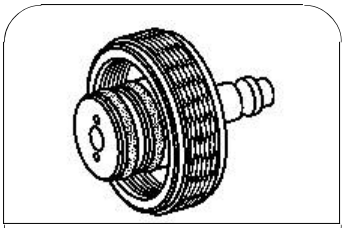
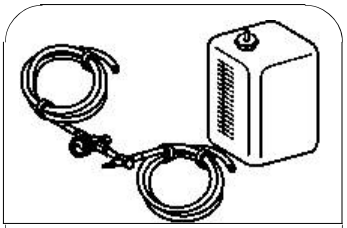
	Pour in coolant and bleed cooling system		

ENGINE 111, 112, 113, 137, 166, 266
ENGINE 112, 113
ENGINE 611, 612, 613, 640, 646, 647, 648, 668
ENGINE 780



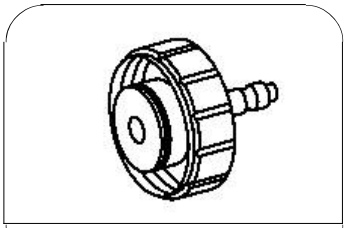
169 589 00 91 00

Test cap



285 589 00 21 00

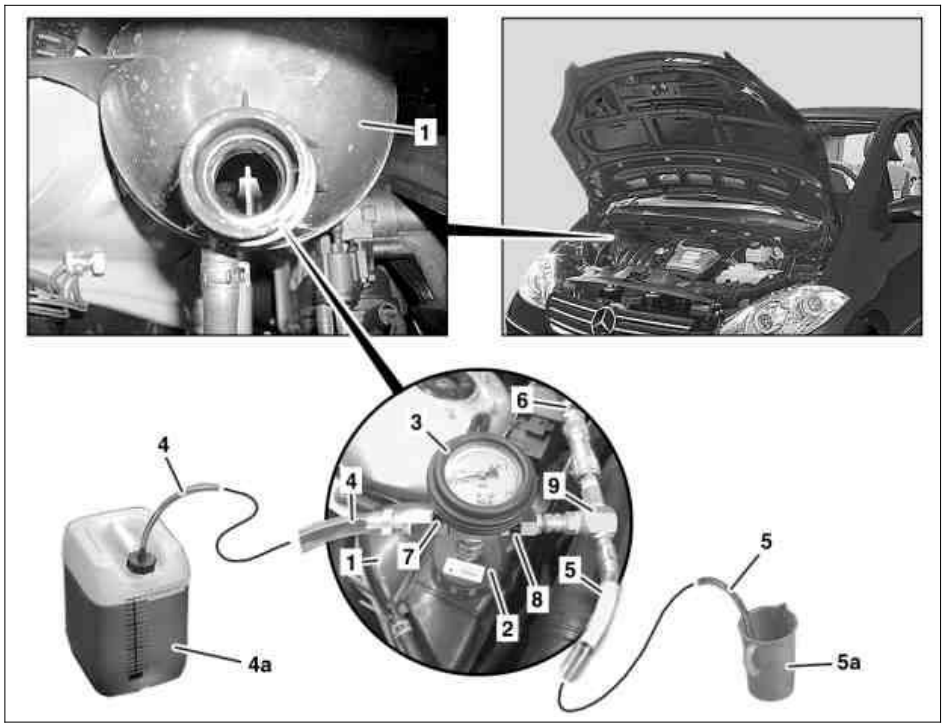
Cooler vacuum filling device



210 589 00 91 00

Test cap

ENGINE 780 in MODEL 242
When charging the coolant, the filling routine must be activated using a diagnostic unit. The wheel alignment check cannot be performed correctly otherwise.
Shown on model 169



P20.00-2245-06

1 Screw tester cap (2) onto the expansion reservoir (1).

2 Attach the control unit (3) to the test cap (2) .

3 Attach Venturi nozzle (9) to control unit (3).

4 Close drain valve (8) and feed valve (7).

5 Place feed hose (4) of the coolant on the coolant reservoir (4).

i To prevent air from being drawn in, ensure that the coolant reservoir (4a) contains more coolant on the coolant reservoir than the maximum filling capacity of the cooling system.

6 Guide waste air hose (5) into an empty container (5a).

9 Open feed valve (7) until feed hose (4) has filled with coolant.

10 Close drain valve (8) if display of the control unit (3) is in the green area.

11 Remove compressed air hose (6) from the Venturi nozzle (9) and monitor if the vacuum remains stable for 30 seconds.

7 Connect compressed air hose (6) to the Venturi nozzle (9) and apply pressure.

i The overpressure in the compressed air supply for the workshop must be at least about 8 bar so that sufficient vacuum can be generated through the Venturi nozzle (9).

8

Open the drain valve (8).

i A vacuum is generated in the cooling system.

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14 Remove control unit (3) along with all connections and tester cap (2) .

i If this is not the case, check hoses and connections and if necessary, repair and create a new vacuum.

12

Open feed valve (7).

i The cooling system is charged.

13 Open drain valve (8) if coolant is no longer suctioned.

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15 Fill coolant level up to the lower edge of the filler neck of the expansion reservoir (1).