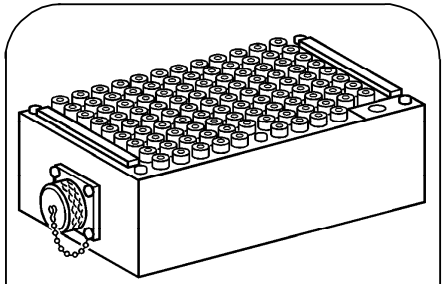
## Electrical Test Program – Preparation for Test

1. Ignition: **OFF**
2. **Model 129**
   Provide access to ADS control module (N51).
   **Model 140**
   Remove ADS control module (N51).
3. Connect socket box with contact module 4 and contact box or test cable according to connection diagrams on following pages.

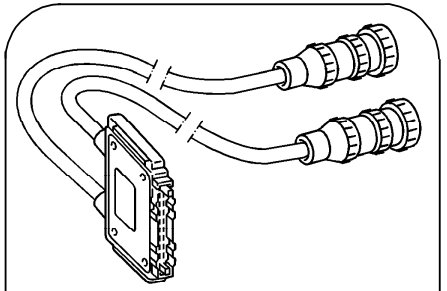
**Electrical wiring diagrams:**
Electrical Troubleshooting Manual, Model 129, Volume 1, Group 32
Model 140, Volume 2, Group 32.

**Special Tools**



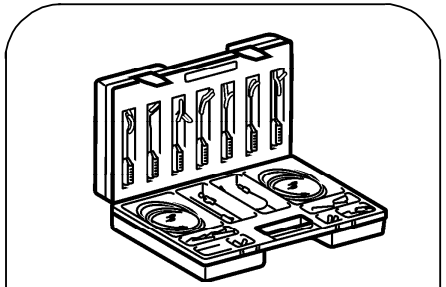
129 589 00 21 00

126-pin socket box



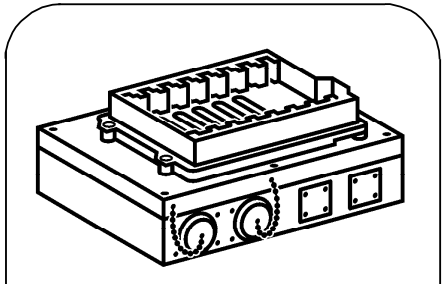
140 589 04 63 00

Contacting module 4



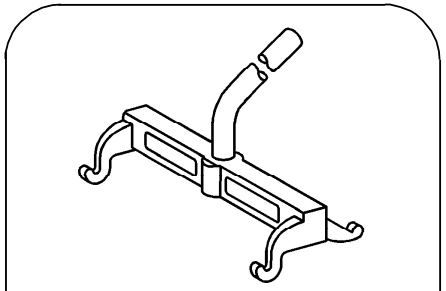
201 589 00 99 00

Electrical connecting set



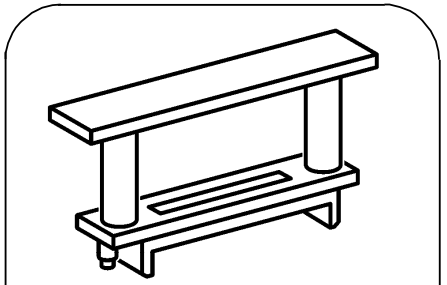
140 589 06 63 00

Contacting box



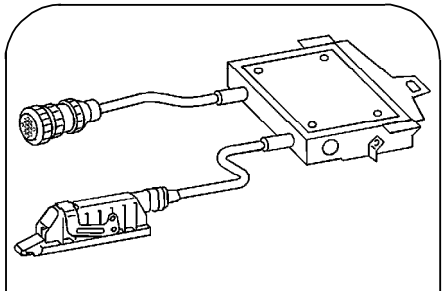
140 589 01 33 00

Mounting lever



140 589 10 33 00

Spacer



129 589 13 63 00

41-pin test cable

## Electrical Test Program – Preparation for Test

**Conventional tools, test equipment**

| Description | Brand, model, etc. |
|---|---|
| Multimeter 1) | Fluke models 23, 83, 85, 87 |
| Signal generator 1) | Sun, DTR 8416 |

1) Available through the MBUSA Standard Equipment Program.

