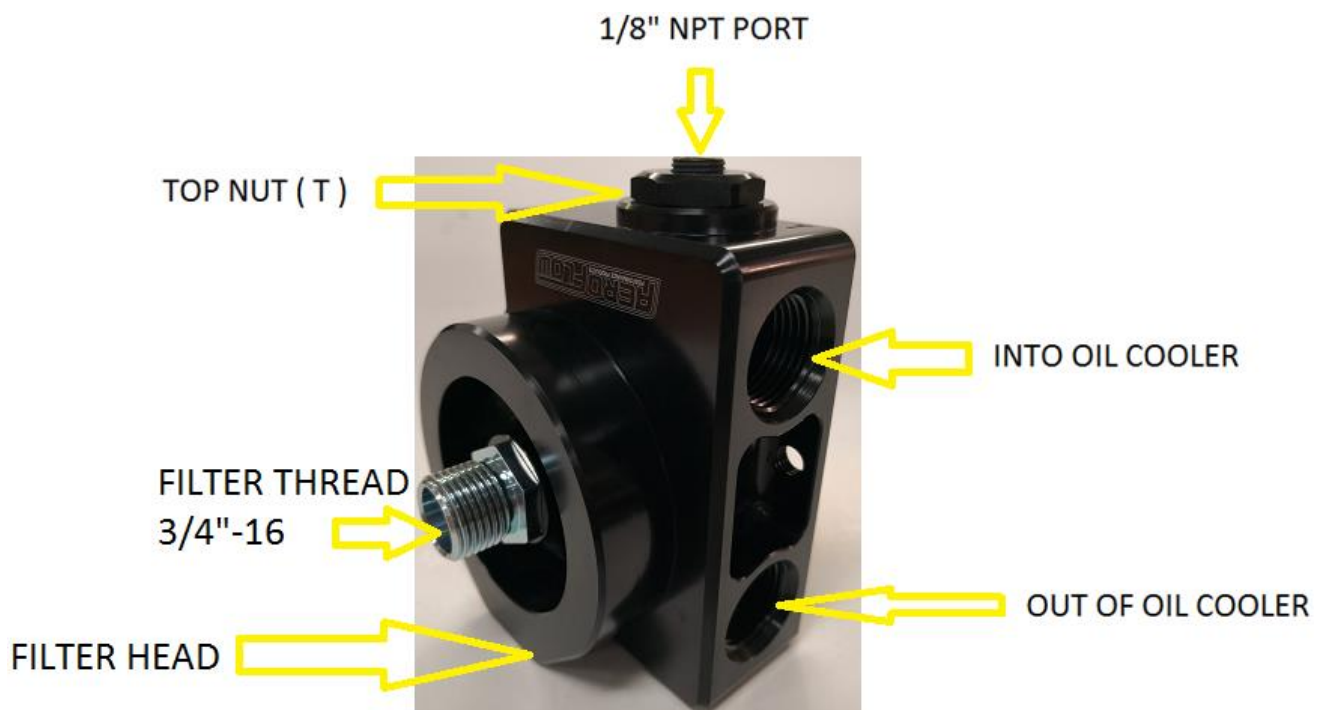
3. Drill and tap the three M8 x 1.25mm onto the position and bolt the assembly using the appropriate hardware to secure it into position.
 - I. Ensure to clean out thermostat and it is free of any aluminium chips or burrs that could become dislodged in operation.

