

Diagnosis – Diagnostic Trouble Code (DTC) Memory

Preliminary work:

Function test 11

Preparation for Test (DTC readout):

1. Fuses OK.
2. Battery voltage >11 V.
3. Unlock vehicle.
4. Ignition ON.
5. Connect Hand-Held Tester (HHT) according to connection diagram shown in section 0.

Note:

The diagnostic trouble codes (DTC's) can only be read out and erased using the Hand-Held Tester (HHT).

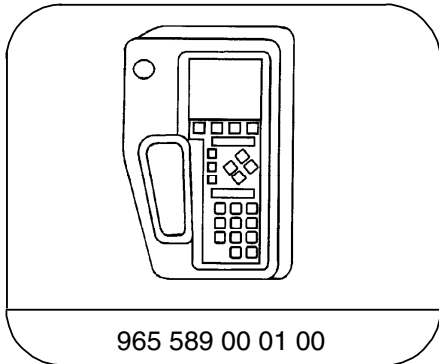
Note regarding Diagnostic Trouble Codes (DTC's):

Current diagnostic trouble codes are highlighted in black on the display. Additional detailed fault information based on fault type is displayed with nearly all diagnostic codes (DTC's) such as:

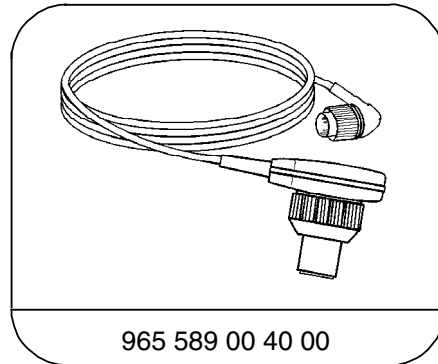
- > Ω Resistance too great
- < Ω Resistance too low
- ΓΓ- Short circuit to ground (GND)
- ΓΓ+ Short circuit to positive (POS)
- // Open circuit

Additionally, further diagnostic info. such as fault frequency is displayed with some of the diagnostic trouble codes.

Special Tools




Hand-Held-Tester



Test cable

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DTC 	Possible cause	Test step/Remedy ¹⁾
B1000	IR DAS control module (N54/1)	Replace N54/1
B1100	Control line deactivation, Γ1+ or Γ1-, (SN1)	23 ⇒ 17.0, 18.0, 21.0, 22.0
B1101	Control line activation, Γ1+ or Γ1-, (SN2)	23 ⇒ 19.0 – 22.0
B1103	Red indicator lamp, Γ1+ or Γ1-	23 ⇒ 5.0
B1104	Green indicator lamp, Γ1+ or Γ1-	23 ⇒ 6.0
B1701	Incorrect authorization code, motor electronics (CAN)	11 ⇒ 7.0
B1702	Incorrect authorization code, engine control module, left cylinder bank, (CAN)	11 ⇒ 7.0
B1703	Attempt was made to start vehicle with invalid transponder identification code	IR transmitter key fault – replace key. Erase DTC's.
B1704	Coil for transponder (coil will not saturate)	23 ⇒ 23.0, 24.0
B1705	Activation of locking confirmation relay module [K54], turn signal system, Γ1+ or Γ1-	23 ⇒ 9.0, 10.0

¹⁾ Observe Preparation for Test, see 22.