- 1. Ignition: OFF.
- 2. Connect socket box according to connection diagram (Figure 1 to 3).

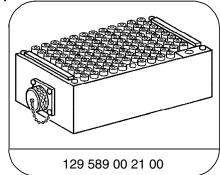
Electrical wiring diagrams:

Electrical Troubleshooting Manual, Model 124

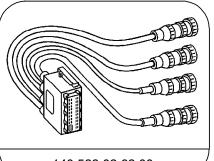
Electrical Troubleshooting Manual, Model 129

Electrical Troubleshooting Manual, Model 140

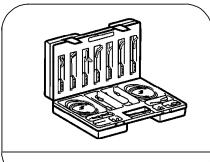
Special Tools





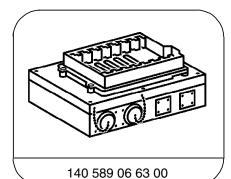


Contacting module 2

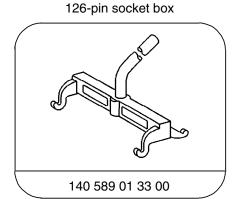


201 589 00 99 00

Electrical connecting set



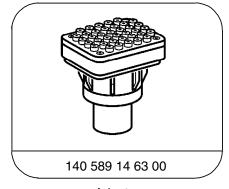
Contacting box



Mounting lever



Spacer



Adapter

Equipment

Digital multimeter 1)

Fluke models 23, 83, 85, 87

1) Available through the MBUSA Standard Equipment Program.

Connection Diagram – Socket Box Model 124 Engine 119

Figure 1

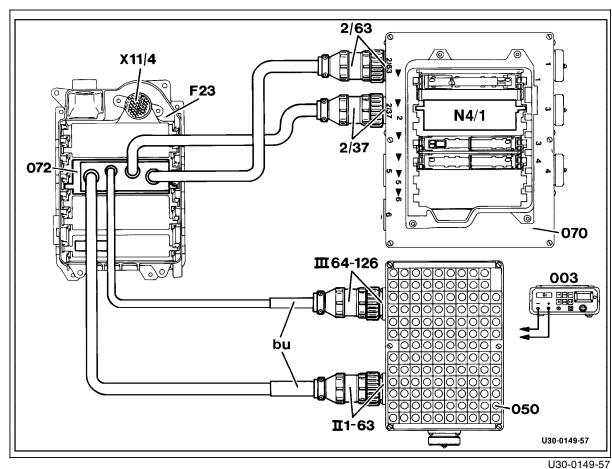
F23 Module box

N4/1 EA/CC/ISC control module X11/4 Data link connector (DTC readout)

Digital multimeter 003 Socket box (126-pole) 050

Contact box 070 072 Contact module 2

bu blue



Connection Diagram - Socket Box Model 129 Engine 119

Figure 1

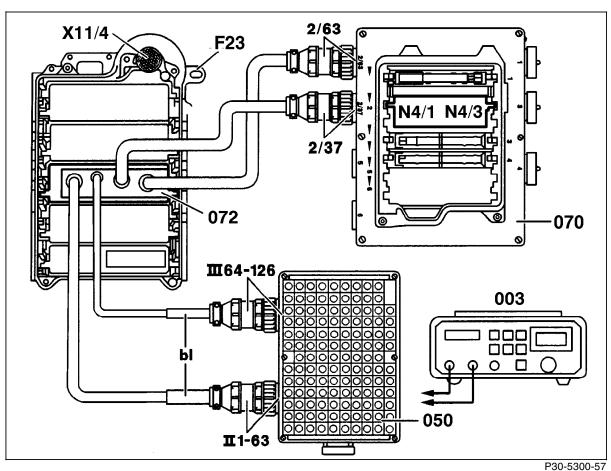
F23 Module box

N4/1 EA/CC/ISC control module X11/4 Data link connector (DTC readout)

