

Data

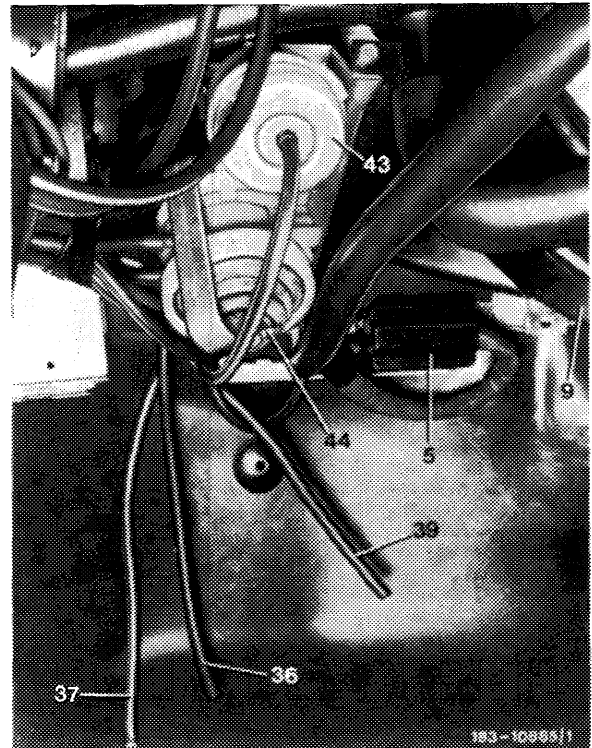
Adjustment on temperature dial	Medium headroom temperature in °C (°F)
65	18 ± 2 (64) *
75	24 ± 2 (75)
85	30 ± 2 (86)

* may not be attained at high outside (ambient) temperatures.

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 (PR 83.3).

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



Layout of 10-point plug connection for tester

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

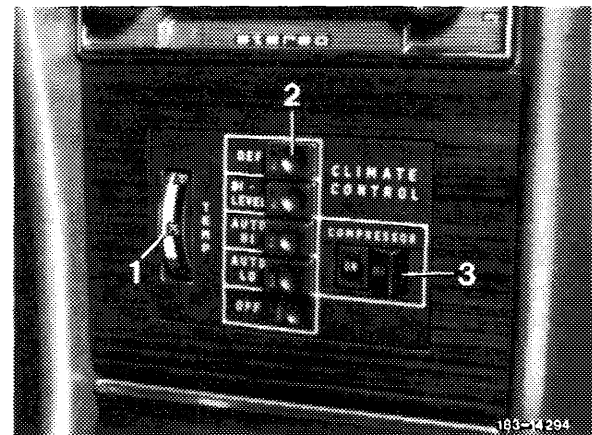
2 Attach one thermometer each adjacent to head of driver and co-driver (front passenger) and approx. 200 mm away from vehicle headlining.

