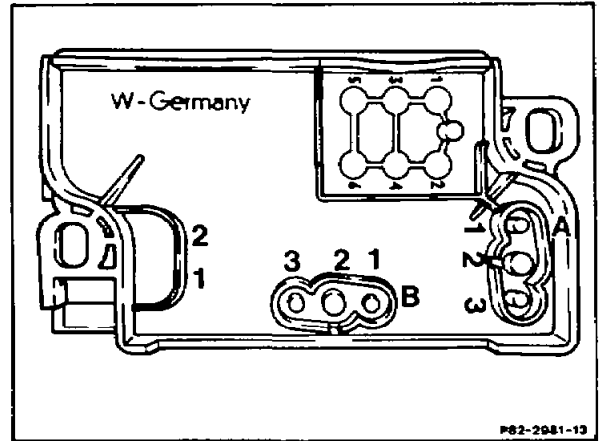
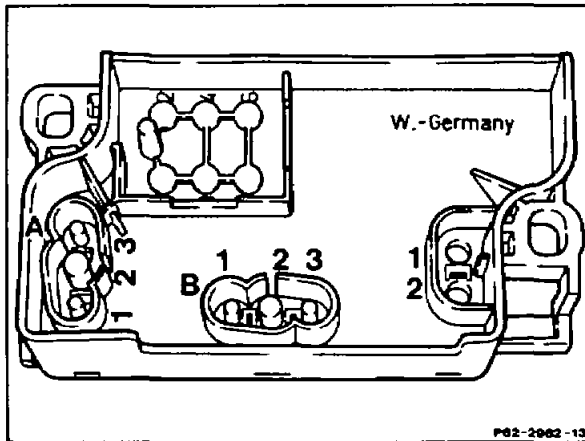


82-0866 Testing voltage-coded switch for power seat adjustment with memory as of 06/90

Operation no. of operation texts and work units or standard texts and flat rates:

A. Measuring resistance at seat adjustment switch



Switch position	Measurement at switch between: Coupling A and coupling B		Resistance measurements *
	Left-hand switch	Right-hand switch	
Memory board 1 Height adjustment rear high Height adjustment rear low Seat adjustment forward Seat adjustment back	Coupling A pin 1 and Coupling B pin 1	Coupling A pin 3 and Coupling B pin 1	286.96 ohms 155.22 ohms 72.53 ohms 42.17 ohms 15.88 ohms
Memory board 2 Head restraint high Head restraint low Height adjustment front high Height adjustment front low	Coupling A Pin 1 and 3	Coupling A Pin 1 and 3	286.96 ohms 155.22 ohms 72.53 ohms 42.17 ohms 15.88 ohms
Memory Backrest forward Backrest back	Coupling A pin 1 and Coupling B pin 3	Coupling A pin 3 and Coupling B pin 3	286.96 ohm 42.17 ohms 15.88 ohms
No operation	Coupling A pin 1 and Coupling B pin 1	Coupling A pin 3 and Coupling B pin 1	2.2 K ohms
No operation	Coupling A Pin 1 and 3	Coupling A Pin 3 and pin 1	2.2 K ohms
No operation	Coupling A pin 1 and Coupling B pin 3	Coupling A pin 3 and Coupling B pin 3	2.2 K ohms

* Tolerance $\pm 1\%$

B. Measuring resistance at 10-pin coupling at control unit

Couplings at seat adjustment switch plugged in

Switch position	Measurement at 10-pin coupling of switch and memory electronic control between:	Resistance measurements *
Memory board 1	Contact 4 (ws/br) and contact 3 (ws/ge)	286.96 ohms
Height adjustment rear high	Contact 4 (ws/br) and contact 3 (ws/ge)	155.22 ohms
Height adjustment rear low	Contact 4 (ws/br) and contact 3 (ws/ge)	72.53 ohms
Seat adjustment forward	Contact 4 (ws/br) and contact 3 (ws/ge)	42.17 ohms
Seat adjustment back	Contact 4 (ws/br) and contact 3 (ws/ge)	15.88 ohms
Memory board 2	Contact 4 (ws/br) and contact 2 (ws/rt)	286.96 ohms
Head restraint high	Contact 4 (ws/br) and contact 2 (ws/rt)	155.22 ohms
Head restraint low	Contact 4 (ws/br) and contact 2 (ws/rt)	72.53 ohms
Height adjustment front high	Contact 4 (ws/br) and contact 2 (ws/rt)	42.17 ohms
Height adjustment front low	Contact 4 (ws/br) and contact 2 (ws/rt)	15.88 ohms
Memory	Contact 4 (ws/br) and contact 1 (ws/gn)	286.96 ohms
Backrest forward	Contact 4 (ws/br) and contact 1 (ws/gn)	42.17 ohms
Backrest back	Contact 4 (ws/br) and contact 1 (ws/gn)	15.88 ohms
No operation	Contact 4 (ws/br) and contact 3 (ws/ge)	2.2 K ohms
No operation	Contact 4 (ws/br) and contact 2 (ws/rt)	2.2 K ohms
No operation	Contact 4 (ws/br) and contact 1 (ws/gn)	2.2 K ohms

* Tolerance $\pm 1\%$

If the resistances measured in tests A and B do not agree with the specified resistances, look for the fault in the wiring harness.

C. Testing seat adjustment motors

Unplug coupling to respective seat adjustment motor at the control unit (N32/1 or N32/2).
Connect seat adjustment motor to a voltage source using the security cable
(Part no. 124 589 37 63 00), and test operation.

Seat adjustment motor	Connection
Seat adjustment forward/back (VZ)	Contact 1 and contact 2
Seat height adjustment rear (HH)	Contact 1 and contact 2
Seat height adjustment front (VH)	Contact 1 and contact 2
Backrest adjustment (L)	Contact 1 and contact 2
Head restraint (K)	Contact 1 and contact 4

If no fault is found at the switches, the wiring and the motors, the control unit (N32/1 or N32/2) must be replaced.

Commercially available tools

Multimeter

e.g. Sun DMM-5
FLUKE 23 DB