



Unclip the engine cooling fan assembly from the cooling radiator([see 19A, Cooling, Coolant circuit assembly: Exploded view](#)) .



Remove the engine cooling fan assembly upwards([see 19A, Cooling, Coolant circuit assembly: Exploded view](#)) .

REFITTING



Proceed in the reverse order to removal.



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ENGINE COOLING SYSTEM: CHECK



Note, one or more warnings are present in this procedure



Special tooling required

Instrument for testing the cooling circuit and the expansion bottle valve. Contains caps 554-01, 554-04, 554-06

Ms. 554-07

Fault finding and filling - bleeding the cooling circuit.

Mot. 1700



WARNING

Before carrying out any operation on a vehicle fitted with the Stop & Start system, always follow the safety instructions [Vehicle: Precautions for the repair](#) .



WARNING

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 Fault finding and filling - bleeding the cooling circuit. (Mot. 1700) ,
- the procedure using the Instrument for testing the cooling circuit and the expansion bottle valve. Contains caps 554-01, 554-04, 554-06 (Ms. 554-07) .

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

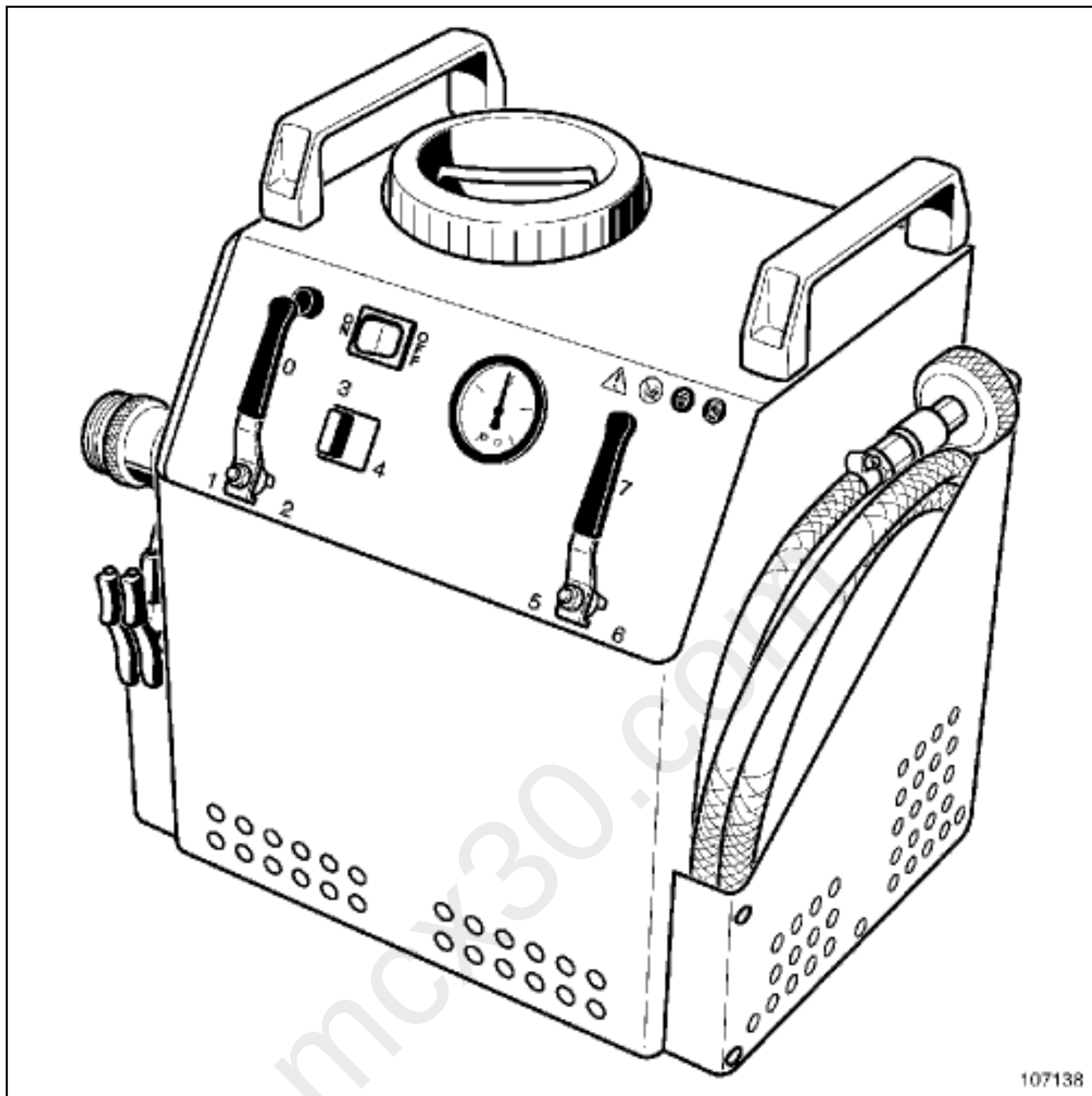
1. CHECKING THE COOLING SYSTEM USING THE TOOL (MOT. 1700)



CAUTION

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 Fault finding and filling - bleeding the cooling circuit. (Mot. 1700) . Consult the user's manual for this tool ([see 19A, Cooling, 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 Fault finding and filling - bleeding the cooling circuit. (Mot. 1700) . Consult the user's manual for this tool ([see 19A, Cooling, Cooling system filling and diagnostic tool: Use](#)) (Technical Note 3857A, 19A, Cooling).

