

Electrical Test Program - Preparation for Test

Preliminary work:

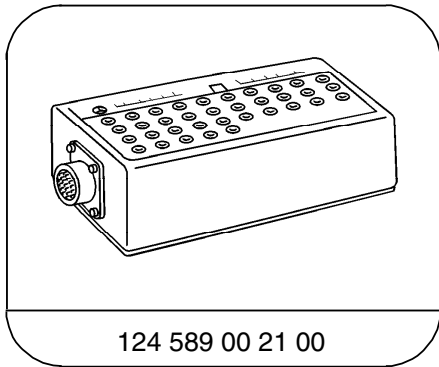
Diagnosis - Diagnostic Trouble Code (DTC) Memory 12

1. Disconnect TCM (N15/1).
2. Connect socket box and test cable according to connection diagram on following page.
3. Test accelerator control, full load stop.
4. Disconnect ABS/ASR control module (N30/1) (if so equipped).

Wiring Diagrams

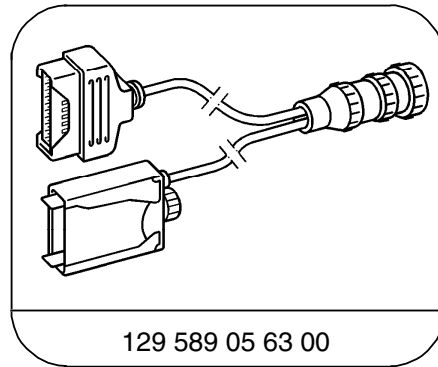
Electrical Troubleshooting Manual, Model 129.

