

Data

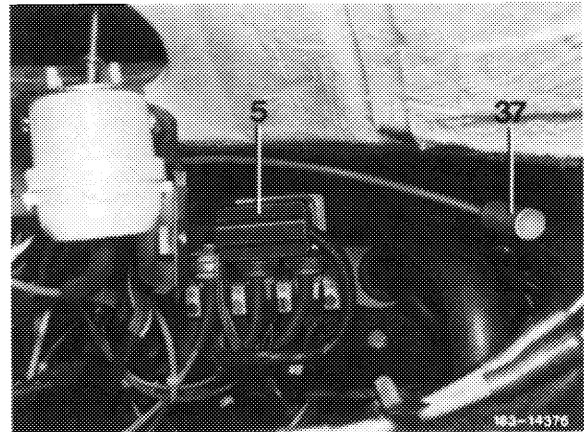
Adjustment on temperature dial	Medium headroom temperature in °C (°F)
65	18 ± 2 (64)*
75	24 ± 2 (75)
85	30 ± 2 (86)

\* may not be attained at high outside temperature.

If the medium headroom temperatures are not attained or if they are too low or too high, set system to colder or warmer by turning temperature dial on potentiometer shaft held in place by means of adjusting wrench (83-611).

If an adequate control quality is nevertheless not attained, also check venting of in-car temperature sensor (83-711).

1 If the tester is still connected to system, disconnect system while plugging 10-point plug connection (5) again together and close vacuum line (37) with blind plug.



Layout of 10-point plug connection for test

- 5 Plug connection for tester
- 37 Vacuum connection for tester

2 Attach one thermometer each adjacent to head of driver and co-driver and approx. 200 mm away from vehicle headlining.

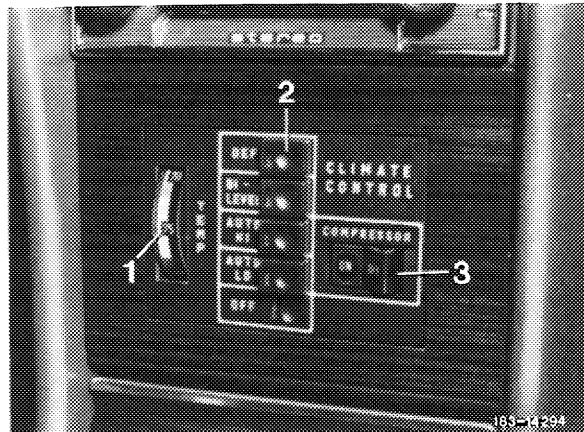
**Note:** Below 16 °C (61 °F) ambient temperature the heating water pump (22), controlled via switch (20) and (21), should run along.

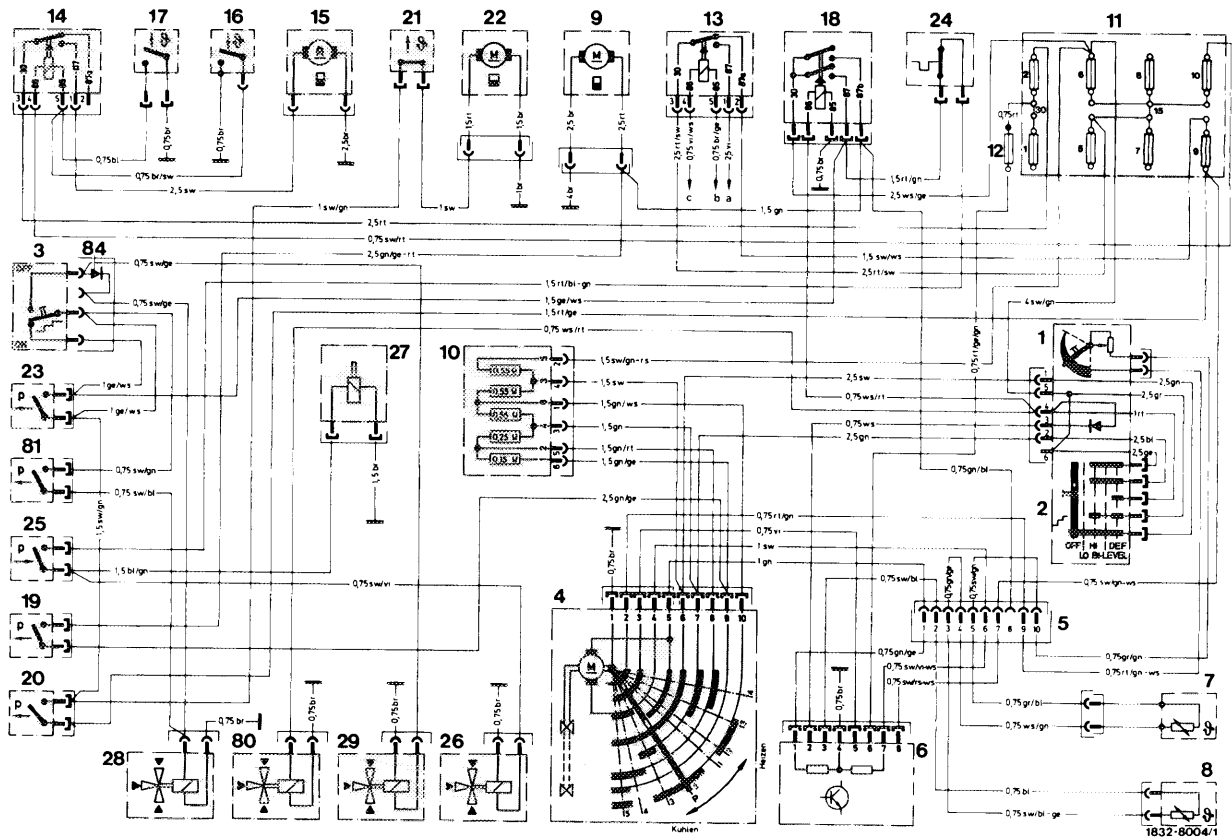
3 In selector lever position "D" on the road, maintain a driving speed of 30 to 40 mph (50 to 60 km/h) (outside temperature sensor air flow rate).

