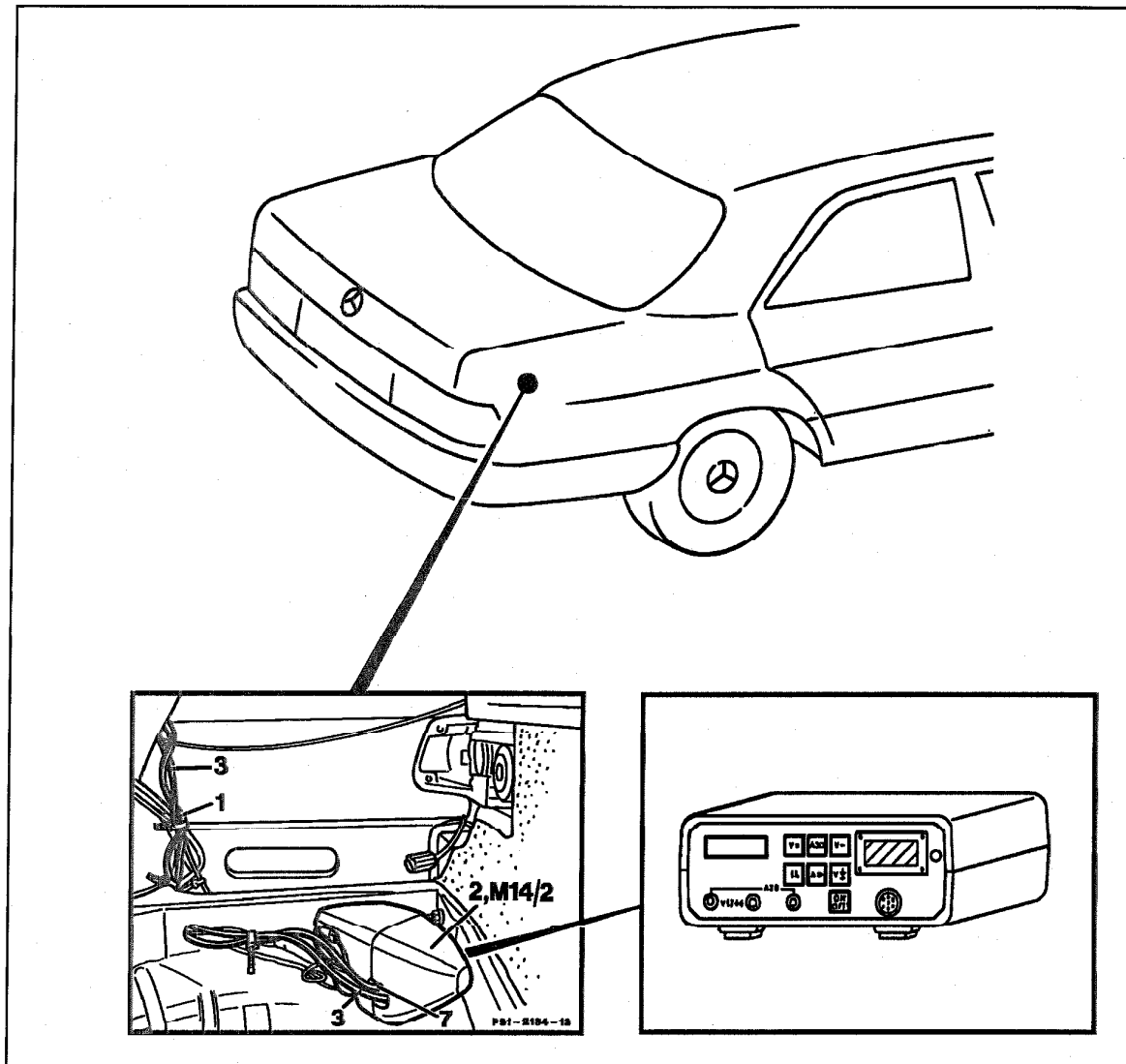


80-104 Testing electrical function of central locking system

Preliminary work:

Checking function of central locking system (80-090)



P80-0069-59

Test preparation	Items 1-6.
Check voltage supply of the supply pump	Battery voltage (> 10 V).
Check control voltage with vehicle unlocked	Battery voltage (> 10 V).
Check control voltage with vehicle locked	Battery voltage (> 10 V).
Check contacts of the coupling on the supply pump	According to condition: Eliminate faulty contacts or replace supply pump.

