

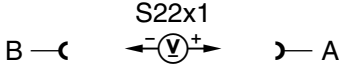
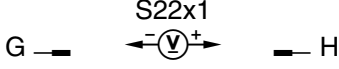



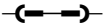
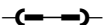





Electrical Test Program – Test

Preparation for Test:


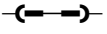
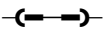





1.  **CAUTION!** See 22/1
2. Fuses OK.
3. Battery voltage 11 – 14 V

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0		Left front ESA switch (S22) Voltage supply		Transmitter key in ignition lock. Do not disconnect S22x1 connector.	11 – 14 V	Wiring, S22
2.0		Left front power seat fore/aft motor (M25m1) Voltage supply		Transmitter key in ignition lock. Do not disconnect S22x1 connector. Press seat fore/aft switch (S22s3) forward: Press seat fore/aft switch (S22s3) backward:	11 – 14 V – 11 to – 14 V	Wiring, Seat fore/aft switch (S22s3).


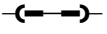
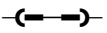





Electrical Test – Program Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
3.0		Left front power seat fore/aft motor (M25m1) Activation	M25m1 1 —  — 0 0 —  —  +	Ignition: OFF Disconnect connector at motor.  CAUTION! See notes on 22/1  For battery connection, use safety cable 124 589 37 63 00	Seat motor runs.	M25m1
4.0		Fore/aft motor (M25m1) Resistance	1 —  — 0	Disconnect connector at motor.	1 – 30 Ω	M25m1
5.0		Rear raise/lower motor (M25m2) Voltage supply	C —  — D	Transmitter key in ignition lock. Do not disconnect S22x1 connector. Press seat height, rear switch (S22s4) upward: Press seat height, rear switch (S22s4) down:	11 – 14 V – 11 to – 14 V	Wiring, Seat height, rear switch (S22s4).


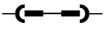
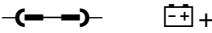


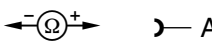
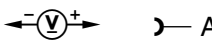
Electrical Test – Program Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
6.0		Rear raise/lower motor (M25m2) Activation	M25m1 1 —  0 —  	Ignition: OFF Disconnect connector at motor.  CAUTION! See notes on 22/1  For battery connection, use safety cable 124 589 37 63 00	Seat motor runs.	M25m2
7.0		Rear raise/lower motor (M25m2) Resistance	1 —  M25m2 — 0	Disconnect connector at motor.	1 – 30 Ω	M25m2
8.0		Front raise/lower motor (M25m3) Voltage supply	E —  S22x1 — F	Transmitter key in ignition lock. Do not disconnect S22x1 connector. Press seat height, front switch (S22s2) upward: Press seat height, front switch (S22s2) down:	11 – 14 V – 11 to – 14 V	Wiring, Seat height, front switch (S22s2).


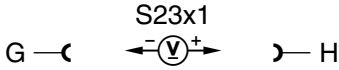
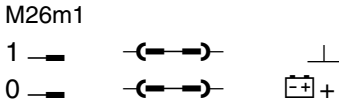


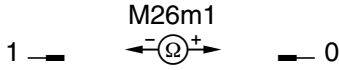
Electrical Test – Program Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
9.0		Front raise/lower motor (M25m3) Activation	M25m3 1 —  — ⊥ 0 —  —  +	Ignition: OFF Disconnect connector at motor.  CAUTION! See notes on 22/1  For battery connection, use safety cable 124 589 37 63 00	Seat motor runs.	M25m3
10.0		Front raise/lower motor (M25m3) Resistance	1 —  — 0 M25m3	Disconnect connector at motor.	1 – 30 Ω	M25m3
11.0		Backrest fore/aft motor (M25m5) Voltage supply	A —  — B S22x1	Transmitter key in ignition lock. Do not disconnect S22x1 connector. Press backrest switch (S22s5) forward: Press backrest switch (S22s5) backward:	11 – 14 V – 11 to – 14 V	Wiring, Backrest switch (S22s5).


