

20.1 Model 163

	Page
Diagnosis	
Function Test	11/1
Diagnostic Trouble Code (DTC) Memory	12/1
Complaint Related Diagnostic Chart	13/1
Electrical Test Program	
Component Locations	21/1
Preparation for Test	22/1
Test	23/1
Control Module Programming	
Version Coding	31/1

Diagnosis – Function Test

Preparation for Test:

1. Remote central locking system is functional.
2. Side windows open.
3. Battery voltage 11 – 14 V
4. Fuses ok.

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 1.0 Locking vehicle	Vehicle is completely unlocked. All doors are closed. Press lock vehicle button on transmitter key only once.	All doors and fuel filler flap lock. Return signal via blinker system.	13
⇒ 2.0 Unlock left front door and fuel filler flap	Vehicle is completely locked. All doors are closed. Press unlock vehicle button on transmitter key only once.	Left front door and fuel filler flap unlock.	23 ⇒ 6.0
⇒ 3.0 Unlock the remaining doors	Left front door and fuel filler flap are unlocked. All doors are closed. Press unlock button on transmitter key only once.	Right front door and both rear doors along with tailgate are unlocked.	23 ⇒ 6.0
⇒ 4.0 Lock vehicle using Switch (CL) (S21s10)	Vehicle was completely unlocked using the transmitter key. All doors are closed. Press Switch (CL) (S21s10) only once.	All doors and fuel filler flap are locked.	23 ⇒ 1.0
⇒ 5.0 Subsequent locking of vehicle	Vehicle is completely locked. All doors are closed. Press unlock vehicle button on transmitter key only once. Allow 1 minute to pass after unlocking vehicle.	Left front door and fuel filler flap are subsequently locked.	Version coding: Is AAM version coded to "subsequent locking after 1 minute?", See version coding: 32, AAM (N10)

¹⁾ Observe Preparation for Test, see 22.

Diagnosis – Function Test

Test step/Test scope	Test condition	Nominal value	Possible cause/Remedy ¹⁾
⇒ 6.0 Automatic Locking	Vehicle has been completely unlocked using the transmitter key. All doors are closed. Slowly drive vehicle from stop.	After reaching a vehicle speed of approx. 6 mph, all the doors are locked automatically.	Version coding: Is AAM version coded to "automatic locking" after vehicle speed of 6 mph?, See version coding: 32, AAM (N10)

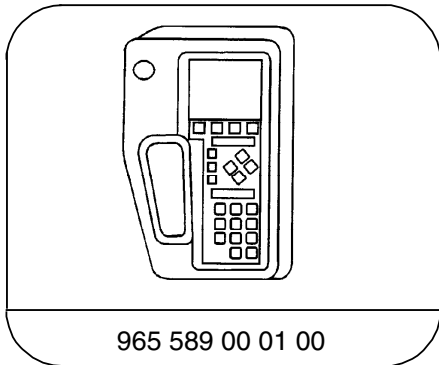
¹⁾ Observe Preparation for Test, see 22.

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

Preparation for Test

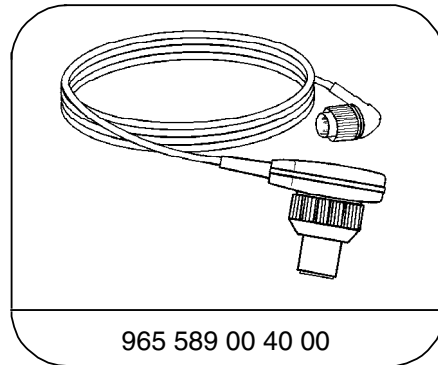
1. Review All-Activity-Module (N10) diagnostics, see AD54.21-P-2000GH
2. All fuses OK.
3. Voltage supply to All-Activity- Module (N10) is OK,
4. Connect the Hand-Held Tester (HHT) to X11/4, according to diagram, see section 0.
4. HHT serial interface is OK, if not see: AD54.21-P-6000-02GH

Special Tools



965 589 00 01 00

Hand-Held-Tester



965 589 00 40 00

Test cable





965 589 00 90 00

Adapter cable


Test equipment; See MBUSA Standard Service Equipment Program

Description	Brand, model, etc.
Digital multimeter	Fluke models 23, 77 III, 83, 85, 87

