

**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. voltage supply to control modules and CAN data lines ok,
4. 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).  
 Entry into DTC memory of CL with DAS 3 is via HHT display as follows:  
 Function-Closing systems-Central locking or DAS-DTC memory.

While performing the DTC readout it is possible that DTCs may appear that are not relevant to the system being checked, meaning that all stored DTCs in that particular control module are being displayed.

**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
- Γ Γ- Short circuit to ground (GND)
- Γ Γ+ Short circuit to positive (POS)
- // - Open circuit

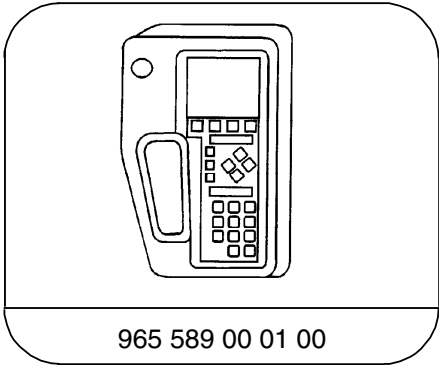
**Abbreviations:**

- DBE** Roof control panel control module (N70)
- EZS** Electronic ignition switch (N73)
- SAM** Signal pick-up and activation module (N10/1)
- TSG1** Door control module 1 (N69/2)
- TSG2** Door control module 2 (N69/1)

The above noted abbreviations are in the second column of the following DTC memory table in **bold type** to advise of hints (regarding in which of the control modules the actual values or activations are stored).

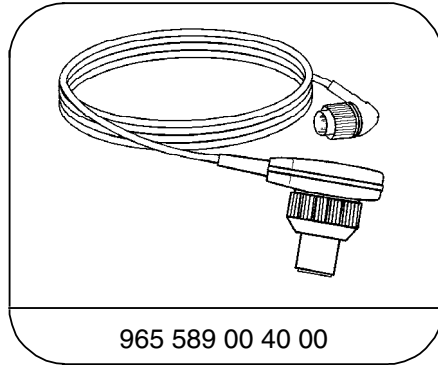
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Special Tools



965 589 00 01 00


Hand-Held-Tester



965 589 00 40 00


Test cable

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DTC 	Possible cause	Hints	Test step/Remedy <sup>1)</sup>
B1000 004	Electronic ignition lock control module (N73)	EZS	Replace N73
B1000 005	Electronic ignition lock control module (N73)	EZS	Replace N73
B1000 008	Electronic ignition lock control module (N73)	EZS	Ignore fault codes, Erase DTC memory.
B1000	Roof control panel control module (N70)	DBE	Replace N70
B1000	Signal pick-up and activation module (SAM) (N10/1)	SAM	Replace N10/1
B1010	Low voltage	EZS	D.M., B&A, Vol. 2
B1011	Excessive voltage	EZS	D.M., B&A, Vol. 2
B1021	CAN: communication fault with PSE	EZS	D.M., B&A, Vol. 2
B1024	CAN-L: Data line --/-, Γ1, Γ1-, Γ1+	EZS	D.M., B&A, Vol. 2
B1025	CAN-H: Data line --/-, Γ1, Γ1-, Γ1+	EZS	D.M., B&A, Vol. 2
B1054	CAN-L: communication fault with front driver-side/passenger-side door control module (N69/1, N69/2)		D.M., B&A, Vol. 2
B1055	CAN-H: communication fault with front driver-side/passenger-side door control module (N69/1, N69/2)		D.M., B&A, Vol. 2

1) Observe Preparation for Test, see 22.

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DTC 	Possible cause	Hints	Test step/Remedy <sup>1)</sup>
B1507	CAN: communication fault with Roof control panel control module (N70)	EZS	D.M., B&A, Vol. 2
B1509	CAN: communication fault with Signal pick-up and activation module (SAM) (N10/1)	EZS	D.M., B&A, Vol. 2
B1148	Circuit 50 output --/, ΓΓ, ΓΓ-, ΓΓ+	EZS	Replace N73
B1156  000 001 002 003 004 005	ESC control module (N26/5) --/, ΓΓ-, ΓΓ+	EZS	23 ⇒ 14.0, 23 ⇒ 15.0 (N26/5).
B1157  000 001 002 003 004 005	ESC control module (N26/5) --/, ΓΓ-, ΓΓ+	EZS	23 ⇒ 14.0, 23 ⇒ 15.0 (N26/5).

1) Observe Preparation for Test, see 22.