Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0	**Fanfare horns H2**	K40/2 3 — horn relay socket — 5 horn relay socket	Remove horn relay (K40/2k6) Bridge as shown, see Figure 1	Fanfare horns sound	⇒ 2.0, Values OK: ⇒ 3.0,
2.0	**Driver-side fuse and relay module box K40/2** Voltage supply for horn relay K40/2k6	⊥ — V — K40/2 — 3 horn relay socket	Remove horn relay (K40/2k6) Connect as shown, see Figure 1	11 – 14 V	⇒ 2.1, f4, f5 Values OK: Wiring H2
2.1	Driver-side fuse and relay module box K40/2 Voltage supply circuit 30	K40/2 4 (C1.4) — V — 2 (C1.2) 4 (C1.4) — V — 3 (C1.3)	Ignition: **OFF**	11 – 14 V	Wiring, Values OK: K40/2

Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
3.0	**Signal pickup and activation module (SAM) left front N10/1** respectively Driver-side fuse and relay module box K40/2 circuit 15R for horn relay K40/2k6	⊥ – V + K40/2 ❩— 2 horn relay socket	Remove horn relay (K40/2k6) Connect as shown, see Figure 1 Ignition switch in position 1	11 – 14 V	⇒ 3.1, Values OK: ⇒ 3.2,
3.1	circuit 15R	⊥ – V + K40/2 ❩— 2 (C1.1)	Ignition switch in position 1	11 – 14 V	Wiring Values OK: K40/2 N10/1
3.2	Horn relay K40/2k6 control (coil)	1 —❨ horn relay socket – V + K40/2 ❩— 2 horn relay socket	Remove horn relay (K40/2k6) Connect as shown, see Figure 1 Ignition switch in position 1 Horn switch (S4/2): depressed not depressed	 11 – 14 V < 1 V	Wiring S4/2 CAN between N73 and N10/1 N10/1 N73 Values OK: K40/2k6
4.0	**Horn switch S4/2 and wiring**	3 —❨ (B.3) (Ground) – Ω + N73 ❩— 8 (B.8)	Remove connector B on N73 Horn switch (S4/2): depressed not depressed	 < 1 Ω > 20 k Ω	Wiring A45 S4/2

Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
5.0	**Electronic ignition lock control module N73** Voltage supply, circuit 30	N73 3 (B.3) — V — 4 (A.4) 3 (B.3) — V — 5 (A.5) 3 (B.3) — V — 7 (B.7)	Ignition: **OFF** Loosen connectors A and B on N73	11 – 14 V	Wiring
6.0	**Horn relay K40/2k6** ⌐ ¬ +		Remove horn relay (K40/2k6)	Horn sounds	Wiring ⌐ ¬ + or in K40/2 Values OK and Complaint present with ignition OFF: K40/2k6 Values OK and Complaint present with ignition ON: ⇒ 4 CAN K40/2 N10/1 N73
7.0	**HHT interface, connection between N73 and diagnostic connector X11/4**	X11/4 20 — Ω — N73 14 (B.14)	Ignition: **OFF**	< 1 Ω	Wiring

Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
8.0	**CAN Data line between N10/1 and N73** –//–	N73 11 (B.11) — Ω — N10/1 7 (2.7) N73 10 (B.10) — Ω — N10/1 6 (2.6)	Remove connector B on N73 and connector 2 on N10/1	< 1 Ω < 1 Ω	Wiring ⇒ 8.1
8.1	⌐¬	N10/1 6 (2.6) — Ω — 7 (2.7)	Remove connector 2 on N10/1	> 20 kΩ	Wiring ⇒ 8.2
8.2	CAN Data line High ⌐¬ –	N10/1 1 (4.1) — Ω — 6 (2.6)	Remove connectors 2 and 4 on N10/1	> 20 kΩ	Wiring ⇒ 8.3
8.3	CAN Data line Low ⌐¬ –	N10/1 1 (4.1) — Ω — 7 (2.7)	Remove connectors 2 and 4 on N10/1	> 20 kΩ	Wiring ⇒ 8.4
8.4	CAN Data line High ⌐¬ +	N10/1 2 (4.2) — Ω — 6 (2.6)	Remove connectors 2 and 4 on N10/1	> 20 kΩ	Wiring ⇒ 8.5
8.5	CAN Data line Low ⌐¬ +	N10/1 2 (4.2) — Ω — 7 (2.7)	Remove connectors 2 and 4 on N10/1	> 20 kΩ	Wiring

Electrical Test Program – Test

Location driver-side fuse and relay module box (K40/2). Horn relay (K40/2k6) removed.

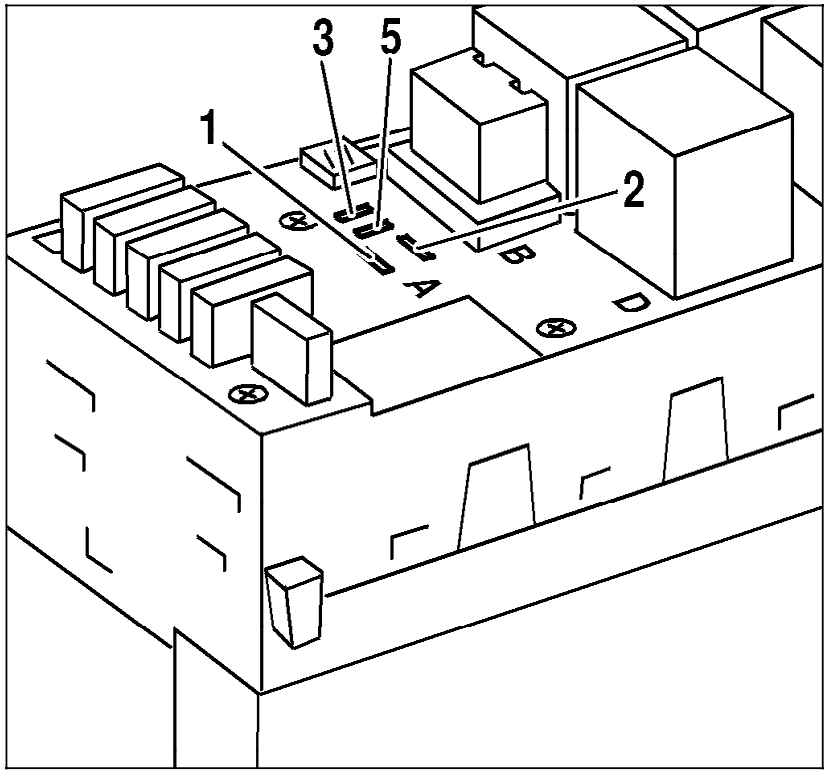

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Figure 1
1 Relay control - coil
2 Circuit 15R - switched voltage
3 Circuit 30 voltage
5 Horn voltage supply