Electrical Test Program – Preparation for Test

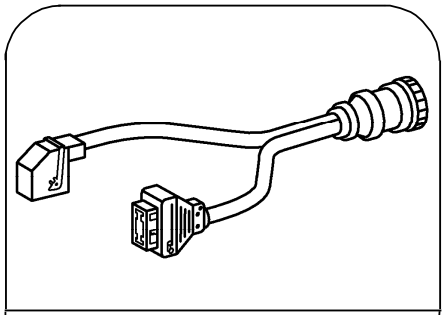
1. Review 11, 12, 13, 14, 15, 21, 22, 23, 31, 32, 41

Electrical wiring diagrams:
Electrical Troubleshooting Manual, Model 140

2. Remove A/C pushbutton control module (N22).

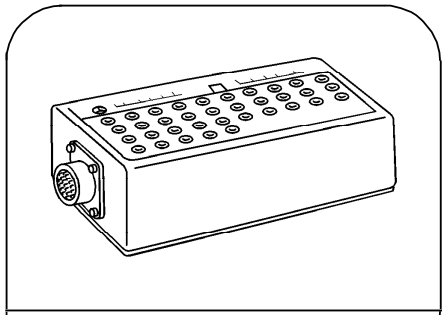
Upon completion of test, erase DTC memory from A/C pushbutton control module (see 15).
Electrical Test Program: Rear A/C only, starts on 23/11

Special Tools



210 589 00 63 00

29-pin test cable



124 589 00 21 00

35-pin socket box

Test equipment; See MBUSA Standard Service Equipment Program

Description	Brand, model, etc.
Multimeter [1]	Fluke models 23, 77 III, 83, 85, 87

[1] Available through the MBUSA Standard Equipment Program.

Electrical Test Program - Preparation for Test

Electrical Components in Passenger Compartment Front A/C

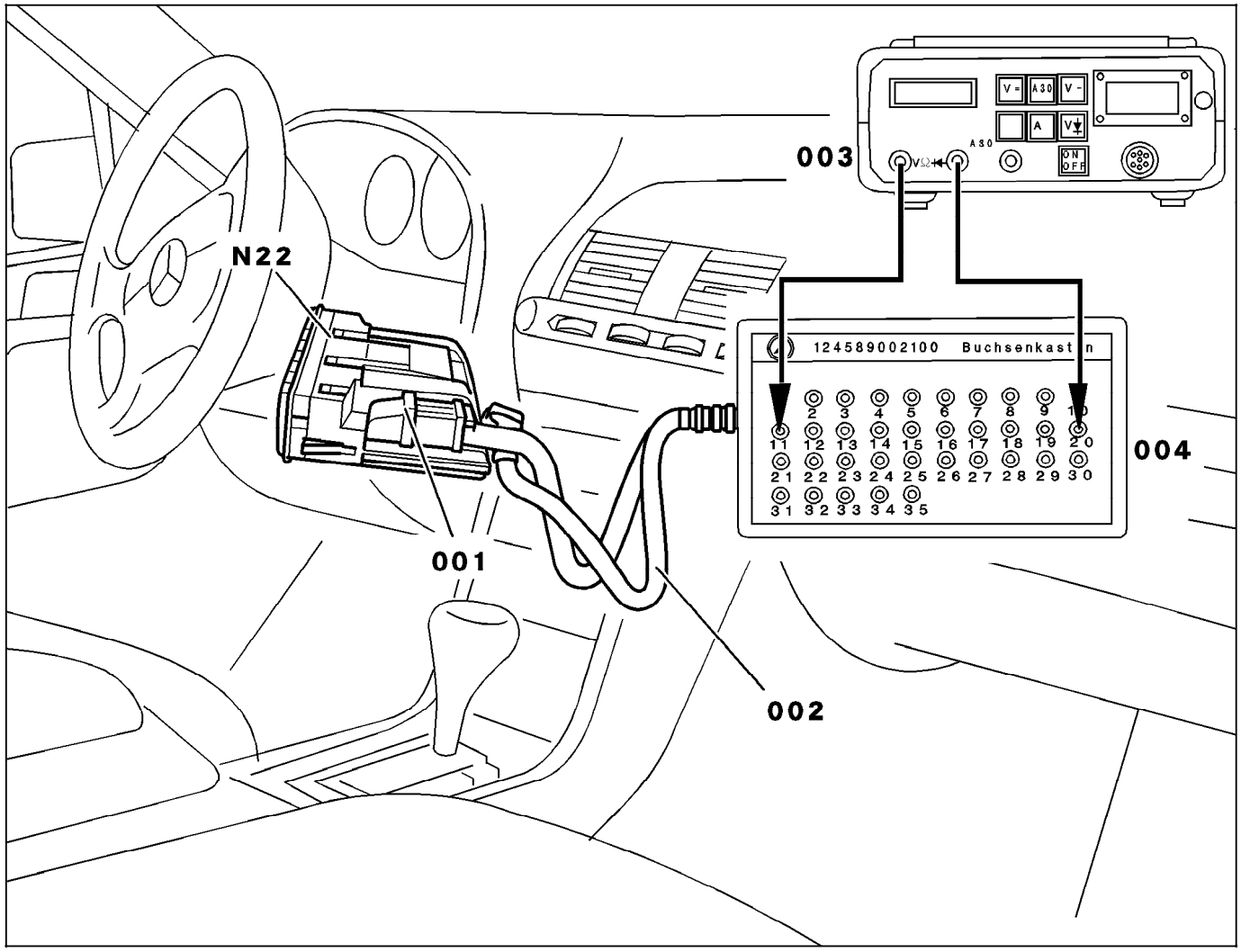


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Figure 1

001	Right connector, A/C pushbutton control module
002	Test cable
003	Multimeter
004	Socket box
N22	A/C pushbutton control module