Special Tools



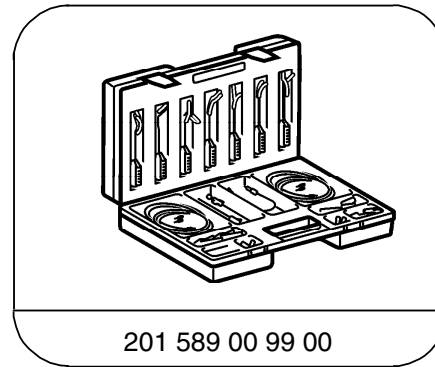
124 589 00 21 00

35-pin socket box



129 589 05 63 00

22-pin test cable



201 589 00 99 00

Electrical connecting set

Equipment

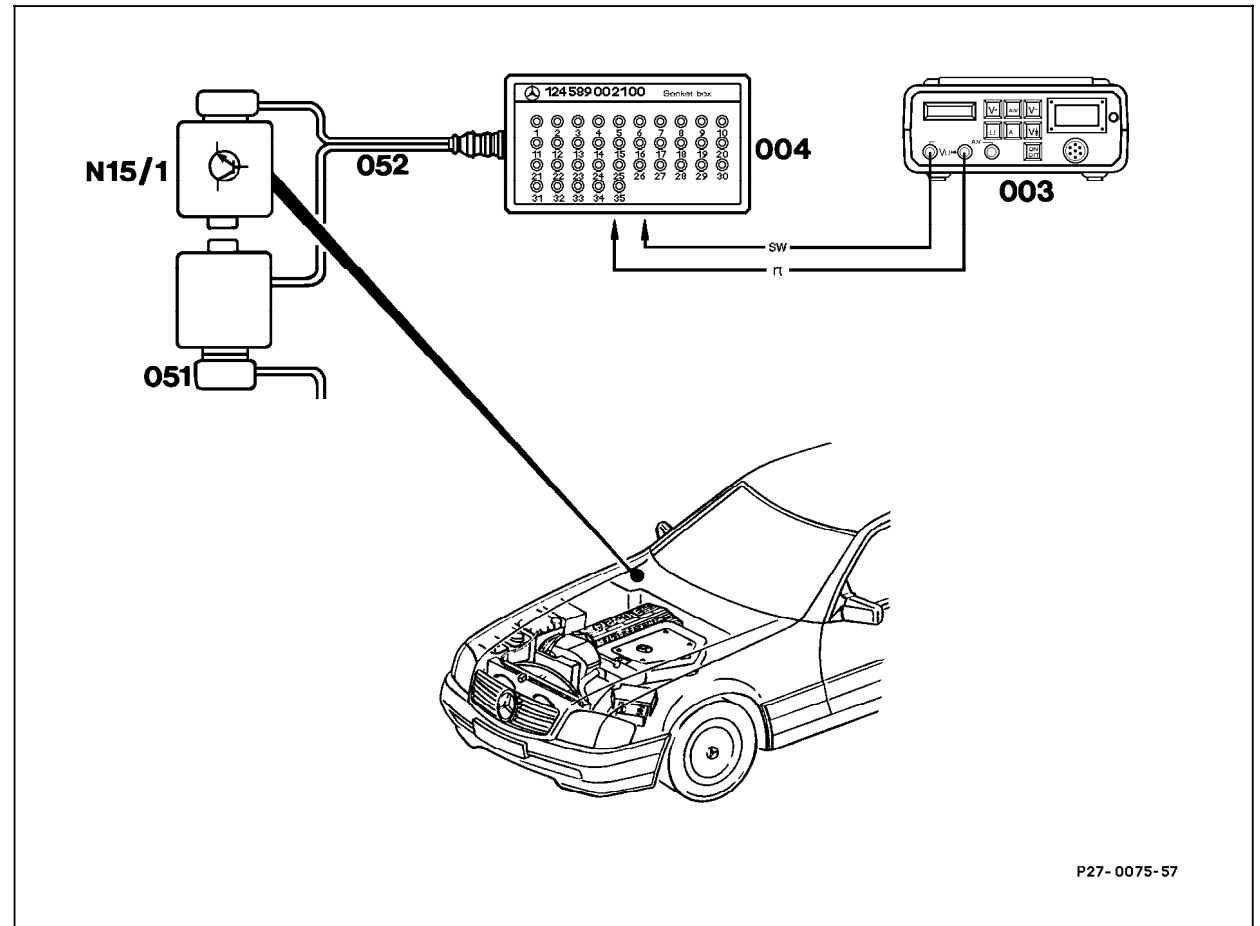
Digital multimeter ¹⁾

Fluke models 23, 83, 85, 87

¹⁾ Available through the MBUSA Standard Equipment Program.

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Connection Diagram - Socket Box

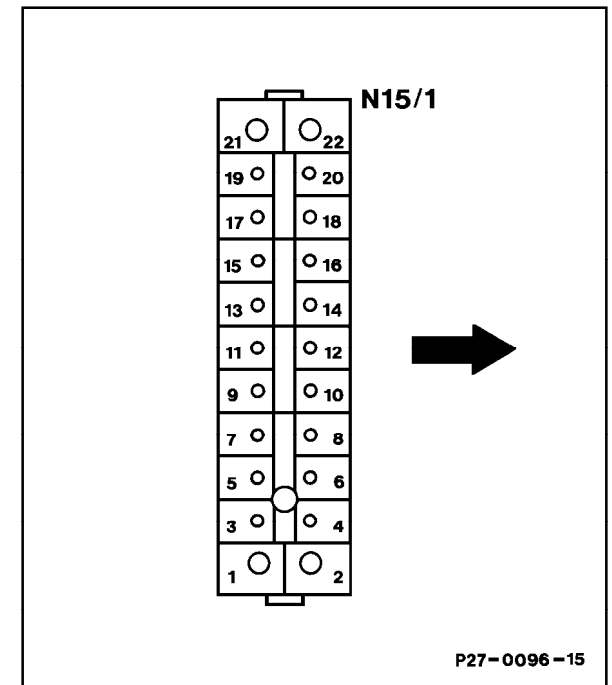


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TCM (N15/1) connector layout

