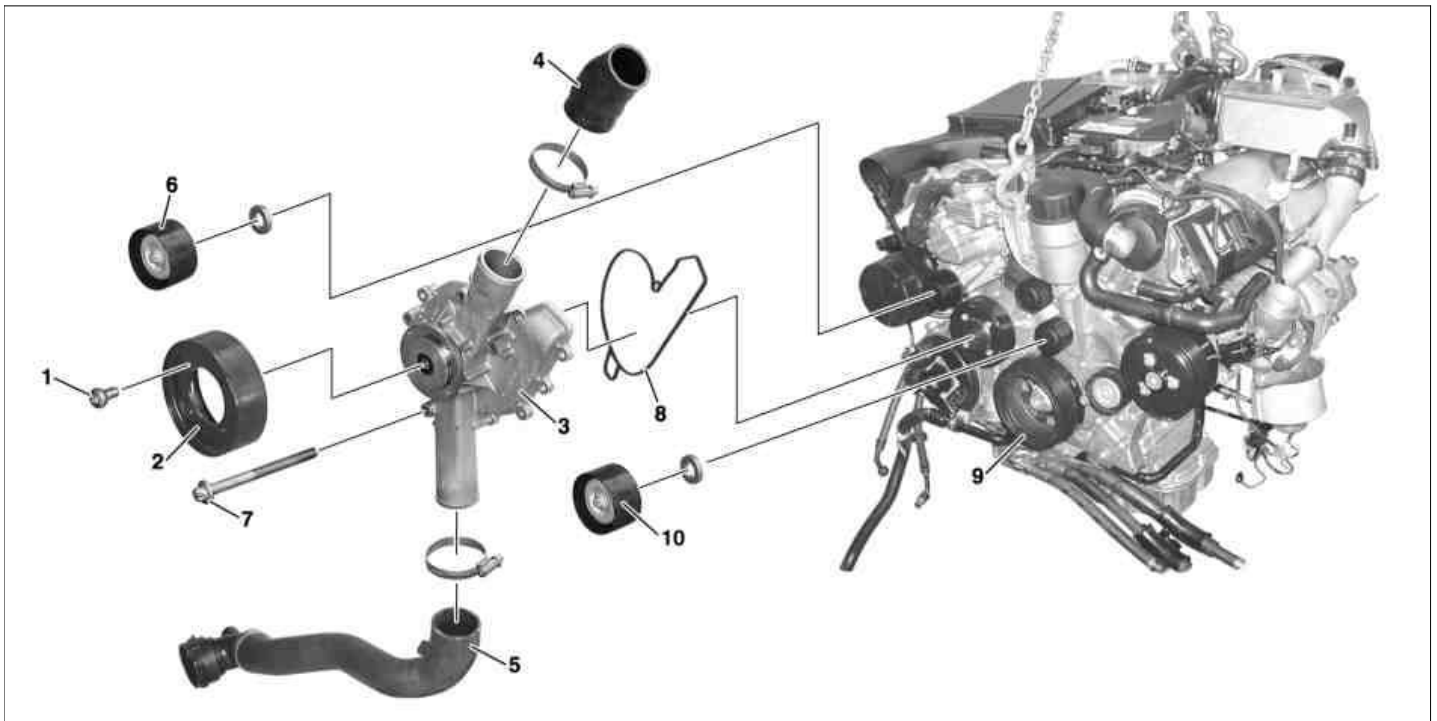


ENGINES 275 in MODELS 215, 216, 220, 221, 230












P20.10-2067-09

1 Bolts
2 Belt pulley
3 Coolant pump

4 Coolant hose
5 Coolant hose
6 Pulley

7 Bolts
8 Gasket
9 Belt pulley/vibration damper
10 Pulley

	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
1 	Drain coolant at radiator Notes on coolant		AR20.00-P-1142H AH20.00-N-2080-01A
2.1	Remove fan shroud	Model 216, 221 except 216.379, 221.179 Model 216.379, 221.179 Model 215.376, 220.176, 230 without code (P99) Special model "AMG Black Series" Model 215.379, 220.179	AR20.40-P-6800SZ AR20.40-P-6800SXM AR20.40-P-6800AC AR20.40-P-6800IM
2.2	Remove fan unit	Model 230 with code (P99) Special model "AMG Black Series"	AR20.40-P-5050RBS
3	Slacken bolts (1) for the pulley (2) at coolant pump (3)		*BA20.10-P-1002-01C
4	Remove poly-V belt	Model 215, 220, 230 Model 216, 221	AR13.22-P-1202L AR13.20-P-0001SZ
5	Detach belt pulley (2) from coolant pump (3)		
6	Remove coolant hoses (4, 5) from coolant pump (3)	 Inspect condition of coolant hoses (4, 5) and hose clamps.  Installation: Replace if required.	
7	Remove belt pulley/vibration damper (9)		AR03.30-P-1600L
8	Detach guide pulley (6) from front cover.		*BA01.30-P-1002-01G
9	Detach guide pulley (10)		*BA01.40-P-1006-01C
10	Remove bolts (7) and take off coolant pump (3)	 Installation: Install new seal (8).  Installation: Observe length of bolts and tightening sequence:	

		Bolt plan for coolant pump (3) Nm	AR20.10-P-1271-03L *BA20.10-P-1004-01C
11	Install in the reverse order		
⚠ 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
12	Inspect cooling system for leaks	Model 215, 220, 230 Model 216, 221	AR20.00-P-1010HA AR20.00-P-1010SX

Nm Cylinder head

Number	Designation	Engine 275
BA01.30-P-1002-01G	Bolt, guide pulley to front cover on right	M8 Nm 35

Nm Crankcase, timing case cover, end cover

Number	Designation	Engine 275, 285
BA01.40-P-1006-01C	Bolt, pulley to timing case cover	Nm 35

Nm Coolant pump, coolant thermostat

Number	Designation	Engines 137, 275
BA20.10-P-1002-01C	Belt pulley on coolant pump	Nm 8
BA20.10-P-1004-01C	Coolant pump on timing case	M7 Nm 14