

Electrical Test Program - Preparation for Test

- Battery voltage 11–14 V (**when working on soft top system, always connect battery charger**).
- RB switch must not blink (section 19.1).
- Fuses F24, F24/1 and F1/A O.K.

Electrical wiring diagrams:

Electrical Troubleshooting Manual, Model 124




 **Note regarding limit switch testing:**

TO ENTER CONTROL MODULE DIAGNOSTIC MODE:

1. Ignition: **OFF**.
2. Bridge sockets 1 and 3 of connector (X11/12) in passenger footwell (23, Figure 1.)
3. Ignition: **ON**.
4. Remove bridge.

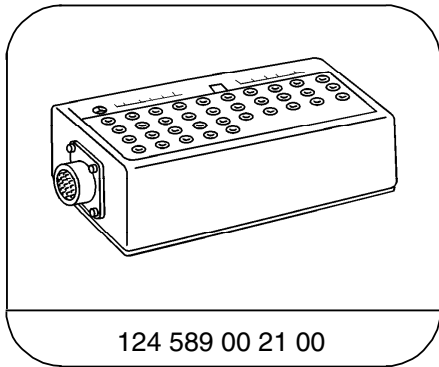
IMPORTANT NOTE

The test in the next section (23) calls for the connection of the socket box to the power soft top control module in 3 different ways. Connections are distinguished as connections made to the power soft top control module connector X, Y or Z. These are indicated in the test as follows:

- X  Cp-onnect socket box according to connection diagram "Socket Box to connector X" (22, Fig. 4.)
- Y  Connect socket box according to connection diagram "Socket Box to connector Y" (22, Fig. 5.)
- Z  Connect socket box according to connection diagram "Socket Box to connector Z" (22, Fig. 6.)

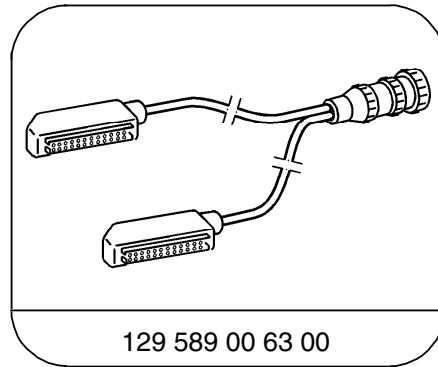
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Special Tools



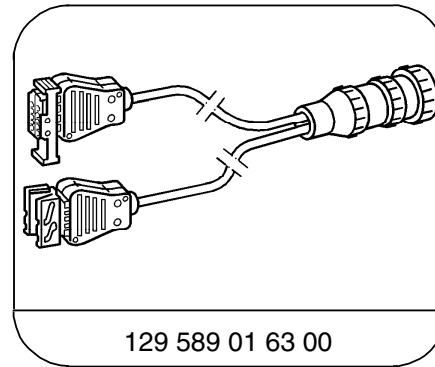
124 589 00 21 00

35-pin socket box



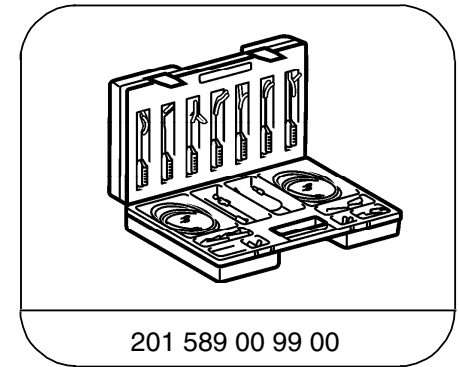
129 589 00 63 00

35-pin test cable



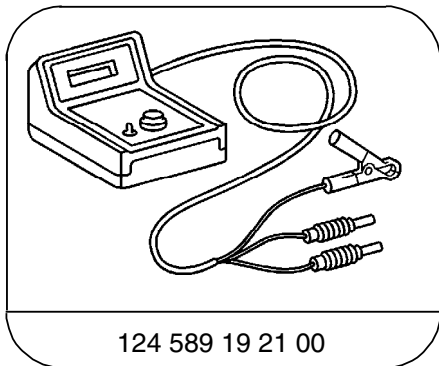
129 589 01 63 00

12-pin test cable



201 589 00 99 00

Electrical connecting set



124 589 19 21 00

Pulse counter

Equipment

Digital multimeter ¹⁾

Fluke models 23, 83, 85, 87

Battery charger

Local supply

¹⁾Available through the MBUSA Standard Equipment Program.

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CAUTION!

Ignition: **OFF**.

Separate connector X from control module.

Connect socket box.

