

## 83–615 Testing check valve, vacuum reservoir, temperature switch and vent lines of regulating valve

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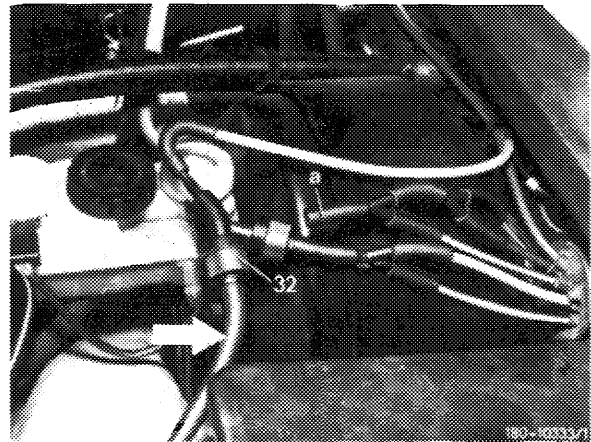
### a) Testing check valve

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1 Pull connection (a) from check valve (32).

2 Connect vacuum line of tester (refer to arrow), evacuate and read gauge.

3 If gauge shows a pressure increase, replace check valve.

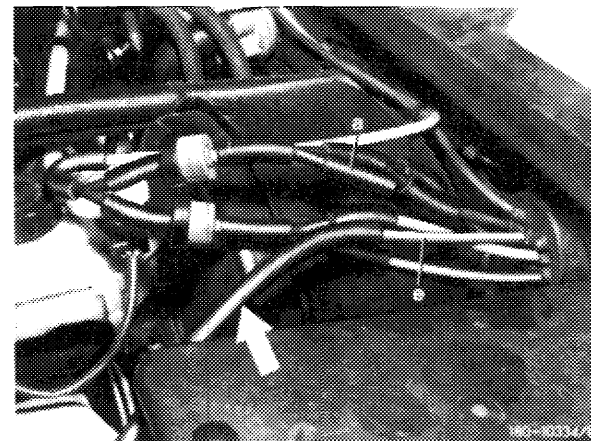


32 Check valve  
a Connection

### b) Testing vacuum reservoir

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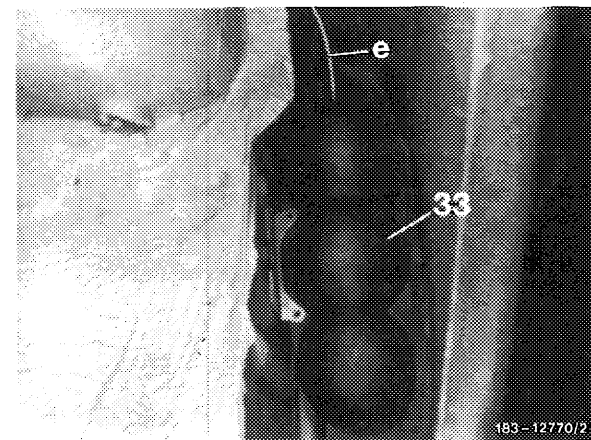
4 Pull vacuum line (e), color code gray-light blue, out of connection (a).



a Connection  
e Vacuum line  
Color code gray-light blue  
(Suction line to  
vacuum reservoir)

5 Connect vacuum line of tester (refer to arrow) to vacuum line (e) and evacuate.

6 If readout on gauge changes, replace gasket of vacuum reservoir (33) or replace vacuum reservoir (vacuum tank).



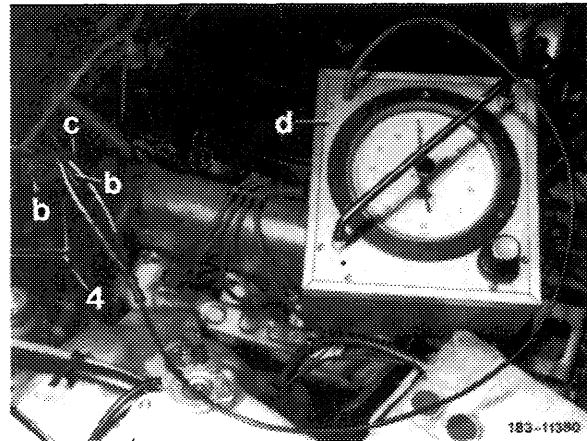
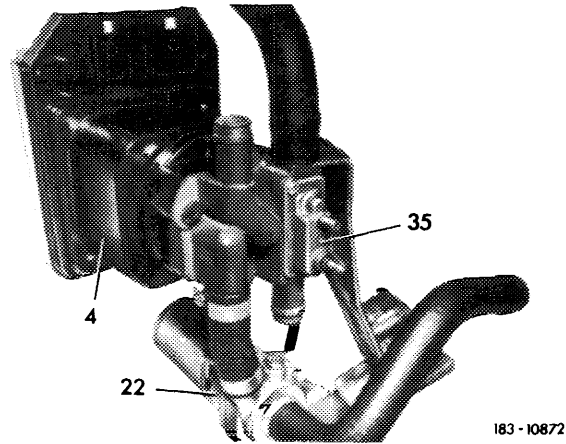
33 Vacuum reservoir  
e Vacuum line

### c) Testing temperature switch

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7 Pull vacuum line, color code black, from temperature switch (35), connect tester (d) and check temperature switch for passage. Temperature switch (35) should have passage at a coolant temperature above 40 °C (104 °F).

