

febi 172376



To fit: Various Volkswagen, Audi, SEAT and Škoda models equipped with a direct shift transmission



Thermostat for transmission oil cooler with seal rings

Problem

The coolant temperature fluctuates on vehicles equipped with a direct shift transmission and wet multi-plate clutch. This issue can occur when the engine is on overrun while travelling downhill or operating under a low engine load. In such cases, the coolant and engine oil temperatures can fall below their normal operating ranges.

Cause

The transmission oil thermostat that is installed on the engine side can be the cause of this fault. This thermostat regulates the transmission oil temperature through the vehicle's coolant circuit, and the transmission oil transfers the heat generated by the direct shift transmission to the coolant via a heat exchanger. If this thermostat malfunctions and sticks open, for example, the engine takes much longer to reach its normal operating temperature.

Solution

Use a suitable diagnostic tool to check the temperature data of the engine and transmission. Replace the faulty transmission oil cooler thermostat, ensuring the directional arrow on the new part is aligned in the correct direction. Bleed the cooling system of any air, road test the vehicle, then recheck coolant temperature data to ensure correct operation.



Fig 1: The thermostat is integrated into the flexible hose at the heat exchanger (under the air filter housing).

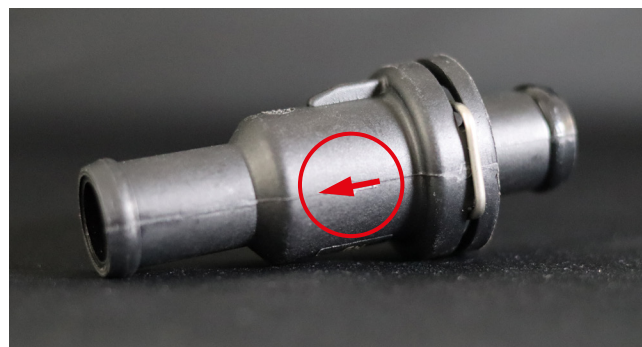


Fig 2: Important when replacing the thermostat: note the installation direction (arrow).

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