Connection Diagram – Socket Box to Connector X

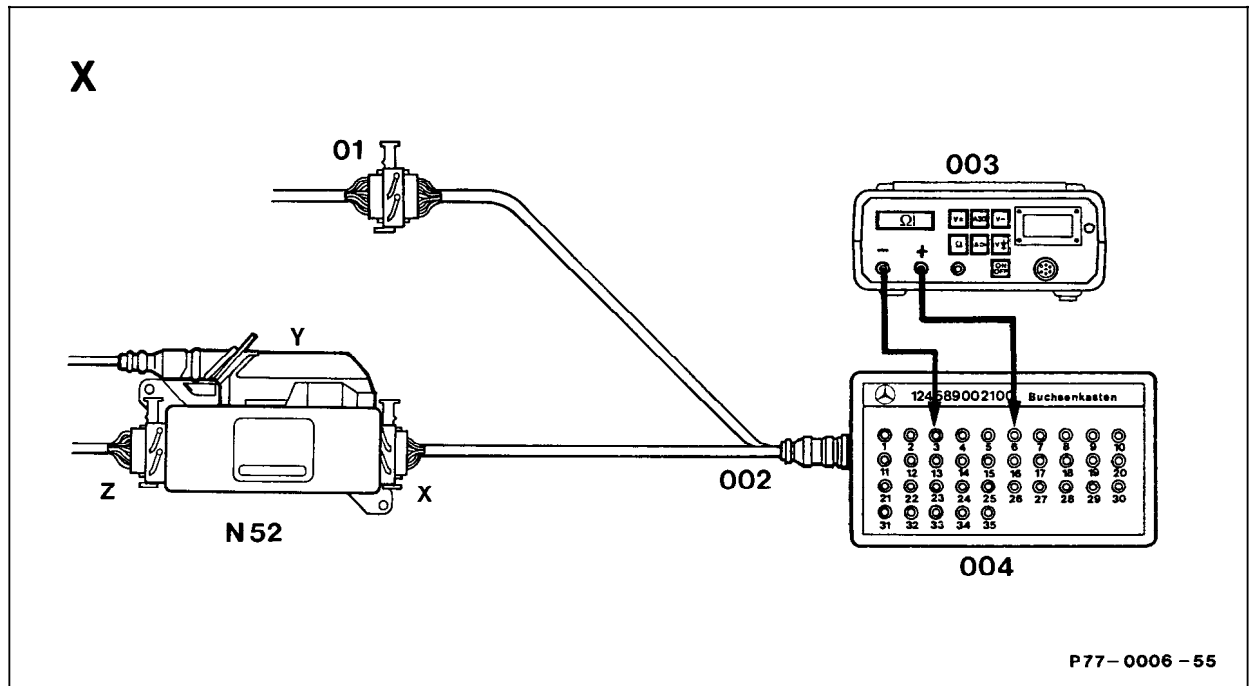


Figure 4

- 01 12-pole connector (vehicle harness)
- 002 12-pole test cable 129 589 01 63 00
- 003 Multimeter
- 004 Socket box
- N52 Power soft top control module

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CAUTION!

Ignition: **OFF**.

Separate connector Y from control module.

Connect socket box.