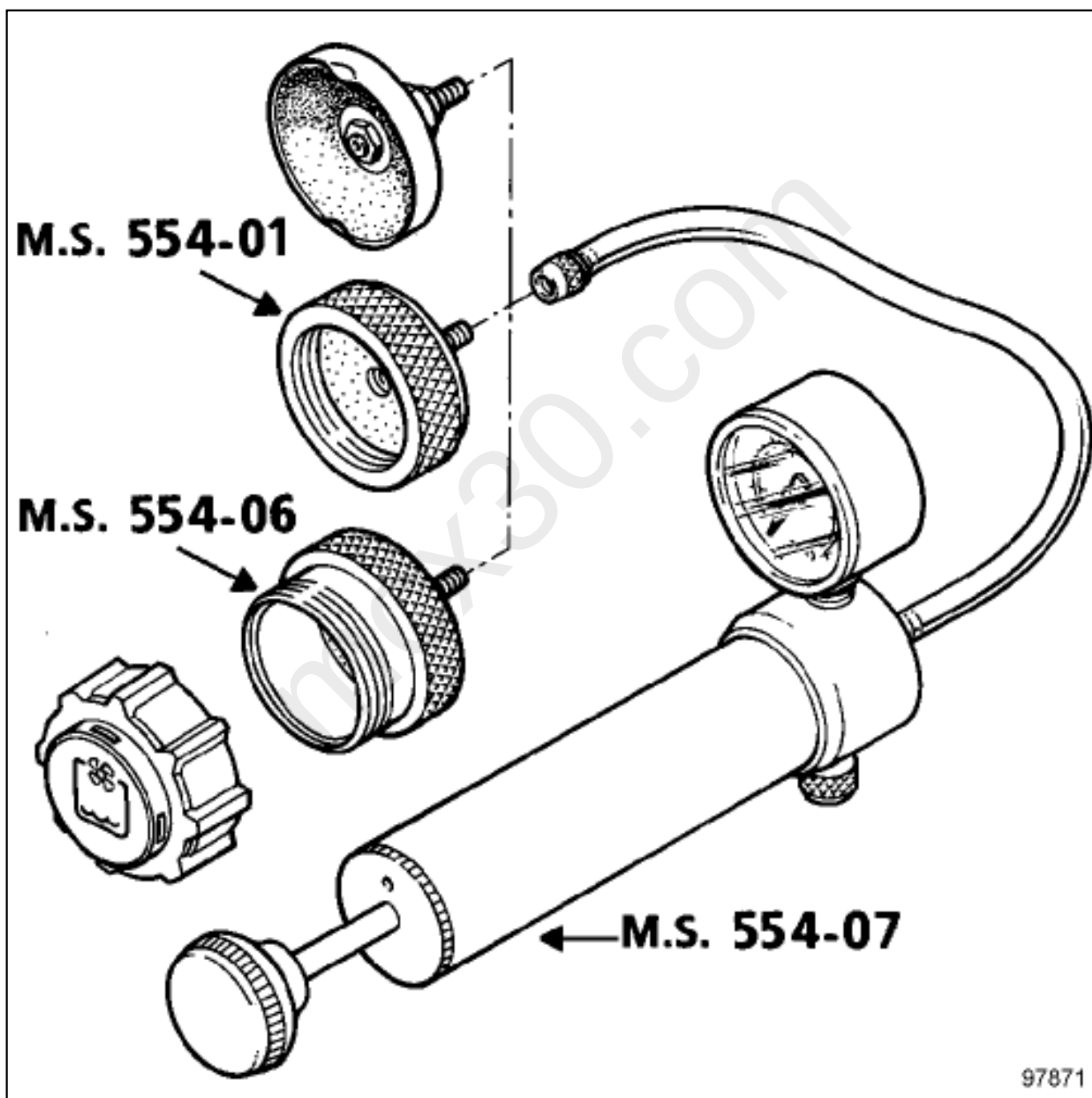
2. CHECKING THE COOLING SYSTEM USING THE TOOL (MS. 554-07)



CAUTION

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

1- CHECKING THE EXPANSION BOTTLE CAP VALVE



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■ Fit onto the testerInstrument for testing the cooling circuit and the expansion bottle valve. Contains caps 554-01, 554-04, 554-06(Ms. 554-07) , the adapter (Ms. 554-06).