



## **Mercedes-Benz C-Class (W 203) All vehicles with air conditioning**

### **Air-conditioning control unit/system occasionally inoperative**

If there are complaints about the above-mentioned fault, there are several possible causes:

- 1. Evaporator temperature sensor**
  - 2. Pressure sensor on the dryer**
  - 3. Missing/defective basic setting of the servomotors**
1. Check if condensed water has penetrated the temperature sensor. The ohmic resistance of the sensor is changed due to water penetration. Due to the incorrect values, the air-conditioning system runs for 10 minutes and then switches off. Only when the vehicle is restarted is the system again activated for 10 minutes. Carry out a resistance check on the disconnected plug of the air-conditioning system control unit, between pin 8 and pin 15. Desired values of the temperature sensor at 20°C ambient temperature: 11.9–13.2 ohms.
  2. Connect a pressure manometer to the high-pressure circuit. Use a diagnosis tester to call up the actual values of the air-conditioning system. If the pressure difference is greater than two bar, the pressure switch must be replaced.
  3. Carry out a basic setting. Switch on the ignition. Press the recirculated air and defrost buttons simultaneously and keep them pressed for at least 5 seconds. In this case, the LEDs of both buttons flash alternately. Wait until the flashing stops (approx. 30 seconds). The system is on "Defrost" and the LED illuminates. Switch off the ignition.

Bulletin