Diagnosis - Diagnostic Trouble Code (DTC) Memory

Preparation for DTC Readout

The ASD control module (N30/2) features DTC memory which can store only **one** code in memory.

The first recognized fault is stored in memory. The memory **is not** erased when the vehicle battery or ASD control module are disconnected.

The DTC can be read via:
• the impulse counter scan tool, or
• the ASD MIL (A1e24) in the instrument cluster.

1. Connect impulse counter scan tool to data link connector (X11/4) according to connection diagram on following page.

   Note:
   Connect yellow wire from impulse counter scan tool to:
    ASD control module   socket 5.

2. Engine: **at Idle**.

3. Read out DTC for ASD control module (N30/2), see section 0.

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   To erase the DTC, Engine: **at Idle**.

Special Tools

124 589 19 21 00

Pulse counter

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Diagnosis - Diagnostic Trouble Code (DTC) Memory
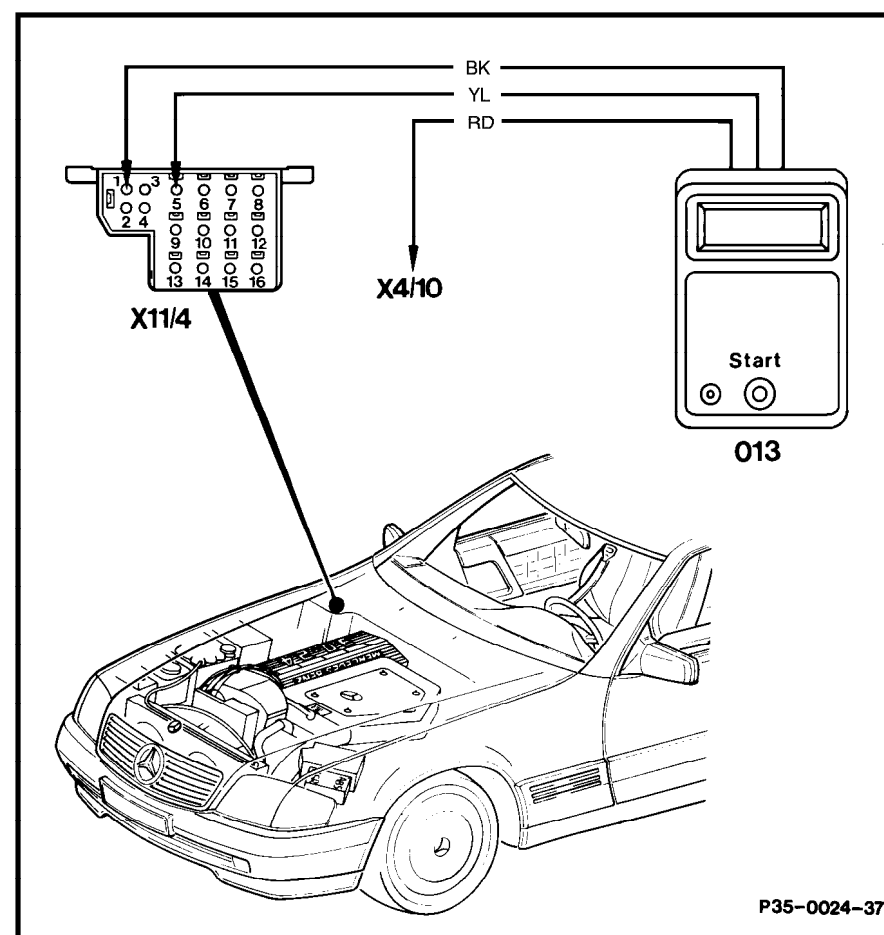
Connection Diagram - Impulse Counter Scan Tool
Shown on model 129

