

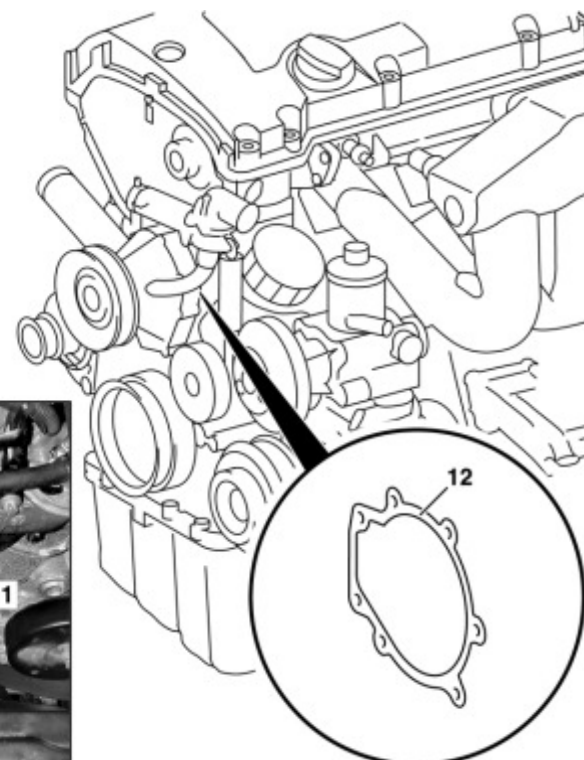
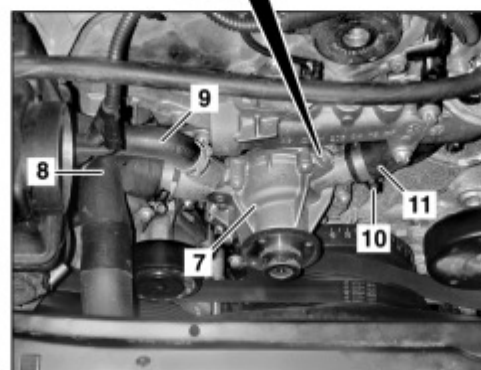
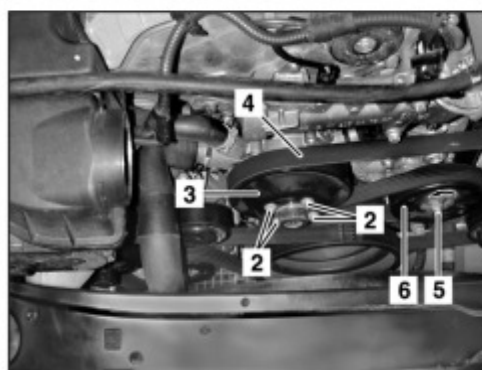
AR20.10-P-1271PR

Remove, install coolant pump

23.5.00

ENGINE 111.951










ENGINE 111.955

















P20.10-2024-09

- 1 Bracket
- 2 Bolts
- 3 Drive gear
- 4 Poly V-belt
- 5 Torx bolt
- 6 Tensioning pulley
- 7 Coolant pump
- 8 Coolant line (coolant pump→radiator)

- 9 Coolant line (coolant pump→circulation pump)
- 10 Hose clamp
- 11 Coolant line (coolant thermostat housing→coolant pump)
- 12 Gasket
- 13 Coolant line (electronic accelerator actuator→coolant pump)

	Removing, installing		
 Danger!	Risk of injury to skin and eyes suffering scalding from contact with hot coolant spray. 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 bottles. Wear protective gloves, protective clothing and eye protection.	AS20.00-Z-0001-01A
1	Drain coolant	 At radiator	AR20.00-P-1142PR
	Notes on coolant	All engines	AH20.00-N-2080-01A
2	Remove air cleaner housing	Engine 111.951.	AR09.10-P-1150PR
		Engine 111.955.	AR09.10-P-1150PK
3	Detach bracket (1) of air cleaner housing	 Only for engine 111.955.	
			BA01.30-P-1001-01B
4	Slacken bolts (2) of drive gear (3) of coolant pump		BA20.10-P-1002-01B
5.1	Slacken poly V-belt (4) of base drive	 Engine 111.955.	
		Swivel torx bolt (5) at tensioning pulley (6) in anti-clockwise direction for this step (arrow).	
		Installation: Lock tensioning pulley with pin or drift. Inspect poly V-belt, replace if necessary. ↓	
		Remove poly V-belt.	AR13.22-P-1202PK
5.2	Remove poly V-belt (4)	 Engine 111.951.	AR13.22-P-1202PR
6	Take off drive gear (3) of coolant pump (7)		
7	Detach coolant line (8) at coolant pump		

	(7)	 Installation: Inspect coolant line and hose clamp, replace if necessary.	
			WH58.30-Z-1001-06A
			WH58.30-Z-1002-06A
8	Detach coolant line (9) at coolant pump (7)	 Installation: Inspect coolant line and hose clamp, replace if necessary.	
			WH58.30-Z-1001-06A
			WH58.30-Z-1002-06A
9	Slacken hose clamp (10)		WH58.30-Z-1001-06A
			WH58.30-Z-1002-06A
10	Detach coolant line (13) at coolant pump (7)	 Installation: Inspect coolant line and hose clamp, replace if necessary.	
			WH58.30-Z-1001-06A
			WH58.30-Z-1002-06A
11	Detach coolant pump (7)	 Installation: Inspect hose clamp (10) and coolant line (11), replace if necessary. Clean sealing surfaces of coolant pump. Replace gasket (12) of coolant pump.	
			BA20.10-P-1001-01B
12	Install in the reverse order		
13	Inspect cooling system for leaks		AR20.00-P-1010P
 Danger!	Risk of accident from vehicle starting	Secure vehicle to prevent it moving off.	AS00.00-Z-0005-01A

	off by itself when engine running. Risk of injury from contusions and burns if you insert your hands into the engine when it is started or when it is running	Wear closed and close-fitting work clothes. Do not touch hot or rotating parts.	
14	Run engine and inspect for leaks		

Cylinder head

Number	Designation			Engine 111
BA01.30-P-1001-01B	Bolt of front cover at top	M6	NM	10
		M8	NM	25

Coolant pump, coolant thermostat

Number	Designation			Engine 111
BA20.10-P-1001-01B	Bolt of coolant pump to crankcase	M6	NM	10
		M8	NM	25
BA20.10-P-1002-01B	Bolt of belt pulley to coolant pump		NM	10

Commercially available tools (see Workshop Equipment Manual)

Number	Designation	Make (e. g.)	Order number
WH58.30-Z-1001-06A	6 mm socket hexagon of flexible shaft for hose clips with worm drive	Hazet Güldenwerther Bahnhofstraße 25-28 D-42857 Remscheid	426-6
WH58.30-Z-1002-06A	7 mm socket hexagon on flexible shaft for hose clips with worm drive	Hazet Güldenwerther Bahnhofstraße 25-28 D-42857 Remscheid	426-7