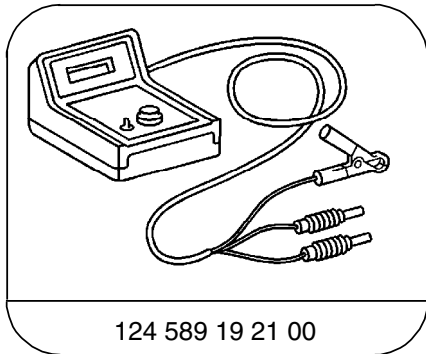


Diagnosis - Diagnostic Trouble Code (DTC) Readout

Preparation for DTC Readout

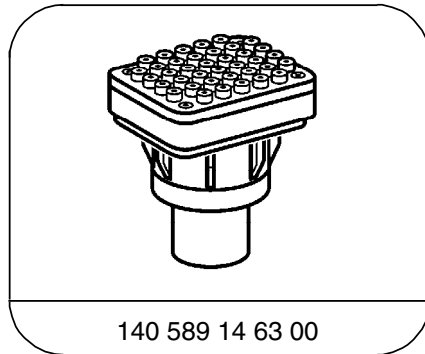
- Connect impulse counter scan tool and/or HHT to data link connector (X11/4) according to connection diagram (see section 0). yellow wire to socket 7

Special Tools



124 589 19 21 00

Pulse counter



140 589 14 63 00

Adapter


Equipment

Hand-Held Tester (HHT) ¹⁾

see current MBUSA service information in groups 58 and 99


¹⁾ Available through the MBUSA Standard Equipment Program.

Diagnosis - Diagnostic Trouble Code (DTC) Readout

Diagnostic trouble code (DTC) 	Possible cause	Test step/Remedy ¹⁾
1 -	No fault in system	-
2 002 006 007 008 009 025	CC/ISC control module (N4/3) Safety contact switch (M16/3s1) Stop lamp switch (S9/1) Cruise control switch (S40) OFF CC/ISC control module (N4/3) Actual value potentiometer (M16/1r2) Starter lock-out/back-up lamp switch (S16/3) (transmission range recognition) Engine speed (TNA) signal Vehicle speed signal (VSS) Safety relay within CC/ISC control module (N4/3) CC/ISC control module (N4/3) Engine harness	N4/3 23⇒ 6.0–8.0 23⇒ 17.0 23⇒ 2.0 N4/3 23⇒ 3.0, 5.0 23⇒ 11.0 23⇒ 14.0 23⇒ 15.0, 16.0 N4/3 N4/3 Check harness wire insulation.
- 037	Conditions for activation of CC/ISC actuator (M16/2) not fulfilled.	Conditions: Engine: OFF Transmission range: P/N



1) Observe Preparation for Test, see 22.

Diagnosis - Diagnostic Trouble Code (DTC) Readout

Diagnostic trouble code (DTC) 	Possible cause	Test step/Remedy ¹⁾
3 054, 056 048 049 050 051 057 055	CC/ISC actuator (M16/2) Throttle valve actual valve potentiometer (M16/2r2) Drive actual value potentiometer (M16/2r1) Safety contact switch (M16/2s1) Closed throttle recognition switch (M16/2s2) CC/ISC actuator (M16/2) (voltage supply) Reset not accomplished (actuator adaptation)	23⇒ 3.0–10.0 23⇒ 5.0 23⇒ 4.0 23⇒ 6.0, 8.0 23⇒ 6.0, 7.0 23⇒ 3.0 Erase DTC: Ignition: OFF Ignition: ON (for at least 90 seconds). If DTC reappears: CC/ISC actuator (M16/2)
4 064	Cruise control switch (S40)	23⇒ 2.0
5 080	Stop lamp switch (S9/1)	23⇒ 17.0
6 097	<i>Not valid for U.S.A. vehicles</i>	

¹⁾ Observe Preparation for Test, see 22.

Diagnosis - Diagnostic Trouble Code (DTC) Readout

Diagnostic trouble code (DTC)  	Possible cause	Test step/Remedy ¹⁾
7 112 115	CAN databus: Message from CC/ISC control module (N4/3) faulty Reception from LH-SFI control module (N3/1) faulty	N4/3 23⇒ 21.0
8 129, 130	Left front axle vehicle speed signal (L6/1) from ABS control module (N30)	23⇒ 15.0
9 144	Rear axle vehicle speed signal (L6) from ABS control module (N30)	23⇒ 16.0
10 160	Engine speed signal (TNA) from base module (N16/1)	23⇒ 14.0
11 176, 182 177-179	Fuel safety shut-off signal to LH-SFI control module (N3/1) Closed throttle recognition signal to LH-SFI control module (N3/1)	23⇒ 19.0 23⇒ 20.0
12 192, 193	Voltage supply, circuit 87	23⇒ 1.0

¹⁾ Observe Preparation for Test, see 22.