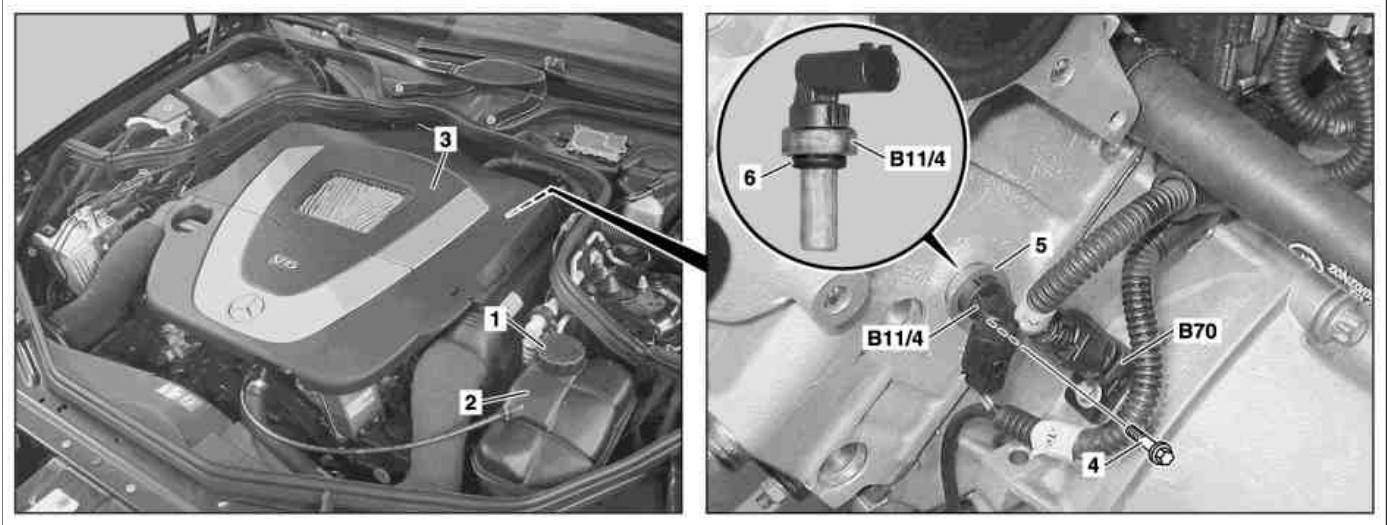


ENGINE 272 in MODEL 203, 209

Coolant temperature sensor

ENGINE 273 in MODEL 209

Coolant temperature sensor



P15.60-2023-08

- |                               |                  |                                  |
|-------------------------------|------------------|----------------------------------|
| 1 Cap                         | 4 Bolt           | B11/4 Coolant temperature sensor |
| 2 Coolant expansion reservoir | 5 Clamping plate | B70 Crankshaft Hall sensor       |
| 3 Air filter housing          | 6 O-ring         |                                  |

	Remove/install		
<b>⚠ Danger!</b>	<b>Risk of death</b> caused by vehicle slipping or toppling off the lifting platform.	Align vehicle between columns of lifting platform and position four support plates at lifting platform support points specified by vehicle manufacturer.	AS00.00-Z-0010-01A
<b>⚠ Danger!</b>	<b>Risk of injury</b> to skin and eyes caused by scalding from contact with hot coolant spray. <b>Risk of poisoning</b> from swallowing coolant.	Do not open cooling system unless coolant temperature is below 90 °C. Open cap slowly and release the pressure. Do not pour coolant into beverage containers. Wear protective gloves, protective clothing and safety glasses.	AS20.00-Z-0001-01A
	Notes on avoiding damage to electronic components due to electrostatic discharge		AH54.00-P-0001-01A
1	Switch off ignition		
2	Remove rear section of lower engine compartment paneling	<b>Installation:</b> Prior to installation, wash spilt fuel off the engine and transmission	AR61.20-P-1105P
3	Open engine hood and raise to vertical position	Model 203 Model 209	AR88.40-P-1000P AR88.40-P-1000Q
4	Reduce pressure in cooling system, to do this, slowly open the cap (1) at expansion reservoir (2) and reclose	The coolant temperature should be approx. 40 °C	
5	Remove air filter housing (3).		AR09.10-P-1150QB
6	Release and disconnect electrical connector at crankshaft Hall sensor (B70)		
7	Unlatch the electrical connector at the coolant temperature sensor (B11/4) and disconnect		
8	Unscrew bolt (4) and remove clamping plate (5)		*BA15.60-P-1001-01A
9	Fit new O-ring (6) to new coolant temperature sensor (B11/4)		
10	Pull coolant temperature sensor (B11/4) out of cylinder head and immediately insert new coolant temperature sensor (B11/4)		
11	Install in the reverse order		
12	Pour in coolant and bleed cooling system	Do not drain off coolant.	AR20.00-P-1142QB
13	Read out fault memory and erase if required Connect STAR DIAGNOSIS and read out fault memory	STAR DIAGNOSIS diagnosis system	*WH58.30-Z-1048-13A AD00.00-P-2000-04A

Temperature sensor

Number	Designation		Engine 272	Engine 273
BA15.60-P-1001-01A	Bolt, clamping plate for coolant temperature sensor to cylinder head	Nm	8	8

**Commercially available tools**

Number	Designation	
WH58.30-Z-1048-13A	STAR DIAGNOSIS diagnosis system, Compact Passenger Car	6511 1801 00