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# INSTALLATION MANUAL

## AEROFLOW PERFORMANCE

### OIL 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 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. 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 sandwich plate adaptor or block head adaptor must be installed onto engine to allow the lines to run to the external oil cooler. Use Aeroflow Performance products such as AF64-2108 oil cooler sandwich plate, AF64-2060 sandwich adaptor or AF30-4000 oil cooler line kit.

This 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.

### MOUNTING

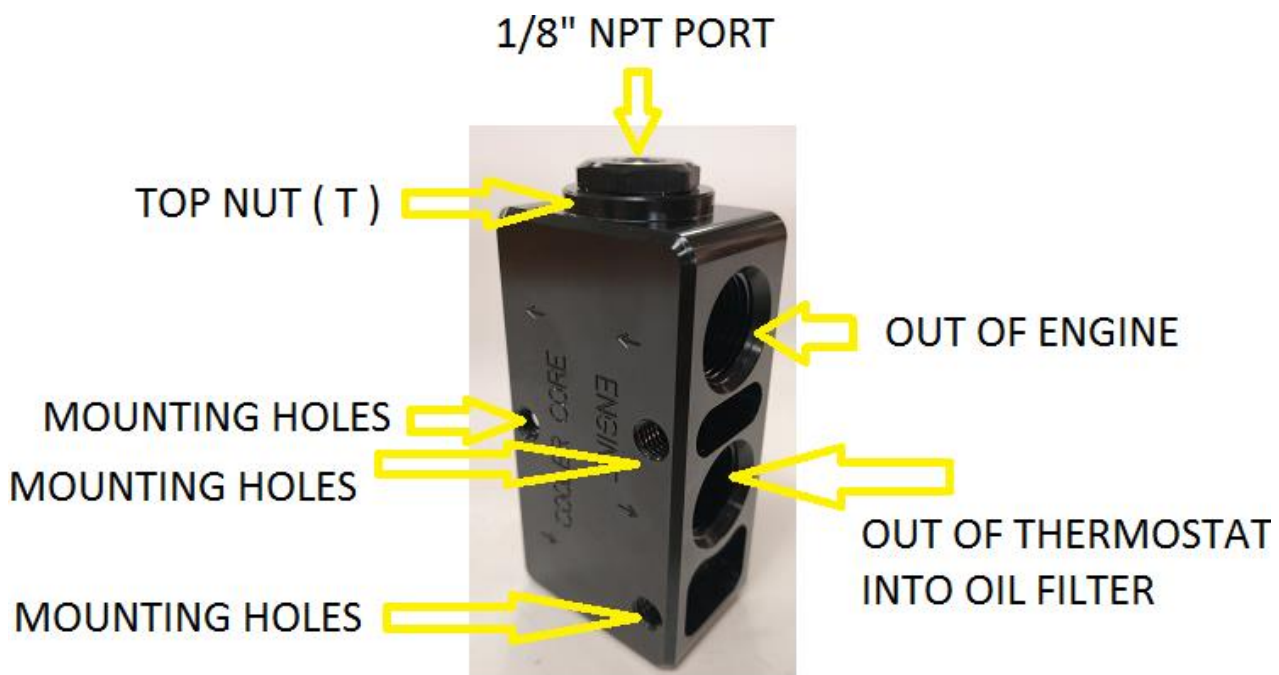
1. Select the best location for the remote oil thermostat.
  - I. **NOTE:** make sure the thermostat has sufficient ground clearance to avoid anything that could interfere with the lines and fittings.
  - II. **NOTE:** the oil thermostat can be mounted vertically and horizontally for your convenience
2. Using the thermostat 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 thermostat
3. Drill and tap the three M8 x 1.25mm onto the position and bolt the thermostat 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.