arrow	Driving direction
1	Ground (component compartment) (W16)
2	Valve block control valve (Y3/1y2)
3	TB switch AP potentiometer connector
4-7	Not used
8	TB switch AP potentiometer connector
9-11	Not used
12	TB switch AP potentiometer connector
13	DI control module (N1/3) connector A, socket 6
14	CFI control module (N3) socket 27 and Engine systems control module (N16) socket 11
15	Not used
16	Tachometer
17	TR "D" contact switch (S16/9)
18	Not used
19	Data link connector (X11/4) socket 13
20	Kickdown switch (S16/6)
21	Overvoltage protection relay module (K1/2) socket 6
22	Valve block control valve (Y3/1y2)

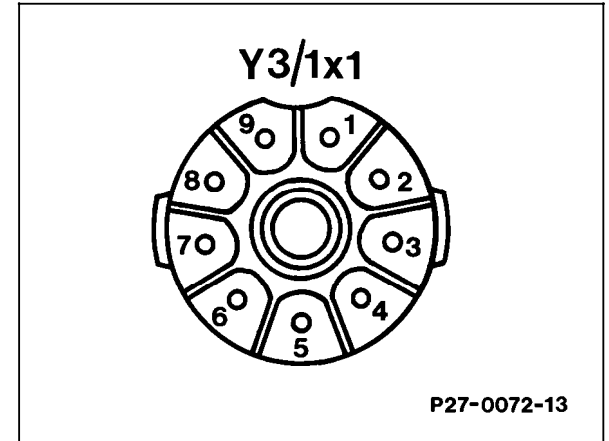


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Valve block connector (Y3/1x1) layout

- 1 Valve block kickdown solenoid valve (Y3/1y1)
- 4 and 7 Valve block control valve (Y3/1y2)



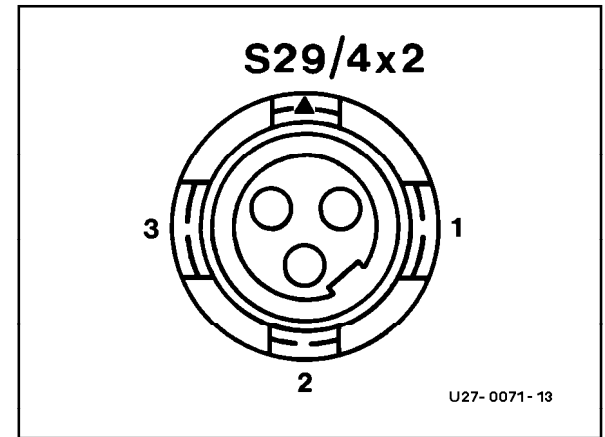
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TB switch AP potentiometer connector (S29/4x2) layout
 Harness side (female)

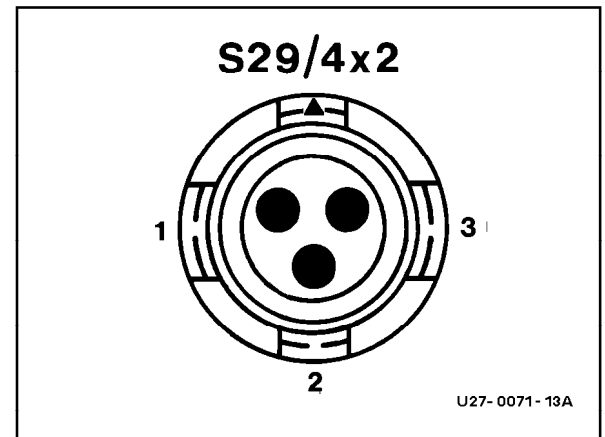
- 1 TCM (N15/1) connector, socket 12
- 2 TCM (N15/1) connector, socket 3
- 3 TCM (N15/1) connector, socket 8



U27-0071-13

TB switch AP potentiometer connector (S29/4x2) layout
 Connector side (male)

- 1 WOT
- 3 CTP



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