

### Electrical Test Program – Preparation for Test

Preliminary work:

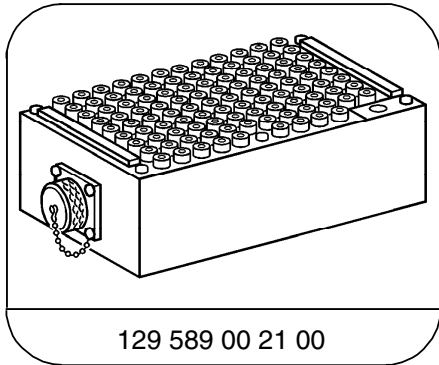
Diagnosis - Diagnostic Trouble Code (DTC) Memory ..... 12

1. Ignition: **OFF**
2. Disconnect TCM (N15/1). Connect socket box (126-pole) with contact module 3 and contact box according to connection diagram.

#### Wiring Diagrams:

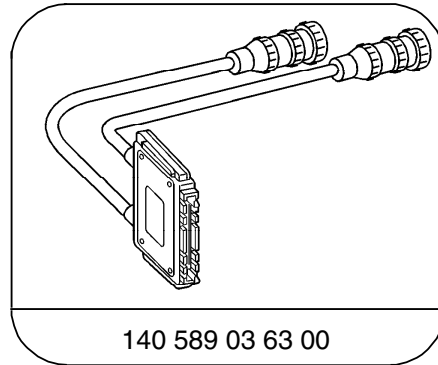
Electrical Troubleshooting Manual, Model 129, Volume 1, group 00 and 27,  
Electrical Troubleshooting Manual, Model 140, Volume 1 and 2,  
Group 00 and 27.

#### Special Tools



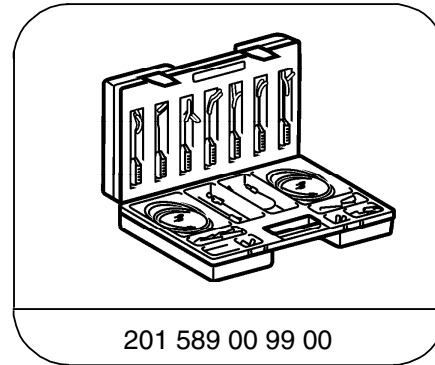
129 589 00 21 00

126-pin socket box



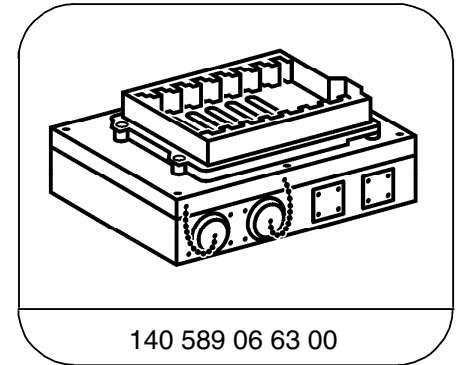
140 589 03 63 00

Contacting module 3



201 589 00 99 00

Electrical connecting set

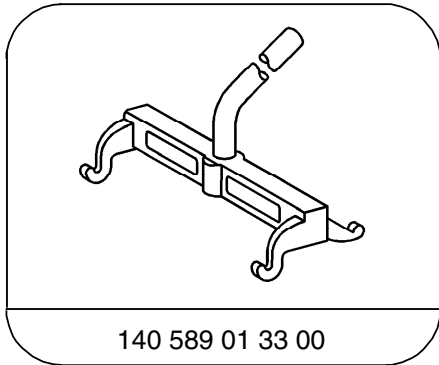


140 589 06 63 00

Contacting box

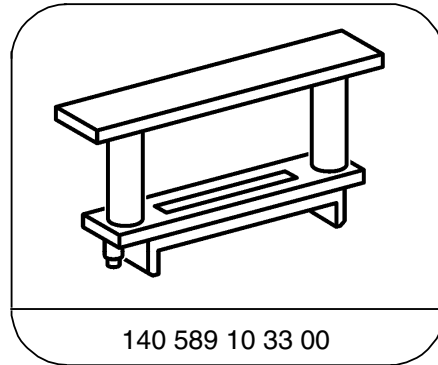
### Electrical Test Program – Preparation for Test

