

Diagnosis – Diagnostic Trouble Code (DTC) Memory

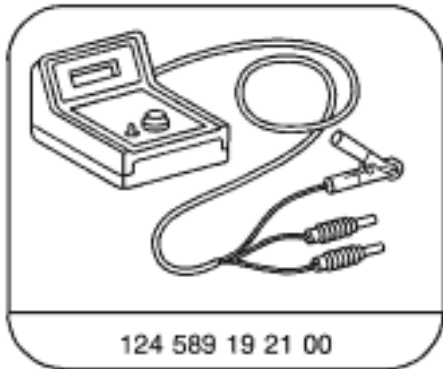
Test Preparation for DTC Readout

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

Note: Connect yellow wire from impulse counter scan tool to:
ADS control module (N51) socket 11
Base module (N16/1) socket 8

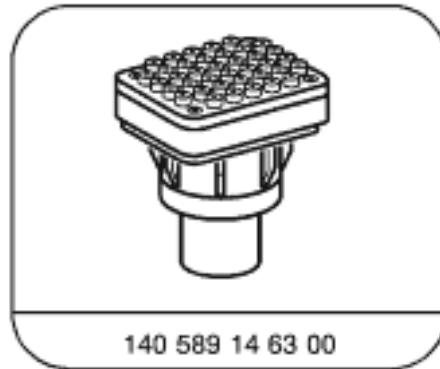
2. Read out any stored DTC's from ADS control module (N51) and BM (N16/1).

Special Tools



124 589 19 21 00

Pulse counter



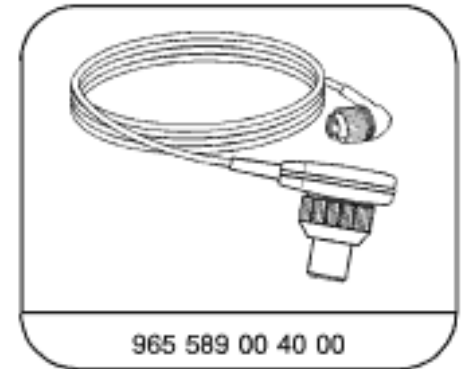
140 589 14 63 00

Adapter



965 589 00 01 00



Hand-Held-Tester



965 589 00 40 00



Test cable

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Diagnostic trouble code (DTC)  	Possible cause	Test step/Remedy ¹⁾
1 —	No fault in system.	In case of complaint: 23 and 33 (entire test)
2 002	ADS control module (N51)	Replace N51.
3 003	Body acceleration sensor (B24)	23 ⇒ 7.0
4 004	Wheel acceleration sensor (B24/1)	23 ⇒ 6.0
5 005	Steering angle sensor (N49)	23 ⇒ 9.0
6 006	Left/right front axle solenoid valve 1 (Y51y1, Y52y1)	23 ⇒ 14.0, 16.0
7 007	Left/right front axle solenoid valve 2 (Y51y2, Y52y2)	23 ⇒ 15.0, 17.0
8 008	Left/right rear axle solenoid valve 1 (Y53y1, Y54y1)	23 ⇒ 12.0
9 009	Left/right rear axle solenoid valve 2 (Y53y2, Y54y2)	23 ⇒ 13.0
10 010	<i>Not for U.S.A. vehicles.</i>	
11 011	<i>Not for U.S.A. vehicles.</i>	
12 012	Model 129 Left front (VSS) from ABS or ABS/ASR control module Model 140 Right front (VSS) from ABS or ABS/ASR control module	23 ⇒ 4.0

¹⁾ Observe Preparation for Test, see 22.

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Diagnostic trouble code (DTC)  	Possible cause	Test step/Remedy ¹⁾
Model 129 only 13 013	Oil level switch (S44)	23 ⇒ 18.0
14 014	Steering angle sensor (N49) not initialized	23 ⇒ 10.0
15 015	Comfort/sport switch (S45/1), short circuit	23 ⇒ 11.0
16 016	<i>Not for U.S.A. vehicles.</i>	
17 017	Vehicle load sensor (N51/1)	23 ⇒ 8.0
18 018	ADS MIL (A1e27)	23 ⇒ 5.0
19 019	Voltage supply too low	23 ⇒ 1.0
20 020	Steering angle sensor (N49)	23 ⇒ 9.0
21 021	Voltage supply too high	23 ⇒ 1.0
22 022	Comfort/sport switch (S45/1)	23 ⇒ 11.0
23 023	<i>Not for U.S.A. vehicles.</i>	

1) Observe Preparation for Test, see 22.