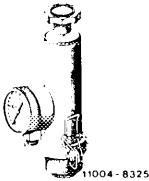
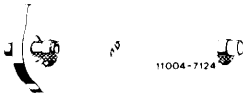
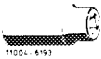


## 20–230 Removal and installation of water pump housing

| Tightening torques               |            | Nm                  | (kpm)      |
|----------------------------------|------------|---------------------|------------|
| Radiator drain plug              | type 115.1 | 6–10                | (0.6–1)    |
|                                  | type 123.1 | 1.5–2 <sup>1)</sup> | (0.15–0.2) |
| Water pump to water pump housing |            | 9                   | (0.9)      |
| Fan to water pump                |            | 25                  | (2.5)      |

<sup>1)</sup> This torque can be set by means of a washer or a coin.

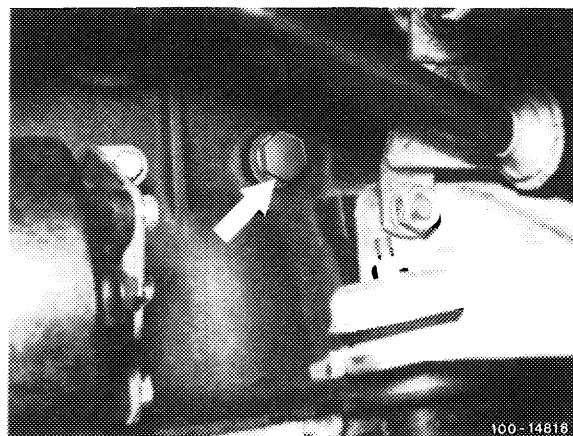
### Special tools

|   |   |                  |
|---|---|------------------|
| Tester for cooling system                     |    | 001 589 48 21 00 |
| Radiator cap with hose for leak test          |   | 605 589 00 25 00 |
| Socket 27 mm, 1/2" square for rotating engine |  | 001 589 65 09 00 |

### Removal

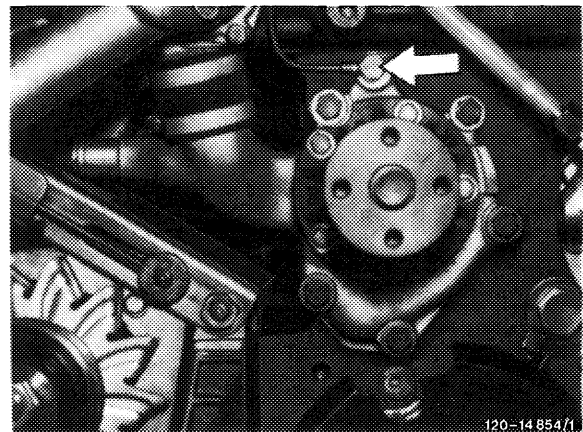
- 1 Completely drain coolant (20–010).
- 2 Remove radiator (20–420).
- 3 Unscrew fan.
- 4 Slacken V-belt and remove.

Drain plug on cylinder crankcase



- 5 On engine 617, remove pulley and vibration damper.
- 6 Disconnect heating water return hose on water pump housing.
- 7 Disconnect hose between thermostat and water pump housing.

- 8 Unscrew vent line from water pump housing (arrow).
- 9 Unscrew water pump housing and remove together with water pump.



### **Installation**

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- 10 Position water pump housing with new gasket and screw down.
- 11 For further installation proceed vice versa to removal.
- 12 Add coolant (20-010).
- 13 Pressure-test cooling system with tester.