

Diagnosis – Recalling Actual Values with HHT

The following tests and activations are possible **via the Hand-Held Tester**.

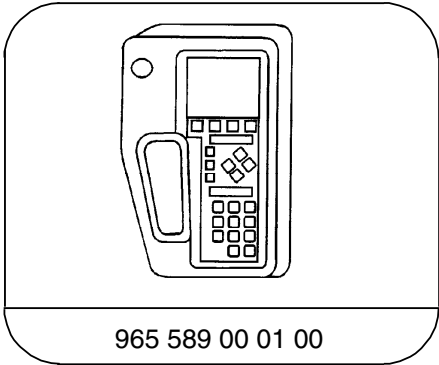
Preparation for Test:

1. Fuses ok,
2. Battery voltage > 11 ,
3. Side windows open,
4. Ignition: **ON**
5. Connect the Hand-Held Tester (HHT) to X11/4, according to diagram, see section 0.
6. After the "Function" Menu in the HHT, the menu point 3 (actual values) appears.
7. The following tests are possible via the HHT (see 13/3).

4.10 Infrared Remote Central Locking (RCL)

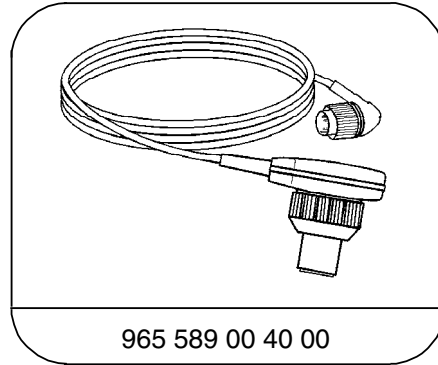
Models 129, 140, 170 as of M.Y. 1998

Special Tools



965 589 00 01 00

Hand-Held-Tester









965 589 00 40 00

Test cable

4.10 Infrared Remote Central Locking (RCL)

Models 129, 140, 170 as of M.Y. 1998







Electrical Test Program – Test Actual Values

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0		Circuit 30			√ F	23 ⇒ 1.0
2.0		Status of radio/infrared remote central locking/unlocking		Using transmitter key: Lock vehicle: Unlock vehicle:	√ F √ F	23 ⇒ 3.0, 23 ⇒ 4.0, 23 ⇒ 5.0
3.0		Recently used transmitter key (number of key listed)		Example (of key):	Key numbered: 02	Transmitter key.
4.0		Recently used transponder (number of transponder listed)		Example (of transponder):	Transponder numbered: 02	Transmitter key.
5.0		Country version			USA, Japan, balance of world countries	See 31/1

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Models 129, 140, 170 as of M.Y. 1998





Electrical Test Program – Test Actual Values

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
6.0		Lock switch circuit 1 (USA only)		Insert key into driver's door or trunk lid lock and turn: To left detent: Yes Release key: NO		23 ⇒ 14.0, 23 ⇒ 15.0
7.0		Lock switch circuit 2 (USA only)		Insert key into driver's door or trunk lid lock and turn: To right detent: Yes Release key: NO		23 ⇒ 14.0, 23 ⇒ 15.0
8.0		Transponder amplitude			20-30V	23 ⇒ 22.0, 23 ⇒ 23.0, Transmitter key.
9.0		Transponder inserted in ignition switch		Insert transponder into ignition switch	✓ F	Transmitter key invalid, Transponder invalid.
10.0		Versions within the version coding are locked			YES NO	Test counter for Circuit 15 ON has run out, Radio frequency DAS control module (N54/3), DAS radio frequency/infrared control module (N54/4).

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Electrical Test Program – Test Actual Values

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
11.0		Radio frequency transmitter key synchronized. (Actual value readout for all 8 transmitter keys is indeed possible)			YES NO	Transmitter key is deactivated, Re-synchronize transmitter keys. Radio frequency DAS control module (N54/3), DAS radio frequency/infrared control module (N54/4).
12.0		Transponder initialized (Actual value readout for all 8 transmitter keys is indeed possible)			YES NO	Transmitter key is deactivated, Radio frequency DAS control module (N54/3), DAS radio frequency/infrared control module (N54/4).
13.0		Transmitter key and transponder are activated (Actual value readout for all 8 transmitter keys is indeed possible)			Activated, Irrevocable deactivation Revocable deactivation	Perform activation or deactivation of the transmitter key, Radio frequency DAS control module (N54/3), DAS radio frequency/infrared control module (N54/4).