

Electrical Test Program - Electronic Accelerator Preparation for Test

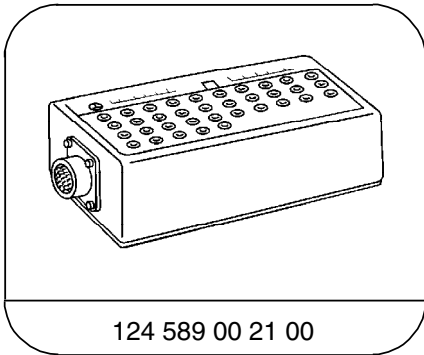
Preliminary work: Linkage adjustment . . . . . SMS, Group, Job No. 30-300

Electronic Accelerator Preparation for Test

- Battery voltage: minimum 11 V

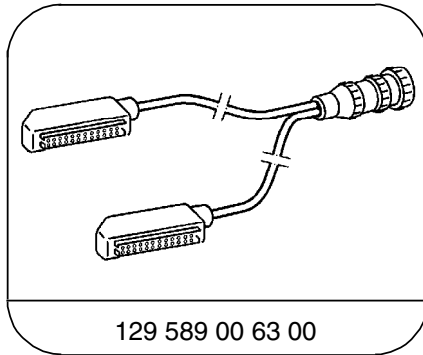
Electrical wiring diagrams, see Electrical Troubleshooting Manual.

Special Tools



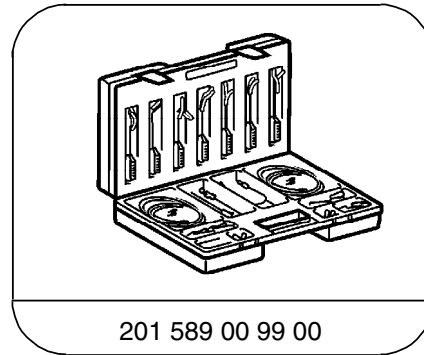
124 589 00 21 00

35-pin socket box



129 589 00 63 00

35-pin test cable



201 589 00 99 00

Electrical connecting set

Equipment

Digital multimeter <sup>1)</sup>	Sun DMM-5 Fluke model 23 with 80i-410 current probe
Signal generator <sup>1)</sup>	Sun DTR 8416

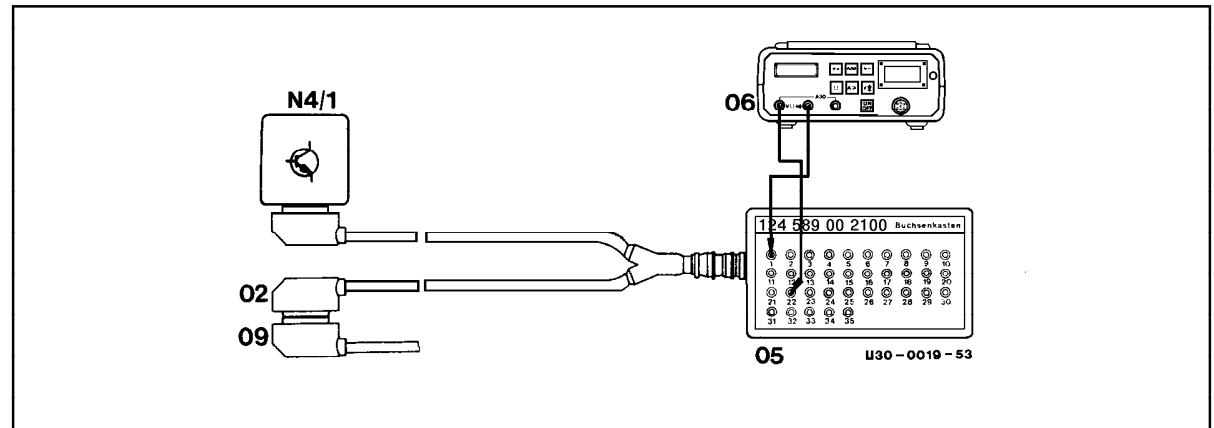
<sup>1)</sup> Available through the MBUSA Standard Equipment Program.

