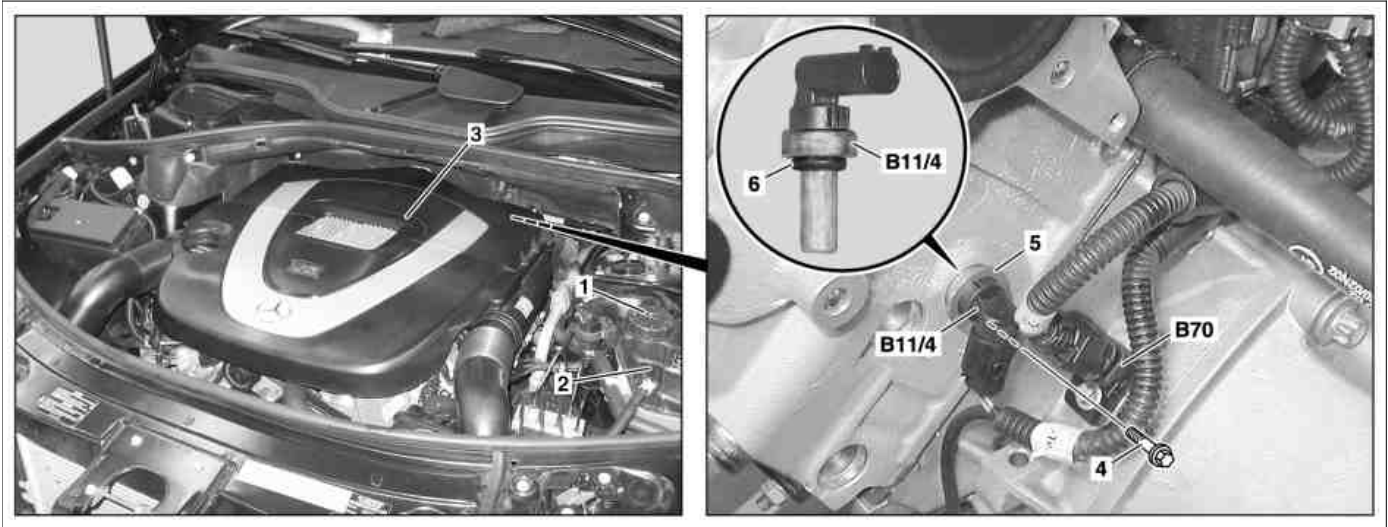


ENGINE 272, 273 in MODEL 164

Coolant temperature sensor

ENGINE 273 in MODEL 463

Coolant temperature sensor



P15.60-2025-08

Shown on model 164 with engine 272

- 1 Cap
2 Coolant expansion reservoir
3 Air cleaner housing


- 4 Screw
5 Clamping plate
6 O-ring

- B11/4 Coolant temperature sensor
B70 Crankshaft Hall sensor

Modification notes

2.9.09	Switch off ignition, remove partition wall section on the left	Steps 1, 2.2	
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	Remove/install		
Danger!	Risk of injury to skin and eyes caused by scalding from contact with hot coolant spray. Risk of poisoning caused by 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
	Information on preventing damage to electronic components due to electrostatic discharge		AH54.00-P-0001-01A
1	Switch off ignition and remove the transmitter key from the EIS [EVS] control unit	On vehicles with code (889) Keyless Go: Press keyless go start/stop button repeatedly until ignition is switched off. Remove transmitter key from vehicle and store it in a location beyond its transmission range (at least 2 m).	
2.1	Remove air filter housing (3).	Engine 272 (except 272.973), 273 in model 164 Engine 273 in model 463	AR09.10-P-1150GZA AR09.10-P-1150GZG
2.2	Remove partition wall section left	Engine 272.973 in model 164.195	
3	Reduce pressure in engine cooling system.	To do slowly open cap (1) on coolant expansion reservoir (2) and close again. The coolant temperature should be approx. 40 °C.	
4	Disconnect electrical connector on crankshaft Hall sensor (B70)		
5	Unlatch electrical connector at the coolant temperature sensor (B11/4) and disconnect		
6	Remove bolt (4) and remove clamping plate (5)		*BA15.60-P-1001-01A
7	Fit new O-ring (6) to new coolant temperature sensor (B11/4)		
8	Pull old coolant temperature sensor (B11/4) out of cylinder head and immediately insert new coolant temperature sensor (B11/4)		
9	Install in the reverse order		

10	Pour in coolant and bleed cooling system	Engine 272, 273 in model 164 Engine 273 in model 463	AR20.00-P-1142GZC AR20.00-P-1142GX
11	Connect STAR DIAGNOSIS and read fault memory	 Faults which may arise by disconnecting wires or by a simulation must be erased in the fault memory after completing the work.	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