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



- 4 Regulating valve
- b Blind plug
- c Vacuum plug with vacuum lines
- d Tester

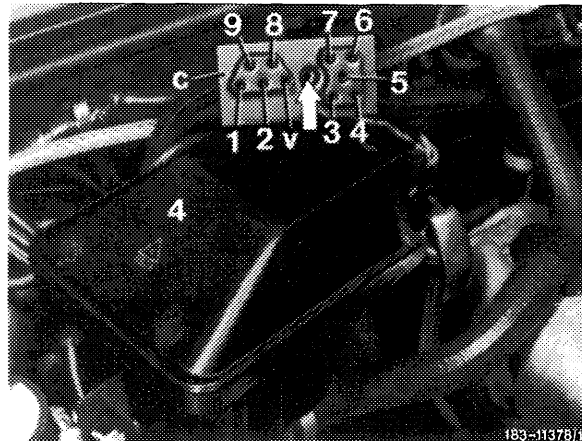
8 Disconnect tester and reinstall vacuum line.

### d) Testing vent lines

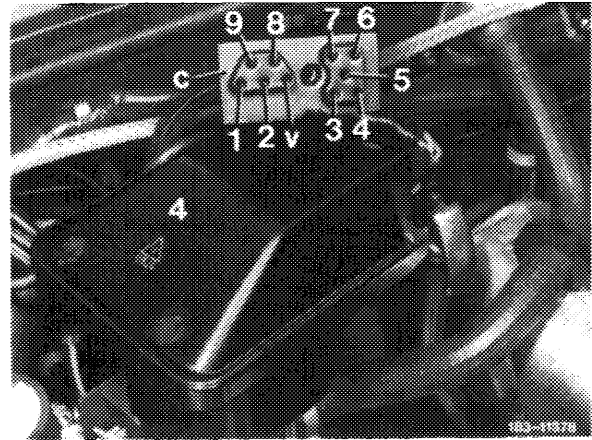
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9 Unscrew sheet metal screw (arrow) on back of vacuum plug (c) for regulating valve (4) and pull off plug.

- 4 Regulating valve
- c Vacuum plug with vacuum connection 1 to 9 and v

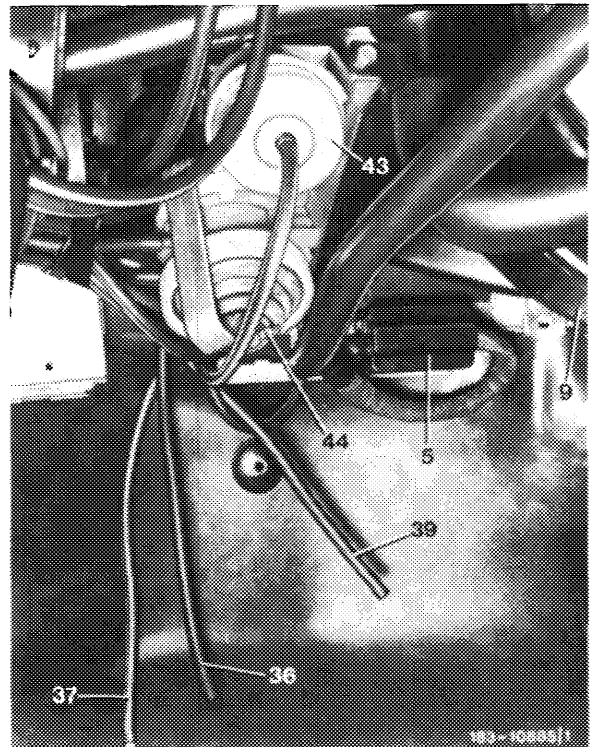


10 Connect tester to vacuum connection (v), color code black, of vacuum plug (c). Check line (39) for passage (refer also to 83-626).



- 4 Regulating valve
- c Vacuum plug with vacuum connection 1 to 9 and v

11 Connect tester to vacuum connection (9), color code white, of vacuum plug (c). Check lines (36) for passage (also refer to 83-626).



- 36 Vent line for legroom flap
- 37 Vacuum connection for tester
- 39 Vent line for regulating valve
- 43 Vacuum element for fresh air portion of fresh air-recirculating air changeover switch
- 44 Vacuum element for fresh air-recirculating air changeover switch