VW Scirocco - coolant loss caused by pump seal

Data sheet	
Manufacturer	Volkswagen
Vehicle model	Scirocco
Engine	1.4 TSI
Engine code	CZCA
Year of manufacture	2014-2018
Symptoms	Coolant loss occurring

Important safety information

Loss of coolant caused by defective seal on the engine coolant pump

With the above-mentioned vehicle type, it can happen that coolant is being gradually lost. This can become obvious as a result of increased engine temperature, by a warning message for the coolant level or by a level shown that is actually too low.

The leak often only occurs when the engine is warm, which makes diagnosis more difficult. The engine coolant pump is a complex module with an integrated thermostat and plastic housing. Thermal stress can cause the seal to age and leak, which usually results in minimal, barely visible leakage.

In order to carry out diagnosis, the coolant level should first be checked and the cooling system inspected for traces of fluid loss. As the leak usually only becomes visible when the engine is at a warm operating temperature, a visual inspection after a test drive is recommended.

Particular attention should be paid to the engine coolant pump, as leaks often occur in the seal area. A pressure test of the cooling system using a test device can be carried out if necessary in order to unmistakably detect even the smallest of leaks.

If there is anything conspicuous that might indicate a loss of coolant in the pump area, replacing the coolant pump seal in accordance with the manufacturer's specifications can provide a remedy to the problem.

Because of the repair work involved, we recommend replacing the entire pump unit including all seals. After the repair, the cooling system must be vented in accordance with the manufacturer's specifications and checked again for leaks.

Please note

Please always observe the maintenance and repair notes provided by the vehicle manufacturer when carrying out such work and checks!

This fault profile may also occur in other vehicle models with comparable equipment variants.

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