P35-0024-37

Figure 1

013	Impulse counter scan tool
X4/10	Terminal block
X11/4	Data link connector

Diagnosis - Diagnostic Trouble Code (DTC) Memory

DTC readout via the ASD MIL (A1e24)
Shown on model 129

Engine: **at Idle**
Bridge sockets 1 and 5 on the data link connector
(X11/4) for approximately one second.
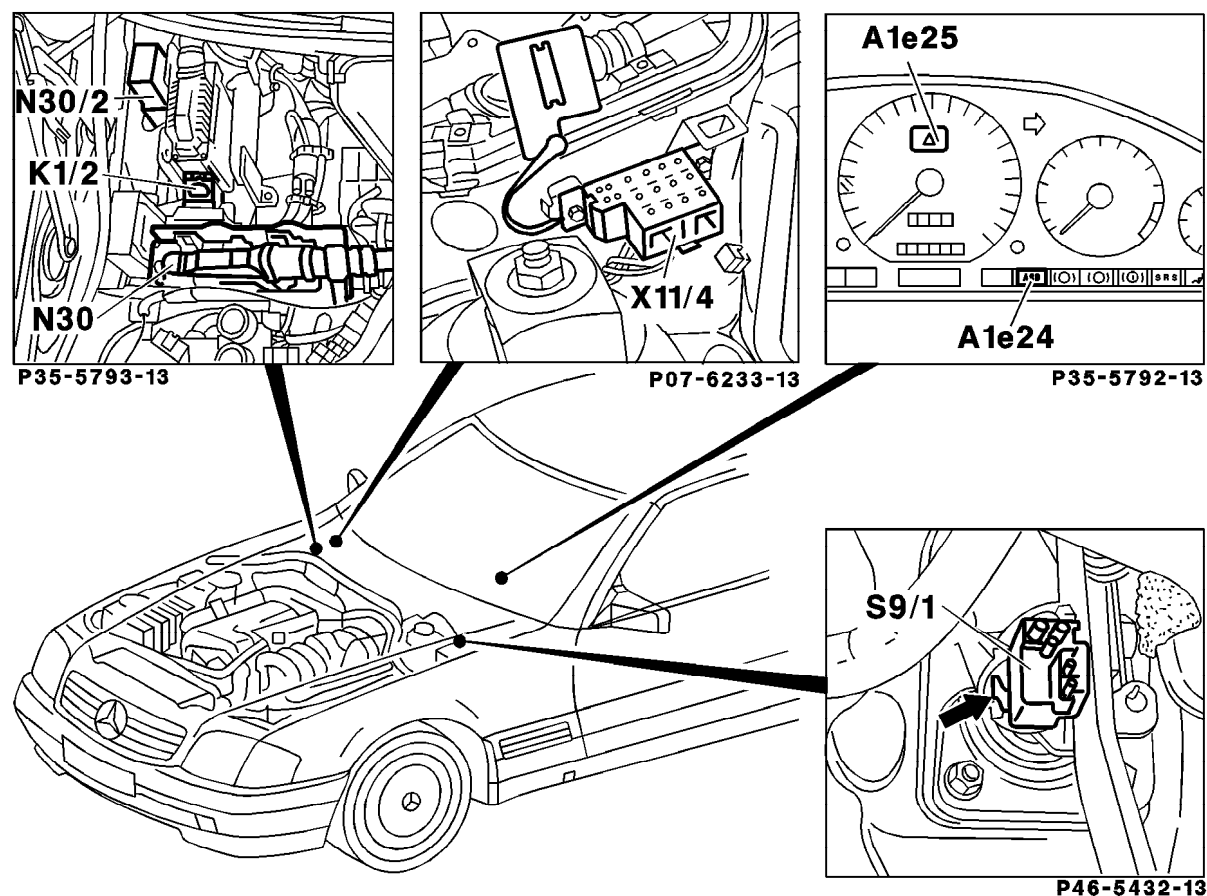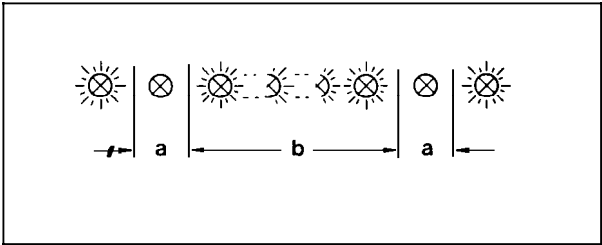Count number of impulses on ASD MIL (A1e24),
see Fiure 3.

Figure 2

A1e24   ASD MIL
A1e25   ASD warning lamp
X11/4   Data link connector

P35-5782-57
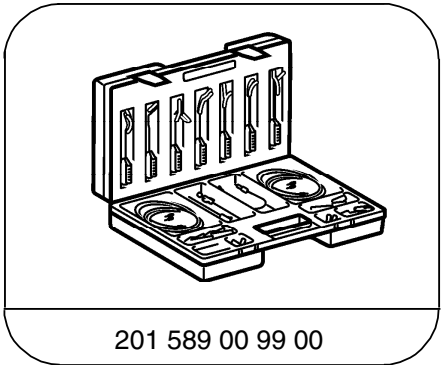
Diagnosis - Diagnostic Trouble Code (DTC) Memory

DTC readout via the ASD MIL (A1e24)
DTC indication

Figure 3
a   Pause for approximately two seconds
b   DTC (e.g. 4)

P35-0130-11

Special Tools

201 589 00 99 00

Electrical connecting set

Diagnosis - Diagnostic Trouble Code (DTC) Memory

Diagnostic trouble code (DTC)	Possible cause	Test step/Remedy [1]
1	No fault in system.	In case of complaint: 23 and 33 (entire test)
2	ASD control module (N30/2).	Replace N30/2.
3	Stop lamp switch (S9/1).	23⇒ 6.0
4	Left front axle VSS sensor (L6/1) or VSS from ABS control module, N30.	23⇒ 9.0
5	Right front axle VSS sensor (L6/2) or VSS from ABS control module, N30.	23⇒ 10.0
6	Rear axle VSS sensor (L6) or VSS from ABS control module, N30.	23⇒ 11.0
7	No VSS from any sensor (L6, L6/1, L6/2).	23⇒ 9.0, 10.0, 11.0
8	ASD valve (Y38) or stop lamp switch (S9/1).	23⇒ 7.0 23⇒ 8.0

[1]   Observe Preparation for Test, see 22.

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