

3.4 Adaptive Damping System (ADS II) with electronic level control

Electrical Test Program – Preparation for Test

- 1. Ignition: **OFF**
- 2. Remove ADS control module (N51) (Figure 1).
- 3. Remove bolts (a) and frame (b).
- 4. Unclip electrical connector (c, arrows) at frame (b) and remove.
- 5. Connect socket box and test cables (Figure 2).

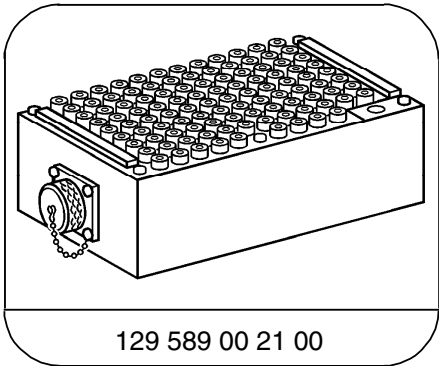
Electrical wiring diagrams:

Electrical Troubleshooting Manual, Model 129, Volume 1, Group 00 and 32.

Note:

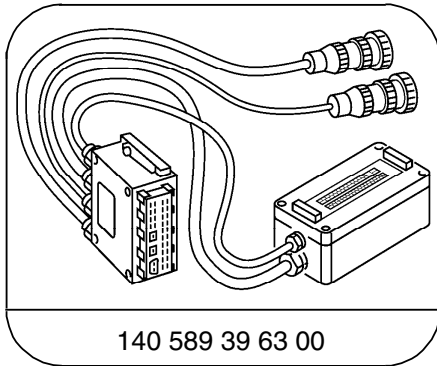
An ADS control module (N51) marked with a red paint dot has been reprogrammed. Upon replacement, the level must be checked, adjusted, and new control module must be reprogrammed using the HHT (refer to 11 and HHT menu selection "Programming"). After reprogramming control module, mark control module with red paint dot for identification purposes.

Special Tools



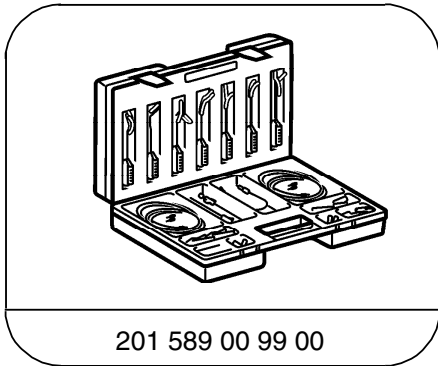
129 589 00 21 00

126-pin socket box



140 589 39 63 00

Test cable for module 6



201 589 00 99 00

Electrical connecting set

Test equipment; See MBUSA Standard Service Equipment Program

Description	Brand, model, etc.
Digital multimeter	Fluke models 23, 77 III, 83, 85, 87

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Removing/replacing control module (N51)

