

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

#### Test Preparation for DTC Readout

1. Connect impulse counter scan tool or Hand-Held Tester to data link connector (X11/4) as shown in section 0.

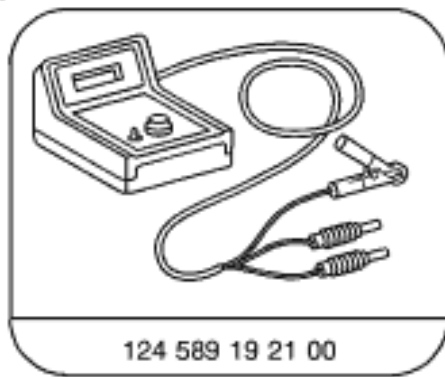
#### Note:

Connect yellow wire from impulse counter scan tool as follows:

SPS control module (N49/1)	socket 12
Base module (N16/1)	socket 8

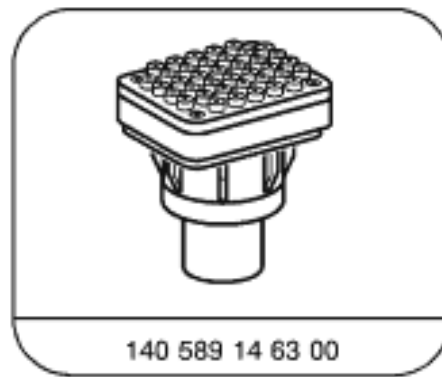
2. Ignition: **ON**.
3. Read DTC memory of SPS control module (N49/1), and base module (N16/1).

#### Special Tools



124 589 19 21 00

Impulse counter



140 589 14 63 00

Adapter



#### Equipment

Hand-Held Tester (HHT)

see applicable Service Information in groups 58 and 99

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



#### Model 140.0 (LH-SFI up 05/93), 140.1 (diesel)

Diagnostic trouble code (DTC)  	Possible cause	Test step/Remedy <sup>1)</sup>
1 -	No fault recognized. In case of complaint:	23 (entire test)
2 002	Speed-sensitive power steering control module (N49/1)	N49/1
3 003	Rear axle/left rear axle vehicle speed signal malfunction	23 ⇒ 7.0
4 004	Right rear axle vehicle speed signal malfunction	23 ⇒ 6.0
5 005	Comparison of left and right rear axle vehicle speed signals malfunctioning	23 ⇒ 7.0
6 006	Vehicle speed signal from axle missing	23 ⇒ 7.0
7 007	Vehicle speed signal from transmission missing	23 ⇒ 5.0
8 008	Short circuit between speed sensitive power steering P-valve (Y10) (+) and U <sub>BATT</sub>	23 ⇒ 4.0
9 009	Speed-sensitive power steering P-valve (Y10), short circuit	23 ⇒ 4.0
10 010	Speed-sensitive power steering P-valve (Y10), open circuit	23 ⇒ 4.0
11 011	Voltage supply to speed-sensitive power steering control module (N49/1) insufficient voltage	23 ⇒ 1.0

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

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

#### Model 140.0 (HFM-SFI and LH-SFI as of 06/93)

Diagnostic trouble code (DTC)  	Possible cause	Test step/Remedy <sup>1)</sup>
1                    -	No fault recognized. In case of complaint:	23 (entire test)
2                    002	Speed-sensitive power steering control module (N49/1)	N49/1
3                    003	Comparison of axle vehicle speed signal status/left front axle vehicle speed signal malfunctioning	23 ⇒ 7.0 23 ⇒ 8.0
4                    004	Axle vehicle speed signal status missing	23 ⇒ 8.0
5                    005	Speed-sensitive power steering control module (N49/1)	N49/1
6                    006	Speed sensitive power steering P-valve (Y10); short circuit	23 ⇒ 4.0
7                    007	Speed sensitive power steering P-valve (Y10); open circuit	23 ⇒ 4.0
8                    008	Short circuit between speed sensitive power steering P-valve (Y10) (+) and U <sub>BATT</sub>	23 ⇒ 1.0

1) Observe Preparation for Test, see 22.