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

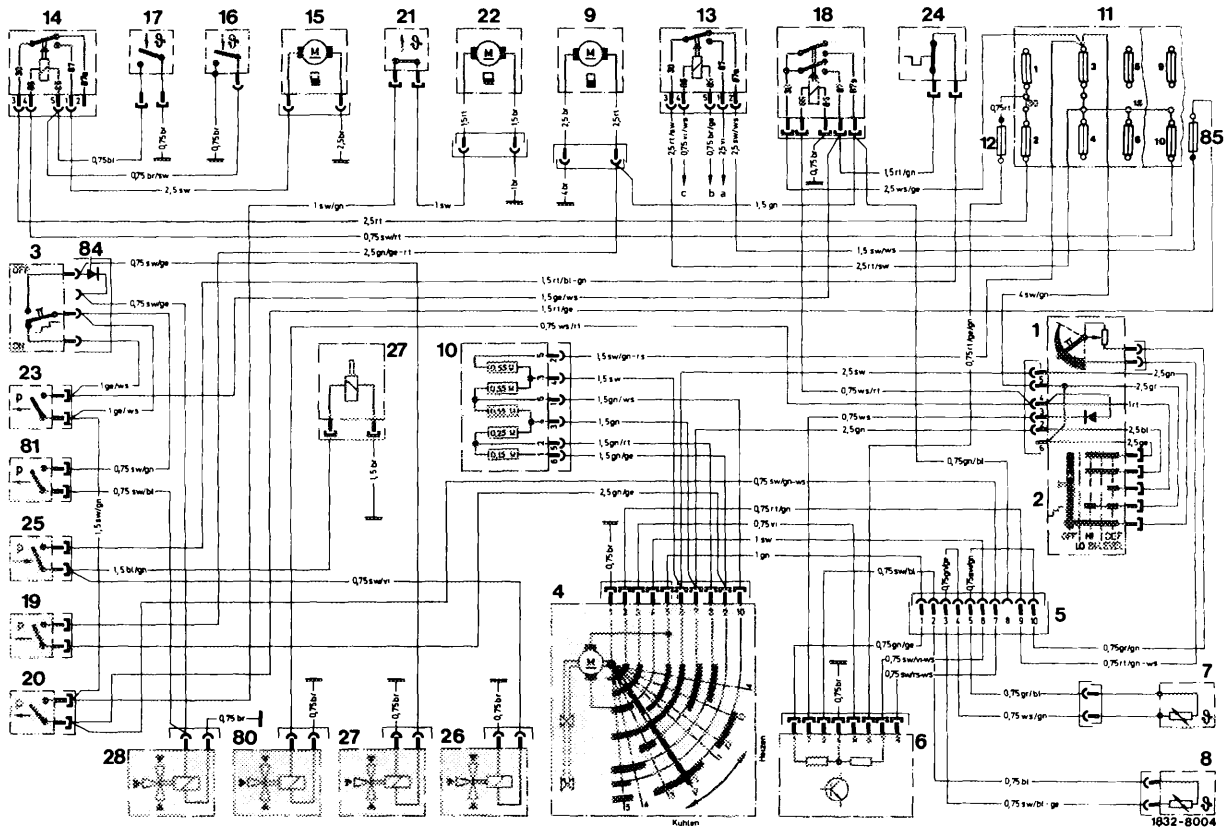
3 In selector lever position "D" maintain a road speed of 30 to 40 mph (50 to 60 km/h) (ambient temperature sensor air flow).

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

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



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



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

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|---|--|
| <p>1 Temperature dial
 2 Pushbutton switch
 3 "ON/OFF" switch refrigerant compressor
 4 Regulating valve
 5 10-point plug connection for tester
 6 Amplifier
 7 In-car temperature sensor
 8 Ambient temperature sensor
 9 Blower
 10 Preresistor for blower
 11 Main fusebox
 Fuse 2 : 16 amps.
 Fuse 3 : 16 amps.
 Fuse 10 : 16 amps.
 12 Additional fuse for amplifier (2 amps.)
 13 Relay air conditioning system
 14 Relay auxiliary fan
 15 Auxiliary fan
 16 Temperature switch 100 °C (212 °F)
 Thermostat housing for auxiliary fan
 17 Temperature switch 62 °C (142 °F)
 in receiver dehydrator for auxiliary fan
 18 Double contact relay
 19 Vacuum switch (main switch, closes with vacuum above 175 mbar or 0.18 atu)
 20 Vacuum switch (refrigerant compressor, closes with vacuum above 78.5 mbar or 0.08 atu)
 21 Temperature switch for heating water pump (22)
 16 °C (61 °F) ON, 16 °C (79 °F) OFF
 22 Heating water pump
 23 Vacuum switch (for refrigerant compressor, closes with vacuum above 78.5 mbar or 0.08 atu, only at "BI-LEVEL")
 24 ETR switch 2 °C (36 °F)
 25 Pressure switch refrigerant compressor
 ON 2.6 bar gauge pressure (2.6 atu)
 OFF 2.0 bar gauge pressure (2.0 atu)
 26 Switchover valve for keeping speed constant (not on model 116.020/120)
 27 Electromagnetic clutch for refrigerant compressor
 28 Switchover valve for vacuum element of legroom flaps
 29 Switchover valve for vacuum element of fresh air-recirculating air changeover switch
 80 Switchover valve "BI-LEVEL" (at "DEF")
 81 Vacuum switch (closes with vacuum above 78.5 mbar or 0.08 atu, only at "BI-LEVEL")
 84 Diode
 85 Additional fuse (5 amps.) for heating water pump, refrigerant compressor and amplifier (standard version only)
 a Cable connector starter terminal 50
 b Starter lockout and back-up light switch
 c Ignition starter switch terminal 50</p> | <p>20 Vacuum switch (refrigerant compressor, closes with vacuum above 78.5 mbar or 0.08 atu)
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 16 °C (61 °F) ON, 16 °C (79 °F) OFF
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