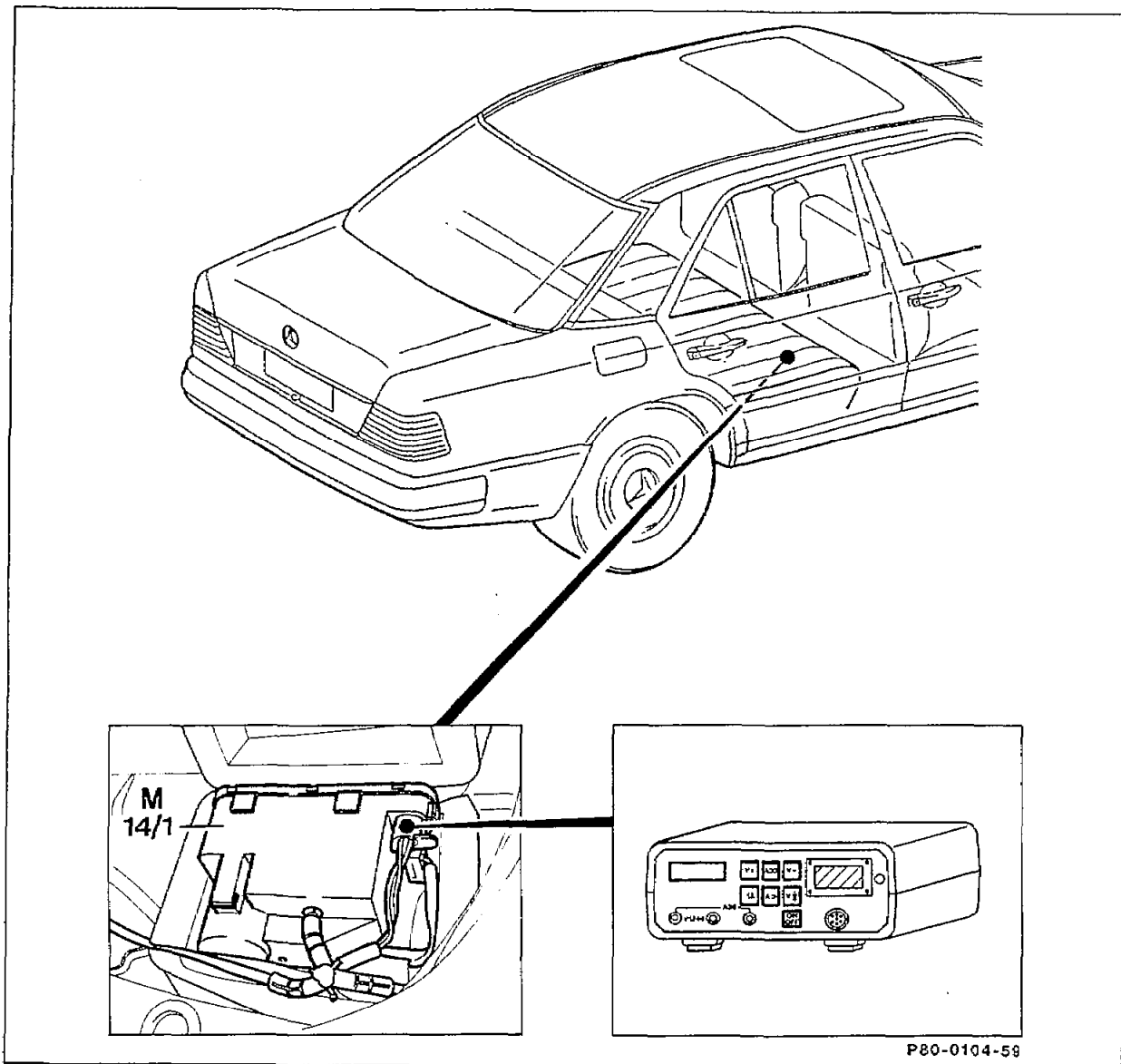


80-104 Checking electrical function of central locking system

Preceding operation:
Checking function of central locking system (80-090)

Operation no. of operation texts and work units
or standard texts and flat rates 80-0025

1st version except (D) as of 03/94 and vehicles with code 885



Prepare tests

Steps 1 - 6

Check power supply of supply pump

Battery voltage (> 10 V)

Check control voltage when car unlocked	Battery voltage (> 10 V).
Check control voltage when car locked	Battery voltage (> 10 V).
Check contacts of connectors at supply pump	according to findings: rectify contact fault or replace supply pump.