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

DTC 	Fault text	Possible cause	Test step/Remedy
(No communication with HHT possible)		Diagnostic line	Check HHT serial interface, see AD54.21-P-6000-02GH
No fault		No fault recognized In case of complaint: Perform entire diagnostic test in specific system.	23, See 4.11, 13, inWIS See 13.8, 13, inWIS
B1040	No CAN message: -from engine control module (N3) -from traction system control module (N47) -from instrument cluster (A1) -from transfer case control module (N78) -from trip computer control module (TRIP) (N41)	CAN data bus, corresponding control module	See: AD54.21-P-6000-03GH AD54.21-P-6000-04GH AD54.21-P-6000-05GH AD54.21-P-6000-06GH AD54.21-P-6000-07GH AD54.21-P-6000-08GH
B1703	Transponder: -cannot be read -fixed code invalid -fixed code in order but variable code invalid -fixed code valid but not enabled -fault when describing	 Observe hints on replacing AAM Defective transmitter key Transponder coil (L11) Invalid transmitter key Transmitter key disabled Transponder coil (L11)	See: AD54.21-P-6000-03GH Transmitter key. See: see 4.11, 11, in WIS, L11

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

DTC 	Fault text	Possible cause	Test step/Remedy
B1716	ATA interior motion sensor/tilt sensor defective No pulse signal when configured	Signal cable N41/N10 Trip computer control module (TRIP) (N41)	See 13.8, 23, in WIS
B1783	Central locking signalling contact, driver's door implausible	Microswitch (CL) (M14/6s1)	23 ⇒ 4.0
B1784	Central locking signalling contact, front passenger's door implausible	Microswitch (CL) (M14/5s1)	23 ⇒ 4.0
B1786	Central locking signalling contact, tailgate implausible	Microswitch (CL) (M14/7s1)	23 ⇒ 8.0
B1787	Central locking signalling contact, left rear door implausible	Microswitch (CL) (M14/8s1)	23 ⇒ 4.0
B1788	Central locking signalling contact, right rear door implausible	Microswitch (CL) (M14/9s1)	23 ⇒ 4.0
B1858	Transmitter radio signal: -fixed code invalid -fixed code in order but variable code invalid -fixed code valid but not enabled -synchronization not possible	Transmitter key Transmitter key not synchronized Transmitter key disabled Wiring, Antenna, N10	Transmitter key See 4.11, 11, in WIS See 4.11, 11, in WIS See 4.11, 23, in WIS

Diagnosis – Complaint Related Diagnostic Chart

Preparation for Test:

1. Review 21
2. Fuses ok.
3. Voltage supply to AAM is OK (if not OK: see DM, B&A, Vol. 1, 2.2, 23).
4. RCL system is fully functional.
5. All doors closed.

Complaint/Problem	Possible cause	Test step/Remedy ¹⁾
Entire Remote central locking system does not function.	All Activity Module (AAM) (N10) (DTC memory)	See: 12
Central locking does not function via Remote Central Locking System (RCL) (Transmitter key)	Remote Central Locking System All-Activity Module (N10) (DTC memory)	See: 13, 12, N10
Central locking does not function via CL switch (S21s10)	Switch (CL) (S21s10) All-Activity Module (N10) (DTC memory)	23 ⇒ 1.0
Central locking does not lock vehicle	Central locking, all doors lock relay (F1k20) All-Activity Module (N10) (DTC memory)	23 ⇒ 6.0
Left front door and fuel filler flap do not unlock	Central locking, RF door and rear doors unlock relay (F1k23) All-Activity Module (N10) (DTC memory)	23 ⇒ 6.0
Right front door, left rear door and right rear door do not unlock	Central locking, LF door and fuel filler flap unlock relay (F1k24) All-Activity Module (N10) (DTC memory)	23 ⇒ 6.0

¹⁾ Observe Preparation for Test, see 22.