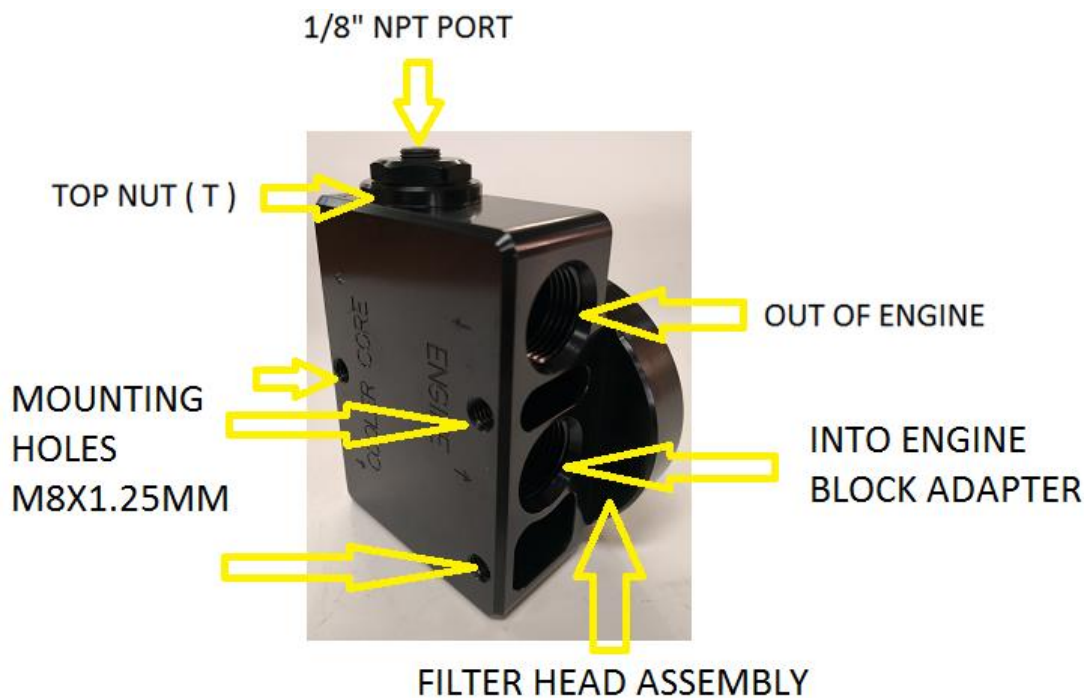
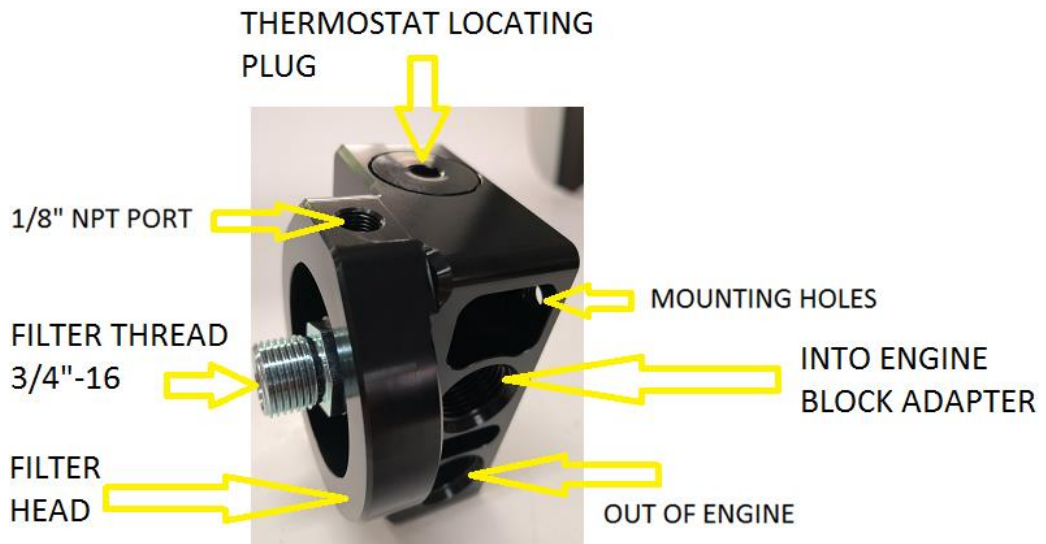
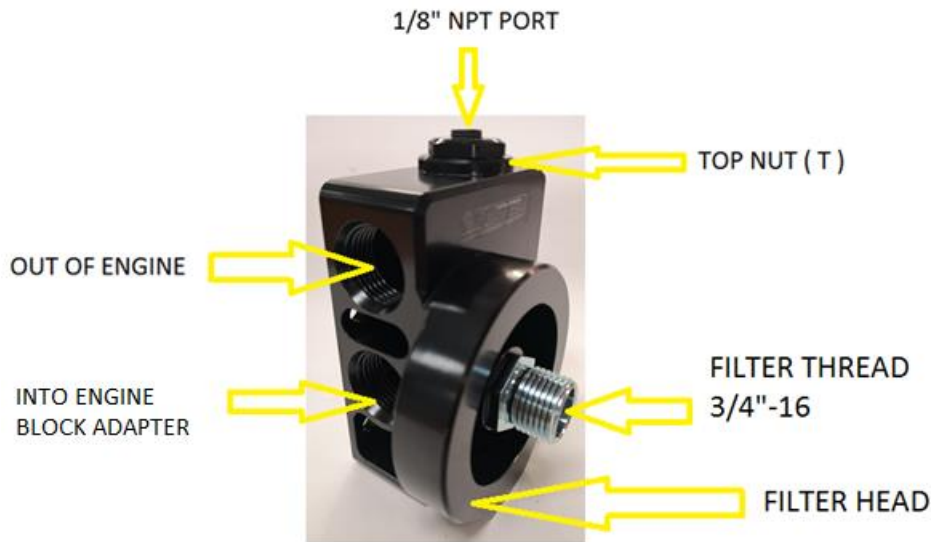
INSTALLATION

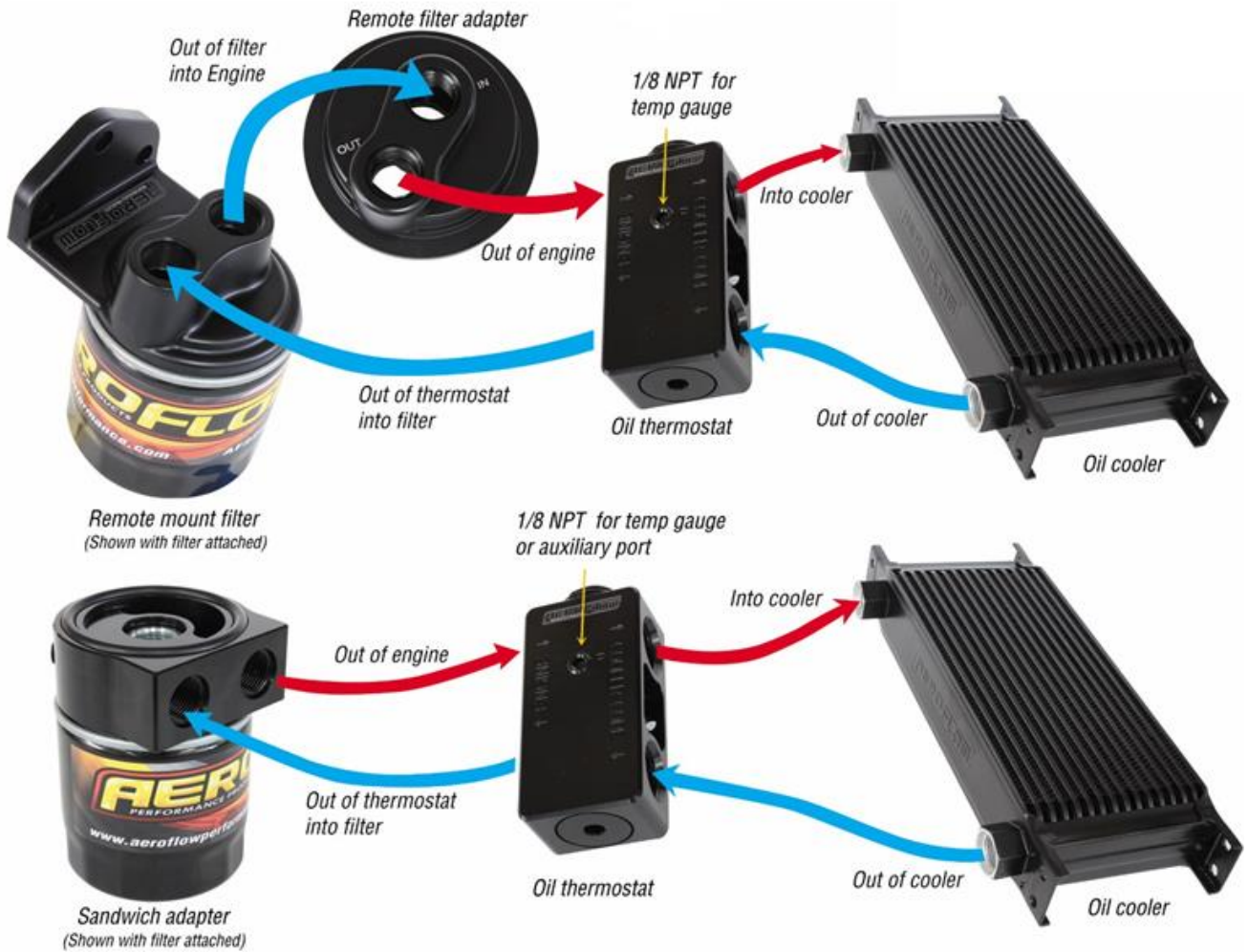
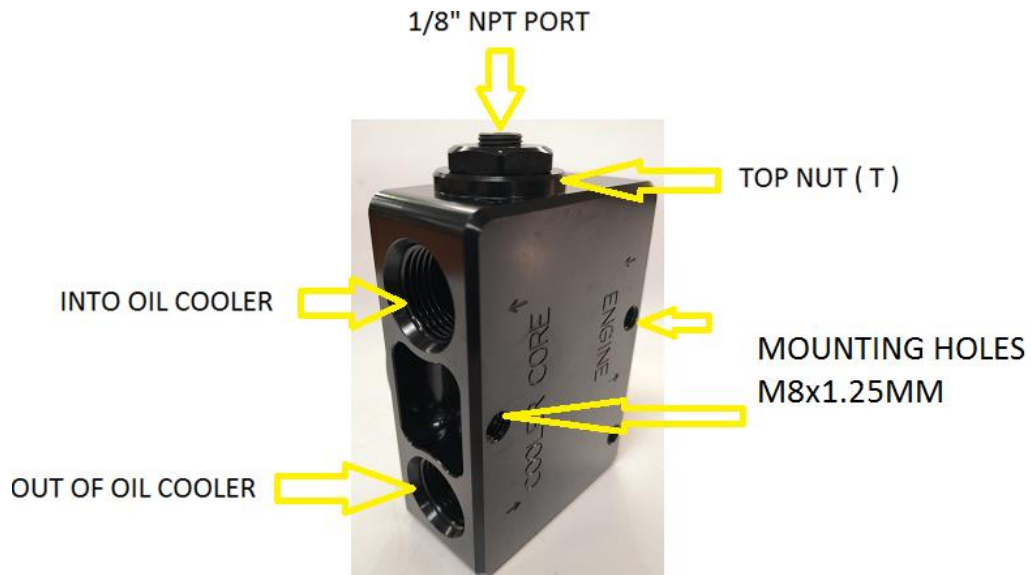
1. Drain engine oil from vehicle when installing this product. A complete oil change is not necessary for this install but it is recommended if the oil has not been changed in within 5000 kilometres.
2. Install appropriate block adaptor to vehicle engine block.
3. Install appropriate oil cooler to vehicle.
4. Using appropriate fittings and lines plump up this filter head assembly in-line between the oil cooler and the block adaptor.
 - I. Ensure lines are plumped up correctly as per diagram provided or thermostat will work incorrectly
 - II. All -10AN O-rings ports are marked for your convenience.
