

Data

Cut-in temperature °C	+ 4.5 ± 1 + 16 ± 2	completely cold minimum cold
Cut-out temperature °C	+ 1 ± 1	
Difference between cut-in and cut-out temperature in rotary range°	3.5 ± 1	
Angle of rotation°	315 ± 5	

Note

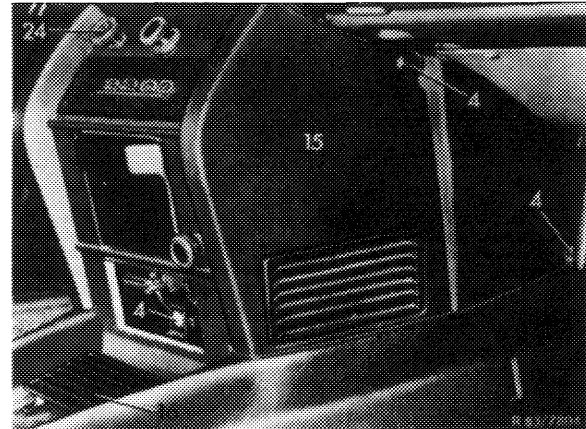
During function test (83–510) of air conditioning system the air outlet temperature should not be less than 1 °C. A prerequisite is that the fluid level of the system is in order and that the required pressures at suction and pressure end of compressor are attained. If the measured temperature is outside the (83–510) established data, the temperature switch should be reset.

Adjustment

1 Remove housing (15) between instrument panel and tunnel. For this purpose, unscrew sheet-metal screws and two hole nuts (4) at left and right in housing.

Layout of temperature vacuum switch in housing (version 2)

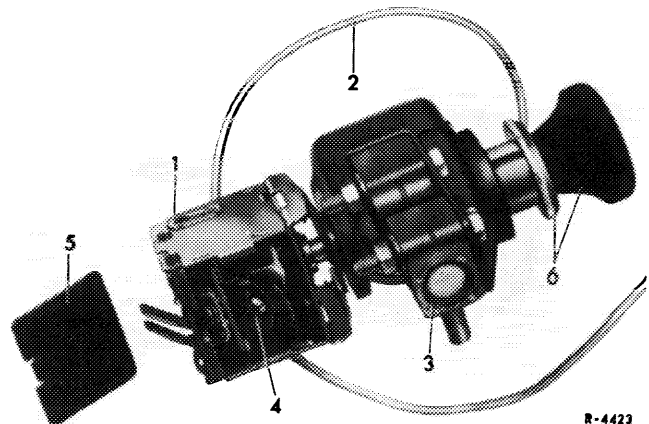
- 4 Two-hole nut or sheet-metal screw
- 15 Housing
- 16 Cover
- 24 Temperature vacuum switch



2 Pull off handle for control unit (not applicable on vehicle with temperature vacuum switch). Pull out housing as far as possible and loosen electric plug connection on cigar lighter, as well as on any special switches installed.

Temperature vacuum switch

- 1 Temperature switch
- 2 Capillary
- 3 Vacuum switch
- 4 Adjusting screw
- 5 Closing cover
- 6 Knob with rosette



R-4423

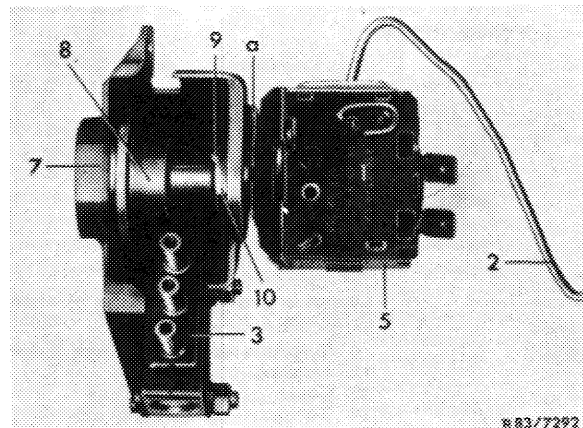
- 3 Pull closing cover (5) from temperature switch (1).
- 4 Adjust temperature switch (1) by turning adjusting screw (4). A full turn corresponds to approx. 2 °C. Then reattach closing cover to temperature switch.

