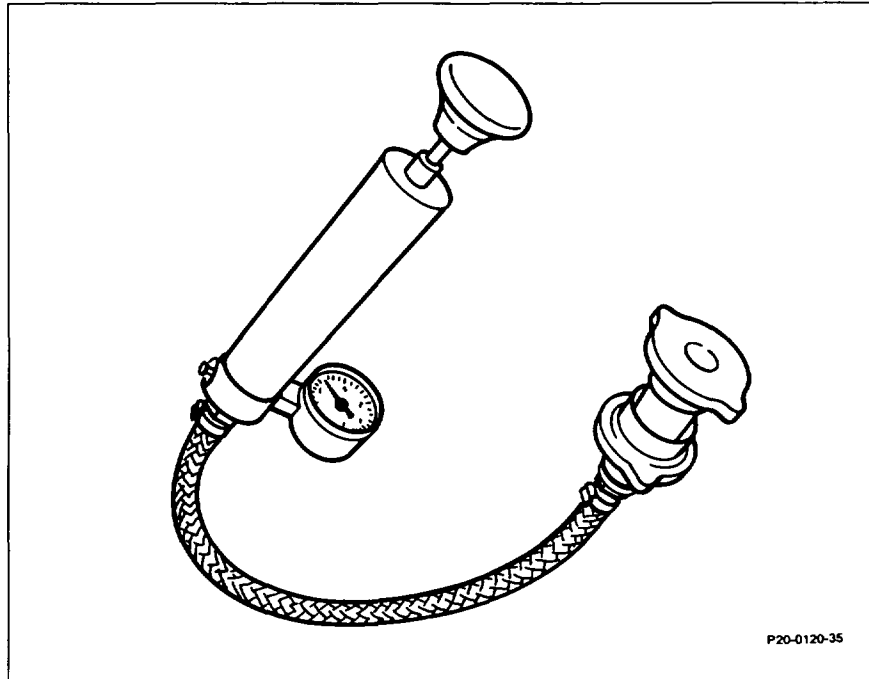


20-430 Testing cooling system pressure cap

Operation no. of operation texts and work units or standard texts and flat rates

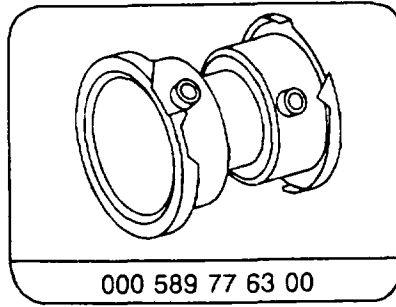
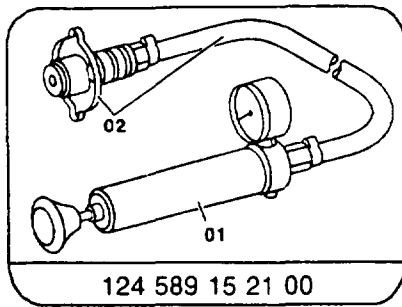


- Double union 000 589 77 63 00 connect to leaktightness tester
124 589 15 21 00 (step 1).
- Cooling system pressure cap fit onto double union 000 589 73 63 00 (step 2).
- Opening pressure test (step 3).

Pressure cap

Pressure cap code number	Pressure relief valve opens at bar gauge pressure		Vacuum valve opens at bar vacuum	Test pressure for pressure-testing cooling system in bar gauge
	new	used		
120	1.2 ± 0.1	$1.2 - 0.1$	0.1	1 - 1.3
140 as of see table	1.4 ± 0.1	$1.4 - 0.1$	0.1	1 - 1.3

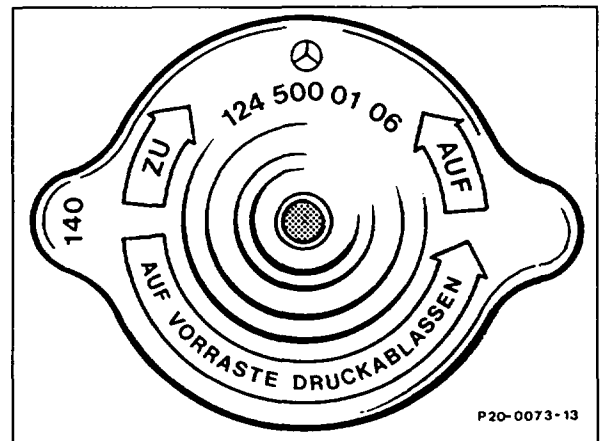
Special tools



Note

If corrosion is present on expansion tank cap, renew cap.

