

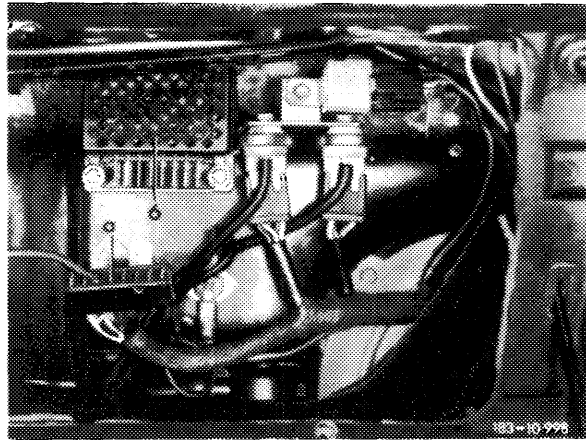
Resistances for balancing sensor chain

| Ambient temperature | | Dial setting °F | | | | |
|---------------------|-------|-----------------|------|-------|-------|------|
| °C | (°F) | 65 °F | | 75 °F | 85 °F | |
| | | min. | max. | | min. | max. |
| 18 | (64) | 2550 | 3450 | 3590 | 3730 | 4740 |
| 19 | (66) | 2530 | 3330 | 3470 | 3610 | 4620 |
| 20 | (68) | 2420 | 3220 | 3360 | 3510 | 4500 |
| 21 | (70) | 2320 | 3120 | 3270 | 3420 | 4390 |
| 22 | (72) | 2230 | 3020 | 3170 | 3330 | 4290 |
| 23 | (74) | 2140 | 2920 | 3090 | 3240 | 4190 |
| 24 | (76) | 2050 | 2820 | 3000 | 3150 | 4090 |
| 25 | (78) | 1970 | 2730 | 2920 | 3070 | 4000 |
| 26 | (79) | 1890 | 2650 | 2840 | 2990 | 3920 |
| 27 | (80) | 1820 | 2570 | 2770 | 2910 | 3840 |
| 28 | (81) | 1750 | 2490 | 2690 | 2840 | 3760 |
| 29 | (84) | 1670 | 2410 | 2620 | 2770 | 3690 |
| 30 | (86) | 1600 | 2340 | 2550 | 2700 | 3620 |
| 31 | (88) | 1540 | 2270 | 2490 | 2640 | 3550 |
| 32 | (90) | 1480 | 2210 | 2430 | 2590 | 3500 |
| 33 | (92) | 1440 | 2150 | 2380 | 2540 | 3440 |
| 34 | (93) | 1380 | 2080 | 2320 | 2490 | 3370 |
| 35 | (96) | 1340 | 2030 | 2260 | 2440 | 3320 |
| 36 | (97) | 1290 | 1970 | 2200 | 2390 | 3260 |
| 37 | (98) | 1250 | 1910 | 2150 | 2340 | 3160 |
| 38 | (100) | 1210 | 1860 | 2090 | 2290 | 3110 |
| 39 | (102) | 1170 | 1810 | 2030 | 2250 | 3070 |
| 40 | (104) | 1130 | 1770 | 1980 | 2200 | 3020 |

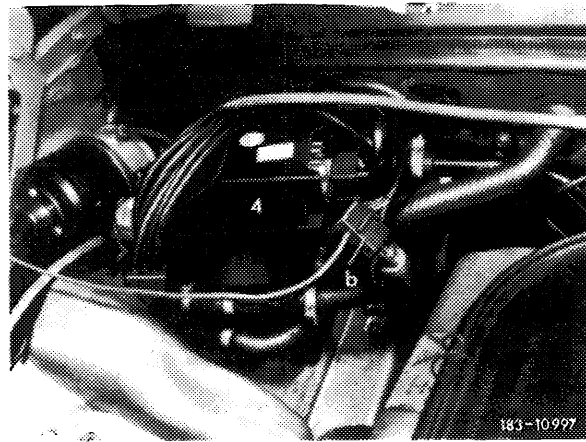
1 For balancing and subsequent control measurements, a uniform temperature on in-car sensor and ambient temperature sensor must be assured. For reliable attainment of such a condition, leave vehicle overnight (at least 6 hours) in workshop with vehicle windows opened. Engine should not be started again.

2 Remove glove box. Then connect an ohmmeter between terminal 3 of plug connection on amplifier and terminal 2 of plug connection of regulating valve. For this purpose, pull off coupling on amplifier and front coupling on regulating valve (refer to electrical wiring diagram 83-605).

- a 8-point plug connection
- 6 Amplifier



- b 5-point plug connection front
- 4 Regulating valve

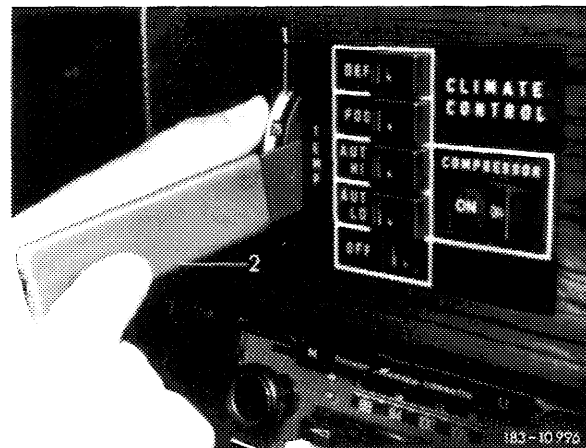


3 Measure workshop temperature (= sensor temperature) and take pertinent resistance value for adjustment 75 °F from diagram (table).

4 Set to determined resistance by rotating temperature dial.

5 Hold potentiometer shaft in position by means of adjusting wrench (2) and set temperature dial (1) to 75 °F by rotating on shaft.

- 1 Temperature dial
- 2 Adjusting wrench



6 Turn temperature dial to 65 °F (up to stop). Read resistance value on measuring instrument and compare with value taken from table for adjustment to 65 °F to check.

7 Set temperature dial up to stop to 85 °F and compare shown resistance also with value in table.

8 If the resistance values measured according to item 6 and 7 are not in accordance with the respective values in table, a portion of the sensor chain (in-car or ambient temperature sensor or nominal value — potentiometer of temperature dial) is outside the permissible resistance tolerance and must be replaced. Test ambient and in-car temperature sensor, as well as potentiometer in temperature dial (83–609).