



## INSTALLATION MANUAL

### Remote Oil Filter Head w/Thermostat

PFEOS-OB2040

Included Items	QTY
Remote Oil Filter Head Thermostat	1
PFEOS-OB2100 3/4"-16 Thread Insert	1

**WARNING:** PLEASE READ ALL INSTRUCTIONS BEFORE PROCEEDING. PROFLOW WILL NOT BE RESPONSIBLE FOR ANY DAMAGE AS A RESULT OF THE INCORRECT INSTALLATION OF THIS PRODUCT. IT IS RECOMMENDED THAT A QUALIFIED AUTOMOTIVE TECHNICIAN PERFORMS THIS INSTALLATION.

This billet aluminium remote filter head is designed to sit in-line with an oil cooler and combines the oil filter and oil thermostat into one compact unit, reducing the number of fittings and hose lines you will need. It helps to maintain engine oil temperatures by holding the oil until it reaches working temperatures of 82°C, for which it allows oil to flow to the oil cooler. It opens and closes depending upon temperatures in an aim to maintain proper engine operating conditions. It has a 3/4"-16 thread to suit a variety of filters, 4x AN10 ORB ports and 2x 1/8" NPT ports for accessories.

A block adaptor will have to be fitted to the engine to allow lines to be plumbed to this unit from the engine block (sold separately). Under no circumstances can the thermostat fail in such a way that oil flow to the engine is blocked.

### TYPICAL INSTALLATION

1. Select a suitable location to mount the remote filter head and oil thermostat unit. Ensure there is sufficient clearance for a filter and fittings/hose to be plumbed.
2. Using the thermostat mounting holes as a template, fasten the unit using the 3x M8x1.25mm bolt holes on the thermostat with the appropriate hardware.
3. Ensure the thermostat is clean of all aluminium chips and other debris.
4. Drain the oil from the engine following the vehicles factory service manual.
5. Install the appropriate block adaptor to the engine (sold separately). Install an engine oil cooler to the vehicle (sold separately).
6. Plumb the thermostat assembly between the oil cooler and the engine block adaptor using the appropriate fittings and hose. All ports are labelled for ease of plumbing and are tapped for AN10 ORB fittings.
7. Install the supplied 3/4"-16 insert into the thermostat unit with threadlocker. Install a new engine oil filter onto this insert and tighten.
8. There is an accessory 1/8" NPT port on the thermostat nut. If this port is not in use, block with the supplied plug using thread sealant.

9. Add new engine oil to the vehicle and start the engine to check for correct oil pressure via a gauge.

**WARNING:** If no oil pressure is built-up within 5 seconds, turn the engine off completely to avoid any internal component damage.

10. Let the engine idle for 5-10 minutes once oil pressure is established and check all connections and components for oil leaks.
11. Turn the engine off and check the oil level dipstick. The dipstick may read low as the new hose connections are filled up with oil. Add additional fluid to the vehicle as required.

## THERMOSTAT MAINTENANCE

The following steps show how to replace or inspect the thermostat in a case of a fault:

1. Drain all engine oil from the vehicle.
2. Remove all lines, hoses and filters plumbed to the thermostat unit.
3. Undo the large, flush fit thermostat access nut. Carefully lift out the spring and thermostat assembly.
4. Repeat these steps backwards when reinstalling on the vehicle.