## Electrical Test Program - Electronic Accelerator Preparation for Test

### Connection Diagram – Multimeter for Electronic Accelerator Test Program Engines 104, 119

Figure 1

02	Test cable	129 589 00 63 00
05	Socket box	124 589 00 21 00
06	Multimeter	
09	Vehicle wiring harness (EA/CC) control module	
N4/1	Electronic accelerator/cruise control module	



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**Note:**

On vehicles with 5-speed automatic transmission, unplug transmission control module (5-speed automatic) (N15/1) in order to connect test cable.

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Connection Diagram – 2 Multimeters for Electronic Accelerator Test Program Engines 104, 119

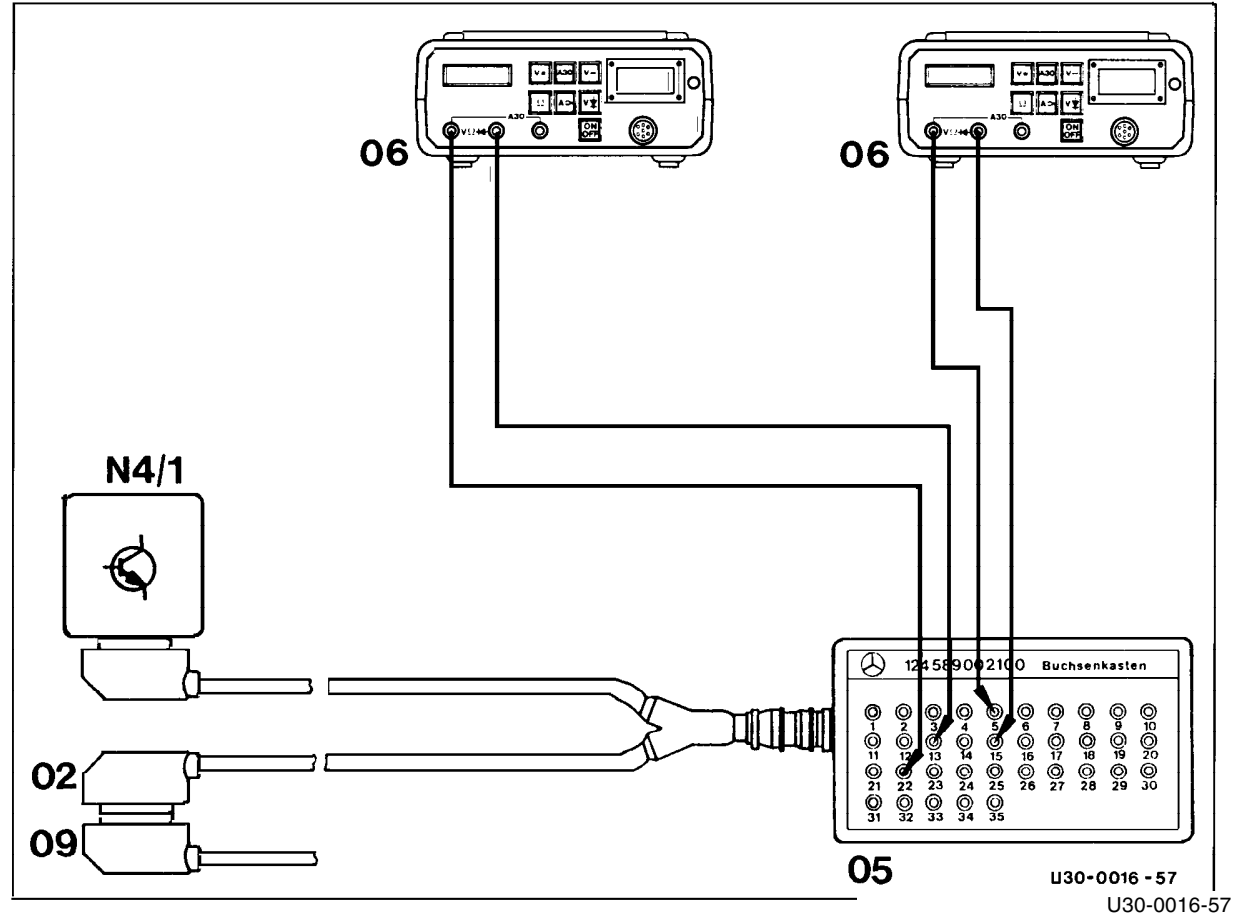


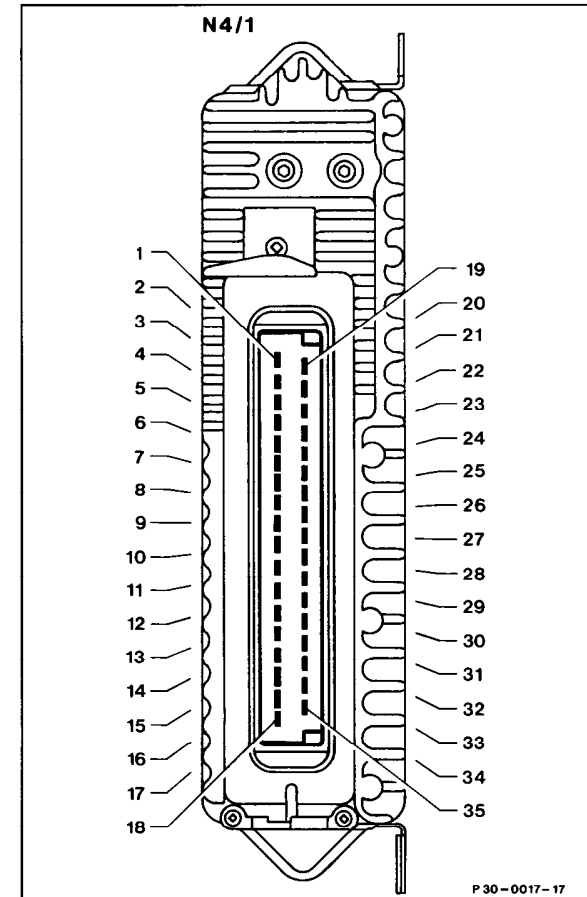
Figure 2

- 02 Test cable 129 589 00 63 00
- 05 Socket box 124 589 00 21 00
- 06 Multimeter
- 09 Vehicle wiring harness (EA/CC control module)

## Electrical Test Program - Electronic Accelerator Preparation for Test

### Terminal layout of electronic accelerator control module connector

1	Voltage supply circuit 15 (unfused)	22	Model 124: Ground, battery (W10) Model 129: Ground, component compartment (W16)
2	Voltage supply circuit 15 (unfused)	23	Model 124: Ground, battery (W10) Model 129: Ground, component compartment (W16)
