Data

Switching temperatures	Switching-on: + 3.5° ± 1° C compl. cold + 15.5° ± 2° C least cold
	Switching-off: 0° ± 1° C

Note

During the performance test (83.1–510) of the air-conditioning system the air outlet temperature should not drop below 0° C. A prerequisite is that the fluid level of the system is in order and that the required pressures at the suction and discharge end of the compressor are attained. If the temperature measured does not correspond to the values specified in Job No. 83.1–510, the temperature switch must be readjusted.

Adjustment

1 Remove escutcheon with knob from temperature vacuum switch (2) (Fig. 1).

2 Remove cover (7) (68.1–200, item 9 to 12).

3 Remove temperature vacuum switch from holder (5) in upward direction (Fig. 3).

4 Remove cover from temperature switch (1) (Fig. 3).

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

6 For further installation refer to item 12 and 17 to 19.

Removal

7 Remove escutcheon with knob from temperature vacuum switch (2) (Fig. 1).

8 Remove cover (7) (68.1–200, item 9 to 12).

9 Remove temperature vacuum switch (1) upwards in direction of arrow from holder (5) (Fig. 2).

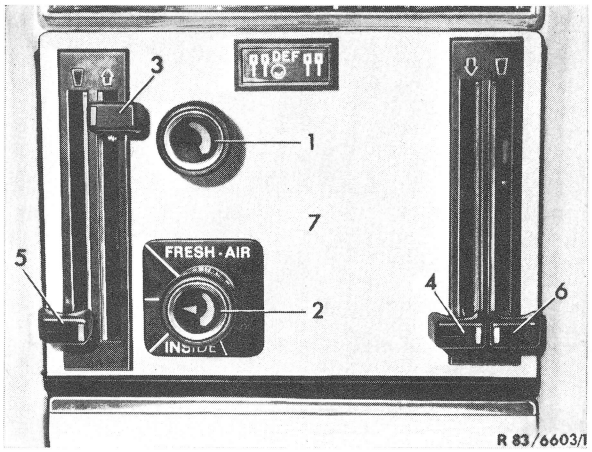

Figure 1 Layout of temperature vacuum switch
1 Blower switch
2 Temperature vacuum switch
7 Cover

10 Pull capillary (1) with temperature sensor out of evaporator box (3). Pull the three flat plugs from temperature switch and also loosen double plug connection (Fig. 2 and 4).

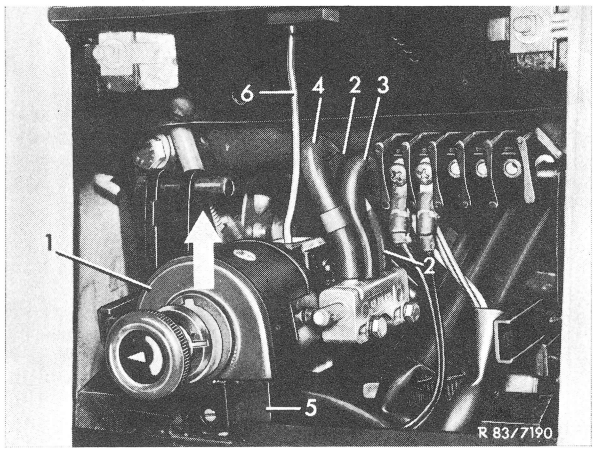

Figure 2
1 Temperature vacuum switch
2 Hose line (identification white)
3 Hose line (without identification)
4 Hose line (identification green)
5 Holder for temperature vacuum switch
6 Capillary

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

Note: If the hose lines are not identified (white or green tape) identify hose lines according to color code on vacuum switch prior to pulling off.

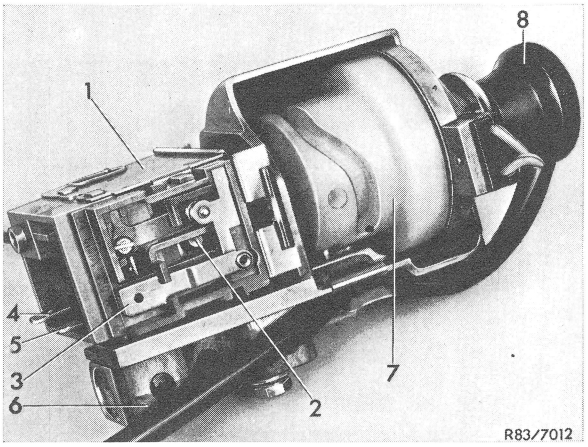

Figure 3
Temperature vacuum switch

1 Temperature switch
2 Temperature adjusting screw (toward left "colder")
3 Terminal 4
4 Terminal 2
5 Terminal 1
6 Vacuum switch
7 Drum for controlling vacuum switch
8 Knob with escutcheon

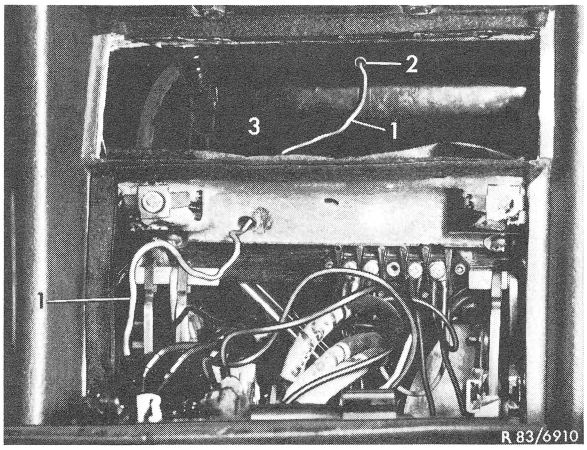

Figure 4
Layout of capillary with temperature sensor

1 Capillary
2 Guide pipe
3 Evaporator box

Installation

12 Attach temperature vacuum switch (1) to holder (5) or on vehicles without holder (5) screw with knob and escutcheon (8) to cover (7) (Fig. 1 to 3).

13 Plug double coupling of supplementary line assembly to plug of temperature vacuum switch.

14 Connect electric line black/green to terminal 1, line black/blue to terminal 2, and the two electric lines blue/white and grey to terminal 4 of temperature switch (Fig. 3).

15 Attach hose lines to vacuum switch as follows:

Green adhesive tape to connection with light green color dot,

white adhesive tape to connection with dark green color dot,

without adhesive tape to connection with medium green color dot.

16 Lay capillary with temperature sensor (1) toward evaporator box (3) and slide into guide pipe (2) in evaporator up to mark (275 mm) (Fig. 4).

17 Reinstall cover (7).

On vehicles without holder (5), attach temperature vacuum switch (1) to cover (7) first.

On vehicles with holder (5), screw knob with escutcheon (8) through cover (7) to temperature vacuum switch.