

Installation Manual

N54, N55 & S55

MOSSELMAN
TURBO SYSTEMS



Version: 210721

Installation manual for BMW models:

- N54
- N55
- S55

This installation manual is intended to help represent individual steps for proper installation and use. The actual steps for your BMW model can slightly different from this manual.

* The Oil Thermostat installation kit, including a new rubber gasket and o-rings is optional.

Content of the Box

- MSL Oil Thermostat
- Optional: Installation hardware



Before starting the installation of this product, please read this installation manual carefully to prevent possible damage or injuries.

1

Preparing for Installation

1. Tools recommended for installation:
 - Screwdriver set
 - Socket set
 - T20, T25, T50 torx
 - Receptacle for oil / Paper towels
2. Find a suitable place for installation, preferably inside. Beware that during the installation there may leak oil on the floor.
3. Prepare an empty space to place the parts that you temporarily have to remove from your engine bay. Once installation is finished, this makes it easy to confirm visually that all removed parts made their way back into the engine bay.
4. Do not make any changes or modifications to the MSL Oil Thermostat.
5. The engine can get extremely hot during and after it has been used. **Make sure not to touch the engine until it is completely cool.** Allow the engine to cool down before beginning installation.
6. Open the hood, make sure the ignition is switched off, then remove the key and close the doors. Now wait 5 minutes before starting installation, this ensures the car has gone into sleep mode.



3

Installation

3.1 Prepare the car.

- Find a suitable place for the installation.
- Open the hood of the car.



3

Installation

3.2 Air duct.

- Remove both screws (F2.1).



3

Installation

3.3 Air duct.

- Remove the air duct (F3.1).



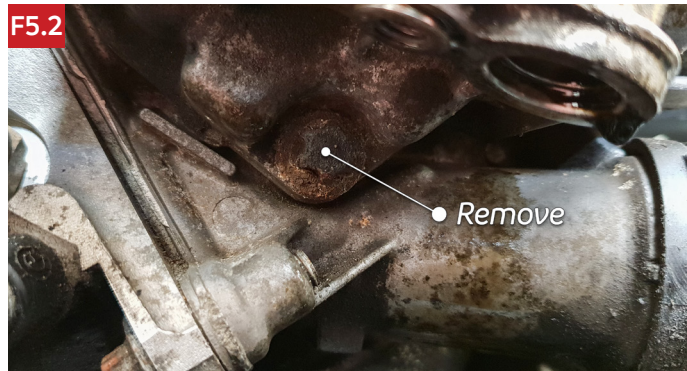
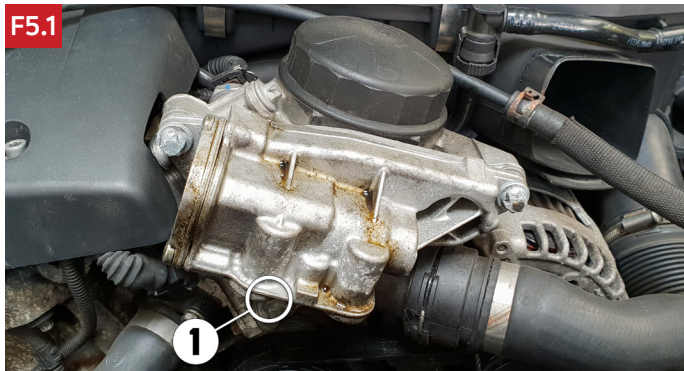
3.4 Oil Thermostat.

- Loosen the bolt from the oil lines (F4.1).
- Remove the oil lines (F4.2). Beware: oil may leak out from the oil lines.



3.5 Oil Thermostat.

- Remove the bolt (1), shown in F5.1 and F5.2.

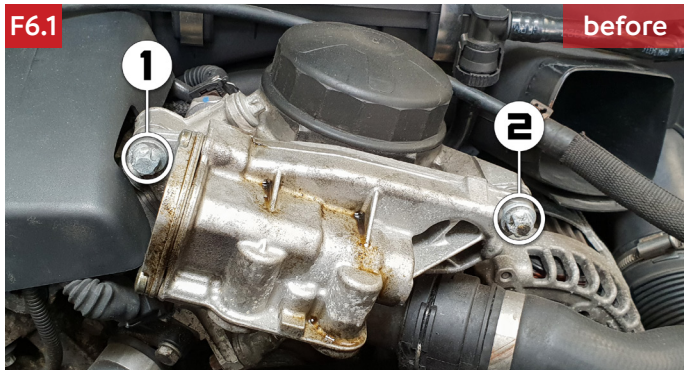


3

Installation

3.6 Oil Thermostat.

- Remove both bolts (F6.1) and remove the oil thermostat. Beware: oil may leak out from the oil thermostat.
- Remove the rubber gasket (F6.2).



3.7 Place the MSL Oil Thermostat.

- Replace the old rubber gasket with a new gasket.
- Place the MSL Oil Thermostat (**F7.1**) and tighten the bolts with **18Nm** of torque.
- Reattach the oil hose (**F7.2**) and tighten the bolt:
 - The oil lines for the N54 thermostat should be tightened with **19 Nm** of torque.
 - The oil lines for the N55 and S55 thermostat should be tightened with **8 Nm** of torque.



3.8 Finish the installation.

- Remove the oil that have leaked into the engine bay (including the serpentine belt).
- Start the engine and check for possible leaks.
- Check the oil level (refill the oil if the level is to low).
- Reassemble the air duct or other parts that have been removed for the installation.

The MSL Oil Thermostat is installed.

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