



VW Golf 7 - engine temperature rises quickly

Data sheet

Manufacturer	Volkswagen
Vehicle model	Golf 7
Engine	2.0 TDI
Year of manufacture	2016 to 2020
Symptoms	Engine temperature rises quickly/ engine overheats
Recommended HGS tool	megamacsX

Important safety information

Engine temperature rises, coolant pump defective

With the above-mentioned vehicle type, the engine temperature may rise rapidly and there is therefore a risk of the engine overheating.

If it is a case of the above-mentioned fault, and if no definite faults have been detected in the periphery of the affected systems during the carrying out of diagnostics work, then special attention should be paid to the coolant pump. A switchable coolant pump is installed in this vehicle, which means that such a coolant pump can be adapted to suit the different operating states of the engine by the engine control unit.

During a cold start, a cover is slid over the rotating vane of the pump to prevent the coolant from circulating. This allows the engine to warm up more quickly, which reduces fuel consumption and emissions. As soon as the engine has reached its operating temperature, the cover is retracted and the coolant circulation is restored in order to ensure optimum cooling of the engine.

If the mechanics of the cover fail and the cover does not return to its original position, this can prevent the coolant from circulating even at operating temperature and consequently lead to the engine overheating.

In the course of further troubleshooting, the coolant pump should be removed in accordance with the manufacturer's instructions and the cover mechanism checked for defects. If abnormalities can be detected here, replacing the coolant pump can help in this case.

Once the cause of the fault has been rectified, delete the error memory and then carry out a test drive.

Please note

Please always follow the repair instructions from the vehicle manufacturer when carrying out such work!

Repair and maintenance work on the cooling system must be carried out in accordance with the manufacturer's instructions. Some manufacturers stipulate special venting routines that must be adhered to.

This defect may also occur in other vehicle models that have the same type of engine.

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