## Electrical Test Program – Preparation for Test

**Connection Diagram - Socket Box**
**Model 129**

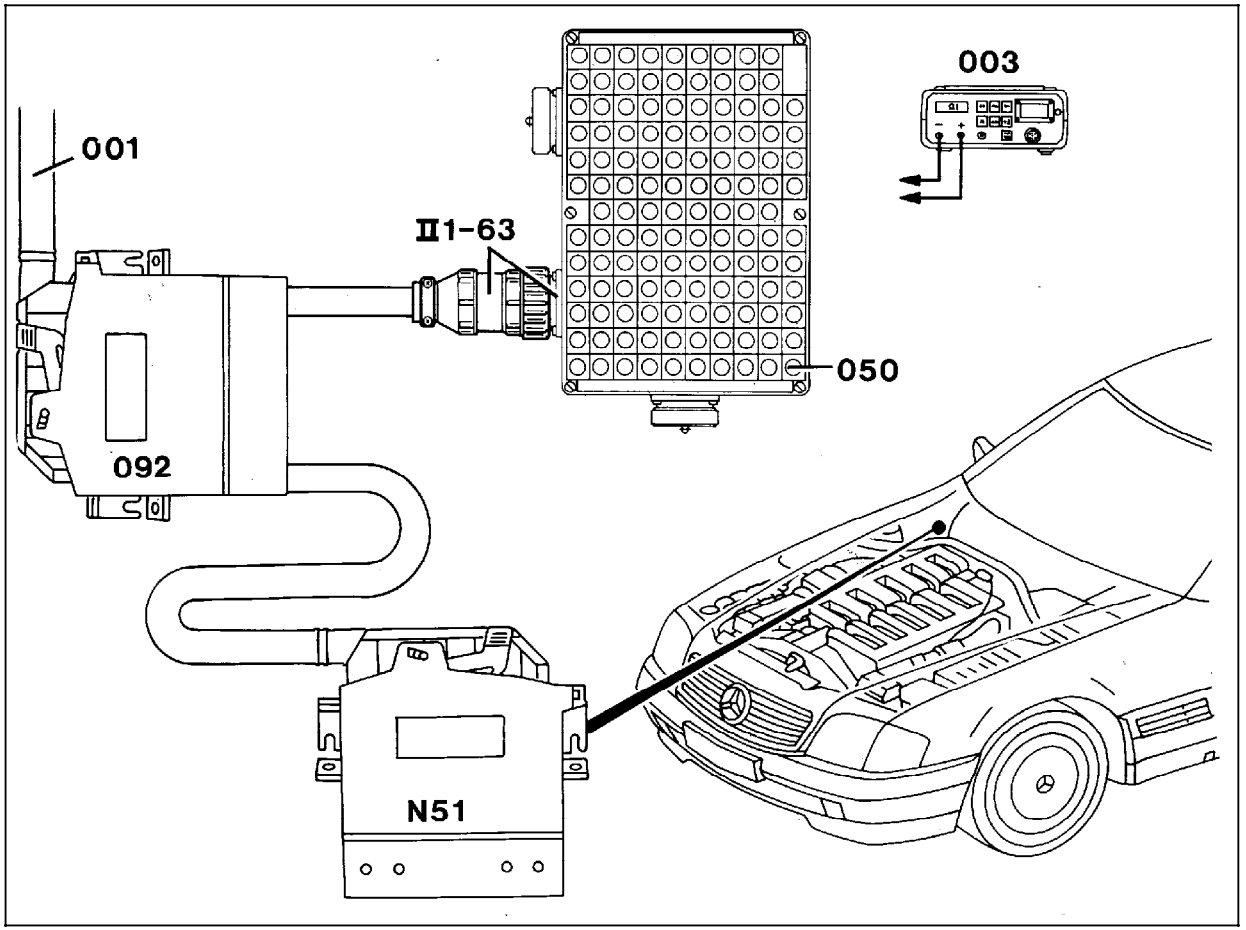



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Figure 1

001 ADS control module connector
003 Multimeter
050 Socket box (126-pole)
092 Test cable
N51 ADS control module