#### Special Tools



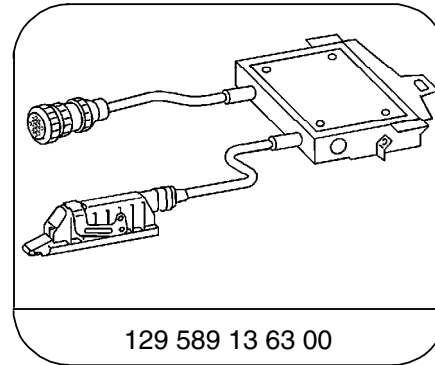
140 589 01 33 00

Mounting lever



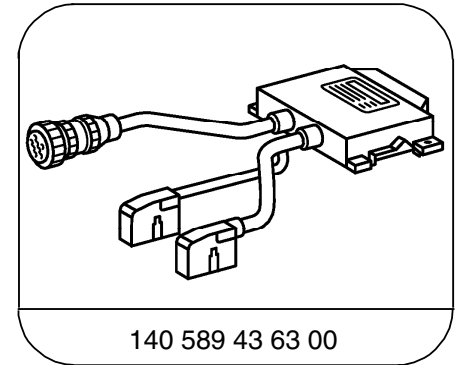
140 589 10 33 00

Spacer



129 589 13 63 00

41-pin test cable



140 589 43 63 00

Test cable, 30-pin

#### Equipment

Digital multimeter <sup>1)</sup>

Fluke models 23, 83, 85, 87, 88

<sup>1)</sup> Available through the MBUSA Standard Equipment Program.