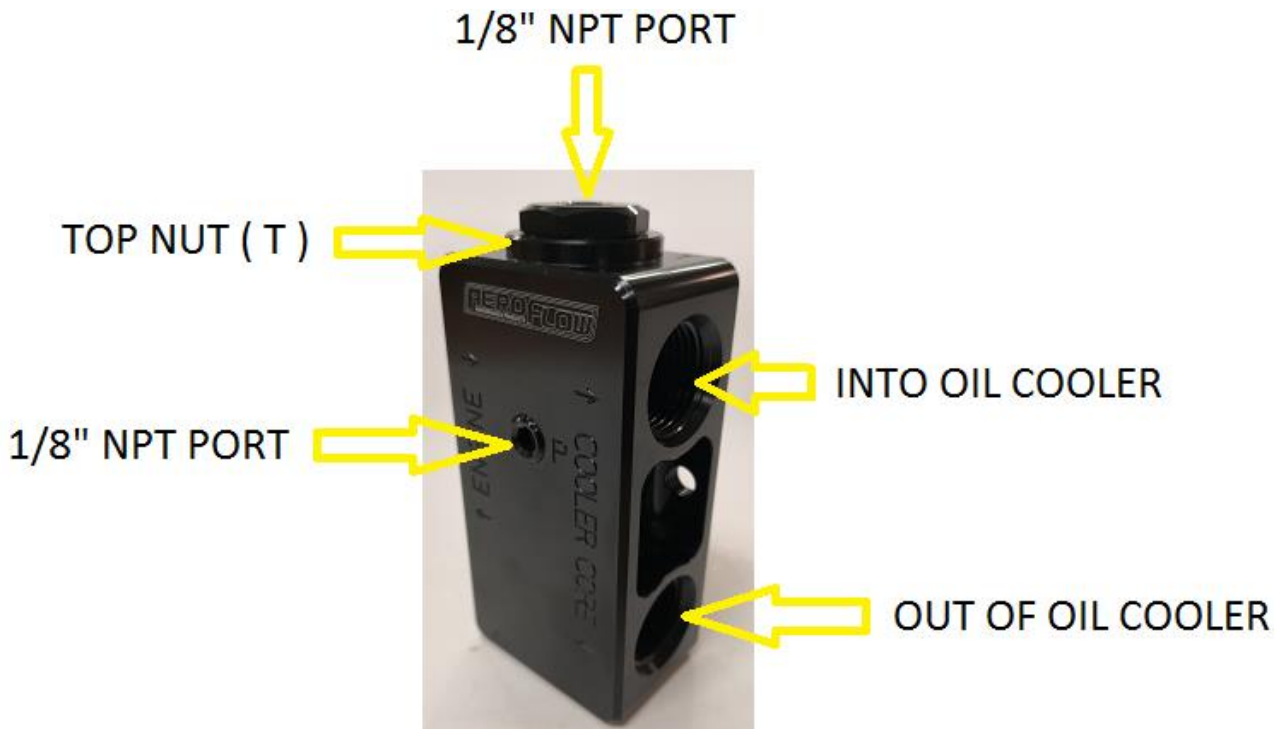
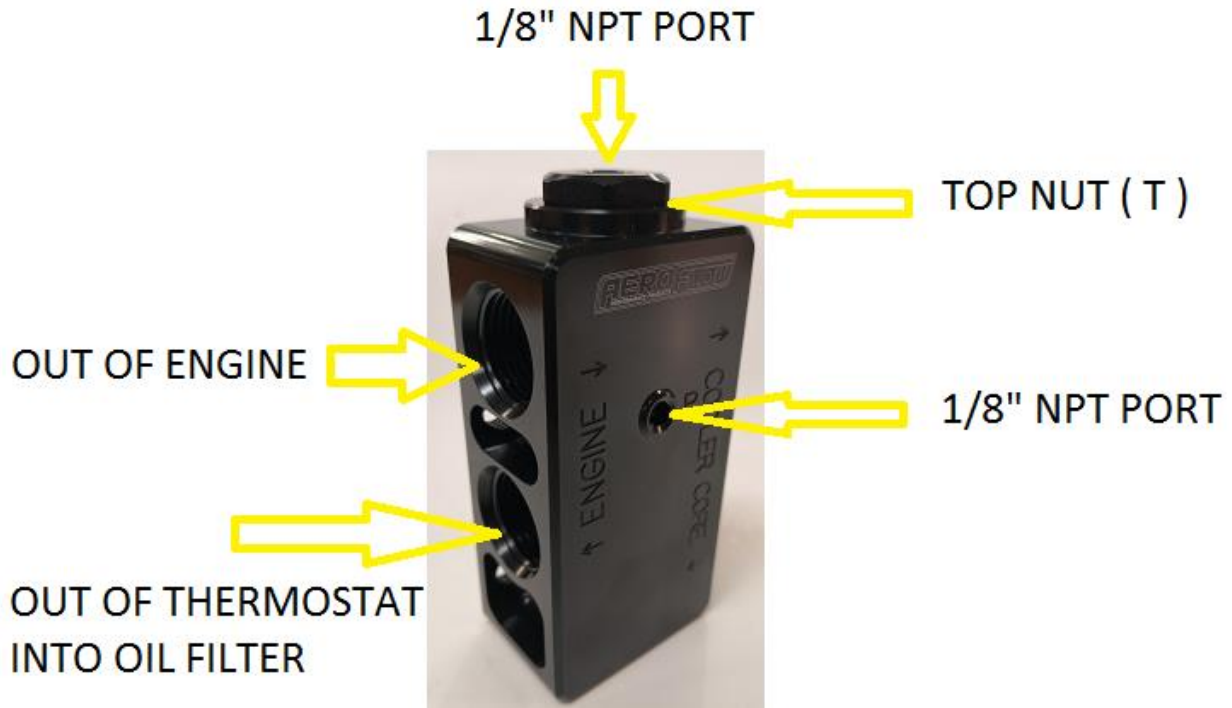
## INSTALLATION