## Electrical Test Program – Preparation for Test

**Connection Diagram - Socket Box**
**Model 140**

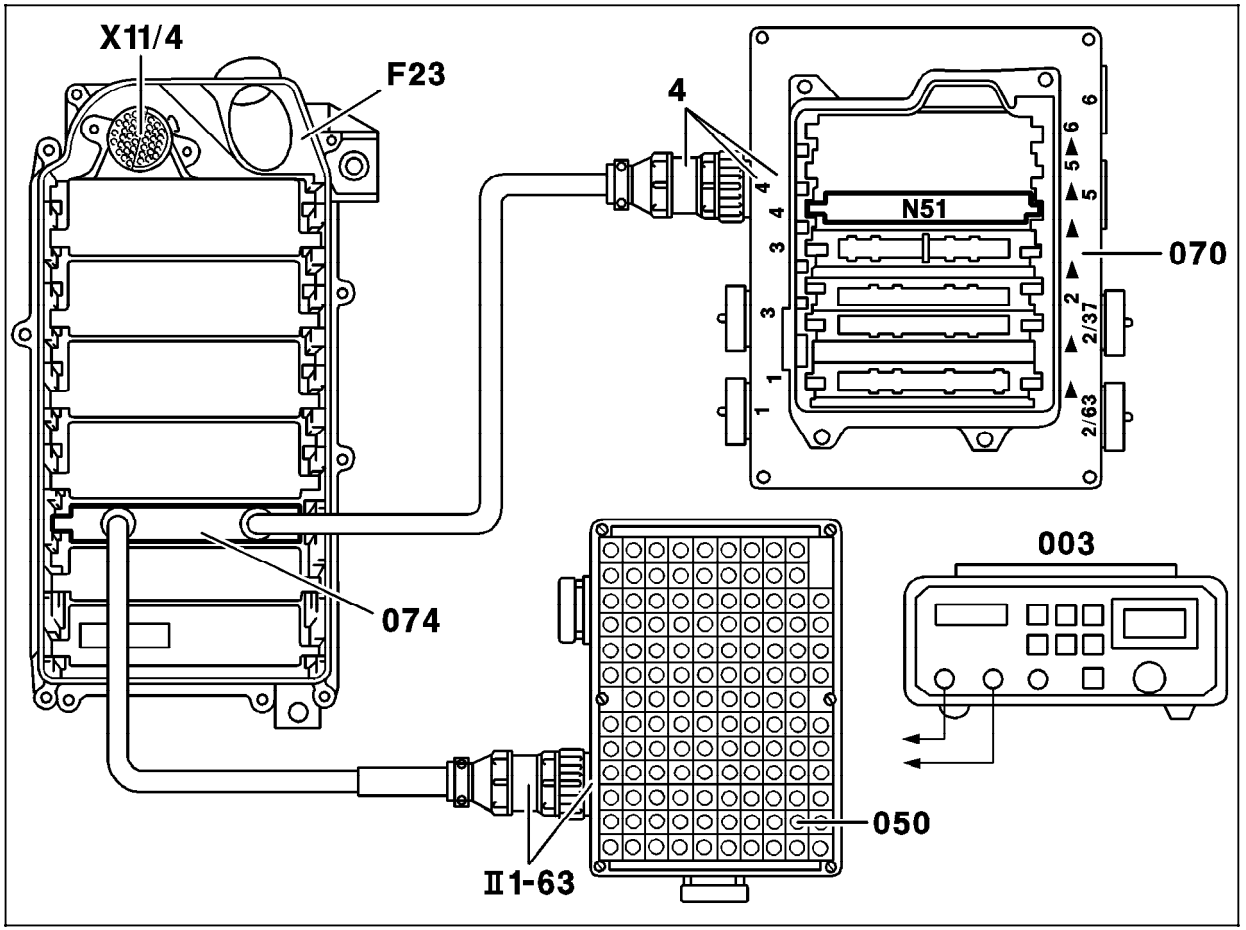


Figure 2

| | |
|---|---|
| 003 | Multimeter |
| 050 | Socket box (126-pole) |
| 070 | Contact box |
| 074 | Contact module 4 |
| F23 | Module box |
| N51 | ADS control module |
| X11/4 | Data link connector (DTC readout) |

