



FILLING & VENTING THE COOLING SYSTEM

INSTALLATION INSTRUCTIONS 11235/1

Below you will find the regulatory instructions for filling and venting the cooling system of pump 11235/1. Not filling and venting in accordance with regulations will lead to error messages in the OBD. It is assumed that the old pump has been removed and the new one installed in accordance with the regulations.

ALL:

- 1 Fill the coolant tank with 10 litres of premixed coolant in the correct mixing ratio.
- 2 Screw the adapter for the cooling system tester onto the coolant expansion tank 1.
- 3 Attach the cooling system filler to the adapter.
- 4 Route the exhaust hose 2 into a small container 3.

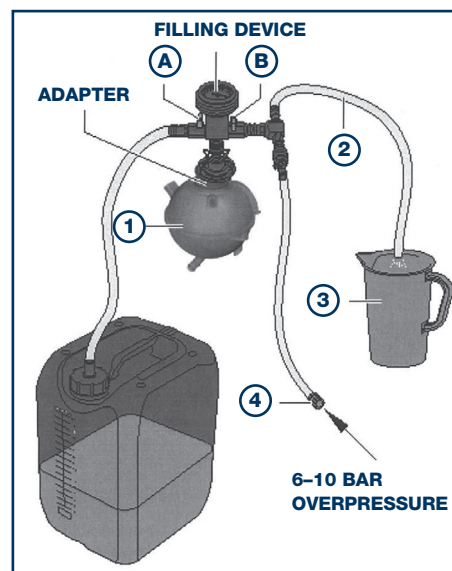
Note: The exhaust air drags along a small amount of coolant, which should be collected.

- 5 Close the valves A + B and turn the lever transversely to the direction of flow.
- 6 Connect the hose 4 to compressed air with 6–10 bar overpressure.

- 7 **Connect the vehicle diagnostic tester and select the following functions.**

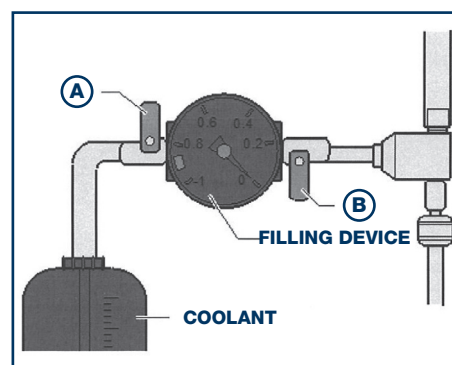
0001 – Engine electronics Functions

0001 – Fill/vent cooling system



FILL UP WITH COOLANT::

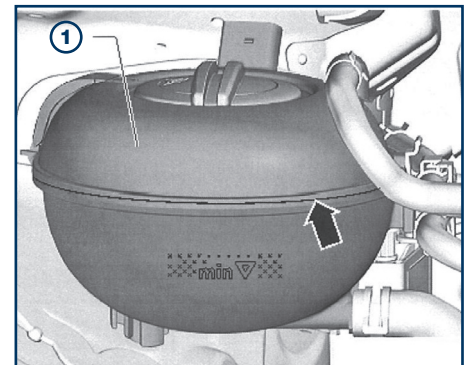
- 8 Open the valve B by turning the lever in the direction of flow.
Negative pressure is generated in the cooling system by the suction jet pump; the pointer of the indicator instrument must move into the green area.
- 9 In addition, briefly open the valve A by turning the lever in the direction of flow so that the hose of the coolant tank fills with coolant.
- 10 Close valve A again.
- 11 Leave valve B open for another 2 minutes.
The suction jet pump continues to generate negative pressure in the cooling system; the pointer of the indicator instrument must remain in the green area.
- 12 Close valve B.
- 13 Pull off the compressed air hose.
The pointer of the display instrument must remain in the green area, then the negative pressure in the cooling system is sufficient for the subsequent filling.



IMPORTANT NOTICE

- If the pointer is below the green area, repeat the procedure.
- If the vacuum drops, check the cooling system for leaks. for leaks.
- The subsequent filling must be done slowly.

- 14 Slowly open valve **A**.
 - The negative pressure in the cooling system draws coolant from the coolant tank and fills the cooling system.
 - After filling, the coolant level must be above the max mark.
- 15 Remove the cooling system filler from the coolant expansion tank **1**.
- 16 If the vehicle has a parking heater, switch it on for about 30 seconds.
- 17 Set the temperature to „HI“.
- 18 Switch off the air conditioning compressor by pressing the AC button.
The LED in the button must not light up.
- 19 Start the engine and let it run at about 1500 rpm for a maximum of 2 minutes.
- 20 With the engine running, fill coolant up to the overflow hole on the coolant expansion tank.
- 21 Tighten the cap for the coolant expansion tank until it engages.
- 22 Let the engine idle until the radiator fan starts.
- 23 Check coolant level.
 - When the engine is at operating temperature, the coolant must be at the weld **-see arrow-**.
 - When the engine is cold, the coolant must be approx. 5 mm **-see arrow-** above the max. mark.



Note: The increased coolant level is necessary because the bleeding process can still cause the coolant level to drop.

