

Diagnosis – Recalling Actual Values using HHT

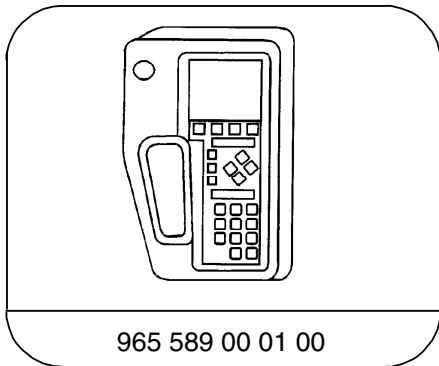
Preparation for Test:

1. Fuses F1–22, F4–3, F4–7 ok,
2. Connect the Hand-Held Tester (HHT) to X11/4, according to diagram, see section 0.



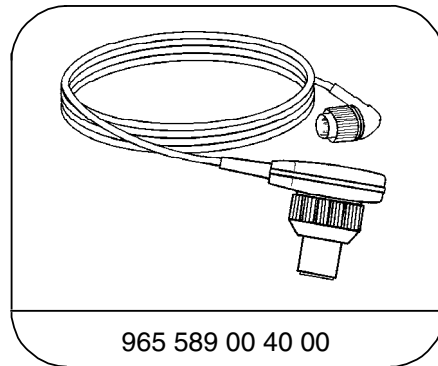
Erasing the Mirror, steering column adjustment, heated mirrors (MSC) DTC memory, will also erase the DTC memory for the Combination Control Module (N10-1) and Convenience Feature (CF).

Special Tools



965 589 00 01 00


Hand-Held-Tester



965 589 00 40 00


Test cable

Diagnosis – Actual Values

Actual Value 	Possible cause	Test step/Remedy ¹⁾
01	Circuit 15R, circuit 15, Left/right front door switch (S17/3, S17/4)	23 ⇒ 2.0 D.M., Body and Accessories Volume 2, 5.2, 23 ⇒ 5.0, 6.0
02	Memory store button switch (S91s9), pressed	D.M., Body and Accessories Volume 4, 15.3, 23 ⇒ 18.0
03	Memory button 1 switch (S91s6), recall memory	D.M., Body and Accessories Volume 4, 15.3, 23 ⇒ 18.0
04	Memory button 2 switch (S91s7), recall memory	D.M., Body and Accessories Volume 4, 15.3, 23 ⇒ 18.0
05	Memory button 3 switch (S91s8), recall memory	D.M., Body and Accessories Volume 4, 15.3, 23 ⇒ 18.0
06	Outside rearview mirror-vertical adjustment (S21s6)	23 ⇒ 3.0, 4.0
07	Outside rearview mirror-horizontal adjustment (S21s7)	23 ⇒ 3.1, 4.1
08	Activation of vertical adjustment motor (M21/4m1, M21/5m1) by combination control module (N10-1)	23 ⇒ 5.0, 11.0
09	Activation of horizontal adjustment motor (M21/4m2, M21/5m2) by combination control module (N10-1)	23 ⇒ 6.0, 10.0
10	Potentiometer voltage supply for (M21/4m1, m2, M21/5m1, m2)	23 ⇒ 9.0, 14.0
11	Memory button 1 switch (S91s6), recall memory	D.M., Body and Accessories Volume 4, 15.3, 23 ⇒ 18.0

¹⁾ Observe Preparation for Test, see 22.

Diagnosis – Actual Values

Actual Value 	Possible cause	Test step/Remedy ¹⁾
12	Store memory using memory button 2 switch (S91s7), with memory store button switch (S91s9)	D.M., Body and Accessories Volume 4, 15.3, 23 ⇒ 18.0
13	Recall memory, using memory button 2 switch (S91s7)	D.M., Body and Accessories Volume 4, 15.3, 23 ⇒ 18.0
14	Store memory, using memory button 3 switch (S91s8) with memory store button switch (S91s9)	D.M., Body and Accessories Volume 4, 15.3, 23 ⇒ 18.0
15	Recall memory, using memory button 3 switch (S91s8)	D.M., Body and Accessories Volume 4, 15.3, 23 ⇒ 18.0
16	Memory store button switch (S91s9), pressed	D.M., Body and Accessories Volume 4, 15.3, 23 ⇒ 18.0
17	Steering column up/down switch (S91s11)	23 ⇒ 17.1
18	Steering column in/out switch (S91s12)	23 ⇒ 17.0
19	Activation of tilt adjustment motor (M20/m2) (up/down) by combination control module (N10-1)	23 ⇒ 19.0
20	Activation of telescopic adjustment motor (M20/m1) (in/out) by combination control module (N10-1)	23 ⇒ 18.0
21	Tilt adjustment motor (M20m2), defective potentiometer or wiring --/--	23 ⇒ 19.1
22	Telescopic adjustment motor (M20m1), defective potentiometer or wiring --/--	23 ⇒ 18.1
23	Voltage supply for potentiometer (M20m1, M20m2)	23 ⇒ 18.1, 19.1

¹⁾ Observe Preparation for Test, see 22.