

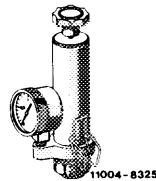
20–230 Removal and installation of coolant pump housing

Tightening torques		Nm	
Drain plugs	Radiator	Model 115	8
		Model 123	1.5–2 ¹⁾
	Cylinder crankcase	30	
Fastening screws	Fan, hub ring, V-belt pulley to flange of coolant pump shaft		23
	Coolant pump (bearing housing) to coolant pump housing		10
	Coolant pump housing to cylinder crankcase		32
	Fan hood to radiator model 115		2.5

¹⁾ This torque can be attained by means of a disc or a coin.

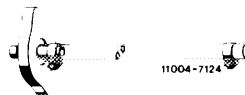
Special tools

Tester for cooling system and radiator cap



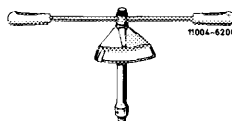
001 589 48 21 00

Radiator cap with hose for leak test



605 589 00 25 00

Torque wrench 1/4" square, 4–16 Nm



000 589 67 21 00

Conventional tool

Hex. socket wrench 7 mm to flexible shaft for hose clips with worm-gear drive

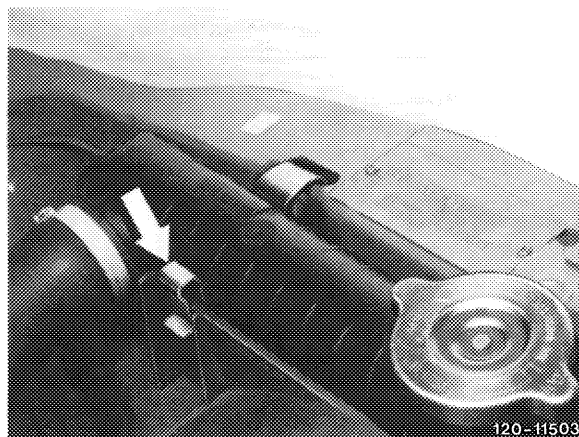
e.g. made by Hazet, D–5630 Remscheid order No. 426–7

Removal

1 Drain coolant (20-010).

2 On **model 115**, unscrew fastening screws for fan hood on radiator top, pull-out fan hood below from holding lugs and place over fan.

On **model 123**, pull-out the flat-shaped springs (arrow) provided on both sides, pull-out fan hood below from holding lugs and place over fan.



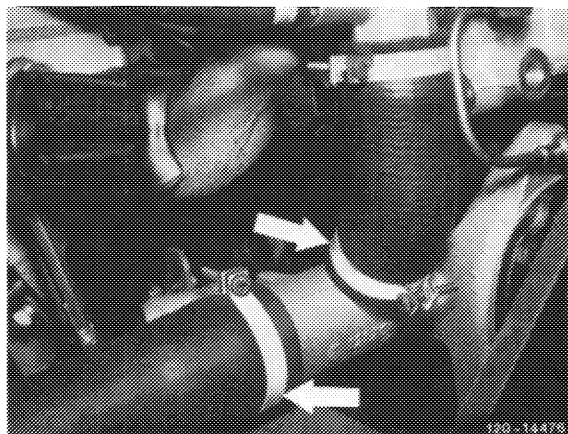
3 Unscrew fastening screws for fan and remove fan together with hub ring and fan hood.

4 Slacken all V-belts and remove (13-340).

5 Remove V-belt pulley on flange of coolant pump shaft.

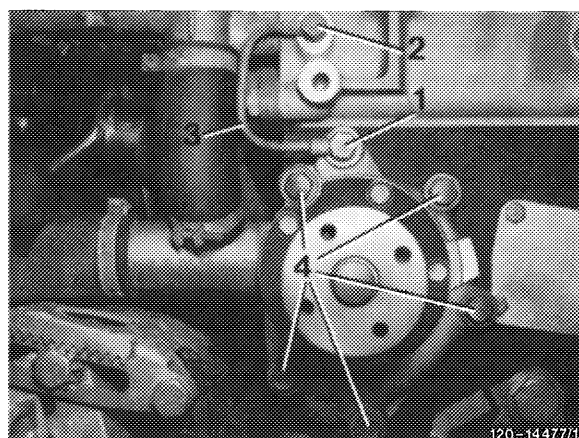
6 On vehicles with air conditioning, remove refrigerant compressor with carrier and put aside.

7 Disconnect hose for heater water return flow, and coolant hoses to coolant thermostat housing and to radiator on coolant pump housing (arrows).



8 Unscrew hollow screw (1) and loosen hollow screw (2).

9 Unscrew fastening screws (4) and remove coolant pump housing together with coolant pump. For this purpose, swivel vent line (3) upwards.



Installation

10 For installation proceed vice versa to items 2–9.

Install coolant pump housing and coolant pump with new seals.

Tighten fastening screws for coolant pump housing to 32 Nm, for coolant pump (bearing housing) to 10 Nm, for fan, hub ring and V-belt pulley to 23 Nm as well as for fan hood to 2.5 Nm.

11 Fill-in coolant (20–010) and check cooling system by pressure testing with tester (1–1.3 bar gauge pressure) for leaks.