

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

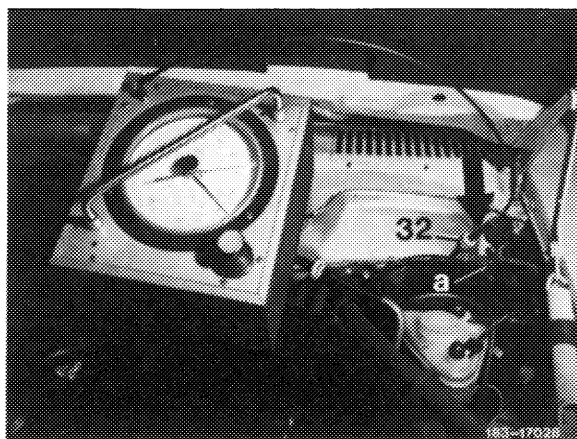
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### a) Testing check valve

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- 1 Pull distributor (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 Distributor

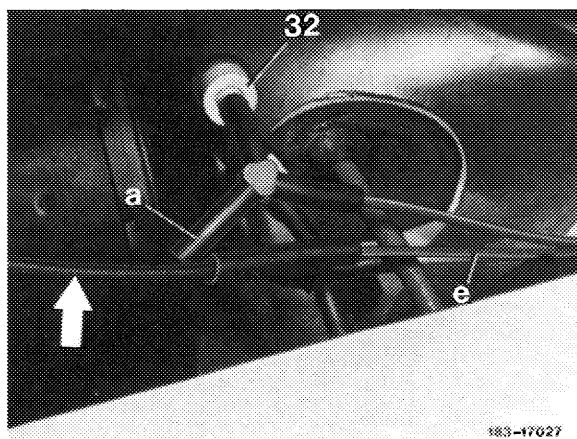


### b) Testing vacuum reservoir

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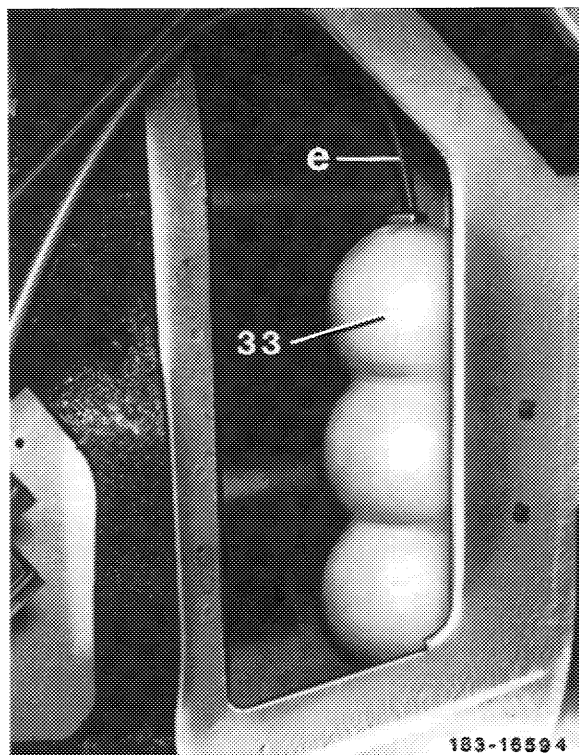
- 4 Pull vacuum line (e), color code grey/light blue, out of distributor (a).

a Distributor  
e Vacuum line  
Color code grey/light blue  
(suction line to vacuum reservoir)



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

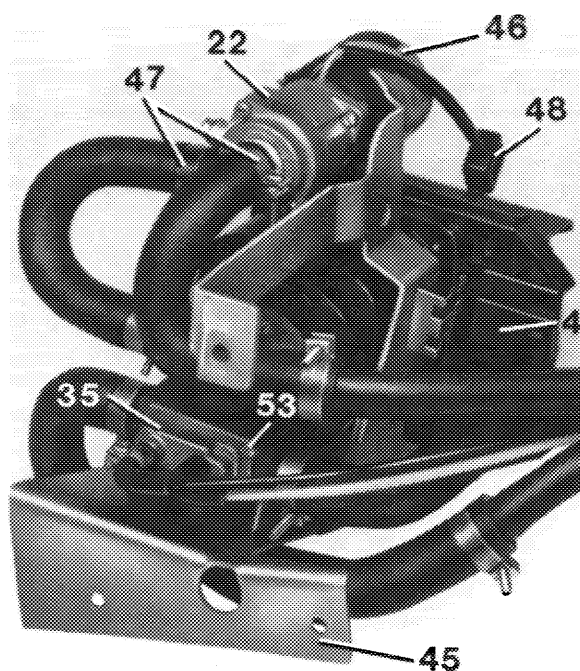
6 If readout on gauge changes, replace gasket of vacuum reservoir (33) or replace vacuum reservoir (vacuum tank).



