

**Data**

Cut-in temperature °C	4.5 ± 1	completely cold
	16.0 ± 2	minimum cold
Cut-out temperature °C	1.0 ± 1	
Difference between cut-in and cut-out temperature in rotary range angle of rotation °	3,5 ± 1	
Total angle of rotation °	315.0 ± 5	

**Note**

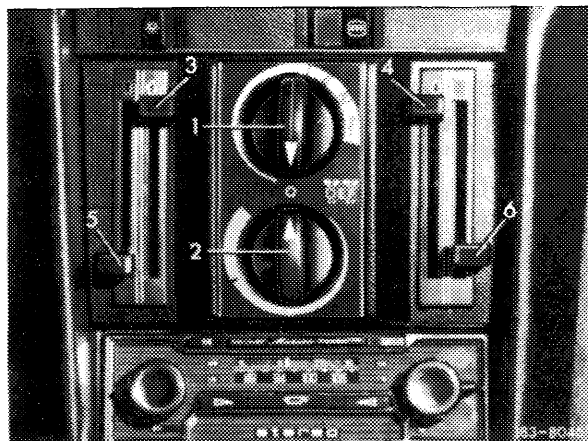
During function test (83–510) of air conditioning system the air outlet temperature should not be less than 1 °C. A prerequisite is that the fluid level of the system is in order and that the required pressures at suction and pressure end of compressor are attained. If the measured temperature is outside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

**Adjustment**

- 1 Pull knob from temperature vacuum switch (2) and unscrew nut.
- 2 Remove cover for control switch (68–200).

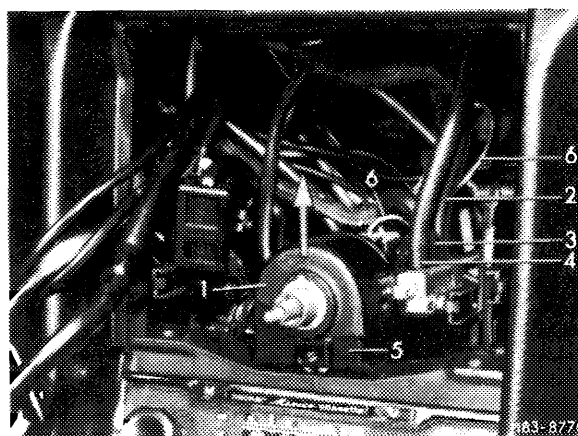
Layout of temperature vacuum switch

- 1 Blower switch
- 2 Temperature vacuum switch



- 3 Lift temperature vacuum switch in upward direction from holder (5).

- 1 Temperature vacuum switch
- 2 Hose line (identification dark green or green/orange)
- 3 Hose line (identification medium green or green/yellow)
- 4 Hose line (identification light green or green/light blue)
- 5 Holder for temperature vacuum switch
- 6 Capillary



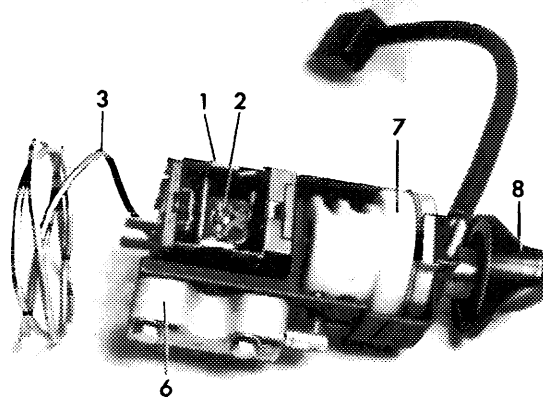
4 Pull closing cover from temperature switch (1).

5 Adjust temperature switch (1) by turning adjusting screw (2). One full turn corresponds to approx. 2 °C. Then slide back closing cover on temperature switch.

6 Complete additional installation (83–542, item 11 to 16).

#### Temperature vacuum switch

- 1 Temperature switch
- 2 Temperature adjusting screw (counterclockwise „colder“)
- 3 Capillary
- 6 Vacuum switch
- 7 Drum for controlling vacuum switch
- 8 Knob



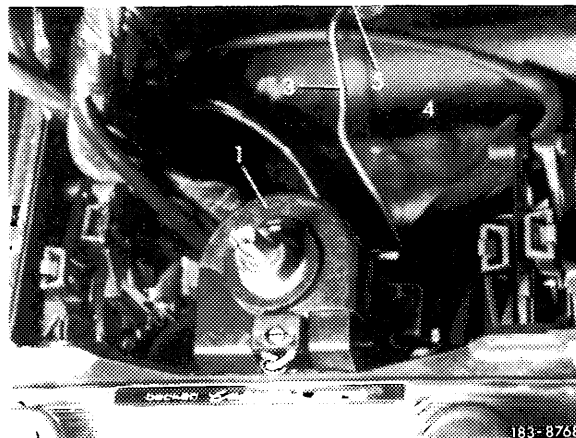
183-8767

#### Removal

7 Pull capillary (3) with temperature sensor out of air conditioner unit (4). Pull two flat plugs from temperature switch and also release double plug connection.