Diagnosis – Complaint Related Diagnostic Chart

Complaint/Problem	Possible cause	Test step/Remedy ¹⁾
<p>Individual side doors do not lock or unlock</p>	<p>Front door: Right front door rotary tumbler microswitch (S87/6) Left front door rotary tumbler microswitch (S87/7) Microswitch (CL) (M14/5s1) (M14/6s1) LF door CL actuating motor M14/6)</p> <p>Rear door: Left rear door rotary tumbler microswitch (S87/2) Right rear door rotary tumbler microswitch (S87/3) Microswitch (CL) (M14/8s1) CL microswitch (M14/9s1) LR door CL actuating motor (M14/8) RR door CL actuating motor (M14/9) All Activity Module (AAM) (N10)</p>	<p>23 ⇒ 2.0 23 ⇒ 4.0 23 ⇒ 5.0 23 ⇒ 4.0 23 ⇒ 5.0 23 ⇒ 3.0</p> <p>N10</p>
<p>Tailgate does not lock or unlock</p>	<p>Rotary tumbler/trunk lid microswitch (S88/1)</p> <p>Microswitch (CL) (M14/7s1) Central locking, tailgate unlock relay (F1k15) Tailgate CL actuating motor (M14/7) All Activity Module (AAM) (N10)</p>	<p>23 ⇒ 7.0 23 ⇒ 8.0 23 ⇒ 6.0 23 ⇒ 9.0</p> <p>N10</p>
<p>Fuel filler flap does not lock or unlock</p>	<p>Filler flap CL actuating motor (M14/10)</p> <p>All Activity Module (AAM) (N10)</p>	<p>23 ⇒ 10.0</p> <p>N10</p>

1) Observe Preparation for Test, see 22.

Diagnosis – Complaint Related Diagnostic Chart

Complaint/Problem	Possible cause	Test step/Remedy ¹⁾
<p>No return signal via blinker system when using transmitter key to lock vehicle</p>	<p>Control module adaption: "CL return signal" not activated</p> <p>Front doors: Left front door rotary tumbler microswitch (S87/7) Right front door rotary tumbler microswitch (S87/6)</p> <p>Rear doors: Left rear door rotary tumbler microswitch (S87/2) Right rear door rotary tumbler microswitch (S87/3)</p> <p>Tailgate: Rotary tumbler/trunk lid microswitch (S88/1)</p> <p>Side doors: Microswitch (CL) (M14/5s1) Microswitch (CL) (M14/6s1) Microswitch (CL) (M14/8s1) CL microswitch (M14/9s1)</p> <p>Tailgate: Microswitch (CL) (M14/7s1)</p>	<p>11/2, 23 ⇒ 2.0 23 ⇒ 3.0 23 ⇒ 7.0 23 ⇒ 4.0 23 ⇒ 8.0</p>
<p>"Automatic locking" feature does not function</p>	<p>Control module adaption: "Automatic Locking when driving" not activated</p> <p>All Activity Module (AAM) (N10)</p>	<p>11/2</p> <p>N10</p>

¹⁾ Observe Preparation for Test, see 22.

