

Issue no. 05/2018: Defective map-controlled thermostat

The only functional difference between a map-controlled and a conventional thermostat is the actuation method. An additional heating element in the wax element is elec-

trically actuated to adjust the opening temperature of the thermostat to different load cases.

An electrical connection on the thermostat housing is characteristic of this design. When mistaken for a temperature sensor and removed for inspection, for example, it can cause damage to the pins and cables of the heating element. It results in the compromised function of the thermostat, which in turn leads to problems and associated fault memory entries in the control unit.



Figure 1: Map-controlled thermostat with retaining clamp released and torn connector.

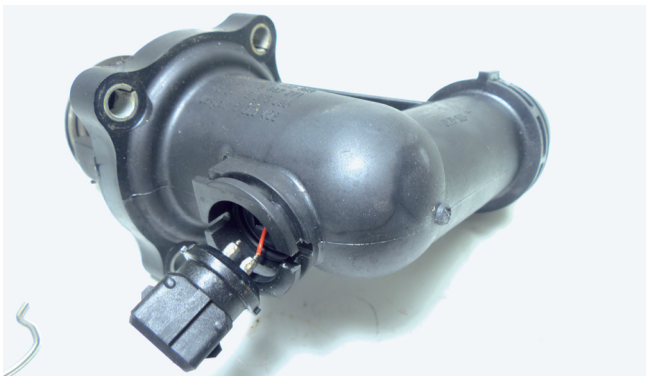


Figure 2: Map-controlled thermostat with broken connector.



Figure 3: Additional sealants can damage gaskets and impede functionality.

IMPORTANT! The retaining clamps on the connector plugs must not be released or removed. When installing thermostats, the use of additional sealants is generally not permissible. Only the original, solid gaskets may be used.

» See also Issue no. 06/2013: Installing coolant thermostats correctly