

83–614 Preparations for vacuum test

Data

Permissible leaks per vacuum circuit (without vacuum reservoir)	30 mbar/min (0.03 atu) at 400 mbar (0.4 atu) vacuum
Permissible leaks in check valves	50 mbar in 10 min (0.05 atu) at 300 mbar (0.3 atu) vacuum
Permissible leaks in remaining components	20 mbar/min (0.02 atu) at 300 mbar (0.3 atu) vacuum
Plug-on length of connections	10–12 mm

Special tools

Tester for vacuum systems	116 589 25 21 00
Distributor	115 805 03 22

Self-made tool

5 Blind plugs	Welding wire 3 mm dia. 40 mm long
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Note

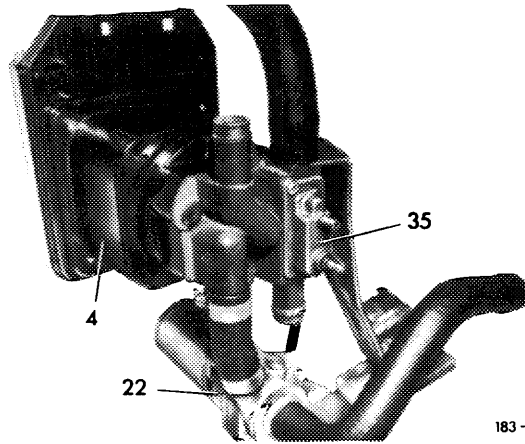
The vacuum system is subdivided into 7 test circuits, as well as into testing the pushbutton switch, the main switch, the compressor switch and the switch-over valves. If a given trouble prevails (e.g. center nozzle not opening), the respective circuit can be tested first.

If a leak or functional trouble is suspected in entire vacuum unit, proceed according to 83–615 and perform each time the first test step (total test) of a individual vacuum circuit until the faulty vacuum circuit is found. Then continue testing the respective circuit until the fault is found.

Preparing for test

1 Run engine warm, approx. 60 °C (140 °F).
Temperature switch (35) on regulating valve (4) opens.
Then shut off engine again.

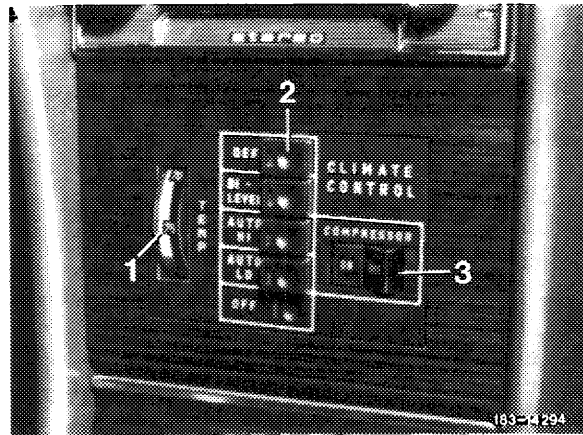
- 4 Regulating valve
- 22 Heating water pump
- 35 Temperature switch



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2 Push "AUTO-LO" button on pushbutton switch (2). "ON/OFF" switch refrigerant compressor (3) in position "ON".

- 1 Temperature dial
- 2 Pushbutton switch
- 3 "ON/OFF" switch of refrigerant compressor



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