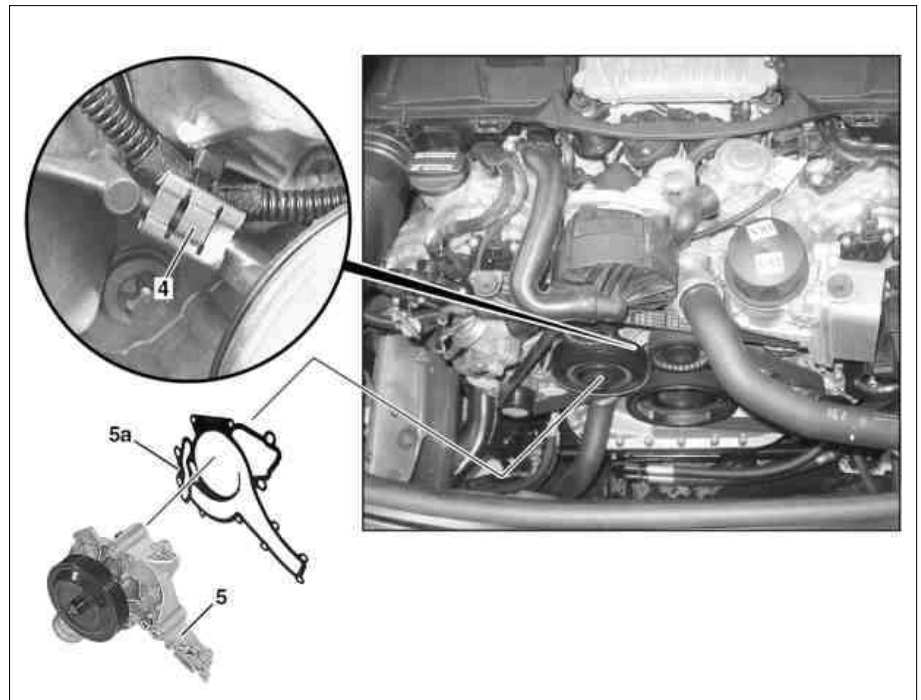


ENGINE 272, 273 in MODEL 164, 251

Shown on engine 272

- 4 Retaining clamp
5 Coolant pump
5a Seal



P20.10-2174-06

☒ ☒	Remove/install		
⚠ Danger!	Risk of injury to skin and eyes suffering scalding from contact with hot coolantspray. 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 coolant		AH20.00-N-2080-01A
1	Remove electric fan	MODEL 164 with ENGINE 273	AR20.40-P-5000GZA
2	Drain coolant at radiator		AR20.00-P-1142GZC
3	Remove poly-V belt and both guide pulleys		AR13.20-P-0001GZA
4	Pry off electrical feed line retaining clamp (4) from coolant pump (5)		
5	Detach coolant hose from coolant pump (5)	i Installation: Replace O-ring on coolant hose.	
6	Remove screw/bolts of coolant pump (5)	Bolt plan for coolant pump i Installation: Follow the bolt plan. Nm Self-tapping bolt connecting coolant pump to timing case cover Nm Bolt, coolant pump to cylinder crankcase	AR20.10-P-1271-03VA *BA20.10-P-1001-01U *BA20.10-P-1002-01U
7	Remove coolant pump (5) from timing case cover	i Installation: Replace seal (5a).	
🧼	Clean		
8	Clean sealing surfaces on coolant pump (5) and timing case cover with a rag		
9	Install in the reverse order		
10	Check cooling system for leaktightness		AR20.00-P-1010GZC
⚠ Danger!	Risk of accident from vehicle starting off by itself when engine running. Risk of injury (bruises and burns) resulting from working on the engine while it is being started or when it is running.	Secure vehicle to prevent it from starting off by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A
11	Check for leaktightness with engine running		

Nm Coolant pump, coolant thermostat

Number	Designation				ENGINE 272	ENGINE 273
BA20.10-P-1002-01U	Bolt, coolant pump to cylinder crankcase	M8	Stage 1	Nm	5	5
			Stage 2	Nm	20	20

Nm Coolant pump, coolant thermostat

Number	Designation				ENGINE 272	ENGINE 273
BA20.10-P-1001-01U	Self-tapping bolt connecting coolant pump to timing case cover	M7	Stage 1	Nm	10	10
			Stage 2	Nm	25	25