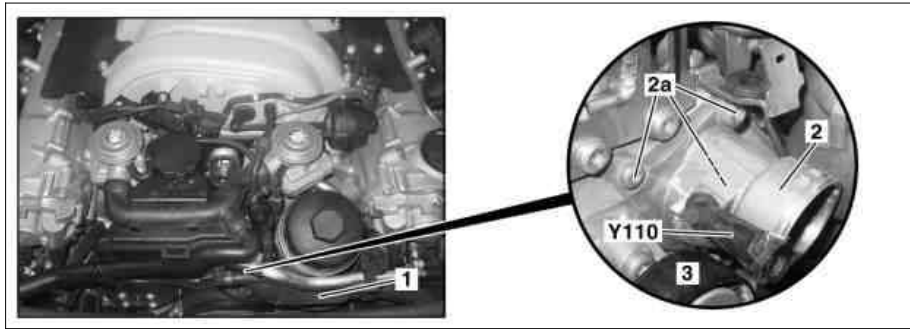


ENGINE 156.982 in MODEL 209.377 /477
 ENGINE 156.983 in MODEL 211.077 /277, 219.377


- 1 Coolant hose
- 2 Coolant thermostat housing
- 2a Screw
- 3 Pulley

Y110 Three-disk thermostat valve



P20.10-2217-04

	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
Danger!	Risk of death caused by vehicle slipping or toppling off the lifting platform.	Align vehicle between columns of vehicle lift and position four support plates at vehicle lift support points specified by vehicle manufacturer.	AS00.00-Z-0010-01A
	Notes on coolant		AH20.00-N-2080-01A
	Information on preventing damage to electronic components due to electrostatic discharge		AH54.00-P-0001-01A
1	Turn key in ignition switch to position "0".	On vehicles with code 889, Keyless Go: Press keyless go start/stop button repeatedly until ignition is switched off.	
Danger! 2	Risk of injury caused by fingers being pinched or crushed when removing, installing or aligning hoods, doors, trunk lids, tailgates or sliding roof. Open engine hood	Keep body parts and limbs well clear of moving parts. Model 209 Model 211 Model 219	AS00.00-Z-0011-01A AR88.40-P-1000Q AR88.40-P-1000T AR88.40-P-1000TX
3	Remove both intake air ducts		
4	Remove front engine cover	Do not tilt front engine cover, but lift upwards vertically otherwise the retaining lugs can break off.	
5	Remove poly-V belt	Vehicles without code P98 Black Series	AR13.22-P-1202TMG
6	Remove switchover valve		AR14.30-P-7255TS
7	Loosen expansion reservoir for steering and place to one side		AR46.25-P-1000GZS
8	Raise vehicle with lifting platform	Model 209 Model 211 Model 219	AR00.60-P-1000P AR00.60-P-1000T AR00.60-P-1000TX
9	Remove lower engine compartment paneling	Model 209 Model 211 Model 219	AR61.20-P-1105P AR61.20-P-1105T AR61.20-P-1105TX
10 	Drain coolant at radiator Notes on coolant		AR20.00-P-1142TMG AH20.00-N-2080-01A
11	Detach coolant hose (1) from coolant thermostat housing (2) and place to one side	Installation: Install new O-ring.	
12	Remove overflow line from coolant thermostat housing (2) to coolant expansion reservoir and place to one side		
13	Unlatch electrical connector at three-disk thermostat valve (Y110) and disconnect		
14	Unscrew bolt (2a)		*BA20.10-P-1002-01V
15	Pull out coolant thermostat housing (2) with coolant thermostat from timing case cover	The coolant thermostat and coolant thermostat housing (2) are a single unit. The coolant thermostat must not be taken out of coolant thermostat housing (2) as it can get damaged in the process.	

		i Installation: Install new O-ring.	
16	Install in the reverse order		
17	Inspecting cooling system for leaks		AR20.00-P-1010TMG
	Checking		
⚠ Danger!	Risk of accident caused by vehicle starting off by itself when engine is running. Risk of injury caused by contusions and burns during starting procedure or when working near the engine as it is running	Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A
18	Carry out engine test run		

Nm Coolant pump, coolant thermostat

Number	Designation			Engine 156
BA20.10-P-1002-01V	Bolt, thermostat on timing case cover	M6×25	Nm	8.5
		M8×80	Nm	20