#### Layout of capillary with temperature sensor

- 1 Temperature switch
- 3 Capillary
- 4 Air conditioner unit
- 5 Guide tube for capillary



183-8768

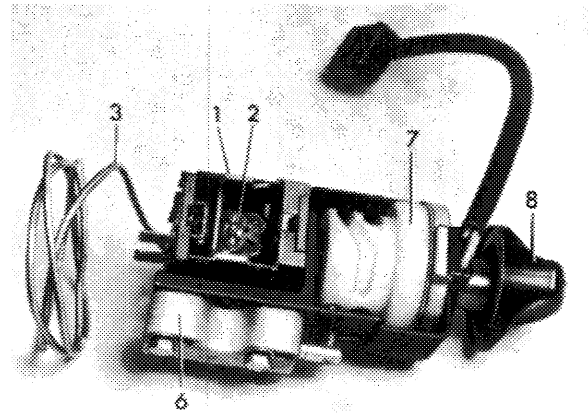
8 Pull hose lines (2 to 4) from vacuum switch.

**Note:** If the hose lines are not identified, mark hose lines according to colour code on vacuum switch prior to pulling off.

#### Installation

9 Join double coupler of auxiliary harness to plug of temperature vacuum switch.

10 Insert two flat plugs on temperature switch.



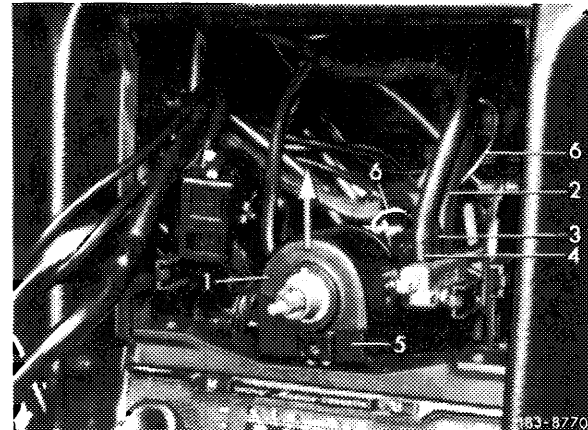
#### Temperature vacuum switch

- 1 Temperature switch
- 2 Temperature adjusting screw (counterclockwise „colder“)
- 3 Capillary
- 6 Vacuum switch
- 7 Drum for controlling vacuum switch
- 8 Knob

163-8767

11 Plug temperature vacuum switch (1) to holder (5).

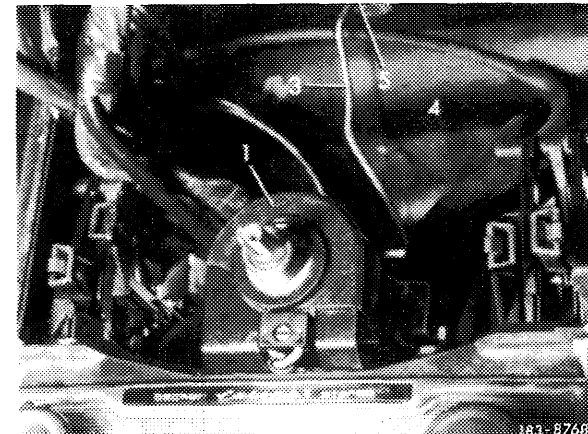
12 Plug hose lines on vacuum switch according to colour coding.



- 1 Temperature vacuum switch
- 2 Hose line (identification dark green or green/orange)
- 3 Hose line (identification medium green or green/yellow)
- 4 Hose line (identification light green or green/light blue)
- 5 Holder for temperature vacuum switch
- 6 Capillary

163-8768

13 Install capillary with temperature sensor (6) for air conditioner unit (3) and slip into guide tube (2) in evaporator up to mark.



#### Layout of capillary with temperature sensor

- 1 Temperature switch
- 3 Capillary
- 4 Air conditioner unit
- 5 Guide tube for capillary

163-8768

14 Install cover for control switch.

15 Screw temperature switch with nut to cover. Check bulb in temperature switch for correct seat and fit knob (8).

16 Check temperature switch for function.