

### Diagnosis – Recalling Actual Values with HHT for DAS 3

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



The actual values and activations of the infrared remote central locking system with **DAS 3**, are located in various control modules.

With the HHT it is possible to gain access to the actual and activation is as follows:

Functions - Locking systems - Central locking or Drive authorization - Actual values or activations.

#### Preparation for Test:

1. Fuses ok,
2. Battery voltage 11 – 14 V,
3. Voltage to control modules and CAN data lines ok,
4. Connect the Hand-Held Tester (HHT) to X11/4, according to diagram, see section 0.

#### Abbreviations:

**DBE** Roof control panel control module (N70)

**EZS** Electronic ignition switch (N73)

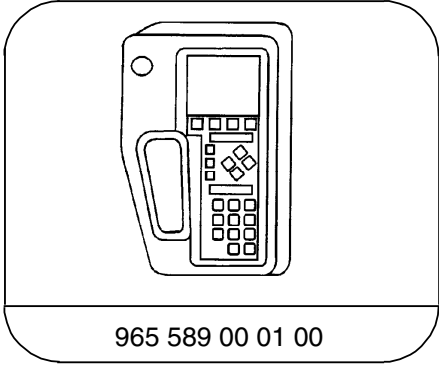
**SAM** Signal pick-up and activation module (N10/1)

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

The following actual values can be read out using the HHT:

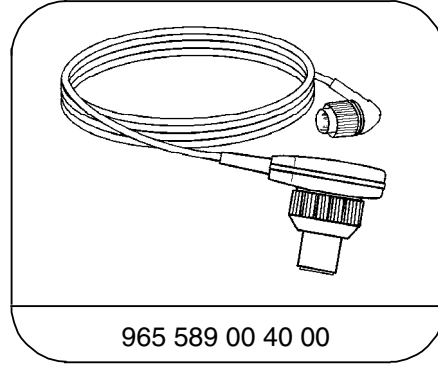
- Status of electronic ignition key:  
    Initialized/Anti-towing safety released/personnalizer /activation
- Status of electrical steering lock:  
    Initialized/Anti-towing safety released/personnalizer /activation
- Status of transmitter key:           Authorized/not authorized  
  Used/ not used
- Electronic ignition key test cycle counter
- Electrical steering locking test cycle counter

Special Tools



965 589 00 01 00

Hand-Held-Tester









965 589 00 40 00

Test cable

## 4.9 Infrared Remote Central Locking (RCL)

Models 202, 208, 210 as of M.Y. 1998






### Electrical Test Program – Test Actual Values of DAS 3

| ⇒   |  | Test scope  | Test connection   | Test condition  | Nominal value      | Possible cause/Remedy   |
|-----|---|---|---|---|--------------------|---|
| 1.0 | EZ5   | Circuit 15<br>Voltage supply                                |    | Transmitter key position:<br>Ignition: <b>ON</b><br>Ignition: <b>OFF</b>  | YES<br>NO          | 23 ⇒ 14.0,<br>23 ⇒ 15.0   |
| 2.0 | EZ5   | Electrical steering lock 1                                  |    | Transmitter key:<br>Inserted into electronic<br>ignition switch:<br>Removed from electronic<br>ignition switch: | Unlocked<br>Locked | 23 ⇒ 14.0,<br>23 ⇒ 15.0   |
| 3.0 | EZ5   | Electrical steering lock 2                                  |    | Transmitter key:<br>Inserted into electronic<br>ignition switch:<br>Removed from electronic<br>ignition switch: | Unlocked<br>Locked | 23 ⇒ 14.0,<br>23 ⇒ 15.0   |
| 4.0 | EZ5   | Transmitter key inserted into<br>electronic ignition switch |   | Transmitter key:<br>Inserted<br>Removed   | YES<br>NO          | Electronic ignition lock control<br>module (N73).                     |
| 5.0 | EZ5   | Start signal received from<br>transmitter key               |  | Transmitter key:<br>Inserted<br>Removed   | YES<br>NO          | Transmitter key,<br>Electronic ignition lock control<br>module (N73). |

## 4.9 Infrared Remote Central Locking (RCL)

Models 202, 208, 210 as of M.Y. 1998

### Electrical Test Program – Test Actual Values of DAS 3

| ⇒   |  | Test scope   | Test connection   | Test condition   | Nominal value                            | Possible cause/Remedy  |
|-----|---|--|---|--|--|--|
| 6.0 | EZS   | Authentication test run<br>(transmitter key to electronic ignition switch)           |    | Transmitter key:<br>Inserted<br>Removed  | YES<br>NO                                | Transmitter key,<br>Electronic ignition lock control module (N73). |
| 7.0 | EZS   | Energy supply for transmitter key turned off<br>(coil in electronic ignition switch) |    | Transmitter key:<br>Inserted   | NO<br>(during step 6 above)<br>then: YES | Electronic ignition lock control module (N73).                     |
| 8.0 | EZS   | HUF contact: H0  |    | Transmitter key:<br>Inserted into electronic ignition switch, then turned slightly to right:<br>Turn ignition : ON             | YES<br>NO                                | Electronic ignition lock control module (N73).                     |
| 9.0 | EZS   | Circuit 15   |  | Transmitter key<br>Inserted into electronic ignition switch, then turned completely to right stop:<br>Release transmitter key: | ON<br>OFF                                | Electronic ignition lock control module (N73).                     |