

Diagnosis – Diagnostic Trouble Code (DTC) Memory (MSC)

Preliminary work:

Function test 11

Preparation for Test:

1. Check fuses F1–22, and F4–3 OK.
2. Connect Hand-Held Tester (HHT) to 38-pole data link connector (X11/4) according to connection diagram shown in section 0.

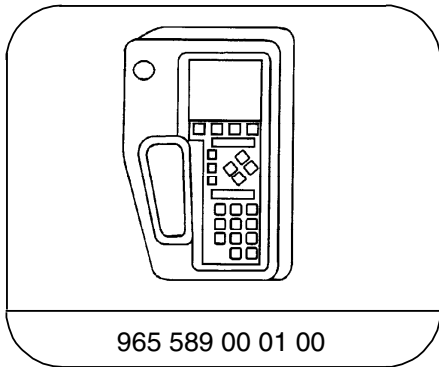


The diagnostic trouble codes (DTC's) can only be read out and erased using the **Hand-Held Tester (HHT)**.

CAUTION!

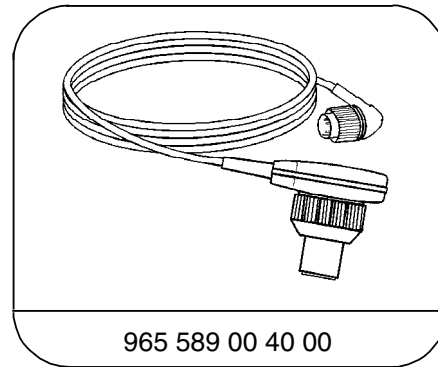
Erasing the Mirror, steering column adjustment, heated mirrors (MSC) DTC memory, will also erase the DTC memory for the Combination Control Module (N10-1) and Convenience Feature (CF).

Special Tools



965 589 00 01 00


Hand-Held-Tester



965 589 00 40 00


Test cable

Diagnosis – Diagnostic Trouble Code (DTC) Memory

| DTC  | Possible cause | Test step/Remedy ¹⁾ |
|--|---|---|
| B1000 | Combination control module (N10-1) | Replace N10-1 |
| B1001 | Left/right front ESA control module (N32/1, N32/2) (with memory) | N32/1 or N32/2 |
| B1010 | Low voltage < 10 V | – |
| B1011 | Excess Voltage > 15.5 V | – |
| B1013 | Circuit 15R | 23 ⇒ 2.0 |
| B1015 | Circuit 30C, fuse F4–7 | 23 ⇒ 2.0 |
| B1017 | Circuit 31B | 23 ⇒ 2.0 |
| B1022 | Driver's seat does not communicate via CAN data line | D.M., Body and Accessories, Vol. 4, 15.3, 23 ⇒ 21.0, 22.0, 23.0, 24.0, 25.0 |
| B1024 | CAN low-interior bus | D.M., Body and Accessories, Vol. 4, 15.3, 23 ⇒ 22.0, 24.0, 25.0 |
| B1025 | CAN high-interior bus | D.M., Body and Accessories, Vol. 4, 15.3, 23 ⇒ 21.0, 23.0, 25.0 |
| B1114 | Electrically adjustable steering column switch wire Γ1– | 23 ⇒ 7.0, 8.0, 9.0 |
| B1119 | Outside rearview mirror vertical/horizontal/left/right adjustment (S21s6/s7/s8) >25 sec. Γ1–, Γ1+, circuit 30 –/–, circuit 31 –/– | 23 ⇒ 1.0, 3.0, 4.0 |
| B1213 | Electrically adjustable and heated driver-side outside rearview mirror (with memory) (M21/4) >25 sec., wiring –/– | 23 ⇒ 12.0, 13.0, 14.0 |

¹⁾ Observe Preparation for Test, see 22.

Diagnosis – Diagnostic Trouble Code (DTC) Memory

| DTC  | Possible cause | Test step/Remedy ¹⁾ |
|--|---|------------------------------------|
| B1214 | Electrically adjustable and heated driver-side outside rearview mirror (with memory) (M21/4) >2 sec., wiring –/– | 23 ⇒ 7.0, 8.0, 9.0 |
| B1408 | Verticle adjustment motor (M21/5m1) (up/down) ΓΓ, wiring ΓΓ Horizontal adjustment motor (M21/5m2) (in/out) ΓΓ, wiring ΓΓ | 23 ⇒ 5.0, 7.0 23 ⇒ 6.0, 8.0 |
| B1409 | Verticle adjustment motor (M21/4m1) (up/down) ΓΓ, wiring ΓΓ Horizontal adjustment motor (M21/4m2) (in/out) ΓΓ, wiring ΓΓ | 23 ⇒ 11.0, 12.0 23 ⇒ 10.0, 13.0 |
| B1410 B1411 | Combination control module (N10-1) does not switch | N10-1 |

¹⁾ Observe Preparation for Test, see 22.