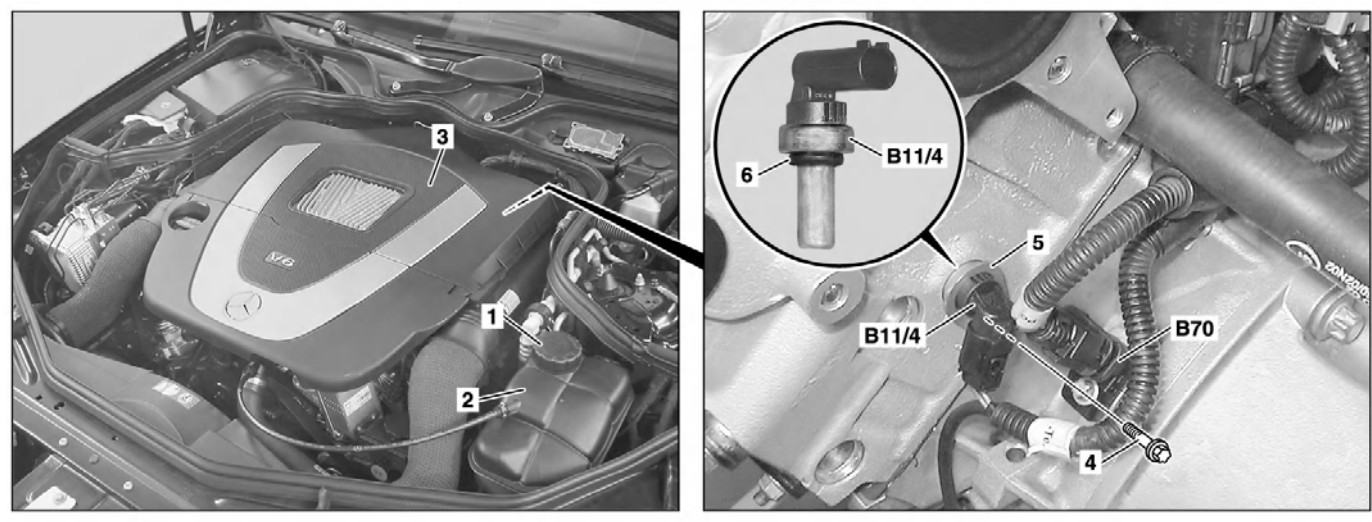


ENGINE 272 273 in MODEL 211, 219

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 | |

Modification notes

20.7.05	Fill coolant and bleed coolant system, added Conduct engine test run and check the engine for leaks, omitted	Step 13 Step 15	
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		Remove, install		
		Risk of injury to skin and eyes caused by scalding from contact with hot coolant spray. Risk of poisoning 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 ignition off, remove ignition key (transmitter key).	On vehicles with Code 889 Keyless Go: Press keyless go start/stop button repeatedly until the ignition is switched off. Remove the Keyless Go transmitter card or transmitter key from the vehicle and store beyond the reach of the transmitter (min. 2 m).	
2		Remove rear section of lower engine compartment paneling	Installation: Prior to installation, wash spilt fuel off the engine and transmission Model 211 Model 219	AR61.20-P-1105T AR61.20-P-1105TX
3		Reduce pressure in the engine cooling system, to do this, slowly open the cap (1) at the expansion reservoir (2) and reclose	The coolant temperature should be approx. 40°C	
4		Remove air filter housing (3).		AR09.10-P-1150TS
5		Remove vacuum pump	Engine 272.985	AR43.05-P-1320TY
6		Release and disconnect electrical connector at crankshaft Hall sensor (B70)		
7		Release and disconnect the electrical connector at the coolant temperature sensor (B11/4)		
8		Unscrew bolt (4)		*BA15.60-P-1001-01A
9		Remove clamping plate (5)		
10		Fit new O-ring (6) to new coolant temperature sensor (B11/4)		
11		Pull coolant temperature sensor (B11/4) out of cylinder head and immediately insert new coolant temperature sensor (B11/4)		
12		Install in the reverse order		

13	Pour in coolant and bleed cooling system		AR20.00-P-1142TS
14	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

Nm Temperature sensor

Number	Designation		Engine 272	Engine 273
BA15.60-P-1001-01A	Bolt connecting 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