Diagnosis – Function Test

Preparation for Test:

1.   Review 20, 22, 31,
2.   Fuses OK,
3.   Battery voltage 11 – 14 V,
4.   Voltage supply to All-Activity-Module is OK, if not see DM, B&A,
       Vol. 2, 23,
5.   Version coding has been done: "ATA installed", see 31,
6.   RCL for CL is OK,
7.   CL is OK,
8.   Side windows are open,
9.   All doors are closed.

Electrical wiring diagrams:

Electrical Troubleshooting Manual, Model 163, group 82, (available in Work Shop Information System [WIS] only).

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy [1]
⇒ 1.0 Arm Anti-theft alarm (ATA)	• Lock vehicle completely using RCL.	Confirmation signal via blinker system. ATA status indicator LED illuminates for 10 seconds and then blinks.	A door is not closed completely and/or locked completely. ATA is not armed, see 14, ATA status indicator (E33), see 23 ⇒ 2.0
⇒ 2.0 Disarm ATA	• Unlock vehicle using RCL.	Confirmation signal via blinker system. ATA status indicator LED illuminates for 10 seconds.	23 ⇒ 2.0
⇒ 3.0 Trigger ATA via opening a door	• Close all vehicle doors. • Arm ATA via RCL. • Open one of the doors from inside vehicle.	ATA activates alarm: Alarm Horn (H3) sounds for 30 seconds and blinkers flash for 3.5 minutes.	14

[1]   Observe Preparation for Test, see 22.

Diagnosis – Function Test

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy [1]
⇒ 4.0 Interrupt alarm function.	• Arm or disarm ATA while alarm is sounding.	Alarm is interrupted.	All-Activity Module (N10)
⇒ 5.0 ATA self-arming function	• Remove ignition key form ignition. • Close all vehicle doors. • Wait 60 seconds.	Vehicle locks its self. ATA is armed as a result.	Check version coding, see 31 All-Activity Module (N10)
⇒ 6.0 Trigger ATA via anti-tow protection	• With ATA armed, tilt vehicle at lift point using vehicle jack until one wheel clears ground.	ATA triggers alarm, alarm horn (H3) sounds for 30 seconds and blinkers flash for 3.5 minutes.	23 ⇒ 8.0
⇒ 7.0 Deactivate anti-tow protection and interior motion sensor (IMS)	• Turn off ignition and within 30 seconds press one of the buttons on the trip computer control module (N41)	For vehicle **with** Code 245 (Trip computer): Display in trip computer changes from "ON" to "OFF". For vehicles **without** Code 245: Repeat test step 6.0, ATA alarm is **not** to trigger.	23 ⇒ 8.0

[1]   Observe Preparation for Test, see 22.