

Diagnosis - Diagnostic Trouble Code (DTC) Memory

Test Preparation for DTC Readout

1. Connect impulse counter scan tool or Hand-Held Tester to 38-pole data link connector (X11/4) as shown in section 0.

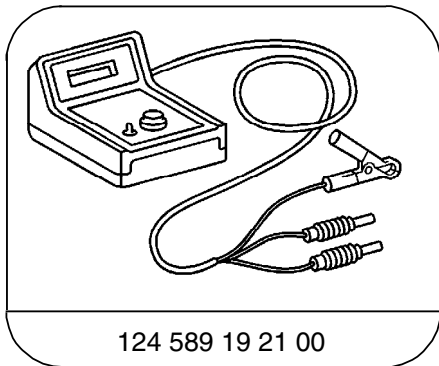
Note:

Connect yellow wire from impulse counter scan tool as follows:
 ABS control module (N30) socket 6

3. Read out DTC memory of ABS control module (N30).

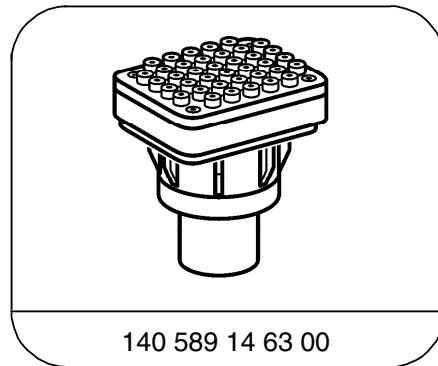
2. Ignition: **ON**.

Special Tools



124 589 19 21 00

Pulse 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

Diagnostic trouble code (DTC)  	Possible cause	Test step/Remedy ¹⁾
1 -	No faults recognized. In case of complaint:	23 (entire test)
2 002	Left front axle vehicle speed sensor (L6/1), open circuit	23 ⇒ 7.0
3 003	Right front axle vehicle speed sensor (L6/2), open circuit	23 ⇒ 9.0
4 004	Rear axle vehicle speed sensor (L6), open circuit	23 ⇒ 11.0
6 006	Left front axle solenoid valve (A7y1)	23 ⇒ 13.0
7 007	Right front axle solenoid valve (A7y2)	23 ⇒ 14.0
8 008	Rear axle solenoid valve (A7y3)	23 ⇒ 15.0
10 010	Return pump (A7m1) or return pump relay (A7k2)	23 ⇒ 6.0
11 011	Solenoid valve relay (A7k1)	23 ⇒ 5.0
15 015	ABS control module (N30)	Replace N30.
16 016	Implausible signal, vehicle speed sensors (L6/1, L6/2, L6) ²⁾	23 ⇒ 7.0, 9.0, 11.0, Visual inspection.
17 017	Low battery voltage	23 ⇒ 1.0
25 025	Implausible signal, left front vehicle speed sensor (L6/1) ²⁾	23 ⇒ 7.0
26 026	Implausible signal, right front vehicle speed sensor (L6/2) ²⁾	23 ⇒ 9.0
27 027	Implausible signal, rear axle vehicle speed sensor (L6) ²⁾	23 ⇒ 11.0

¹⁾ Observe Preparation for Test, see 22.

²⁾ Rotor tooth count wrong or dirty/damaged, or wrong rear axle ratio, tires or wheels.