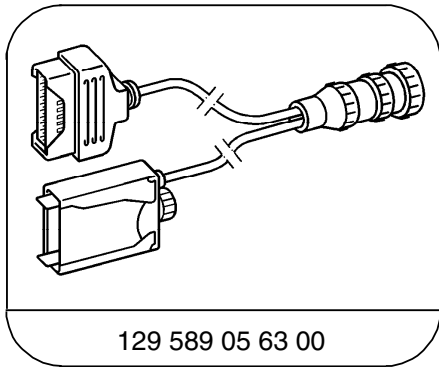


#### Electrical Test Program – Preparation for Test (Compressor Shut-Off)

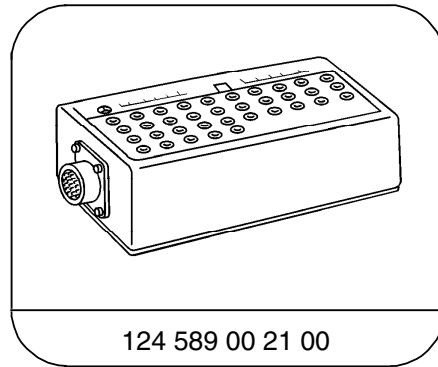
- Check ground connection for A/C pushbutton control module (N22) by turning ignition “ON” and pressing **AUTOMATIC**. Connect voltmeter ( + ) to terminal block, terminal 30/30U/61e/87L (X4/10) and test both connections of dual function A/C compressor pressure switch (S31/1) in series for ground. If there is no ground signal on either connection test the A/C compressor signal ( 23 ⇒ 25.0). If there is a ground signal to only one of the connections, test A/C system pressure. If the pressure is above 3 bar, replace dual function A/C compressor pressure switch (S31/1). If the pressure is below 2 bar, add 200 g refrigerant (R12 or R134a). Check for leaks and repair if necessary (see connection diagram for signal test).

