

Engine cooling system: Specifications

Vehicles in the current range have cooling systems with the following basic specifications:

- hermetically-sealed pressurised circuit (expansion chamber valve),
- circuit using a type "D" coolant,
- passenger compartment heating system via a "heater matrix" type radiator under the dashboard.

I - GRADE AND QUANTITY OF COOLANT

Engine	Quantity (litres)	Grade
K4M	Approximately 5.45 (version with AC)	GLACEOL RX (TYPE D) Use coolant only.
K9K	Approximately 4.5 (version without AC)	

Special notes:

- protection down to **-25°C ± 2** for cold and temperate countries,
- protection down to **-40°C ± 2** for very cold countries

II - THERMOSTAT

Engine	Start of opening (°C)	End of opening (°C)
K4M	89	99 ± 2
K9K		

IMPORTANT

When working in the engine compartment, take care as the radiator fan(s) may start up unexpectedly (risk of being cut).

To avoid any risk of serious burns when the engine is hot:

- do not open the expansion bottle cap,
- do not drain the cooling system,
- do not open the bleed screw(s).

Note:

There are two procedures for checking the cooling system:

- the procedure using the
- the procedure using the

Expansion bottle cap valve rating:

Expansion bottle cap with ...	Valve rating
... a brown circle	1.2 bar
... a yellow marking	1.4 bar
... a white marking	1.6 bar
... a grey marking	1.8 bar

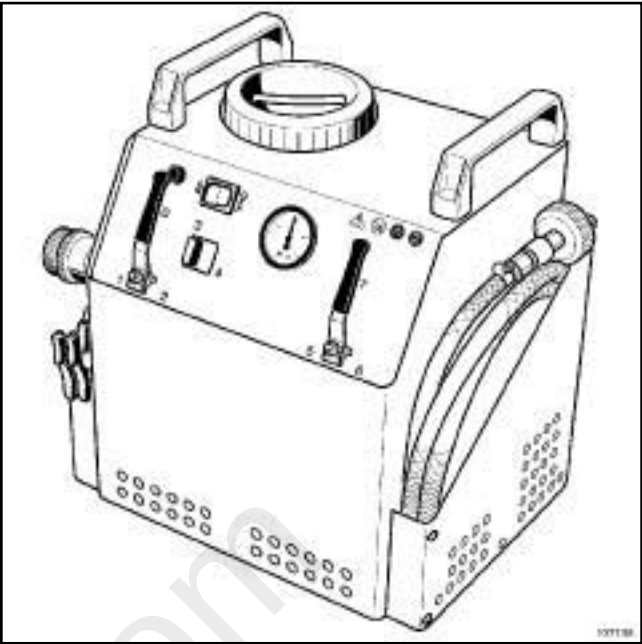
I - CHECKING THE COOLING SYSTEM USING THE TOOL (MOT. 1700)

❑

WARNING

If the coolant is leaking from the expansion bottle cap, replace the valve.

1 - Checking the expansion bottle cap valve



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- ❑ Use the cooling system filling and diagnostic tool. Consult the user's manual for this tool (see **Cooling system filling and diagnostic tool: Use**) (Technical Note 3857A, 19A, Cooling).

2 - Checking the sealing of the cooling circuit

- ❑ Use the cooling system filling and diagnostic tool. Consult the user's manual for this tool (see **Cooling system filling and diagnostic tool: Use**) (Technical Note 3857A, 19A, Cooling).

II - CHECKING THE COOLING SYSTEM USING THE TOOL (MS. 554-07)

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WARNING

If the coolant is leaking from the expansion bottle cap, replace the valve.