

ENGINES 272.920 in MODEL 203.052 /252 /752

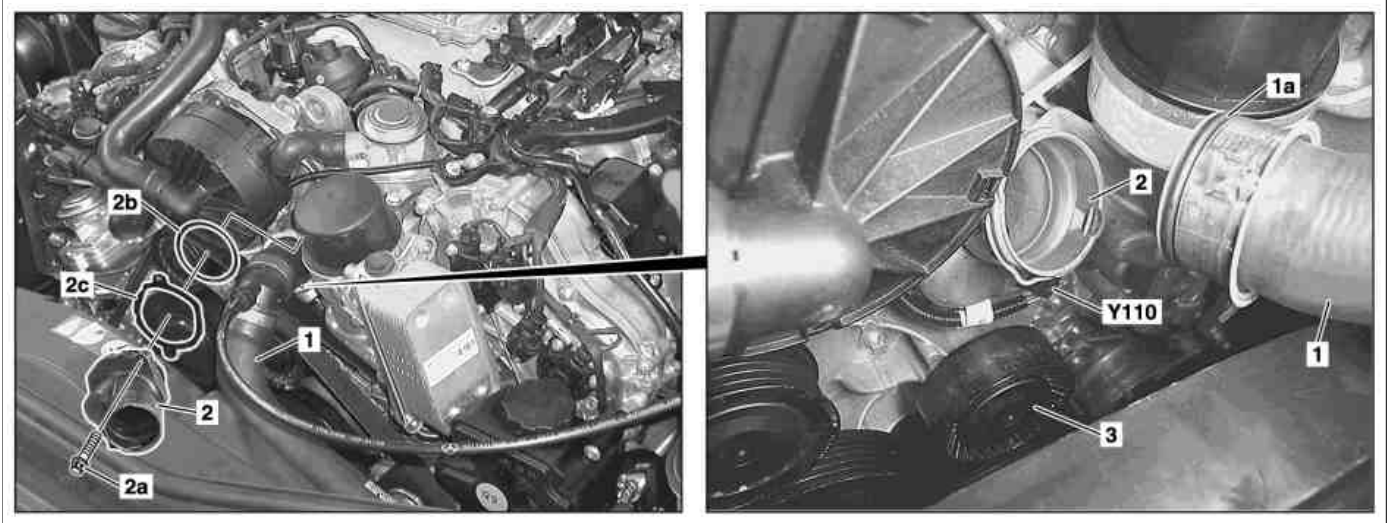
ENGINES 272.940 in MODEL 203.054 /254, 209.354 /454

ENGINES 272.960 in MODEL 203.056 /256 /756, 209.356 /456

ENGINES 272.970 in MODEL 203.087 /287

ENGINES 272.941 in MODEL 203.092 /292

ENGINES 273 in MODEL 209



P20.10-2165-08

1 Upper coolant hose

1a O-ring

2 Coolant thermostat housing

2a Screw

2b O-ring

2c Gasket

3 Pulley

Y110 Three-disk thermostat valve

6 Coolant pipe

6a Coolant hoses

6b Bolts

7 Hose










8 Air shutoff valve


M33 Electric air pump



P20.20-2318-06

	Remove/install		
Danger!	Risk of injury caused by fingers being pinched or crushed when removing, installing or aligning hoods, doors, trunk lids, liftgates or sliding roof	Keep body parts and limbs well clear of moving parts.	AS00.00-Z-0011-01A
	Information on preventing damage to electronic components due to electrostatic discharge		AH54.00-P-0001-01A
1	Turn key in ignition lock to position "0"		
2	Raise vehicle with vehicle lift		AR00.60-P-1000P
3	Remove the front and central sections of the lower engine compartment paneling		AR61.20-P-1105P

4	Drain coolant at radiator		AR20.00-P-1142QB
5	Open engine hood and raise to vertical position	Model 203 Model 209	AR88.40-P-1000P AR88.40-P-1000Q
6	Remove the left intake air duct and the front engine cover	See Remove air filter housing.	AR09.10-P-1150QB
7	Remove hose (7) from electrical air pump (M33) and air shutoff valve (8)	Engine 273	
8.1	Detach top coolant hose (1) from coolant thermostat housing (2) and place it on the side	Engine 272  Installation: Replace O-ring (1a).	
8.2	Remove coolant hoses (6a), unscrew bolts (6b) and remove coolant pipe (6)	Engine 273  	*BA20.10-P-1005-01U *BA20.10-P-1006-01U
9	Remove poly-V belt		AR13.22-P-1202QB
10	Remove guide pulley (3) of poly-V belt		*BA20.10-P-1004-01U
11	Unlatch electrical connector at three-disk thermostat valve (Y110) and disconnect		
12	Remove bolts (2a, 2 pieces)		*BA20.10-P-1003-01U
13	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.  Installation: Replace gasket (2b) and O-ring (2c).	
14	Install in the reverse order		
	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
15	Conduct engine test run and check engine for leaks		

 **Coolant pump, coolant thermostat**

Number	Designation		Engine 272	Engine 273	
BA20.10-P-1003-01U	Bolt, coolant thermostat housing to timing case cover	Nm	25	25	
BA20.10-P-1004-01U	Bolt, guide pulley between water pump and belt tensioner	Initial installation	Nm	35	35
		Follow-up operations	Nm	25	25
BA20.10-P-1005-01U	Bolt connecting coolant pipe to coolant thermostat housing	Nm	-	9	
BA20.10-P-1006-01U	Bolt connecting coolant pipe to cylinder head front cover	Nm	-	9	