#### Special Tool



129 589 05 63 00

22-pin test cable



124 589 00 21 00

35-pin socket box

#### Conventional tools, test equipment

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

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

#### Electrical Test Program – Preparation for Test (Compressor Shut-Off)

#### Connection Diagram – Signal Test

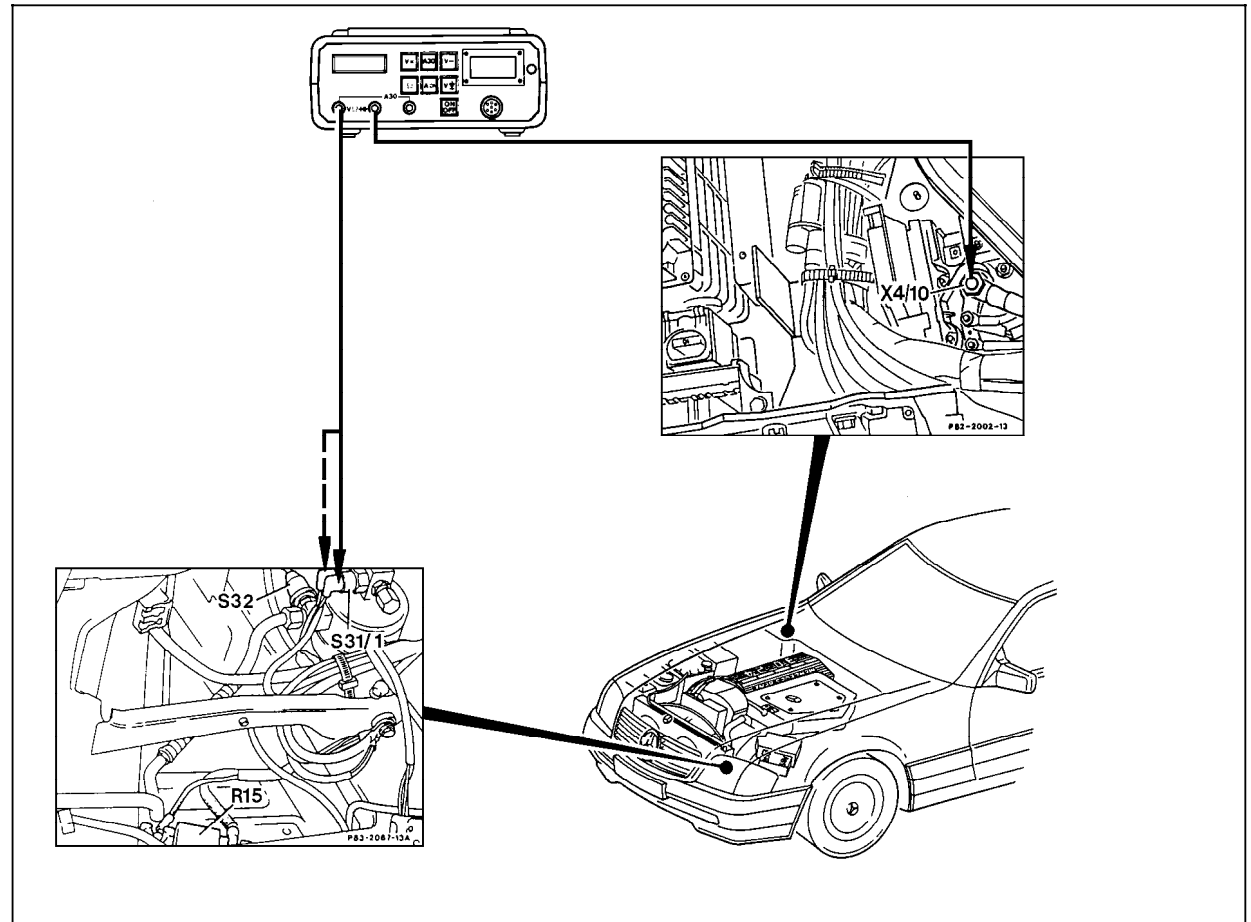


Figure 1

- R15 Auxiliary fan pre-resistor
- S31/1 Dual function A/C compressor pressure switch (OFF 2.0/30.0 bar, ON 2.6/22.0 bar)
- S32 Auxiliary fan/A/C compressor pressure switch (OFF 15.0 bar/ON 20.0 bar)
- X4/10 Terminal block (circuit 30/30Ü/61e/87L) (6-pole)

P83-0033-57

#### Electrical Test Program – Preparation for Test (Compressor Shut-Off)

Connection Diagram – Compressor Shut-Off Test

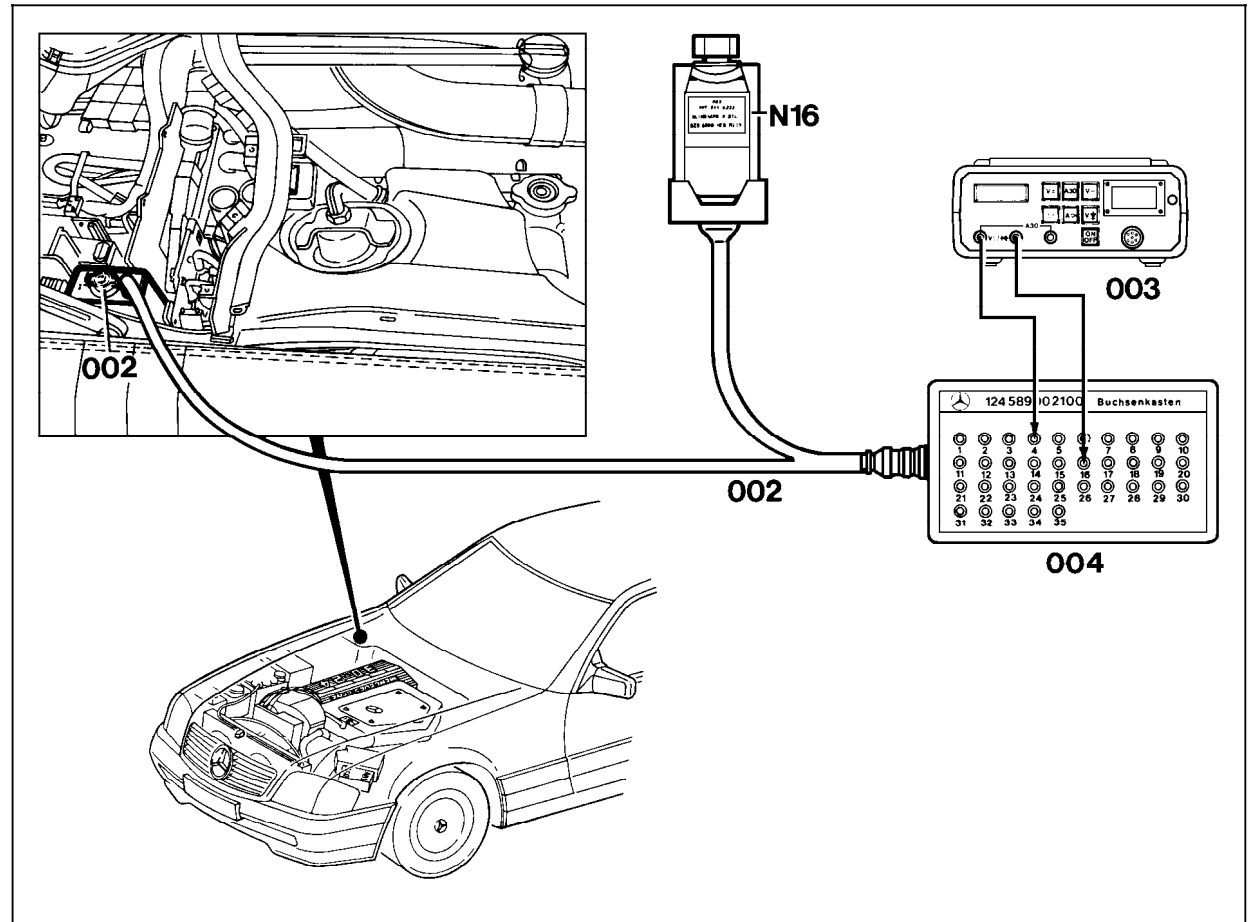


Figure 2

- 002 Test cable
- 003 Multimeter
- 004 Socket box
- N16 Engine systems control module

P83-0043-57