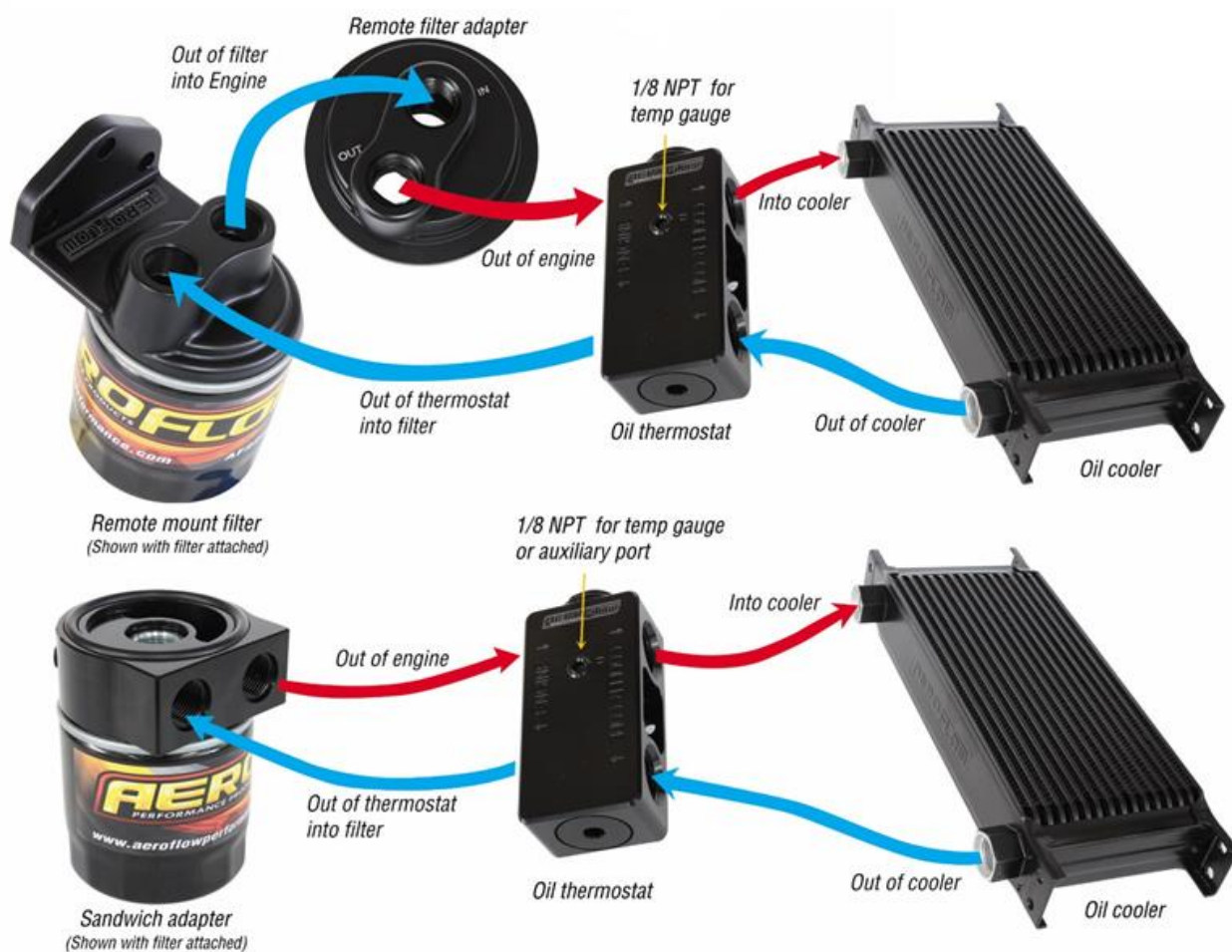
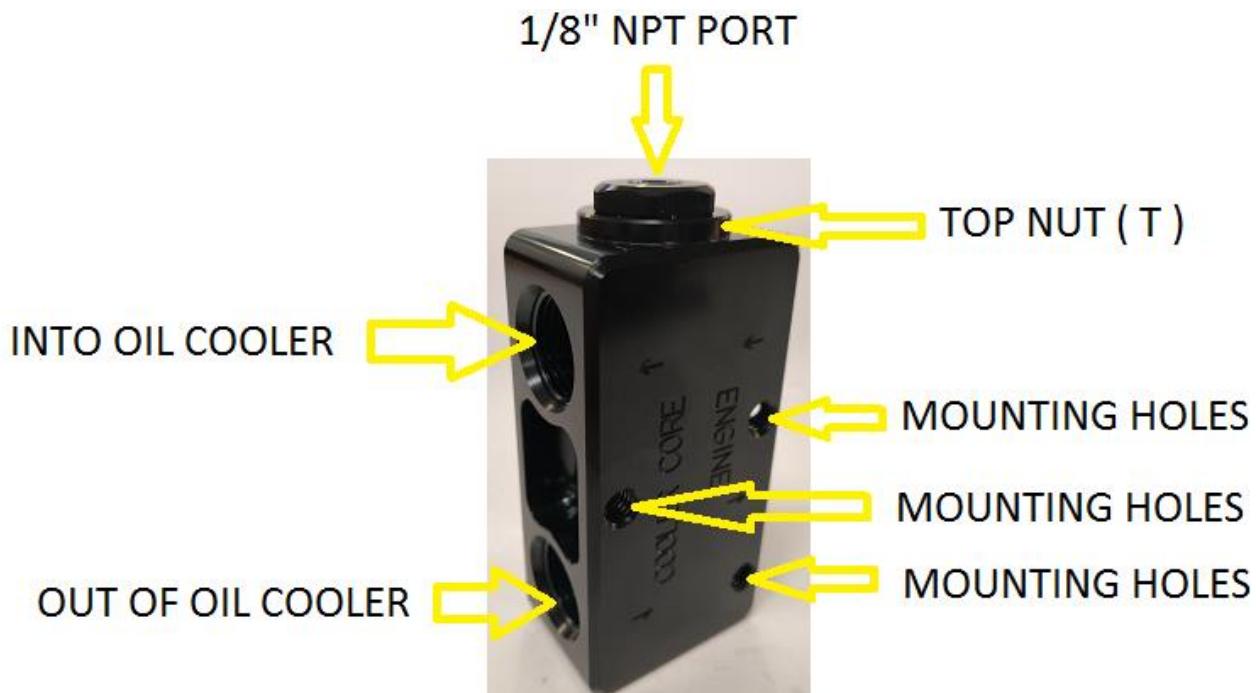
1. Drain engine oil from vehicle when installing this product. A complete oil change is not necessary for this install but it is recommended if the oil has not been changed in within 5000 kilometres.
2. Install appropriate sandwich plate or block adaptor to vehicle.
3. Install appropriate oil cooler to vehicle.
4. Using appropriate fittings and lines plump up this thermostat in-line between the oil cooler and either sandwich plate or 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 thermostat 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 thermostat
4. Remove thermostat 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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