Removal

- 5 Pull knob from temperature switch and unscrew rosette.
 - 6 Remove temperature switch from housing and disconnect electrical connections.
 - 7 On vehicles with temperature vacuum switch, pull off hose lines.
- Note:** If the hose lines are not identified, mark hose lines according to color code on vacuum switch prior to pulling off.
- 8 Loosen nut (10) and remove temperature switch (1) from housing (7).

Temperature vacuum switch

- | | |
|-----------------|----------------|
| 2 Capillary | 8 Control disc |
| 3 Vacuum switch | 9 Washer |
| 5 Closing cover | 10 Nut |
| 7 Housing | a Fixing nose |



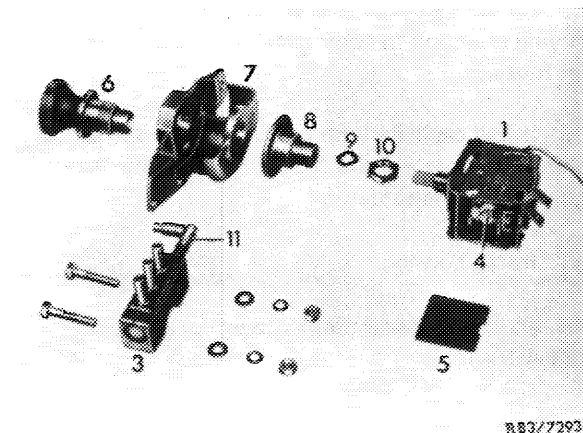
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Installation

- 9 Insert control disc (8), washer (9) and nut (10) into housing (7).

Temperature vacuum switch

- | | |
|----------------------|----------------|
| 1 Temperature switch | 7 Housing |
| 3 Vacuum switch | 8 Control disc |
| 4 Adjusting screw | 9 Washer |
| 5 Closing cover | 10 Nut |
| 6 Knob with rosette | 11 Piston rod |



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10 Introduce new temperature switch through housing (7) into control disc (8) and screw-on with nut (10). Make sure that the fixing nose in temperature switch enters bore in housing.

11 If the vacuum switch (3) has been released or replaced, readjustment according to Item 12 is required.

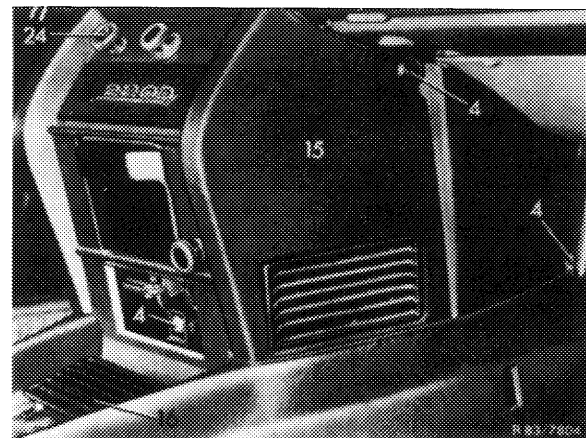
12 Set temperature switch (1) to full cooling capacity, then displace vacuum switch in oblong holes until rear recess in piston rod (11) is in alignment with front edge of vacuum switch. The tolerance for adjustment is given by the width of the recess of approx. 3 mm.

13 Tighten vacuum switch.

14 Mount temperature switch or temperature vacuum switch to housing (15).

Layout of temperatures vacuum switch in housing (version 2)

- 4 Two-hole nut or sheet-metal screw
- 15 Housing
- 16 Cover
- 24 Temperature vacuum switch



15 Connect electric lines and plug-on vacuum lines, paying attention to color code on vacuum switch and on hoses.

16 Install capillary with temperature sensor (2) for climate cabinet and slip for approx. 120 mm into guide tube in evaporator.

17 Install housing.

18 Check air conditioning system for function (83–510).