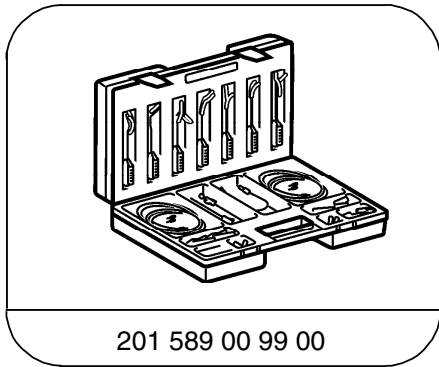


Diagnosis – Diagnostic Trouble Code (DTC) Memory

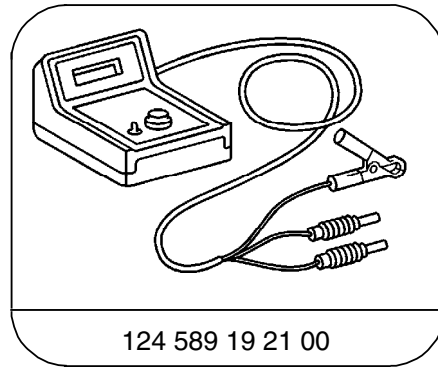
Preliminary work: Diagnosis – Function Test 11
 Read out Diagnostic Trouble Codes, see section 0

Special Tools



201 589 00 99 00

Electrical connecting set



124 589 19 21 00

Pulse counter

Diagnosis

Limit switch diagnostic trouble codes (DTC's) are only stored when the soft top stops moving during soft top operation and the switch is held depressed until the indicator lamp begins blinking. The exceptions are the switches for roll bar extended and roll bar retracted where the indicator lamp in the roll bar switch lights. DTC's 5 - 16 are considered limit switch DTC's, which do not necessarily mean the respective switch is defective, but rather should be interpreted as an indication of which limit switch signals are absent and are needed for the sequence to continue.

Possible causes:

- Electrical fault (the last soft top or roll bar movement requested was completed).
- Hydraulic fault (the last soft top or roll bar movement requested, did not occur).

Diagnosis – Diagnostic Trouble Code (DTC) Memory

Connection Diagram – Impulse Counter Scan Tool

Connect to socket 2 of X11/12 located in right front passenger footwell.
To avoid need for extension cable (010), connect black lead of impulse counter scan tool to good ground and red lead to X4/10 inside vehicle interior.

