

**Electrical Test Program - Preparation for Test**

1. Ignition: **OFF**
2. Disconnect ASR/SPS or ETS/SPS control module (N47-1 or N47-2).
3. Connect socket box with test cable as per connection diagram (Figure 1).

Note:  
The measured voltages will be slightly lower in diesel models during preglow.

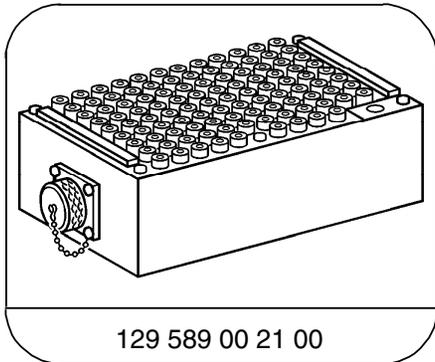
**Electrical Wiring Diagrams:**

Electrical Troubleshooting Manual, Model 129,  
Electrical Troubleshooting Manual, Model 140.



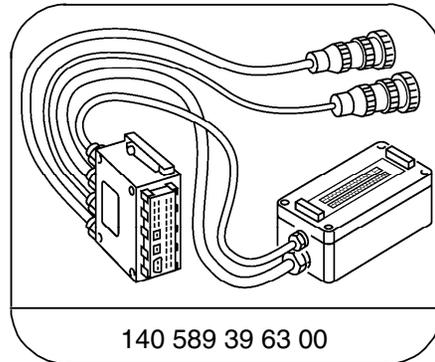
When exchanging an ETS/SPS control module, the replacement module must have the code data entered via the HHT. Follow instructions on HHT display.

**Special Tools**



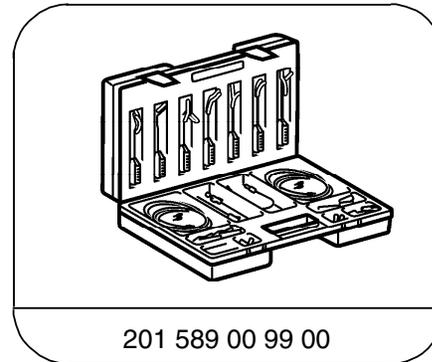
129 589 00 21 00

126-pin socket box



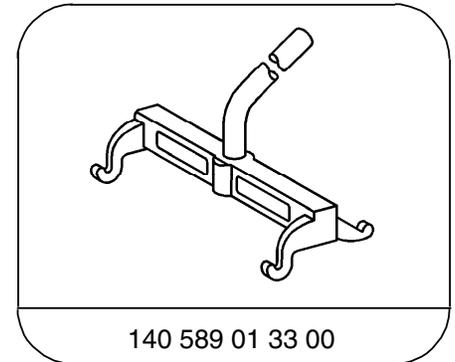
140 589 39 63 00

Test cable for module 6



201 589 00 99 00

Electrical connecting set



140 589 01 33 00

Mounting lever

**Conventional tools, test equipment**

Description	Brand, model, etc.
Digital multimeter <sup>1)</sup>	Fluke models 23, 83, 85, 87

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

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Connection Diagram – Socket Box

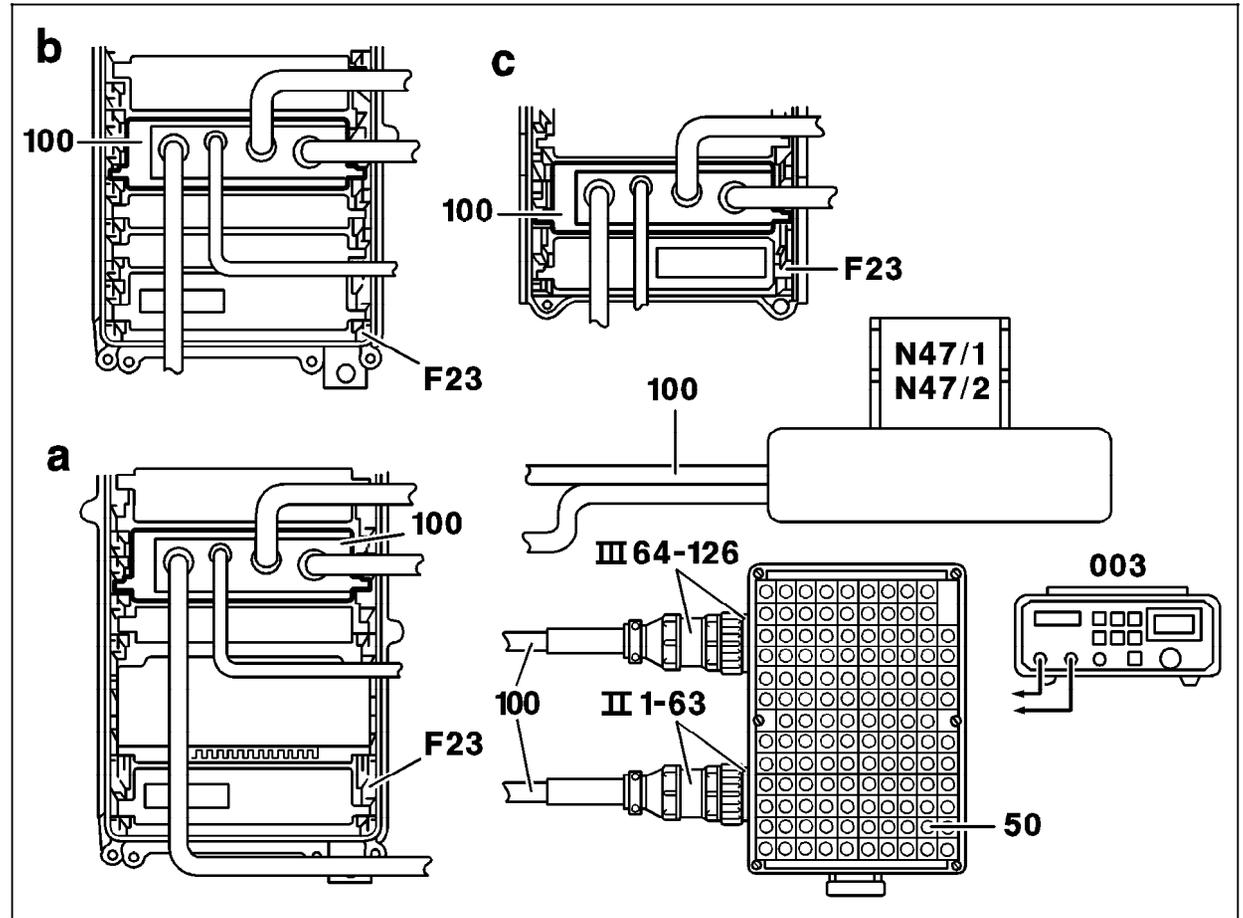


Figure 1

- 003 Digital multimeter
- 050 Socket box, 126-pole
- 100 Test cable, 140 589 39 63 00
- F23 Module box
- N47-1 ASR/SPS control module
- N47-2 ETS/SPS control module

Location of control module in module box

- a Model 140 with HFM-SFI
- b Model 140 with LH-SFI
- c Model 129

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