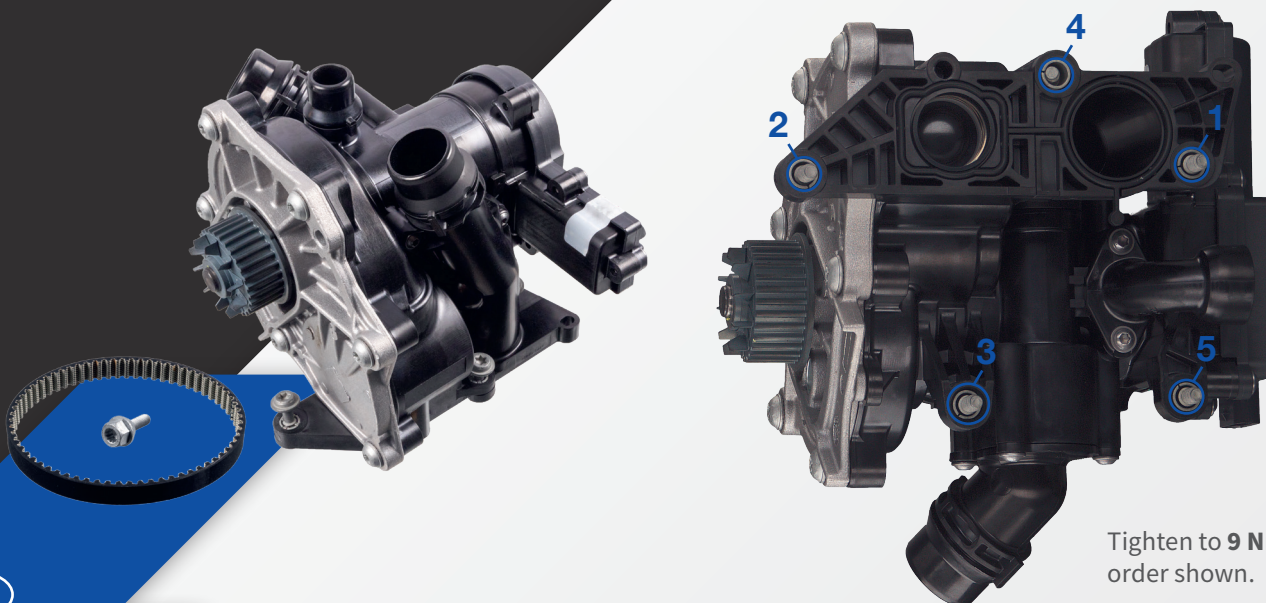


To fit: Various models in the VAG range fitted with 1.8 & 2.0 TFSI engines.



Tighten to **9 Nm** in the order shown.

Water Pump with Thermostat Housing

Problem

Intermittent overheating, temperature gauge displaying an incorrect reading, or a loss of coolant.

This water pump/thermostat module is located underneath the inlet manifold. There may be traces of either fresh (damp) or old (crystalised) coolant showing on the front of the engine and hoses.

A check engine light can sometimes appear in the instrument display.

Fault code 'P2181 – cooling system performance' may be present.

Cause

Hot and cold heat cycles can distort the sealing surfaces allowing coolant to leak from between the water pump and the thermostat module or from between the thermostat module and the engine block.

The internal rotary valves inside the thermostat module that alter the flow of coolant in the different cooling circuits can be restricted by a build-up of scale or sludge. This causes excessive strain on the drive motors which can lead to them overheating and failing.

Other contributing factors to the component failing include if the incorrect coolant has been used or if the coolant replacement schedule has not been followed correctly.

Solution

Investigate the area at the front of the engine for leaks. Follow the manufacturer's instructions for removal, making sure that the old gasket seals are not stuck to the engine block. Before refitting the new module, clean the gasket mating surfaces and surrounding areas thoroughly and renew the seals.

SWAG recommends that the coolant pipe between the thermostat and the oil cooler is also replaced (33 10 0257) as part of the repair.

The coolant should also be replaced as part of this repair.

Please see www.partsfinder.bilsteingroup.com for the recommended coolant.