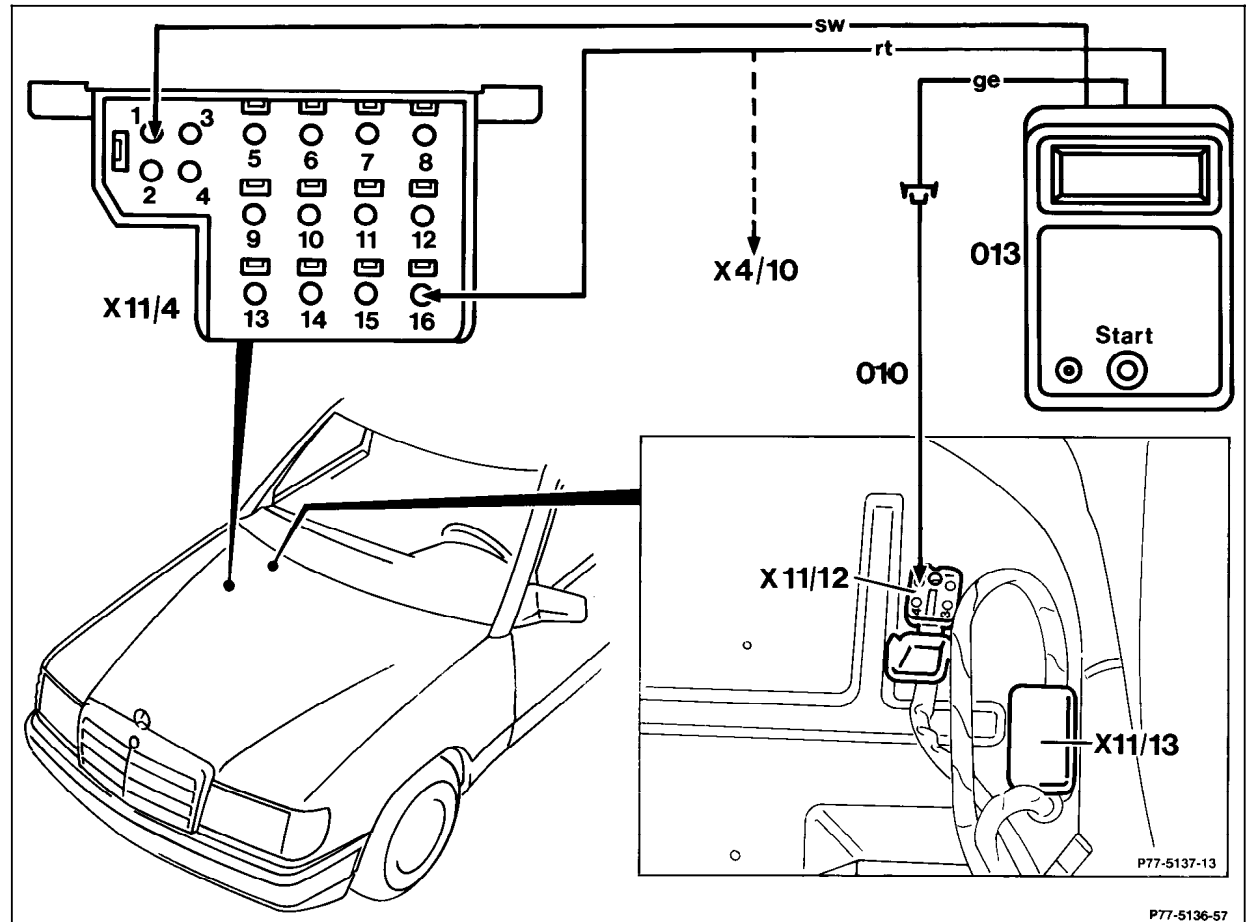


Figure 1

- 010 Extension cable
- 013 Impulse counter scan tool
- X4/10 Terminal block (circuit 30/circuit 61 battery)
- X11/4 Data link connector (DTC readout)
- X11/12 Power soft top test connector (4-pole)
- X11/13 SRS test connector (10-pole)

Diagnosis – Diagnostic Trouble Code (DTC) Memory

Diagnostic trouble code (DTC)	Possible cause	Test step/Remedy ¹⁾
1	No DTC's stored.	–
2	Low voltage	23 ⇒ 1.0
3	Normal operating time exceeded	23 ⇒ 3.0
4	Illogical limit switch signals	24
5	Soft top compartment cover “locked” switch (A25/1s2)	23 ⇒ 5.0
6	Soft top compartment cover “closed” switch (A25/1s1)	23 ⇒ 6.0
7	Soft top storage compartment “open” switch (S84/5)	23 ⇒ 7.0
8	Soft top fabric bow “locked” switch (S84/8)	23 ⇒ 8.0
9	Soft top fabric bow “down” switch (S84/7)	23 ⇒ 9.0
10	Soft top fabric bow “raised” switch (S84/6)	23 ⇒ 10.0
11	Left front soft top “locked” switch (S84/1)	23 ⇒ 11.0
12	Right front soft top “locked” switch (S84/2)	23 ⇒ 12.0
13	Soft top “open” switch (soft top in storage compartment) (S84/3)	23 ⇒ 13.0
14	Soft top “overhead” switch (S84/4)	23 ⇒ 14.0
15	RB “retracted” switch (S83/5)	23 ⇒ 15.0

¹⁾ Observe Preparation for Test, see 22.

Diagnosis – Diagnostic Trouble Code (DTC) Memory

Diagnostic trouble code (DTC)	Possible cause	Test step/Remedy ¹⁾
16	RB “extended” switch (S83/6)	23 ⇒ 16.0
17	Automatic deployment of roll bar has occurred	23 ⇒ 17.0
18	Power soft top switch (S84)	23 ⇒ 18.0
19	Vehicle speed signal	23 ⇒ 19.0
20	Circuit in control module (N52), solenoid valve, roll bar retracted	N52
21	Circuit in CST/RB hydraulic unit (A7/5), circuit in RB rod side valve (Y57y10)	23 ⇒ 2.0, 21.0
22	Circuit in control module (N52), solenoid valve, roll bar extended	N52
23	Circuit in RB piston side valve (Y57y11)	23 ⇒ 23.0
24	Circuit in control module (N52), power windows	N52

¹⁾ Observe Preparation for Test, see 22.