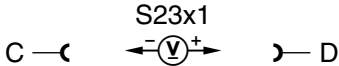
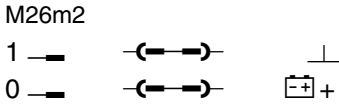


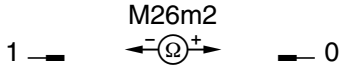
Electrical Test – Program Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
12.0		Backrest fore/aft motor (M25m5) Activation	X54/20 1 —  2 — 	Ignition: OFF Disconnect backrest motor connector X54/20  CAUTION! See notes on 22/1  For battery connection, use safety cable 124 589 37 63 00	Backrest motor runs.	Wiring, M25m5
13.0		Backrest fore/aft motor (M25m5) Resistance	1 —  (1)	Disconnect connector at motor.	1 – 30 Ω	M25m5.
14.0		Right front ESA switch (S23) Voltage supply	B — 	Transmitter key in ignition lock. Do not disconnect S22x1 connector.	11 – 14	Wiring, S23



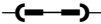

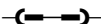




Electrical Test – Program Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
15.0		Right front power seat fore/aft motor (M26m1) Voltage supply		Transmitter key in ignition lock. Do not disconnect connector S23x1 Press seat fore/aft switch (S23s3) forward: Press seat fore/aft switch (S23s3) backward:	11 – 14 V – 11 to – 14 V	Wiring, Seat fore/aft switch (S23s3).
16.0		Right front power seat fore/aft motor (M26m1) Activation		Ignition: OFF Disconnect connector at motor.  CAUTION! See notes on 22/1  For battery connection, use safety cable 124 589 37 63 00	Seat motor runs.	M26m1
17.0		Right front power seat fore/aft motor (M26m1) Resistance		Disconnect connector at motor.	1 – 30 Ω	M26m1


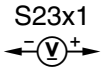
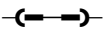

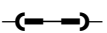



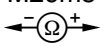
Electrical Test – Program Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
18.0		Rear raise/lower motor (M26m2) Voltage supply		Transmitter key in ignition lock. Do not disconnect S23x1 connector. Press seat height, rear switch (S23s4) downward: Press seat height, rear switch (S23s4) upward:	11 – 14 V – 11 to – 14 V	Wiring, Seat height, rear switch (S23s4).
19.0		Rear raise/lower motor (M26m2) Activation		Ignition: OFF Disconnect connector at motor.  CAUTION! See notes on 22/1  For battery connection, use safety cable 124 589 37 63 00	Seat motor runs.	M26m2
20.0		Rear raise/lower motor (M26m2) Resistance		Disconnect connector at motor.	1 – 30 Ω	M26m2

Electrical Test – Program Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
21.0		Front raise/lower motor (M26m3) Voltage supply	S23x1 E —  — F	Transmitter key in ignition lock. Do not disconnect S23x1 connector. Press seat height, front switch (S23s2) upward: Press seat height, front switch (S23s2) downward:	11 – 14 V – 11 to – 14 V	Wiring, S23s2
22.0		Front raise/lower motor (M26m3) Activation	M26m3 1 —  —  0 —  —  +	Ignition: OFF Disconnect connector at motor.  CAUTION! See notes on 22/1  For battery connection, use safety cable 124 589 37 63 00	Seat motor runs.	M26m3
23.0		Front raise/lower motor (M26m3) Resistance	M26m3 1 —  — 0	Disconnect connector at motor.	1 – 30 Ω	M26m3

Electrical Test – Program Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
24.0		Backrest fore/aft motor (M26m5) Voltage supply	<p>S23x1</p> <p>A —  — B</p>	<p>Transmitter key in ignition lock. Do not disconnect S23x1 connector. Press backrest switch (S23s5) forward: Press backrest switch (s23s5) backward:</p>	<p>11 – 14 V 11 – 14 V – 11 to – 14 V</p>	Wiring, S23s5
25.0		Backrest fore/aft motor (M26m5) Activation	<p>X54/20</p> <p>1 —  — </p> <p>2 —  — </p>	<p>Ignition: OFF Disconnect backrest motor connector X54/20</p> <p> CAUTION! See notes on 22/1  For battery connection, use safety cable 124 589 37 63 00</p>	Seat motor runs.	Wiring, M26m5
26.0		Backrest fore/aft motor (M26m5) Resistance	<p>M26m5</p> <p>1 —  — 0</p>	Disconnect connector at motor.	1 – 30 Ω	M26m5