Digital multimeter 003 Socket box (126-pole) 050

Contact box 070 072 Contact module 2

bu blue



Connection Diagram – Socket Box Model 140 Engines 104, 119

Figure 1

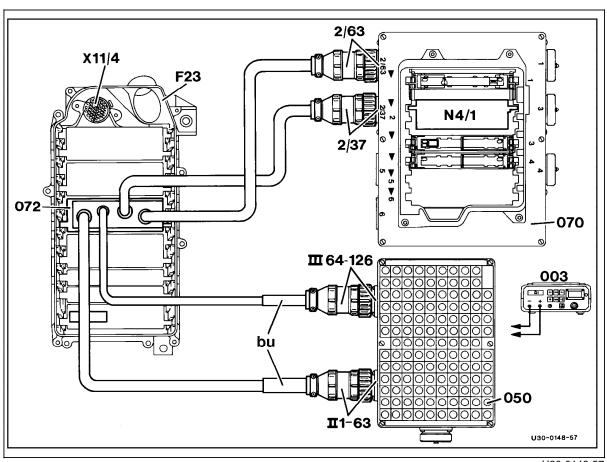
F23 Module box

N4/1 EA/CC/ISC control module
X11/4 Data link connector (DTC readout)

003 Digital multimeter 050 Socket box (126-pole)

070 Contact box 072 Contact module 2

bu blue



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Layout of EA/CC/ISC Control Module Connector "1"

Figure 4

25

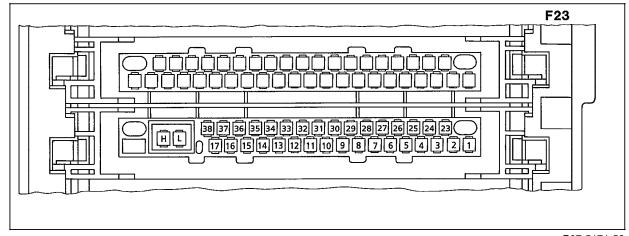
26-28 29

Figure 4	
1	Not used
2	Cruise control switch
3	Starter lock-out/backup lamp switch, transmission
	range "D" recognition
4	Starter lock-out/backup lamp switch,
	transmission range "D" recognition
5	Data link connector (Socket 7)
6	Not used
7	Fuel safety shut-off
	(LH-SFI control module)
8	Not used
9	Closed throttle position switch (ground)
10	Cruise control switch
11	Cruise control switch .
12	Left rear wheel speed sensor, ABS/ASR control
13	Brake lamp switch (ground)
14	Not used
15	Left front wheel speed sensor,
16	A/C compressor input signal (base module)
17 – 23	Not used
24	Closed throttle position recognition

Closed throttle position recognition (positive)

range "R" recognition

Starter lock-out/backup lamp switch, transmission



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30	Brake lamp switch
31	Cruise control switch
32	Idle speed increase diode matrix (V2), Model 140 with M119 only
33	Cruise control switch (OFF)
34	Engine speed signal (base module)
35	Voltage supply unfused circuit 87 Ug
36	Voltage supply unfused circuit 87 Ug
37	Ground, Model 124: W16
38	Ground, Models 129, 140: W15
L	Data line (-)
	Controller Area Network
Н	Data line (+)
	Controller Area Network

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Layout of EA/CC/ISC Control Module Connector "2"

Figure 4

1-7 Not used8 EA/CC/ISC actuator

(reference potentiometer, socket 1)

9 EA/CC/ISC actuator

(actual value potentiometer, socket 2)

10 EA/CC/ISC actuator (ground, socket 18)

11 Not used

12 EA/CC/ISC actuator (positive, socket 9)

13-15 Not used

16 EA/CC/ISC actuator (positive, socket 7)

17-18 Not used

19 EA/CC/ISC actuator

(magnetic clutch ground, socket 11)
20 EA/CC/ISC actuator (positive, socket 12)
21 EA/CC/ISC actuator (ground, socket 13)
22 EA/CC/ISC actuator (ground, socket 13)

23-34 Not used

35 EA/CC/ISC actuator (ground, socket 4)

36-37 Not used

38 EA/CC/ISC actuator

(closed throttle positionswitch, ground, socket 5)

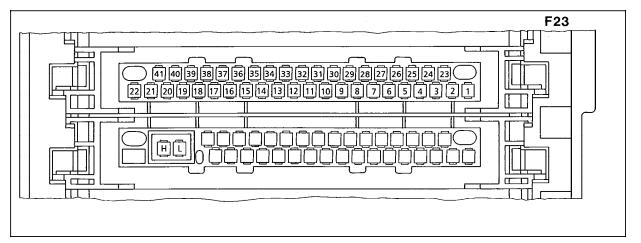
39 Not used

40 EA/CC/ISC actuator

(magnetic clutch, positive, socket 10)

41 EA/CC/ISC actuator

(actuator motor positive, socket 12)



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