

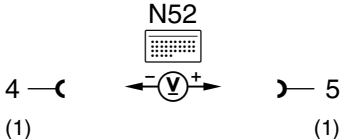
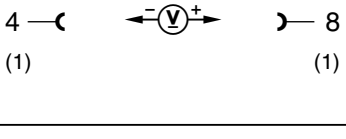
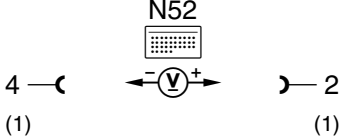
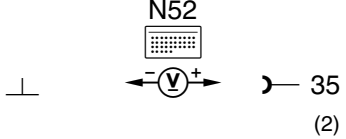
















Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0		Voltage supply Circuit 30	 	Ignition: OFF Connect test cable and socket box, see 22	11 – 14 V	Wiring (interruption or open circuit), Battery, Voltage regulator defective, Generator defective.
1.1		Circuit 15		Ignition: ON	11 – 14 V	Wiring (interruption or open circuit), Interior/taillamp harness connector (X18/3) disconnected, Ignition/starter switch defective.
2.0		Terminal 61		Start engine, connect test cable and socket box, see 22	11 – 14 V	Wiring, Harness connector 30/30ue/61e/87L (X10), Generator.
3.0		Power soft top control module (N52)		Ignition: ON		N52.






Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
4.0	145	Left front seat belt lock relay module (K18/2) with harness	<p>N52 </p> <p>25 —  — 1</p> <p>(2)</p> <p>W18 </p> <p>X55/3</p> <p>(B1) </p> <p>1 — — 2</p>	<p>X55/3</p> <p>Ignition: OFF Disconnect left ESA connector block (X55/3).</p> <p>X55/3</p> <p>(B1)</p>	<p>< 1 Ω</p> <p>> 11 V</p> <p>60 – 90 Ω</p>	<p>Wiring (interruption or open circuit), Fuse 3B circuit 30 (F20–3B) defective.</p> <p>Wiring (interruption or open circuit).</p> <p>Connector disconnected at K18/2, Replace seat belt tensioner (see SMS, Model 129, Job no. 91-502).</p>









Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
4.1		Insulation resistance	W18 	X55/3 (B1) Disconnect left ESA connector block (X55/3, B1).	>20 kΩ	Short circuit after circuit 31
4.2		Insulation resistance	X55/3 (B1) 1 	X55/3 (B) Disconnect left ESA connector block (X55/3, B1).	>20 kΩ	Short circuit after circuit 15, 30
4.3		Wiring	 47  25 (2) (2)	Socket box connected.	>20 kΩ	Short circuit after circuit 31
			 47   (2)		>20 kΩ	Short circuit after circuit 15, 30







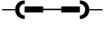
Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
5.0	145	Right front seat belt lock relay module (K18/3)	<p>N52  16 ←  → 1 (2)</p> <p>W19  → 2 X55/4</p> <p>(B1) X55/4 1 —  → 2 (B1)</p>	Ignition: OFF Disconnect connector on power soft top control module (N52). Disconnect right ESA connector block (X55/4).	<p>< 1 Ω</p> <p>> 11 V</p> <p>60–90 Ω</p>	<p>Wiring (interruption or open circuit), Fuse 3B circuit 30 (F20–3B) defective.</p> <p>Wiring (interruption or opencircuit).</p> <p>Connector disconnected at K18/3, Replace seat belt tensioner (see SMS, Model 129, Job no. 91-502).</p>



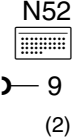

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
5.1		Insulation resistance	X55/4 (B1) W19  1	Disconnect right ESA connector block (X55/4, B1).	>20 kΩ	Short circuit after circuit 31
5.2		Insulation resistance	X55/4 (B1) 1  2	Disconnect right ESA connector block (X55/4, B1).	>20 kΩ	Short circuit after circuit 15, 30
5.3		Wiring	N52 47  16 (2) (2)	Socket box connected	>20 kΩ	Short circuit after circuit 31
			N52 47  		>20 kΩ	Short circuit after circuit 15, 30
6.0	144	RB deployment solenoid (Y57/1) with harness	X23 1  2	Ignition: OFF  CAUTION! Calibrate multimeter prior to measuring ohms Disconnect RB solenoid valve connector (X23) (2-pole).	0.5 – 1.5 Ω	Connector disconnected at Y57/1, Right support and actuation actuator defective.


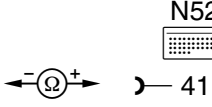
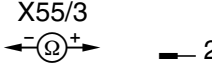
Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
6.1		Insulation resistance	W19  X23 ── 2		>20 kΩ	Short circuit after circuit 31
			W19  X23 ── 1		>20 kΩ	Short circuit after circuit 31
6.2		Insulation resistance	1 ──  X23)— 2		>20 kΩ	Short circuit after circuit 15, 30
			2 ──  X23)— 2		>20 kΩ	Short circuit after circuit 15, 30
7.0	179	RB MIL (A1e29)	 N52 + )— 13 (2)	Ignition: ON	RB MIL illuminates.	RB MIL (A1e29) connector, Interior/taillamp harness connector (X18/3) (1-pole) disconnected, Harness interrupted or open circuit.

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
8.0	145	Left front seat belt buckle/belt lock switch (S68/7) with harness	W18  	Ignition: OFF Disconnect connector at power soft top control module (N52). Seat belt buckle latched. Seat belt buckle not latched.	< 1 Ω >20 kΩ	Wiring (interruption or open circuit), Seat belt buckle defective.
8.1			1  2 X55/3	Disconnect left ESA connector block (X55/3). Seat belt buckle latched. Seat belt buckle not latched.	< 1 Ω >20 kΩ	Seat belt buckle defective.

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
9.0	145	Right front seat belt buckle/belt lock switch (S68/8) with harness		Ignition: OFF Disconnect connector at power soft top control module (N52). Seat belt buckle latched. Seat belt buckle not latched.	< 1 Ω >20 kΩ	Wiring (interrupted or open circuit), Seat belt buckle defective.
9.1				Disconnect left ESA connector block (X55/3). Seat belt buckle latched. Seat belt buckle not latched.	< 1 Ω >20 kΩ	Seat belt buckle defective.