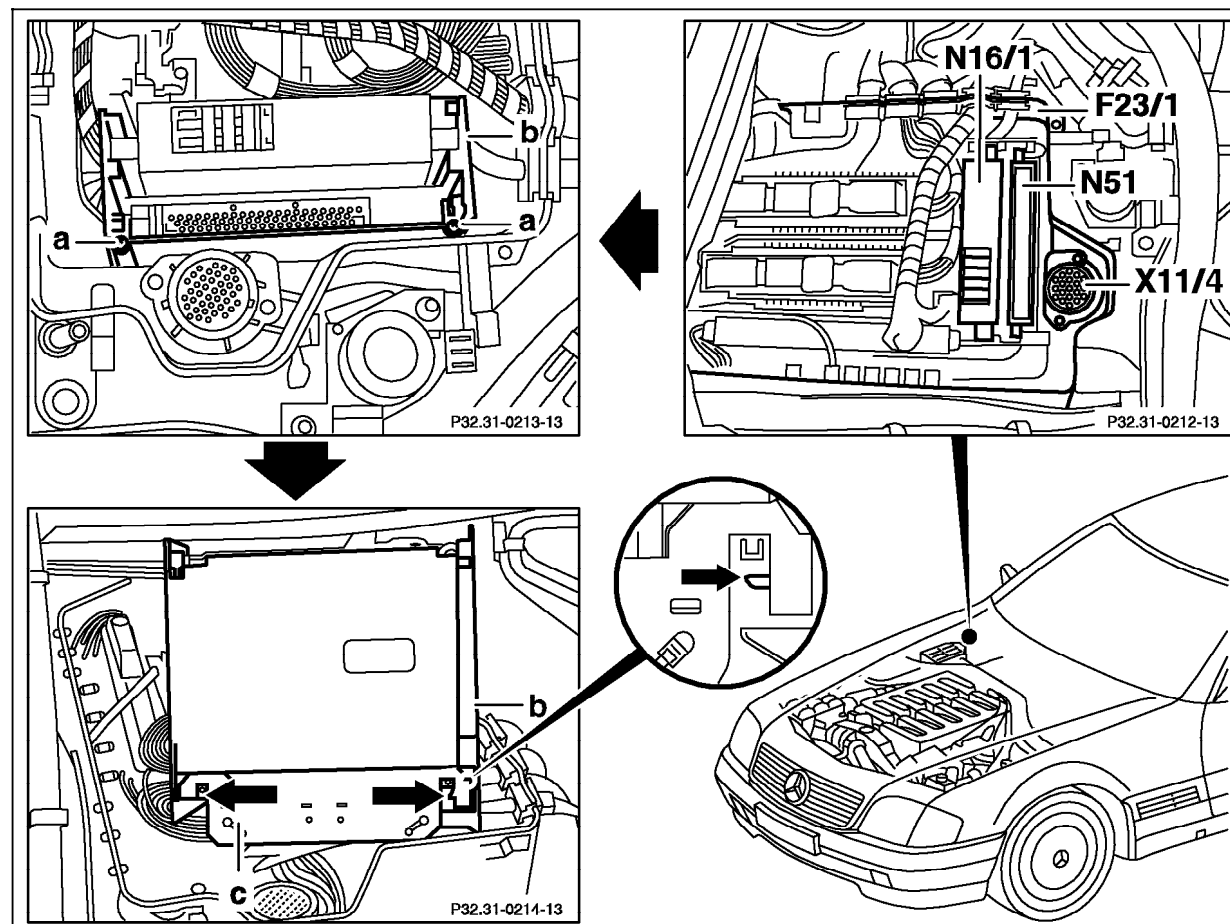


Figure 1

- a Bolts
- b Mounting frame
- c Connector
- N51 ADS control module

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Connection Diagram – Socket Box

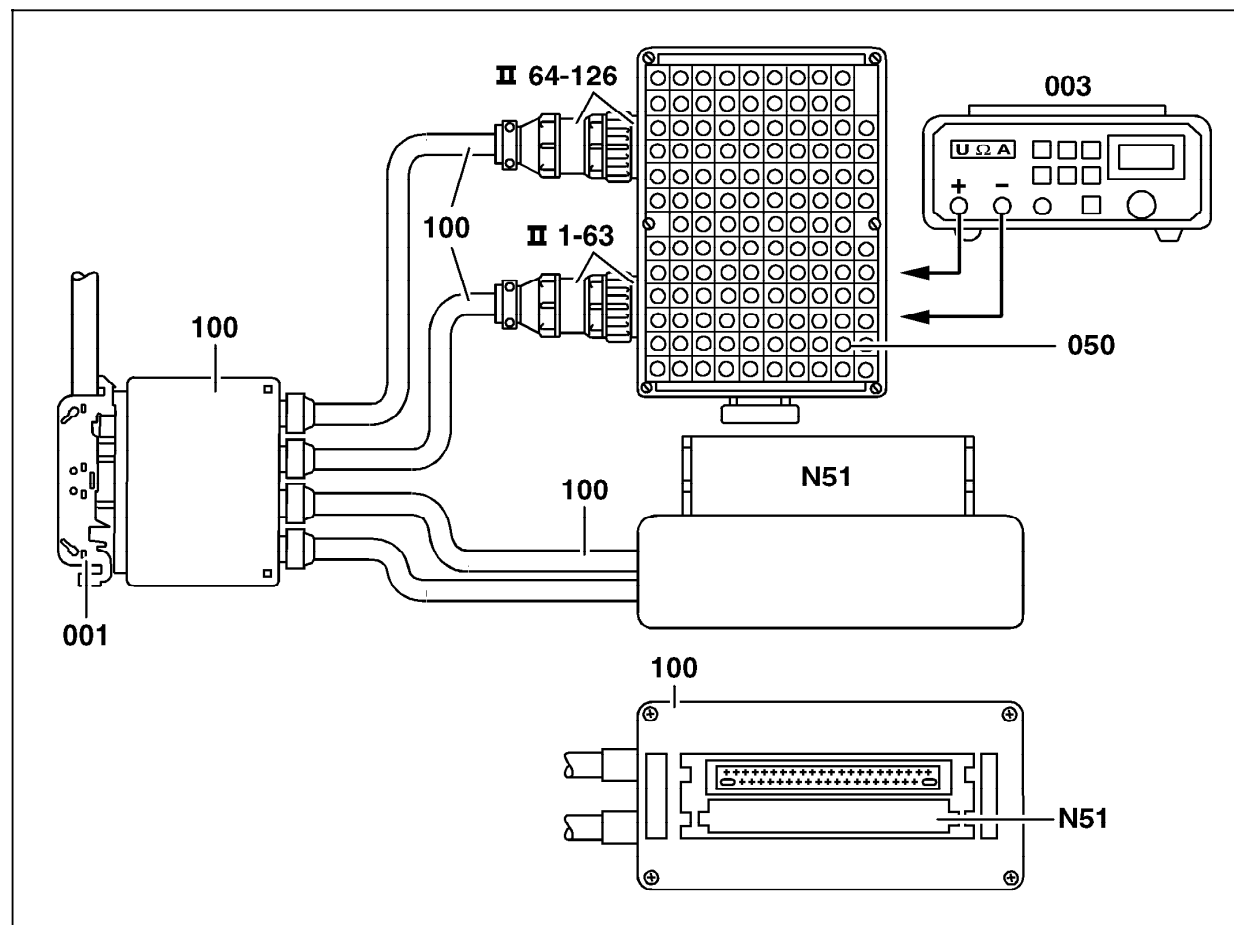


Figure 2

- 001 Control module connector
- 003 Digital multimeter
- 050 Socket box (126-pole)
- 100 Test cable
- N51 ADS control module

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