

### Diagnosis - Diagnostic Trouble Code (DTC) Memory

#### Preparation for DTC Readout

1. Connect impulse counter scan tool or Hand-Held Testr (HHT) to data link connector (X11/4) according to connection diagram (see section 0).

#### Note:

Connect yellow wire from impulse counter scan tool to:

ASD control module (N30/2)

- 16-pole data link connector (X11/4) socket 5
- 38-pole data link connector (X11/4) socket 26

2. Engine: **at Idle**.
3. Read out DTC's for ASD control module (N30/2).

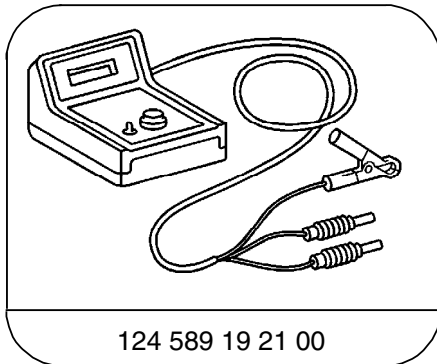


To erase DTC's, Engine: **at Idle**.

#### Note:

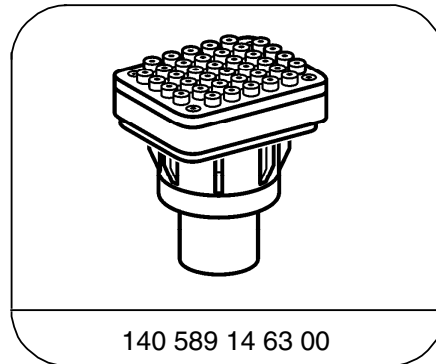
To activate the DTC memory of a new ASD control module (N30/2), see 12.

#### Special Tools



124 589 19 21 00

Pulse counter



140 589 14 63 00


Adapter

#### Equipment

Hand-Held Tester (HHT)

See S.I. in groups 58 and 99.

#### Diagnosis - Diagnostic Trouble Code (DTC) Memory

Diagnostic trouble code (DTC) 	Possible cause	Test step/Remedy <sup>1)</sup>
1                    -	No fault in system.	In case of complaint: 23 and 33 (entire test)
2                    002	ASD control module (N30/2).	Replace N30/2.
3                    003	Stop lamp switch (S9/1).	23⇒ 6.0 23⇒ 7.0
4                    004	Left front axle VSS sensor (L6/1) or from ABS control module (N30).	23⇒ 10.0
5                    005	Right front axle VSS sensor (L6/2) or from ABS control module (N30).	23⇒ 9.0
6                    006	Rear axle VSS sensor (L6) or from ABS control module (N30).	23⇒ 11.0
7                    007	No VSS from any sensor (L6, L6/1, L6/2).	23⇒ 9.0 23⇒ 10.0 23⇒ 11.0
8                    008	ASD valve (Y38) or stop lamp switch (S9/1).	23⇒ 6.0 23⇒ 7.0 23⇒ 8.0
9                    009	Incorrect front axle tooth count, signal implausible <sup>2)</sup>	Visually inspect

<sup>1)</sup> Observe Preparation for Test, see 22.

<sup>2)</sup> Rotor with incorrect tooth count, dirt accumulation on or damaged rotor, incorrect rear axle ratio, wrong wheel or tire size.