Connection Diagram – Socket Box to connector Y

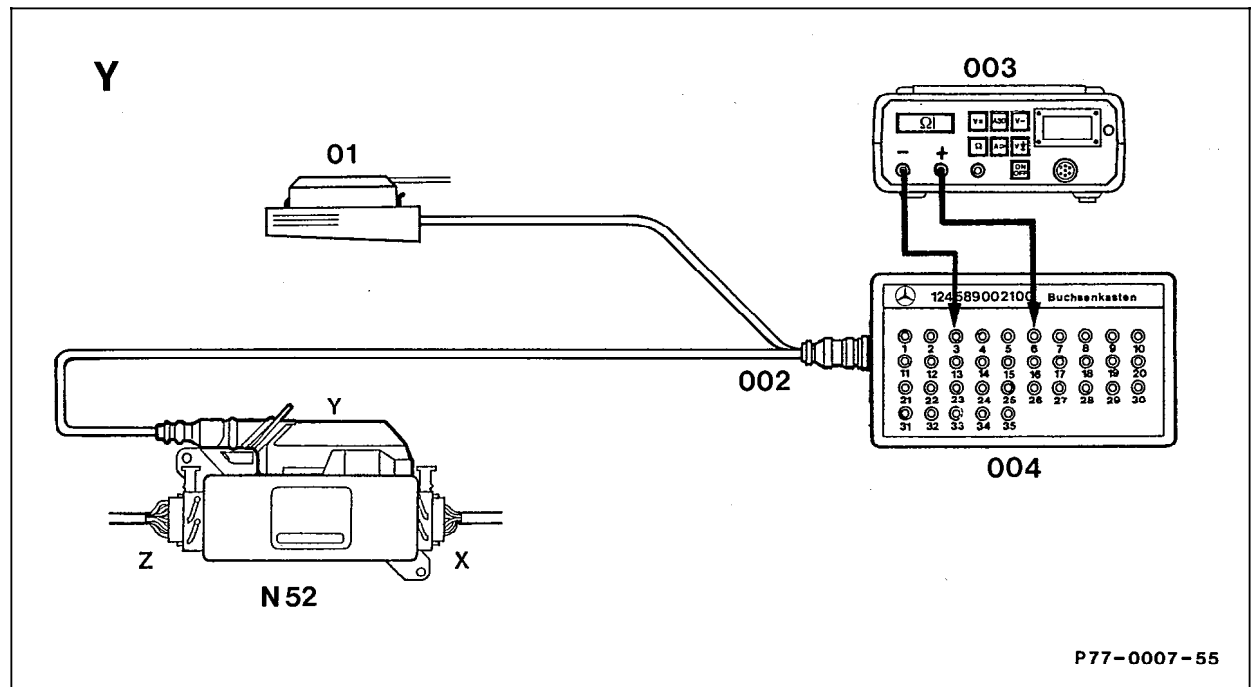


Figure 5

- 01 35-pole connector (vehicle harness)
- 002 35-pole test cable 129 589 00 63 00
- 003 Multimeter
- 004 Socket box
- N52 Power soft top control module

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CAUTION!

Ignition: **OFF**.

Separate connector Z from control module.

Connect socket box.

Connection Diagram – Socket Box to Connector Z

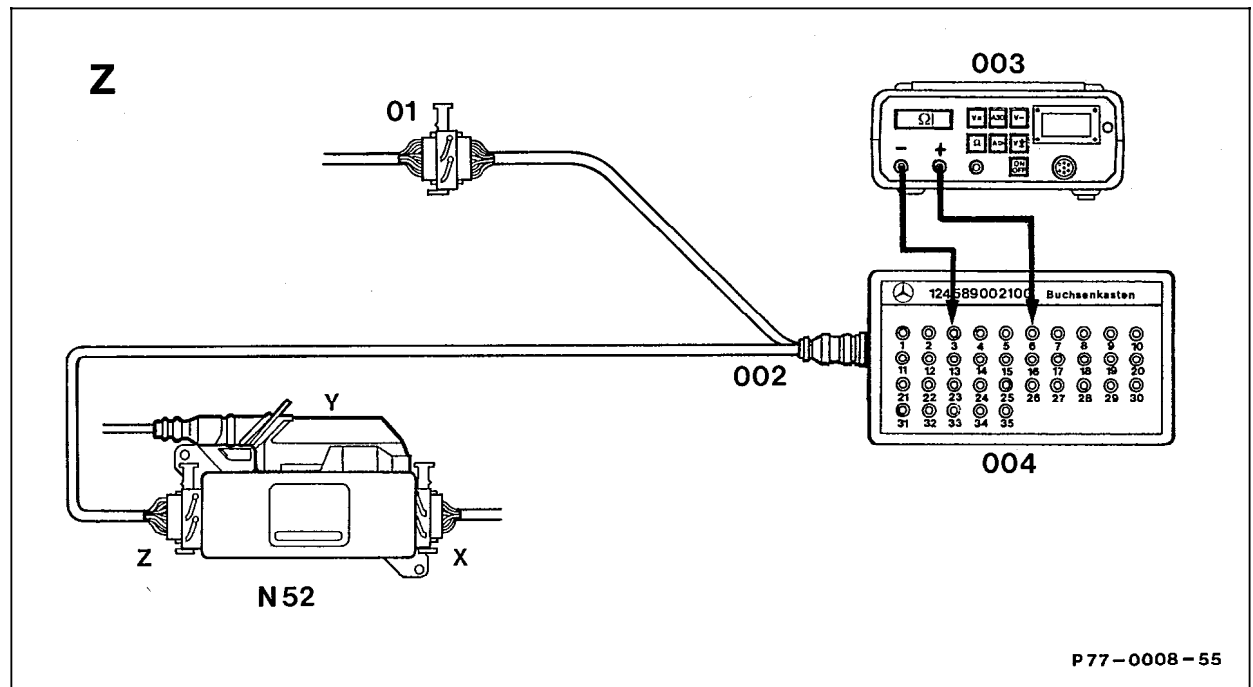


Figure 6

- 01 12-pole connector (vehicle harness)
- 002 12-pole test cable 129 589 01 63 00
- 003 Multimeter
- 004 Socket box
- N52 Power soft top control module

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