5. Once filter head assembly is plumbed into oil system, add new oil to engine. Start engine and check for oil pressure via the dash light or gauge.
 - I. **WARNING:** if no oil pressure is built up in 5 seconds turn engine off immediately to avoid any damage to engine components.
6. Let the engine idle for five minutes once oil pressure has been established. Check all connections for oil leakage while engine is running. Turn engine off and check oil level on dipstick. Oil level may indicate "low" because of oil required to fill new hoses. Add additional oil to full line on dipstick.

REPLACING THERMOSTAT

1. Replacement thermostat part number is AF59-4111. This product is sold seperatley.
2. Drain engine oil from vehicle.
3. Remove all fitting and lines connected to filter head assembly
4. Remove filter head assembly from vehicle and place into a vice with vice jaws to protect the billet.
5. Undo top nut that is marked (T) on thermostat. Carefully lift out spring and thermostat assembly.
6. Place new thermostat into the housing and ensure it is in position at the bottom via the locating nut on the bottom.
7. Return spring and top nut back onto thermostat housing. Ensure spring is placed back in the same way it was removed.
8. Reinstall thermostat to vehicle along with all lines and fittings.
9. Refill or top up engine oil and start vehicle checking the connections for oil leakage while it is running. Turn engine off and check oil level on dipstick and top up if required.







For more information or technical enquires

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