Electrical Test Program – Preparation for Test

- Battery voltage 11 – 14 Volts **(always connect battery charger when working on the soft top)**.
- Up to 9/95 fuses F1-f6, f8, F20-f1, f2, f3, f4 and f7 in order.
- As of 9/95 fuses F1-f19, f20, F20-f1, f2, f3, f4, f7, f8 and f9 in order.
- RB control module **must** release soft top for operation (indicator lamp in RB switch should not blink).
  If soft top does not release, see impulse counter DTC 9 or HHT 144.

Note regarding limit switch testing. Control module in diagnostic mode:

1. Ignition: **OFF**
2. Bridge sockets 1 and 3 of connector (X11/12) in passenger footwell see 23, Figure 1 (only necessary when testing with socket box).
3. Ignition: **ON**
4. Remove bridge.

⚠ IMPORTANT NOTE

The power soft top control module has 2 different connection possibilities. Therefore, a separation in the section “Test“ is necessary.

Connect socket box according to connection diagram X1 (22, Figure 1):
X1 .
Connect socket box according to connection diagram X2 (22, Figure 2):
X2 .

Electrical wiring diagrams

See Electrical Troubleshooting Manual, Model 129, Volume 2.

Note regarding Testing with the HHT:

Actual values:
OPEN corresponds to **11 – 14 V.**
CLOSE corresponds to **0 – 1 V.**

⚠

As of 9/95

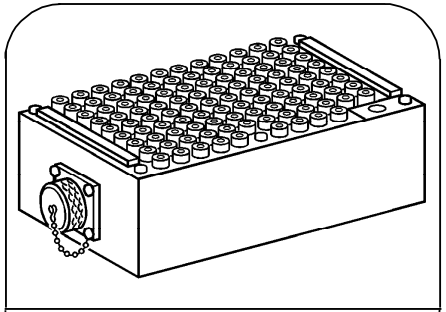
- **The RB control module (N53) is integrated into the power soft top control module (N52).**
- **The hardtop locks front and rear simultaneously.**
- **The DTC memory can only be read and erased with the HHT.**

⚠ Danger of injury

When disconnecting the connector on the power soft top control module (N52) or when changing the position of control module N52, the roll bar is deployed!

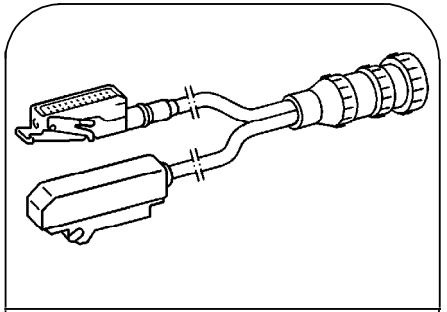
Electrical Test Program – Preparation for Test