Commercial tester

Digital multimeter

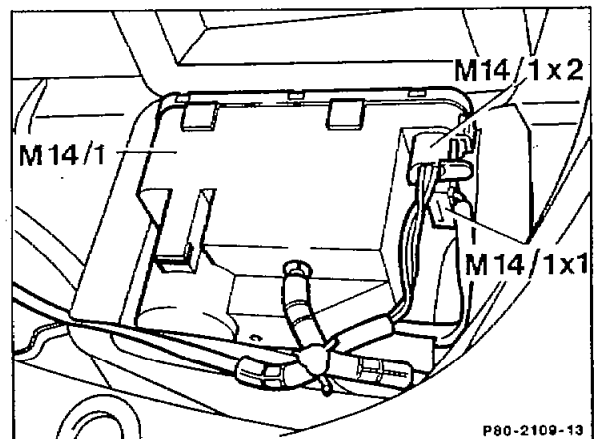
e. g. Sun, DMM-5



On cars fitted with **anti-theft alarm**, detach intermediate plug of anti-theft harness at connector (M14/1x2) or (M14/2x2) and connect central locking system harness direct to supply pump. Following this, once again check operation of central locking system. If system now operates, check anti-theft alarm.

Preparing test

- 1 Expose supply pump (M14/1) and remove from protective foam cap (80-270).
- 2 Check fuse for central locking system, refer to label in fuse cover.
- 3 Withdraw key from steering lock.
- 4 Close both front doors.
- 5 Detach connector (M14/1x1) of electric wiring harness at supply pump (M14/1).
- 6 Open connector housing and re-connect bushes without housing (brown lead = ground).



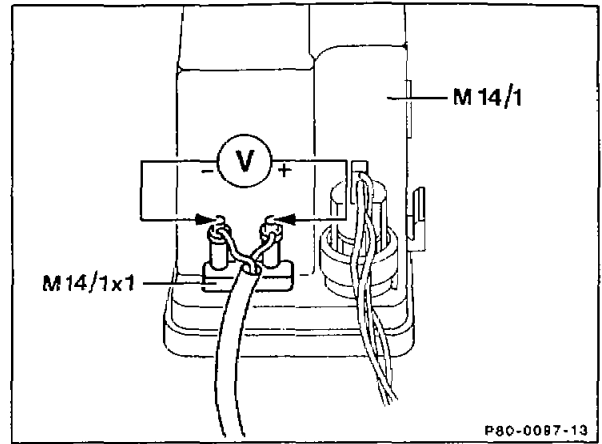
Test

Test power supply of supply pump.

Connect digital multimeter as shown in illustration. Lock and unlock central locking system with key. Re-fit connector housing.

Specification: Battery voltage > 10 V

yes	no
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Test power supply according to wiring diagram (80-800).

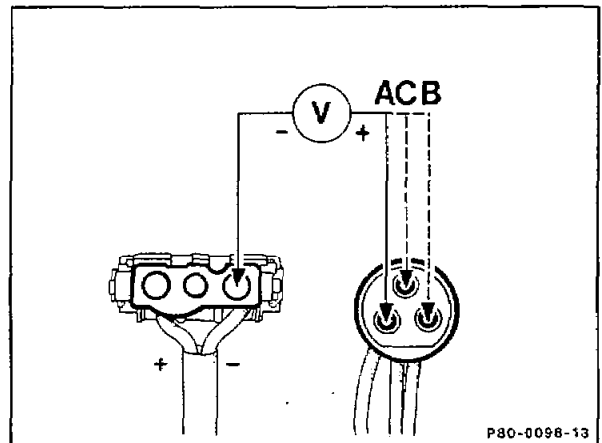
Test control voltage with car unlocked.

Unlock central locking system at all 3 locking points with the key.

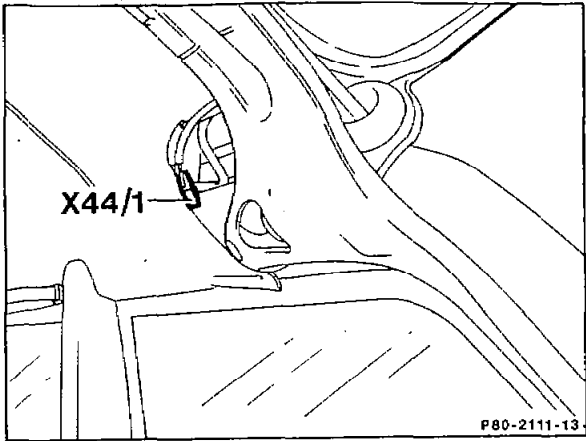
Connect digital multimeter to the two connectors of wiring harness as shown in ill. in turn in positions A, B and C (flat face of round connector downwards).