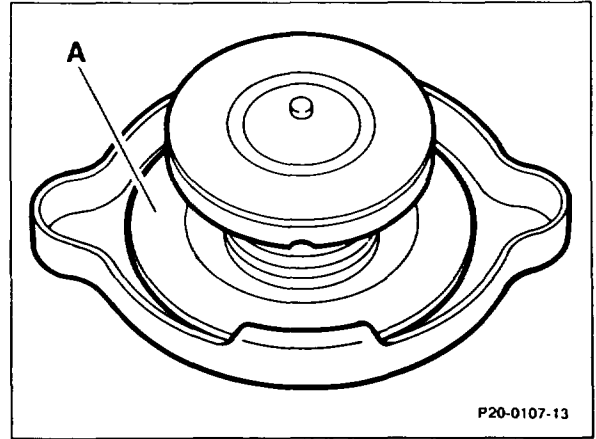
The opening pressure of the cap has been increased from the previous 1.2 bar to 1.4 bar which in turn increases the permissible coolant temperature from 125 °C to 129 °C when standard antifreeze protection exists down to -30 °C.



Expansion tank cap 1.4 bar, production breakpoint

Model		Vehicle Ident End No.
107	12.1987	A 081220
124	10.1987	A 619444
124	12.1987	F 061097
126	12.1987	A 388193
201	10.1987	A 416011
201	12.1987	F 451531

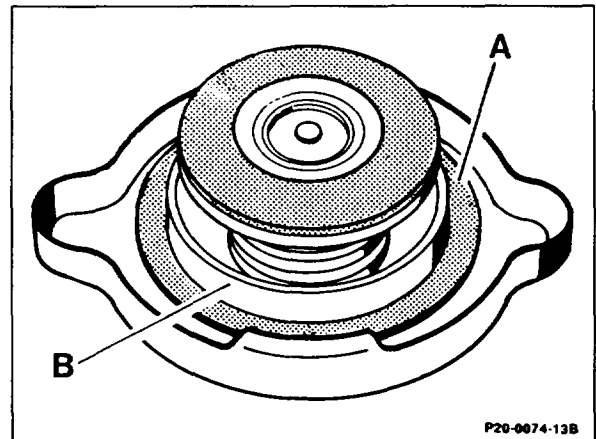
To ensure no outside air is drawn in at this cap (when vacuum exists in cooling system), it is provided with a rubber seal (A).



Caps with and without guide ring (B) are factory-fitted. Only the cap with guide ring is supplied as a replacement part, however.

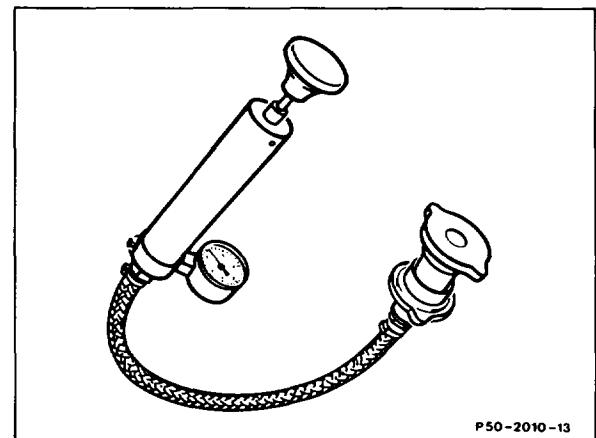
The modified cap can also be installed in cars with coolant expansion tank manufactured prior to this date.

A Seal
B Guide ring



Testing pressure relief valve

- 1 Attach double union 000 589 73 63 00 to leaktightness tester 124 589 15 21 00.
- 2 Fit cooling system cap onto double union 000 589 73 63 00.
- 3 Test the opening pressure by pumping.



Testing vacuum valve

The vacuum valve (arrow) must be resting against the rubber seal; it should be possible to raise it slightly and, when released, it should spring back into place.

Note

Corroded (surface rust) expansion tank caps should be replaced.