Electrical Test Program – Component Locations

Model 163

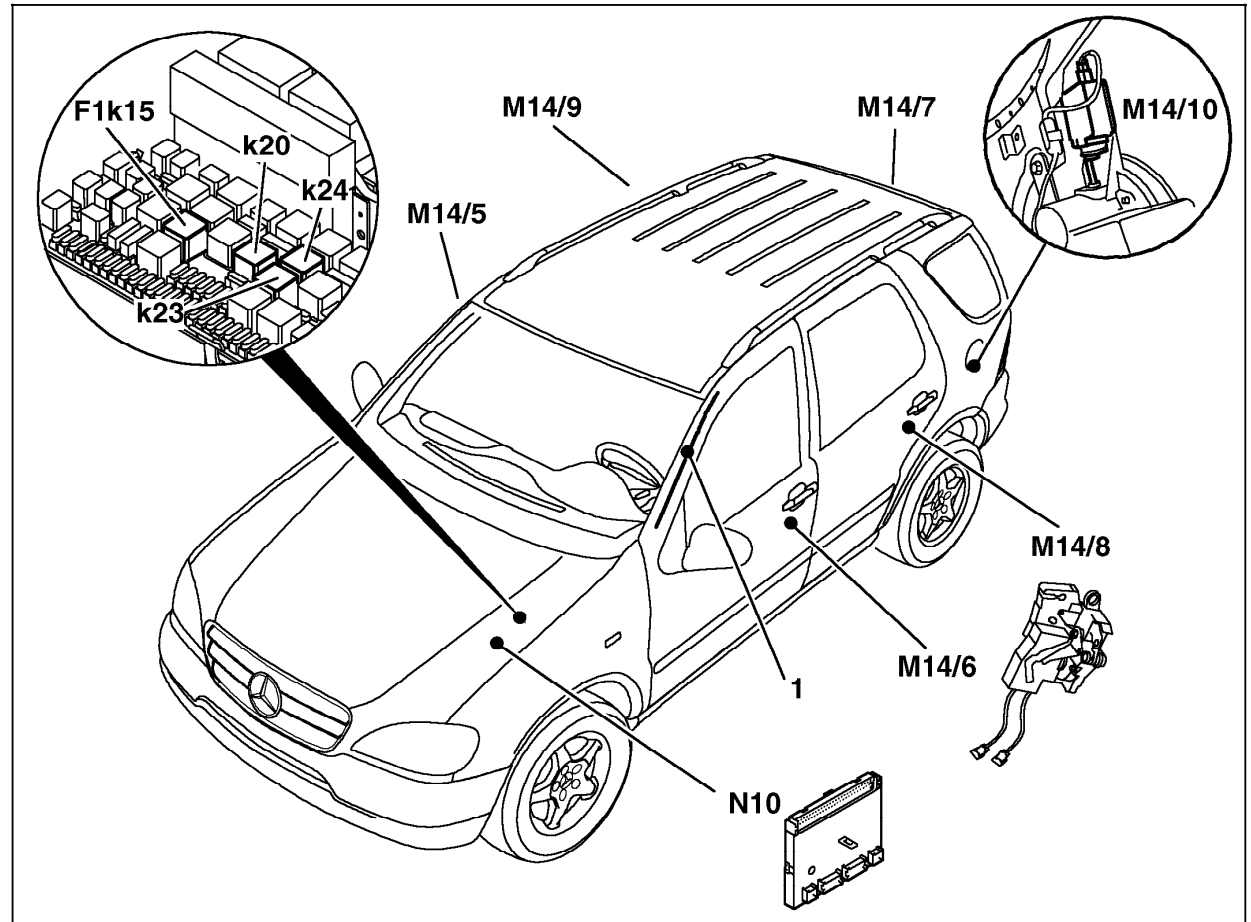


Figure 1

- 1 Antenna
- F1 Fuse and relay box
- F1k15 Central locking, tailgate unlock relay
- F1k20 Central locking, all doors lock relay
- F1k23 Central locking, RF door and rear doors unlock relay
- F1k24 Central locking, LF door and fuel filler flap unlock relay
- M14/5 RF door CL actuating motor
- M14/6 LF door CL actuating motor
- M14/7 Tailgate CL actuating motor
- M14/8 LR door CL actuating motor
- M14/9 RR door CL actuating motor
- M14/10 Filler flap CL actuating motor
- N10 All Activity Module (AAM)

P80.20-0522-06

Electrical Test Program – Preparation for Test

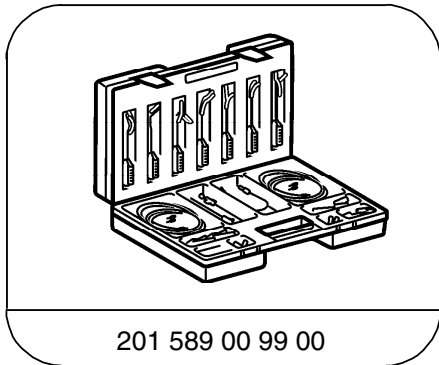
Preparation for Test:

1. Review section 0,
2. Review 21,
3. Voltage supply to All-Activity-Module (N1) OK,
4. Battery voltage 11 – 14 V,
5. Fuses all OK,
6. Remote Central Locking system (RCL) functions properly.