Electrical Test Program – Preparation for Test

Connection Diagram - Socket Box  
Model 129 with HFM-SFI

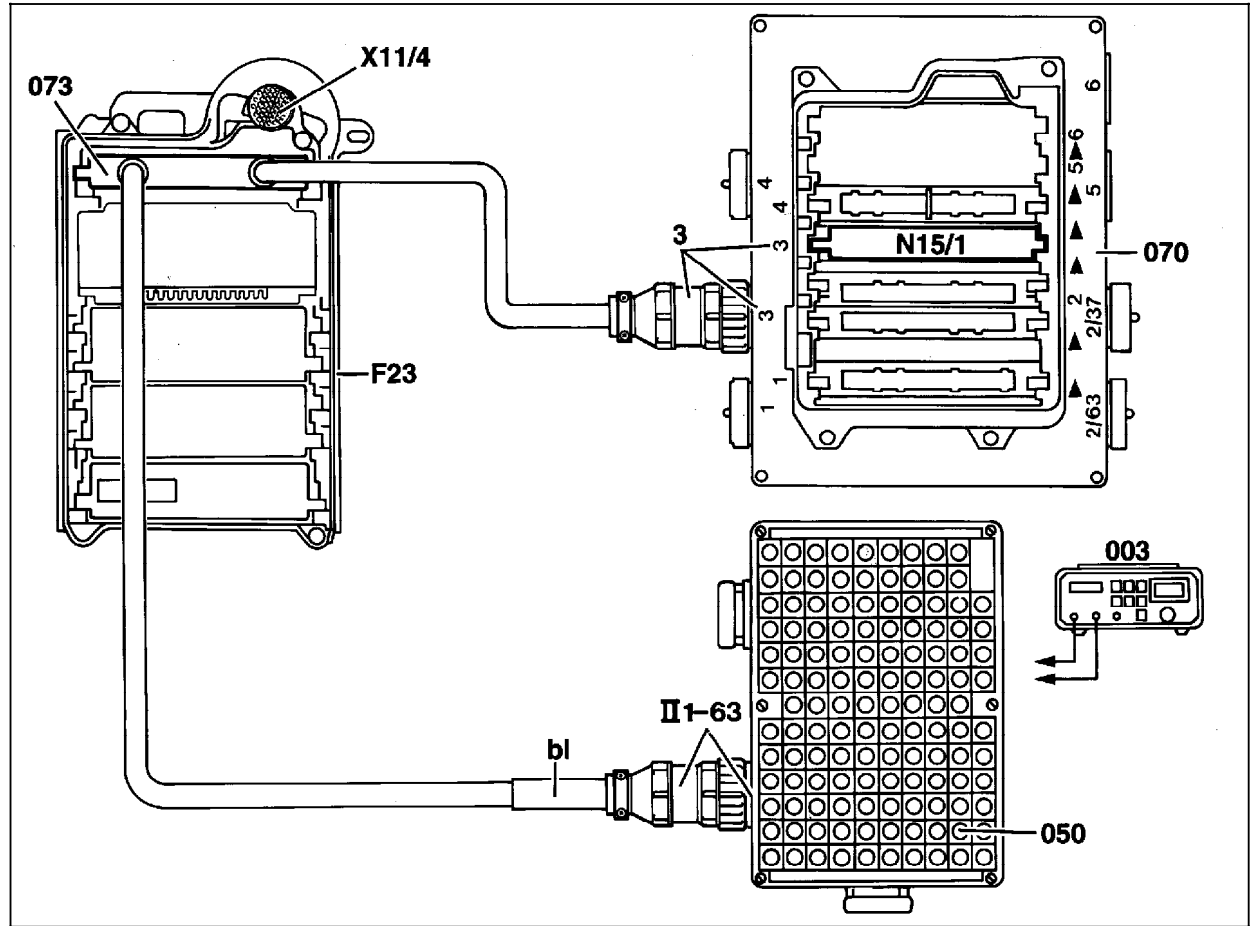


Figure 1

- 003 Digital multimeter
- 050 Socket box (126-pole)
- 070 Contact box
- 073 Contact module 3
- F23 Module box
- N15/1 Transmission control module (TCM)
- X11/4 Data link connector (DTC readout)
- bl blue

P27-5194-57

Electrical Test Program – Preparation for Test

Connection Diagram - Socket Box  
Model 140 with LH-SFI

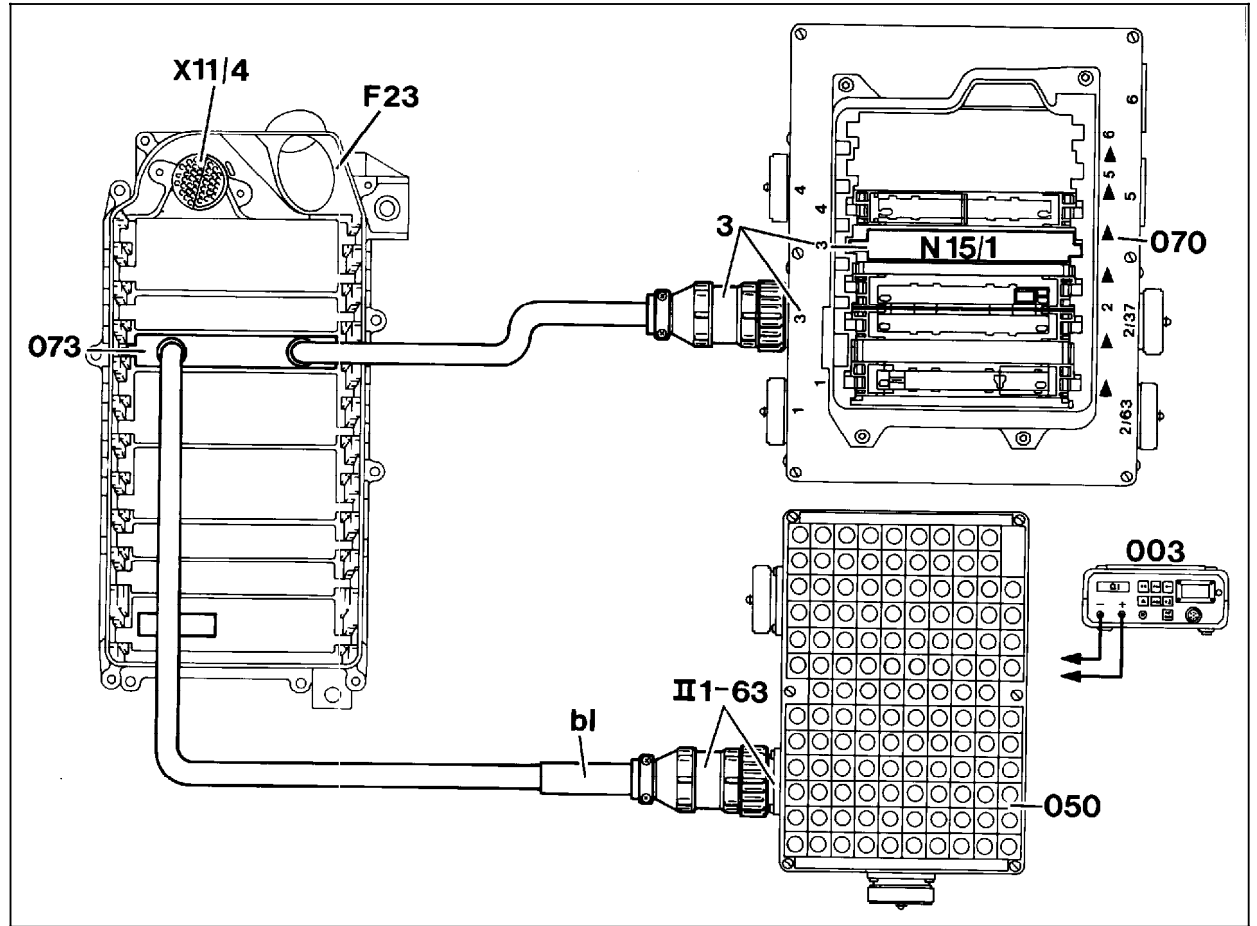


Figure 2

- 003 Digital multimeter
- 050 Socket box (126-pole)
- 070 Contact box
- 073 Contact module 3
- F23 Module box
- N15/1 Transmission control module (TCM)
- X11/4 Data link connector (DTC readout)
- bl blue