4 Adjust pusbutton switch (2) "AUTO-HI.

5 Read headroom temperature after approx. 5 to 10 minutes (refer to table).

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





Electric wiring diagram, ignition off, regulating valve in "parking" position, (standard)

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| <p>1 Temperature dial<br/> 2 Pushbutton switch<br/> 3 "ON/OFF" switch refrigerant compressor<br/> 4 Regulating valve<br/> 5 10-point plug connection for tester<br/> 6 Amplifier<br/> 7 In-car temperature sensor<br/> 8 Ambient temperature sensor<br/> 9 Blower<br/> 10 Pre-resistance for blower<br/> 11 Main fuse box<br/>     Fuse 2 : 16 amps<br/>     Fuse 6 : 16 amps<br/>     Fuse 9 : 8 amps<br/>     Fuse 10 : 8 amps<br/> 12 Additional fuse for amplifier (2 amps)<br/> 13 Relay air conditioning system<br/> 14 Relay auxiliary fan<br/> 15 Auxiliary fan<br/> 16 Temperature switch 100 °C (212 °F)<br/>     in thermostat housing for auxiliary fan<br/> 17 Temperature switch 62 °C (142 °F)<br/>     in receiver dehydrator for auxiliary fan<br/> 18 Double contact relay<br/> 19 Vacuum switch (main switch, closes with<br/>     vacuum higher than 175 mbar or 0.18 atu)</p> | <p>20 Vacuum switch (refrigerant compressor, closes with vacuum<br/>     higher than 78.5 mbar or 0.08 atu)<br/> 21 Temperature switch for heating water pump (22)<br/>     16 °C (61 °F) ON, 26 °C (79 °F) OFF<br/> 22 Heating water pump<br/> 23 Vacuum switch (for refrigerant compressor, closes with<br/>     vacuum higher than 78.5 mbar or 0.08 atu,<br/>     at "BI-LEVEL" only)<br/> 24 ETR-switch 2 °C (36 °F)<br/> 25 Pressure switch refrigerant compressor<br/>     ON 2.6 bar gauge pressure (2.6 atu)<br/>     OFF 2.0 bar gauge pressure (2.0 atu)<br/> 26 Switchover valve for maintaining constant speed<br/> 27 Electromagnetic clutch for refrigerant compressor<br/> 28 Switchover valve for vacuum element of legroom flaps<br/> 29 Switchover valve for vacuum element of fresh air-<br/>     recirculating air changeover switch<br/> 80 Switchover valve "BI-LEVEL" (at "DEF")<br/> 81 Vacuum switch (closes with vacuum higher than<br/>     78.5 mbar or 0.08 atu, at "BI-LEVEL" only)<br/> 84 Diode</p> <p>a Cable connector starter terminal 50<br/> b Starter lockout and back-up lamp switch<br/> c Ignition starter switch terminal 50</p> |
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