Electrical wiring diagrams:

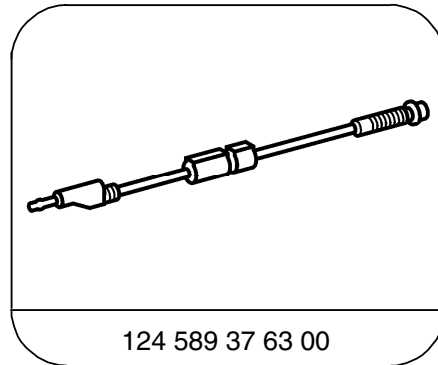
Electrical Troubleshooting Manual, Model 163,
(available in Work Shop Information System [WIS] only)

Special Tools



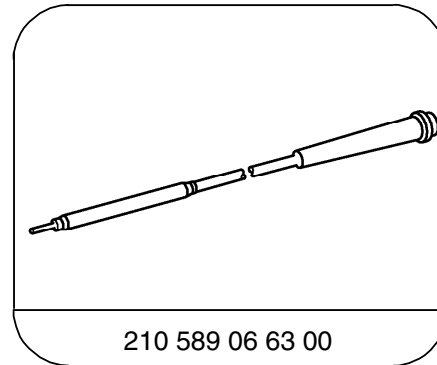
201 589 00 99 00

Electrical connecting set



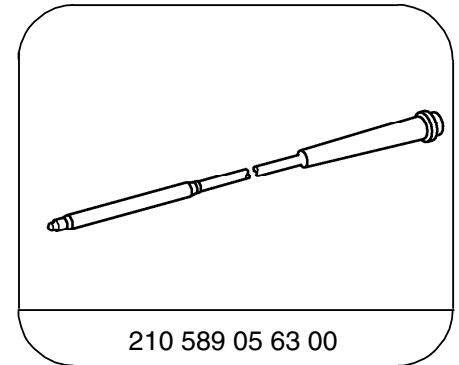
124 589 37 63 00

Fused cable



210 589 06 63 00

Adapter cable







210 589 05 63 00

Adapter cable





Test equipment; See MBUSA Standard Service Equipment Program

Description	Brand, model, etc.
Digital multimeter	Fluke models 23, 77 III, 83, 85, 87






Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0		Central Locking: Interior switch (S21s10) not activated HHT Actual Values		Switch (CL) (s21s10) not pressed.	OFF	If values are ok: ⇒ 1.1 If values are not ok: Heated rear window switch (S21s9), Switch (CL) (S21s10), Wiring: Γ Γ– short circuit to ground (GND).
1.1		Central Locking: Interior switch (S21s10) activated HHT Actual Values		Switch (CL) (s21s10) pressed.	ON	If values are not ok: ⇒ 1.2
1.2		Heated rear window switch (S21s9) activated HHT Actual Values		Heated rear window switch (S21s9) pressed.	ON	If values are OK: Switch (CL) (S21s10), Wiring, If values are not OK: Wiring: Γ Γ– short circuit to ground (GND), ⊥, N10


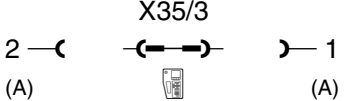
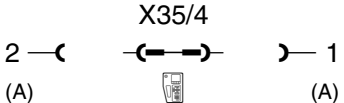

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
2.0		Left front door rotary tumbler microswitch (Right front door rotary tumbler microswitch) Closed HHT Actual Values		Door closed.	CLOSED	If values are ok: ⇒ 2.1 If values are not ok: ⇒ 2.2
2.1		Left front door rotary tumbler microswitch (Right front door rotary tumbler microswitch) Open HHT Actual Values		Open door.	OPEN	If values are ok: No fault. If values are not ok: ⇒ 2.3
2.2		Left front door rotary tumbler microswitch (Right front door rotary tumbler microswitch) Left front door separation point connector disconnected HHT Actual Values		Open door. Disconnect left/right front door separation connector (X35/1, X35/2).	CLOSED	If values are ok: Left front door rotary tumbler microswitch (S87/7), Right front door rotary tumbler microswitch (S87/6), Wiring: Γ Γ– short circuit to ground (GND). If values are not ok: Wiring: Γ Γ– short circuit to ground (GND), All-Activity-Module (AAM) (N10).





Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
2.3		Left front door rotary tumbler microswitch (Right front door rotary tumbler microswitch) Bridged switch HHT Actual Values	<p style="text-align: center;">X35/1 (X35/2)</p> <p style="text-align: center;">2 —◀ —◀ —▶ —▶ 1 (A) (A)</p> <p style="text-align: center;"></p>	See connector layout (X35/1, X35/2) at end of 23	OPEN	If values are ok: S87/7, S87/6 Wiring: Γ1– short circuit to ground (GND). If values are not ok: Wiring: Γ1– short circuit to ground (GND), All-Activity-Module (AAM) (N10).
3.0		Rear doors: Rotary tumbler micro switches Closed HHT Actual Values		Both rear doors closed.	CLOSED	If values are ok: ⇒ 3.1 If values are not ok: ⇒ 3.5
3.1		Rear doors: Left rear door rotary tumbler microswitch Open HHT Actual Values		Open left rear door.	OPEN	If values are ok: ⇒ 3.2 If values are not ok: ⇒ 3.3
3.2		Rear doors: Right rear door rotary tumbler microswitch Open HHT Actual Values		Close left rear door. Open right rear door.	OPEN	If values are ok: No fault. If values are not ok: ⇒ 3.4

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
3.3		Left rear door rotary tumbler microswitch Bridged switch HHT Actual Values	X35/3 	Disconnect X35/3 connector.	OPEN	If values are ok: S87/2, Wiring: -//- open circuit. If values are not ok: Wiring: -//- open circuit.
3.4		Right rear door rotary tumbler microswitch Bridged switch HHT Actual Values	X35/4 	Disconnect X35/4 connector.	OPEN	If values are ok: S87/3 Wiring: -//- open circuit. If values are not ok: Wiring: -//- open circuit.
3.5		Left rear door rotary microswitch Disconnected HHT Actual Values		Close both rear doors. Disconnect X35/3	CLOSED	If values are ok: S87/2, Wiring: Γ- short circuit to ground (GND). If values are not ok: ⇒1.6





Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
3.6		Right rear door rotary microswitch Disconnected HHT Actual Values		Close both rear doors. Disconnect X35/4 connector.	CLOSED	If values are ok: S87/3, Wiring: Γ1– short circuit to ground (GND). If values are not ok: Wiring: Γ1– short circuit to ground (GND), All-Activity-Module (AAM) (N10).
4.0		CL signal verification at driver door: Door open (left front passenger side door, left rear door, right rear door)		Door is open and unlocked	OPEN	If values are ok: ⇒ 4.1, If values are not ok: ⇒ 4.2
4.1		CL signal verification at driver door: Door closed (left front passenger side door, left rear door, right rear door)	<p style="text-align: center;">X35/4</p> <p style="text-align: center;">2 ← (A) ← (A) → → 1 (A)</p> <p style="text-align: center;"></p>	Close doors and lock.	CLOSED	If values are ok: No fault, Wiring: –//– open circuit. If values are not ok: ⇒ 4.3


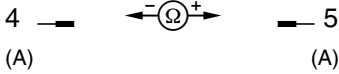
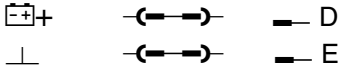
20.1 Central Locking (CL)

Model 163




Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
4.2		CL signal verification: Switches disconnected HHT Actual Values		Open doors, Disconnect: X35/1, X35/2, X35/3, X35/4	OPEN	If values are ok: Microswitch (CL) (M14/5s1), Microswitch (CL) (M14/6s1), Microswitch (CL) (M14/8s1), CL microswitch (M14/9s1), Wiring: Γ Γ- short circuit to ground (GND), If values are not ok: Wiring: Γ Γ- short circuit to ground (GND), All-Activity-Module (AAM) (N10).
4.3		 actual values, CL signal verification: Switches bridged	X35/1 X35/2 X35/3 X35/4 	Open doors, Disconnect separation point connectors, See end of 23 for connector layout.	OPEN	If values are ok: Microswitch (CL) (M14/5s1), Microswitch (CL) (M14/6s1), Microswitch (CL) (M14/8s1), CL microswitch (M14/9s1), Wiring: Γ Γ- short circuit to ground (GND), If values are not ok: Wiring: Γ Γ- short circuit to ground (GND), All-Activity-Module (AAM) (N10).


Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
5.0		CL actuating motors: RF door CL actuating motor (M14/5), LF door CL actuating motor (M14/6), LR door CL actuating motor (M14/8) RR door CL actuating motor (M14/9) Resistance	<p>X35/2 X35/1 X35/3 X35/4</p> 	Open doors, Disconnect: X35/1, X35/2, X35/3, X35/4	4 – 30 Ω	>20 kΩ: ⇒ 5.1 If: <1 Ω: Engine, Wiring: ⌌ short circuit
5.1		CL actuating motors: Activation		M14/5 M14/6 M14/8 M14/9	Remove door panels, disconnect connector at actuating motor, engage rotary tumbler.	Motor locks. Motor





Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
6.0		CL: Lock all locks (doors etc.) HHT Activation		All doors are closed and unlocked.	All doors and fuel filler flap are locked.	If individual doors are not locked: ⇒ 6.1 If none of the doors is locked: ⇒ 1.2
6.1		CL: Unlock all locks (doors etc.) HHT Activation		All doors are closed and locked.	All doors and fuel filler flap are unlocked.	If left front door and fuel filler flap are not unlocked: ⇒ 6.3 If right front door and rear doors are not unlocked: ⇒ 6.4 Tailgate is not unlocked: ⇒ 6.5 None of the doors in unlocked: Wiring, N10
6.2		Central locking, all doors lock relay (f1k20) Function		Swap central locking, all doors lock relay (F1k20) with central locking, tailgate unlock relay (F1k15). Perform test step 6.0 again.	All doors and fuel filler flap are locked.	If test is ok: F1k20 Otherwise check: Wiring.


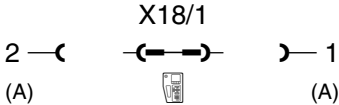


Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
6.3		Central locking, LF door and fuel filler flap unlock relay (F1k24) Function		Swap central locking, LF door and fuel filler flap unlock relay (F1k24) with central locking, tailgate unlock relay (F1k15). Close and lock left front door. Use HHT to open left front door.	Left front door is unlocked.	If values are ok: F1k24 If values are not ok: Wiring.
6.4		Central locking, RF door and rear doors unlock relay (F1k23)		Swap central locking, RF door and rear doors unlock relay (F1k23) with central locking, tailgate unlock relay (F1k15). Perform test step 6.1 again.	All doors and fuel filler flap are unlocked.	If left front door and fuel filler flap are not unlocked: Wiring, N10 Tailgate is not unlocked: F1k23
6.5		Central locking, tailgate unlock relay (F1k15) Function		Swap central locking, tailgate unlock relay (F1k15) with central locking, RF door and rear doors unlock relay (F1k23), close tailgate and lock. Using HHT open tailgate	Tailgate is unlocked.	If values are ok: F1k15 If values are not ok: Wiring.



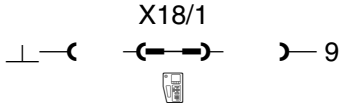
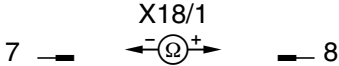
Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
7.0		Tailgate rotary tumbler microswitch Closed HHT Actual Values		Tailgate closed.	CLOSED	If values are ok: ⇒ 7.1 If values are not ok: ⇒ 7.2
7.1		Tailgate rotary tumbler microswitch Open HHT Actual Values		Tailgate open.	OPEN	If values are ok: No fault If values are not ok: ⇒ 7.3
7.2		Tailgate rotary tumbler microswitch Disconnected HHT Actual Values		Disconnect X18/1, tailgate open.	CLOSED	If values are ok: S88/1, Wiring: Γ Γ– short circuit to ground (GND). If values are not ok: N10 Wiring: Γ Γ– short circuit to ground (GND).


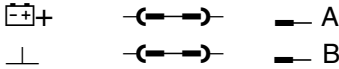

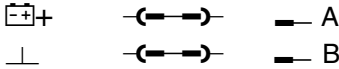

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
7.3		Tailgate rotary tumbler microswitch Switch bridged HHT Actual Values			OPEN	If values are ok: S88/1 Wiring: -//- open circuit. If values are not ok: N10 Wiring: -//- open circuit.
8.0		CL signal verification: Tailgate is open HHT Actual Values		Tailgate open and unlocked.	OPEN	If values are ok: ⇒ 8.1 If values are not ok: ⇒ 8.2
8.1		CL signal verification: Tailgate is closed HHT Actual Values		Tailgate closed and locked	CLOSED	If values are ok: No fault If values are not ok: ⇒ 8.3