P27-0197-57

Electrical Test Program – Preparation for Test

Connection Diagram - Socket Box  
Model 140 with HFM-SFI

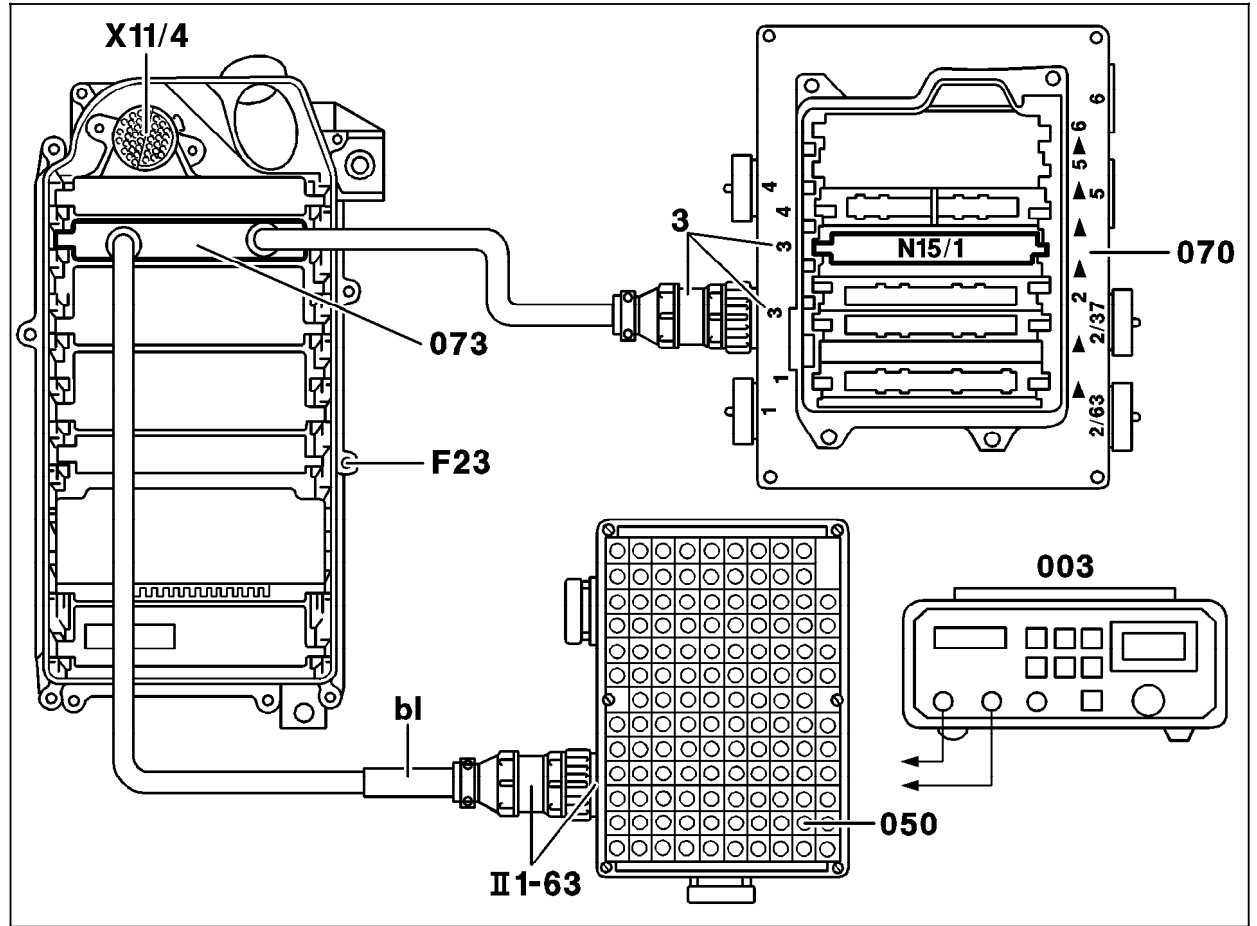


Figure 3

- 003 Digital multimeter
- 050 Socket box (126-pole)
- 070 Contact box
- 073 Contact module 3
- F23 Module box
- N15/1 Transmission control module (TCM)
- X11/4 Data link connector (DTC readout)
- bl blue

P27-5193-57