

Audi A3 - Poor performance of the air - conditioning system | HELLA

A3, from year 2003

All models with air conditioning

Poor performance of the air- conditioning system

If a customer complains about the above problem, this could be caused by a defective temperature sensor at the evaporator. The defective temperature sensor causes the evaporator surface to freeze so that heat exchange is no longer possible. First, a plausibility test should be performed using the diagnostic tester. Under the "Parameters" menu item, you can usually compare the temperatures of the interior temperature sensor and the sensor on the evaporator, when the air conditioning is switched off. If the measurement shows significant differences (interior 20 °C and evaporator 30 °C), this is already an indication of a faulty temperature sensor on the evaporator. Then check the electrical connector of the sensor. Water ingress can cause corrosion of the connector contacts, which then leads to failure or malfunction. If this is the case, the contacts must be cleaned. If the contacts are badly damaged, the only remedy is to replace the temperature sensor.

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