Special Tools



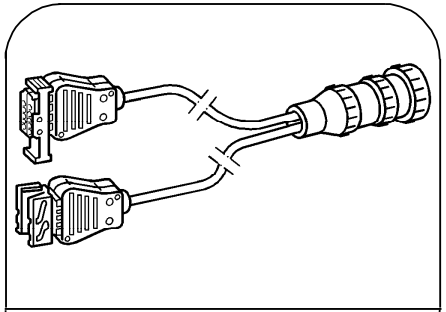
129 589 00 21 00

126-pin socket box



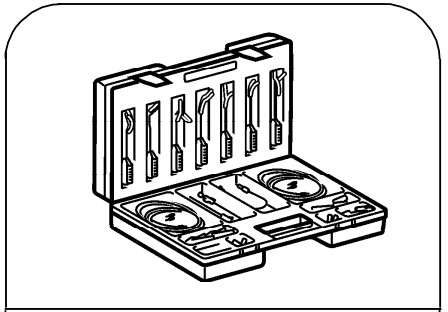
104 589 00 63 00

Test cable



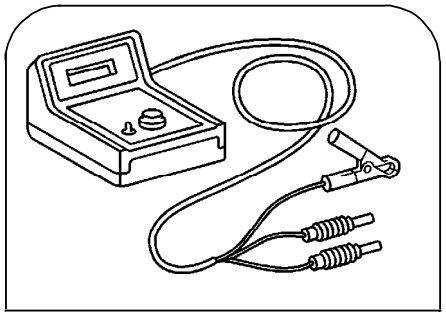
129 589 01 63 00

12-pin test cable



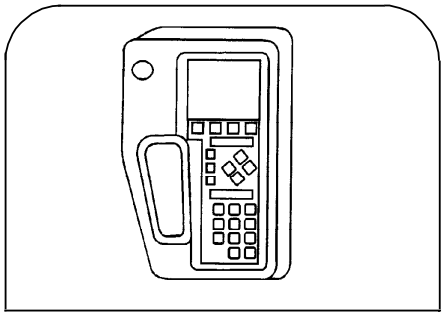
201 589 00 99 00

Electrical connecting set



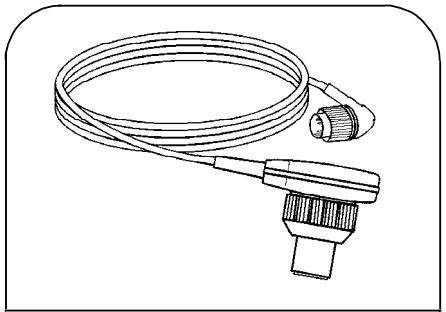
124 589 19 21 00

Pulse counter



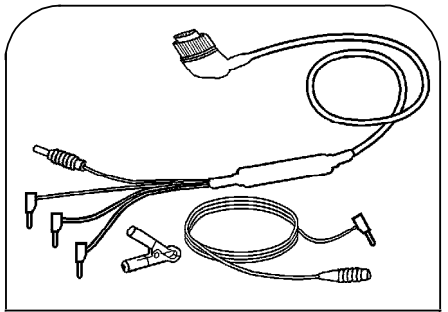
965 589 00 01 00

Hand-Held-Teste



965 589 00 40 00

Test cable



965 589 00 50 00

Adapter cable

Conventional tools, test equipment

Description	Brand, model, etc.
Multimeter 1)	Fluke models 23, 83, 85, 87
Battery charger 1)	Local supply

1) Available through the MBUSA Standard Equipment Program.

Electrical Test Program – Preparation for Test

⚠

Ignition: **OFF**

Disconnect connector X1 from control module

Connect socket box

Connection Diagram -
Socket Box to Connector (X1)