Specification in positions A, B and C: Battery voltage > 10 V.

yes	no
-----	----



No battery voltage in position:
 A Test right front door actuator (left for RHD) (80-112).
 B Test left front door actuator (right for RHD) (80-112).
 C Test trunk lid or tailgate actuator (80-112).
 On Station Wagon, check contacts of connector of central locking system/trunk lock (X44/1) prior to test (refer to ill.).

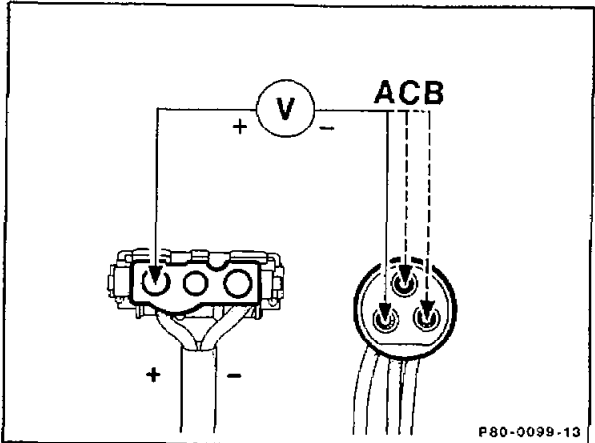


Test control voltage with car locked.

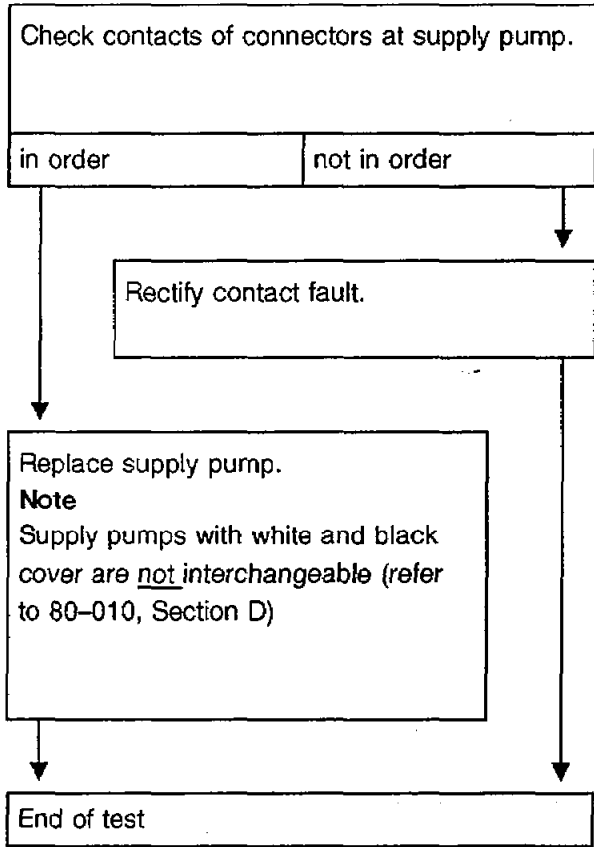
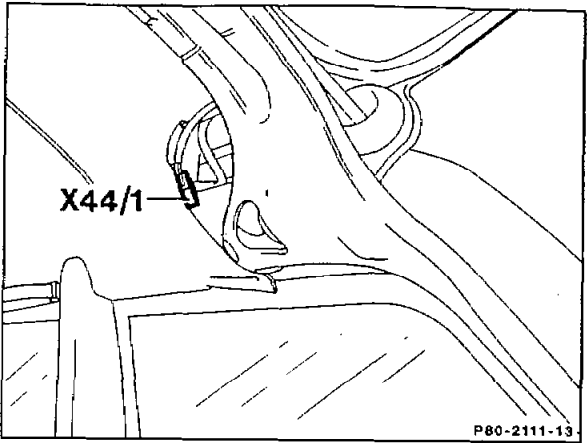
Lock central locking system at all 3 locking points with the key.
 Connect digital multimeter to the two connectors of wiring harness as shown in ill. in turn in positions A, B and C (flat surface of round connectors downwards).

Specification in positions A, B and C:
 Battery voltage > 10 V

yes	no
-----	----



No battery voltage in position:
 A Test right front door actuator (left for RHD) (80-112).
 B Test left front door actuator (right for RHD) (80-112).
 C Test trunk lid or tailgate actuator (80-112).
 On Station Wagon, check contacts of connector of central locking system/rear trunk lock (X44/1) prior to test (refer to ill.).



2nd version for (D) only as of 03/94 and vehicles with code 885

See diagnosis manual