3	EA/CC actuator (engine)	24	Not used
4	EA/CC actuator (engine)	25	Not used
5	Accelerator pedal position sensor, potentiometer (ground)	26	EA/CC actuator, feedback potentiometer (voltage supply)
6	Electronic accelerator/cruise control actuator, feedback potentiometer (ground)	27	Not used
7	Not used	28	EA/CC actuator, potentiometer
8	Engine 104: Idle speed signal to CFI control module Engine 119: Not used	29	EA/CC actuator, safety switch
9	Accelerator pedal position sensor, potentiometer voltage supply (+)	30	Engine systems control module (MAS), circuit 15, socket 10
10	Not used	31	To ABS/ASR control module (throttle valve-actual voltage signal)
11	Model 124: Ground, battery (W10) Model 129.066: Ground, component compartment (W16)	32	Cruise control switch (ACCEL. SET)
12	Electronic speedometer, speed signal	33	Starter lock-out/backup lamp switch position "R"
13	Accelerator pedal position sensor, safety switch	34	From ABS/ASR control module (throttle valve-nominal voltage signal)
14	Brake lamp switch	35	Cruise control switch (OFF)
15	Accelerator pedal position sensor, potentiometer return signal		
16	Cruise control switch (DECEL. SET)		
17	Not used		
18	Cruise control switch (RESUME)		
19	Not used		
20	EA/CC actuator (engine)		
21	EA/CC actuator (engine)		



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