

In-car temperature sensor (B10/4)

Location: The in-car temperature sensor (B10/4) is located on the right side of the steering column (219 up to 09/2006).

Task: It registers the temperature of the air in the lower part of the vehicle interior.

Malfunction: Exact regulation of the interior temperature is not possible.



P83.40-3352-00

Overhead control panel control module (N70)/in-car temperature sensor (N70b1)

Location: The in-car temperature sensor (N70b1) is located in the overhead control panel control module (N70).

Task: It measures the temperature of the air in the upper part of the vehicle interior.

Malfunction: Exact regulation of the interior temperature is not possible.



P83.40-3358-00

Evaporator temperature sensor (B10/6)

Location: The evaporator temperature sensor (B10/6) is located on the left on the HVAC housing in the air flow downstream of the evaporator.

Task: It registers the temperature of the air flow emerging from the evaporator.

Malfunction: The A/C compressor (A9) is shut off.



P83.40-3353-00

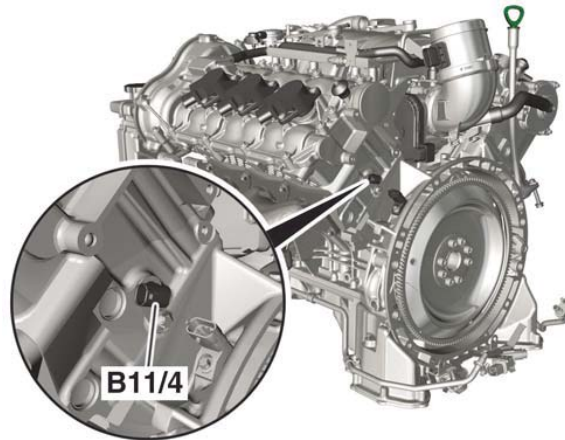
Sensors

Engine coolant temperature sensor (B11/4)

Location: The engine coolant temperature sensor (B11/4) is located towards the rear on the left cylinder head in vehicles with engine M 272, for example.

Task: It registers the temperature of the engine coolant and transmits it to the ME-SFI control module (N3/10) or to the CDI control module (N3/9).

Malfunction: The A/C compressor (A9) may be shut off under certain conditions. The engine and air conditioning electric suction fan with integrated control (M4/7) is fully actuated.



P83.40-3184-00

Outside temperature display temperature sensor (B14)

Location: The outside temperature display temperature sensor (B14) is located at the front on the left in the bumper.

Task: It registers the outside air temperature.

Malfunction: Exact regulation of the interior temperature is not possible.



P83.40-3355-00

4-zone ACC multifunction sensor (B31) (code 581)

Location: The 4-zone ACC multifunction sensor (B31) is located at the rear in the engine compartment on the left.

Task: It registers the dew point temperature and the concentration of the pollutants carbon monoxide and nitrogen oxide in the air flow.

Malfunction: The HVAC system operates with maximum dehumidifying effect. Automatic air recirculation shutoff is not possible.



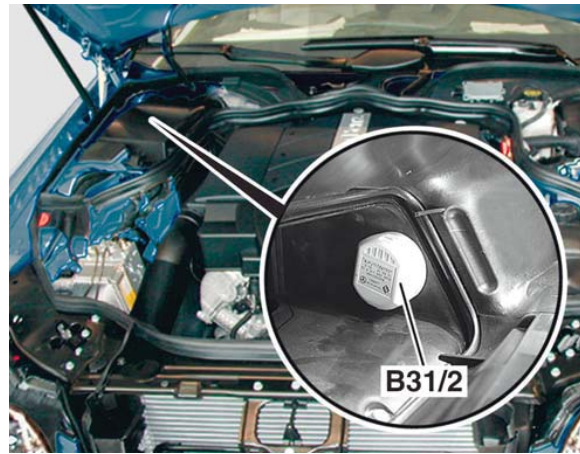
P83.40-3356-00

Air humidity sensor (B31/2) (code 580)

Location: The air humidity sensor (B31/2) is located on the HVAC housing in the air flow upstream of the fresh air/air recirculation flap.

Task: It registers the dew point temperature of the incoming air.

Malfunction: The HVAC system operates with maximum dehumidifying effect.



P83.40-3488-00

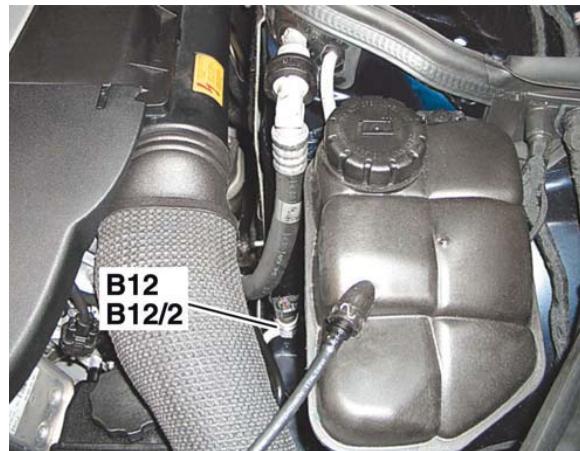
Refrigerant pressure sensor (B12), refrigerant pressure and temperature sensor (B12/2)

Location: The refrigerant pressure sensor (B12) or the refrigerant pressure and temperature sensor (B12/2) is located on the left in the engine compartment on the refrigerant line.

The refrigerant pressure and temperature sensor (B12/2) is installed up to 06/2005. As of 06/2005, the refrigerant pressure sensor (B12) is installed instead.

Task: It registers the refrigerant pressure in the high pressure circuit of the air conditioning system.

Malfunction: The A/C compressor (A9) is shut off.



P83.40-3354-00

Sensors

4-zone ACC sun sensor (4 in total) (B32/2) (code 581)

Location: The 4-zone ACC sun sensor (4 in total) (B32/2) is located in the center of the air inlet in the engine hood.

Task: It is a 4-zone sensor that determines the intensity and the incidence angle of the solar radiation on the vehicle in four separate areas (left front, right front, left rear, right rear).

Malfunction: Automatic adjustment of the interior climate control via solar intensity and incidence angle is not possible.



P83.40-3357-00