33 Vacuum reservoir  
e Vacuum line

### c) Testing temperature switch

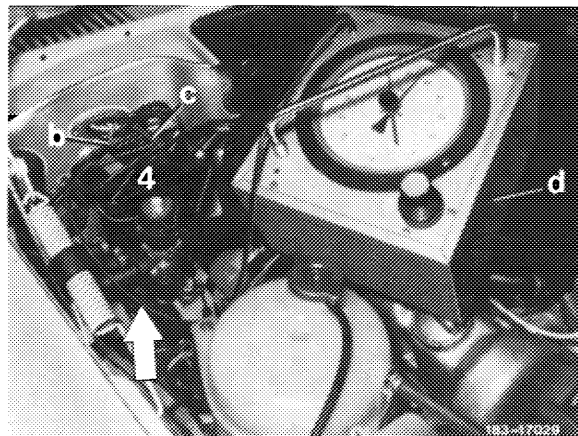
7 Pull vacuum line, color code black, from temperature switch (35), connect tester (d) and check temperature switch for passage. Temperature switch (35) should have passage at coolant temperature above 40 °C (104 °F).



Layout of temperature switch in regulating valve

- |  |                  |
|--|------------------|
| 4 Regulating valve                     | 46 Clamp         |
| 22 Heating water pump                  | 47 Hose clamp    |
| 35 Temperature switch<br>(water valve) | 48 Electric plug |
| 45 Holder                              | 53 Screw         |

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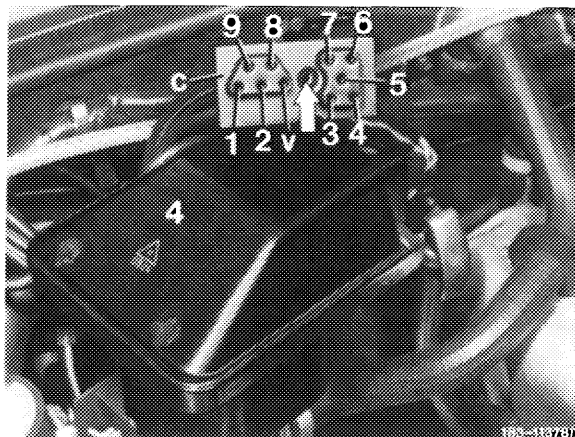


- 4 Regulating valve
- b Blind plug
- c Vacuum plug with vacuum lines
- d Tester

8 Disconnect tester and reinstall vacuum line.

#### d) Testing vent lines

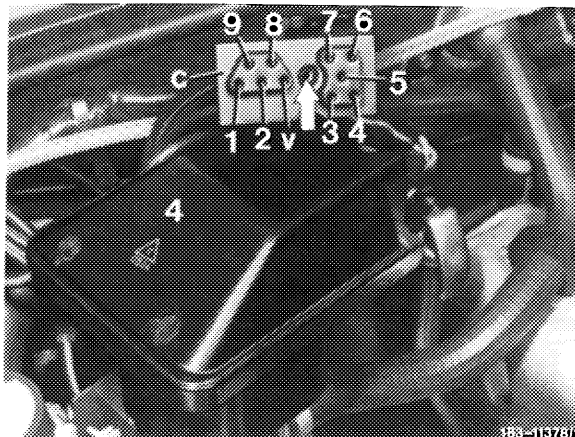
9 Unscrew sheet metal screw (arrow) on vacuum plug (c) for regulating valve (4) and pull off plug.



- 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 (also refer to 83-626/2).

11 Connect tester to vacuum connection (9), color code white, of vacuum plug (c). Check line (36) for passage (also refer to 83-626/2).



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