Electrical Test Program - Preparation for Test

Connection diagram for testing the electrical resistance of the following sensors:

- In-car temperature sensor with aspirator
- Evaporator temperature sensor
- Refrigerant temperature sensor
- Left heater core temperature sensor
- Right heater core temperature sensor
- ECT sensor
- Outside temperature sensor

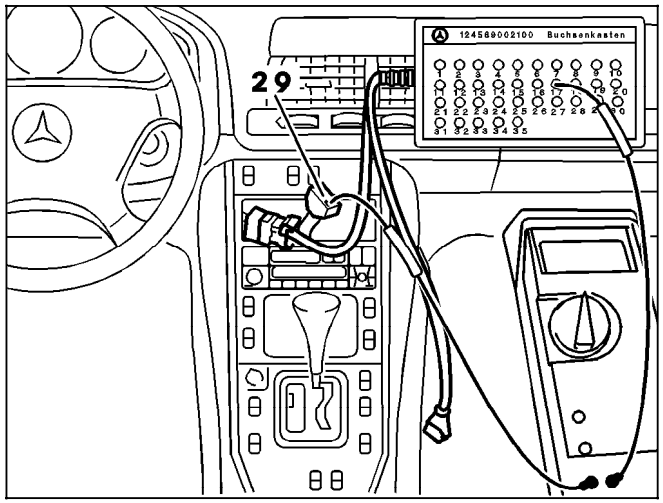

Figure 2

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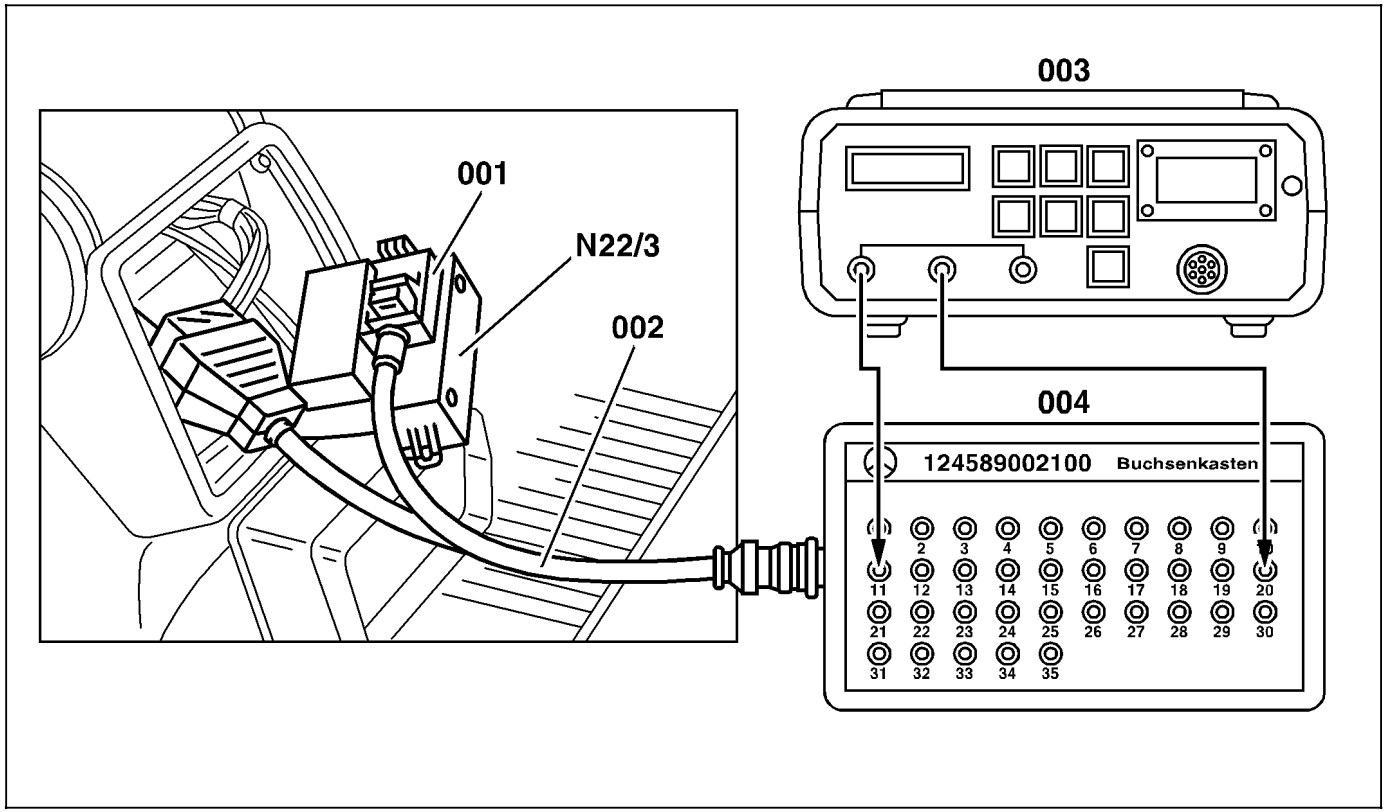
Electrical Test Program - Preparation for Test

Rear A/C



P83.50-2018-05

Figure 3

N22/3	Rear A/C pushbutton control module
001	Right connector, A/C pushbutton control module
002	Test cable
003	Multimeter
004	Socket box