Electrical Test Program – Test

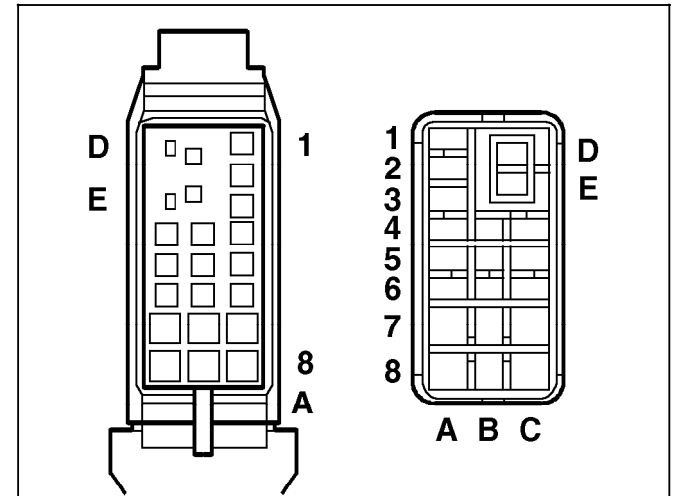
⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
8.2		CL signal verification: Tailgate switch disconnected HHT Actual Values		Open tailgate, disconnect X18/1	OPEN	If values are ok: Microswitch (CL) (M14/7s1) Wiring: ΓΓ– short circuit to ground (GND). If values are not ok: N10 Wiring: ΓΓ– short circuit to ground (GND).
8.3		CL signal verification: Tailgate switch bridged HHT Actual Values		Tailgate open. Switch disconnected.	Closed	If values are ok: Microswitch (CL) (M14/7s1) Wiring: –//– open circuit. If values are not ok: N10 Wiring: –//– open circuit.
9.0		Tailgate CL actuating motor Resistance		Open tailgate, Disconnect X18/1	4 – 30 Ω	>20 kΩ: ⇒ 9.1 If: <1 Ω: M14/7 Wiring: ΓΓ short circuit.

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
9.1		Tailgate CL actuating motor (M14/7) Activation	 <p>M14/7 A B</p>	Disconnect connector at actuating motor.  Use safety cable 124 589 37 63 00 for battery connection	Motor runs.	If values are ok: Wiring: -//- open circuit. If values are not ok: M14/7
10.0		Filler flap CL actuating motor (M14/10) Activation	 <p>M14/10 A B</p>	Disconnect connector at actuating motor.  Use safety cable 124 589 37 63 00 for battery connection	Motor runs.	M14/10

Electrical Test Program – Test

Connector Layout - Left front door separation point (X35/1), Right front door separation point (X35/2), Left rear door separation point (X35/3), Right rear door separation point (X35/4)



P54.18-0406-01

Version Coding

Version coding

Version coding must be performed using the HHT, after the replacement of the All Activity Module (AAM) (N10). The version coding is menu driven.

Access to version coding is gained via: Body and Accessories-AAM-Control Module Adaption-Version Coding.

Version coding

Version	Selection
Engine	M112/M113
Country Version	Norway/Sweden/Finland/Canada/ Great Britain/Netherlands/ Switzerland/Rest of World
Left-/right Hand steering vehicle	Right Hand Drive/Left Hand Drive
Transmission	Mechanical/Automatic
Country setting for fog lamps/rear foglamp	USA/Rest of World
Foglamps as auxiliary driving lamp	ON/OFF
Air Conditioning	Installed/Not installed
Heated Seats	Installed/Not installed
Trip Computer	Installed/Not installed
Convenience Feature	Possible with Door OPEN/Only with circuit 15

Continued.

Version Coding

Version coding

Version	Selection
ATA	Installed/Not installed
ATA interior protection/Anti-tow protection	Installed/Not installed
ATA self arming	ON/OFF
CL confirmation	ON/OFF
Automatic CL locking after 1 minute	ON/OFF
Automatic CL locking when driving	ON/OFF
CL automatic opening	ON/OFF
Panic Alarm	ON/OFF