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## Electrical Test Program – Preparation for Test

**Connection Diagram - Socket Box**
**Model 129**

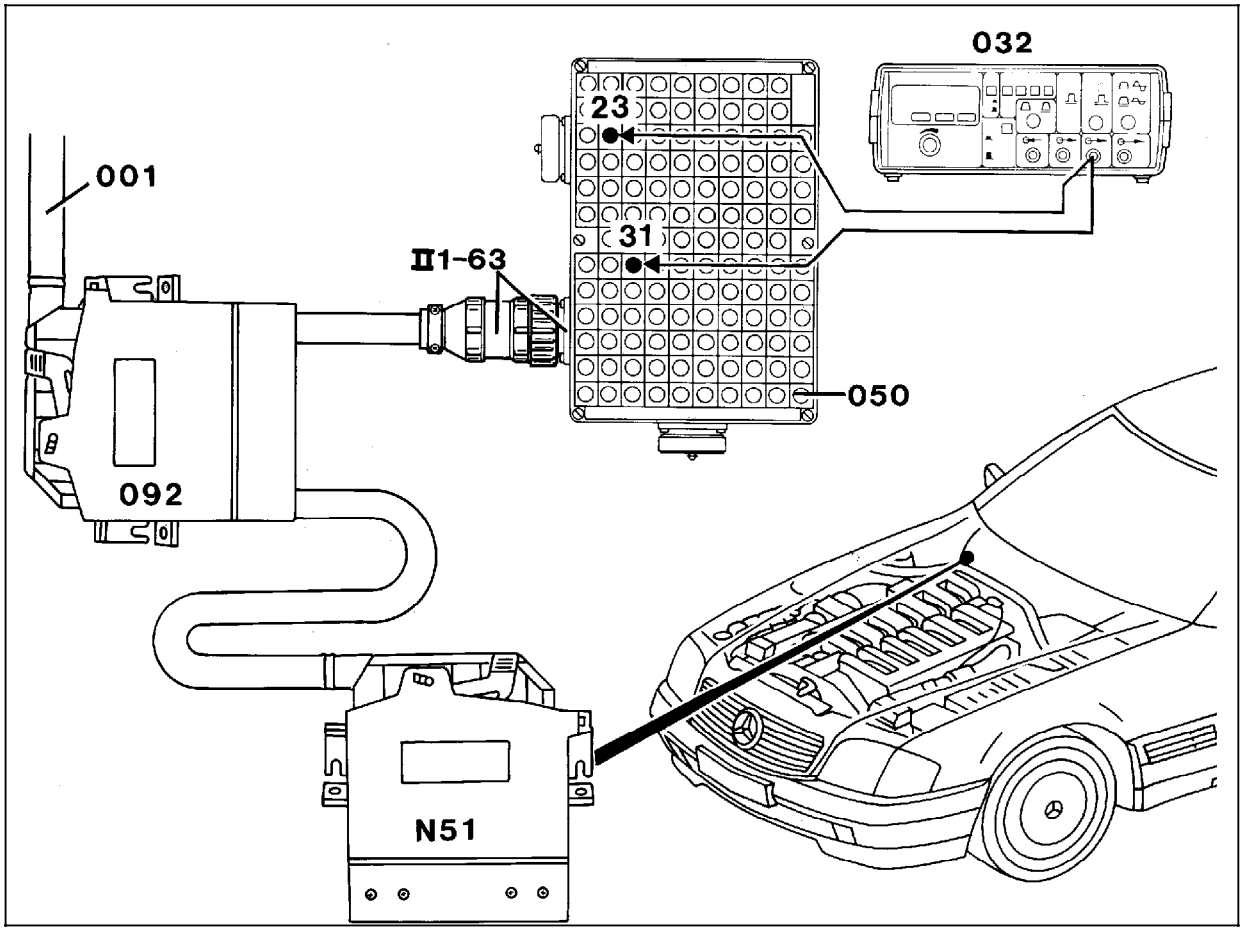


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Figure 3

001 ADS control module connector
032 Signal generator
050 Socket box (126-pole)
092 Test cable
N51 ADS control module