80-104 Testing electrical function of central locking system

Commercially available tool

Digital multimeter

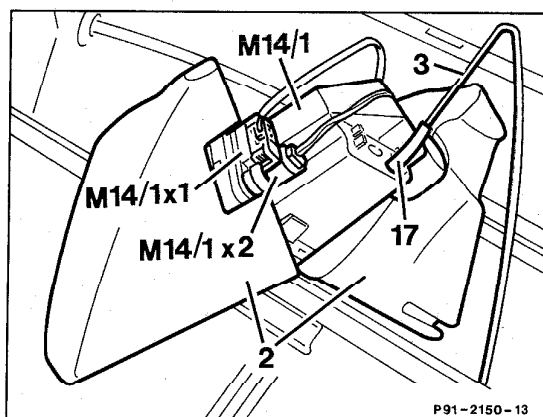
e.g. SUN DMM-5

CAUTION!

On vehicles with **EDW system**, disconnect intermediate plug of the EDW cable harness from the connector (M14/1x2) or (M14/2x2) and connect central locking system cable harness directly to the supply pump. Again check function of central locking system. If function is o.k., check EDW system.

Test preparation

- 1 Expose supply pump (M14/1) and remove from the protective foam material cap (80-270).
- 2 Check fuse for central locking system, see enclosure in fuse box lid.
- 3 Remove key from steering lock.
- 4 Close driver's and front passenger doors.
- 5 Disconnect coupling (M14/1x1) of the electrical cable harness from the supply pump (M14/1).
- 6 Open coupling housing and reconnect jacks without housing (brown cable = ground).



P91-2150-13

P91-2150-13

80-104 Testing electrical function of central locking system

Test

Check voltage supply of the supply pump.

Connect digital multimeter. Lock and unlock central locking system with the key. Then reinstall coupling housing.

Nominal value: battery voltage > 10 V

Yes

No

Check voltage supply according to wiring diagram (80-800).

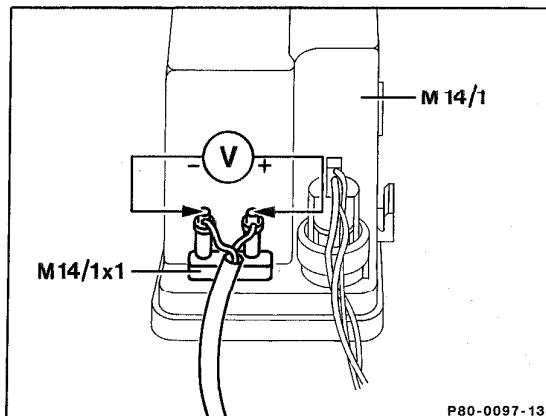
Check control voltage with vehicle unlocked.

Unlock central locking system at all 3 operating points with the key.
Connect digital multimeter to the two couplings of the cable harness one after the other in positions A, B and C (flat portion of the round coupling facing down).

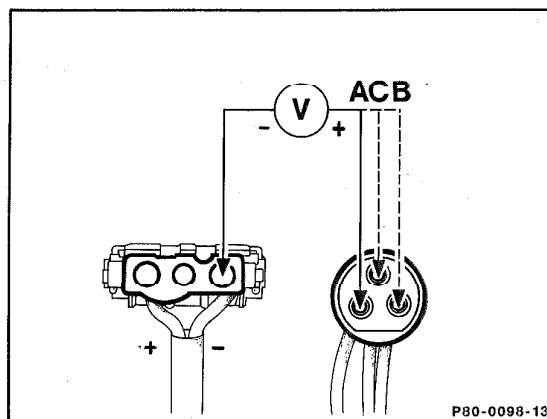
Nominal value in position A, B and C: battery voltage > 10 V

Yes

No



P80-0097-13



P80-0098-13

80-104 Testing electrical function of central locking system

No battery voltage in position:

- A Check control and working element front door, right (80-112).
- B Check control and working element front door, left (80-112).
- C Check control and working element trunk lid lock (80-112).

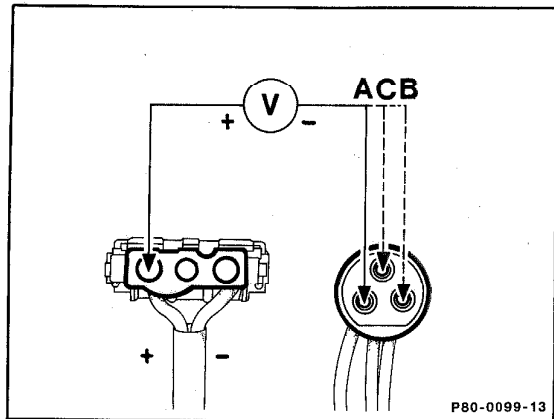
Check control voltage with vehicle locked.

Lock central locking system at all 3 operating points with the key.
Connect digital multimeter to the two couplings of the cable harness one after the other in positions A, B and C (flat portion of the round coupling facing down).

Nominal value in positions A, B and C: battery voltage > 10 V.

Yes

No



P80-0099-13

80-104 Testing electrical function of central locking system