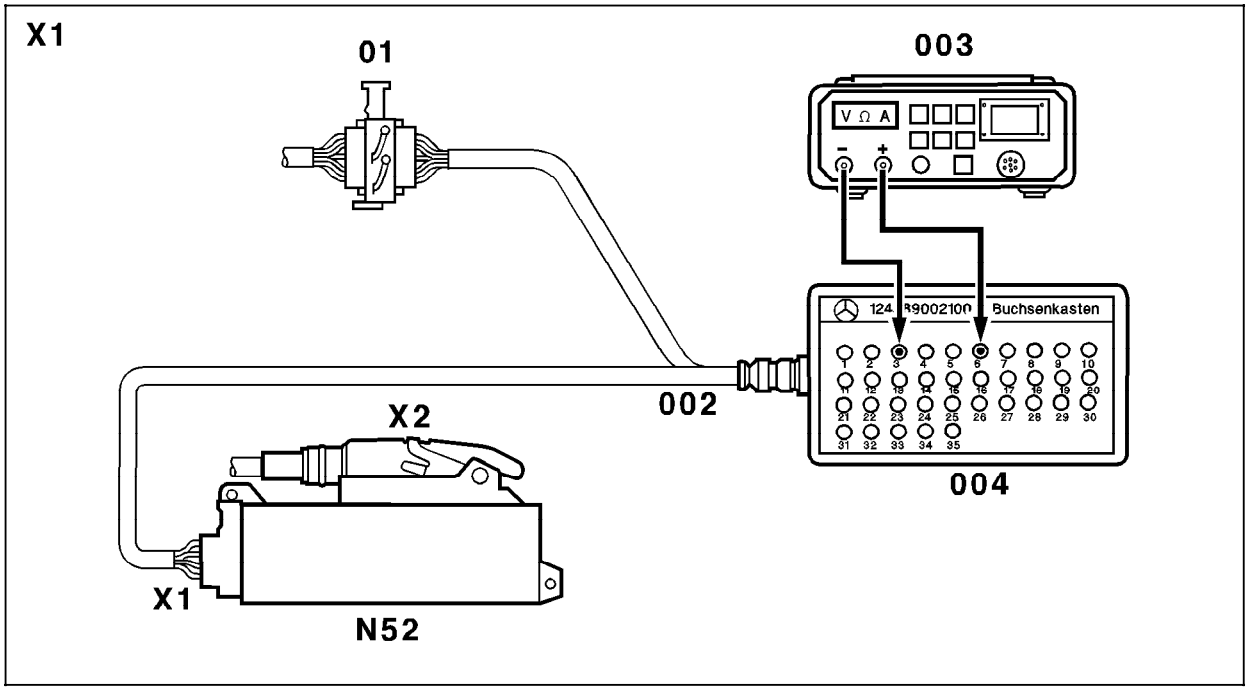


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Figure 1

01	Connector, 12-pole (vehicle wiring harness)
002	Test cable, 12-pole 129 589 01 63 00
003	Digital multimeter
004	Socket box (35-pole)
N52	Soft top control module

Electrical Test Program – Preparation for Test

⚠

Ignition: **OFF**

Disconnect connector X2 from control module

Connect socket box

Connection Diagram -
Socket Box to Connector (X2)

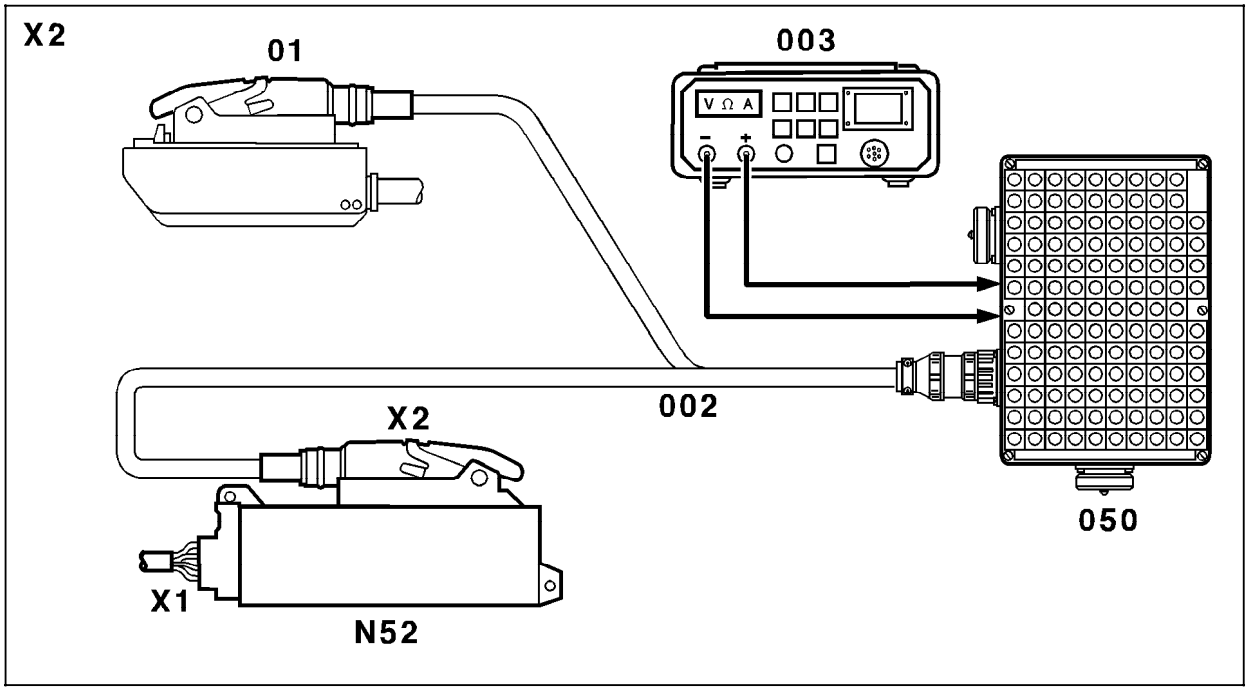

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Figure 2

01	Connector, 35-pole (vehicle wiring harness)
002	Test cable, 55-pole 104 589 00 63 00
003	Digital multimeter
004	Socket box (126-pole)
N52	Soft top control module