






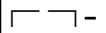


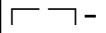


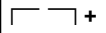


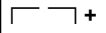




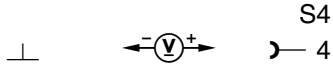
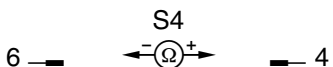
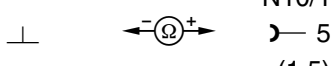
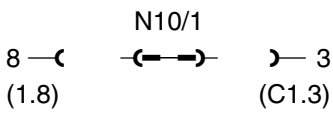
Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0	Signal pickup and activation module (SAM) left front N10/1 Voltage supply circuit 30		Remove N10/1 Ignition: OFF	11 – 14 V	Wiring
2.0	Electronic ignition lock control module N73 Voltage supply, circuit 30		Ignition: OFF Loosen connectors A and B on N73	11 – 14 V	Wiring
3.0	HHT interface, connection between N73 and diagnostic connector X11/4		Ignition: OFF	< 1 Ω	Wiring

Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy	
4.0	CAN Data line between N10/1 and N73 -//-	N73 11 —  ← ⊖ ⊕ → (B.11)	N10/1 7 —  (2.7)	Remove connector B on N73 and connector 2 on N10/1	< 1 Ω	Wiring ⇒ 4.1
		10 —  ← ⊖ ⊕ → (B.10)	6 —  (2.6)		< 1 Ω	
4.1		6 —  ← ⊖ ⊕ → (2.6)	N10/1 7 —  (2.7)	Remove connector 2 on N10/1	> 20 kΩ	Wiring ⇒ 4.2
4.2	CAN Data line High  -	1 —  ← ⊖ ⊕ → (4.1)	N10/1 6 —  (2.6)	Remove connectors 2 and 4 on N10/1	> 20 kΩ	Wiring ⇒ 4.3
4.3	CAN Data line Low  -	1 —  ← ⊖ ⊕ → (4.1)	N10/1 7 —  (2.7)	Remove connectors 2 and 4 on N10/1	> 20 kΩ	Wiring ⇒ 4.4
4.4	CAN Data line High  +	2 —  ← ⊖ ⊕ → (4.2)	N10/1 6 —  (2.6)	Remove connectors 2 and 4 on N10/1	> 20 kΩ	Wiring ⇒ 4.5
4.5	CAN Data line Low  +	2 —  ← ⊖ ⊕ → (4.2)	N10/1 7 —  (2.7)	Remove connectors 2 and 4 on N10/1	> 20 kΩ	Wiring

Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
5.0	Turn signal switch S4s1 Voltage supply circuit 15R		Remove connector from S4 Circuit 15R: ON OFF	< 1 V 11 – 14 V	Wiring model 210: f3 model 208: f22 ⇒ 5.1,
5.1	Turn signal switch S4s1 resistance		Remove connector from S4 Turn signal switch position: right left off	< 1 Ω 196 - 204 Ω > 20 kΩ	S4
6.0	Hazard flasher switch S6/1s1 resistance		Loosen connector 1 on N10/1 Hazard flasher switch: on off	< 1 Ω > 20 kΩ	Wiring, S6/1s1
7.0	Hazard flasher switch S6/1s1 indicator lamp		Loosen connector 1 and C1 on N10/1	Indicator lamp on the switch illuminates	Wiring, S6/1s1 Values OK: N10/1







Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
8.0	Instrument cluster A1 Audible turn signal indicator A1h2, Left and right turn signal indicator A1e1 and A1e2	N10/1 2 —(C) —(←→)— 5 (C1.2) 2 —(C) —(←→)— 5 (C1.2) (2.4)	Remove connectors 2 and C1 from N10/1	Indicator lamps in the instrument cluster must illuminate. Audio indicator must be heard when connecting and disconnecting the bridge.	Wiring A1e A1 Values OK: N10/1
9.0	Turn signal lamp E3e1 left rear taillamp unit	2 —(C) —(←→)— 7 (C1.2) (4.7)	Remove connectors 4 and C1 from N10/1	Lamp illuminates	Wiring, Lamp or socket ⇒ 15
10.0	Left turn signal/side marker lamp E6/1	2 —(C) —(←→)— 3 (C1.2) (5.3)	Remove connectors 5 and C1 from N10/1	Lamp illuminates	Wiring, Lamp or socket ⇒ 15
11.0	Left auxiliary turn signal lamp E22/1	2 —(C) —(←→)— 4 (C1.2) (5.4)	Remove connectors 5 and C1 from N10/1	Lamp illuminates	Wiring, Lamp or socket ⇒ 15

Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
12.0	Turn signal lamp E4e1 right rear taillamp unit	2 —(C) — (←→) — 8 (C1.2) (4.8)	Remove connectors 4 and C1 from N10/1	Lamp illuminates	Wiring, Lamp or socket ⇒ 16
13.0	Right turn signal/side marker lamp E6/2	2 —(C) — (←→) — 1 (C1.2) (5.1)	Remove connectors 5 and C1 from N10/1	Lamp illuminates	Wiring, Lamp or socket ⇒ 16
14.0	Right auxiliary turn signal lamp E22/2	2 —(C) — (←→) — 2 (C1.2) (5.2)	Remove connectors 5 and C1 from N10/1	Lamp illuminates	Wiring, Lamp or socket ⇒ 16
15.0	Signal pickup and activation module (SAM) left front N10/1 Left outputs	4 —(C) — (←⓪→) — 7 (C1.4) (4.7) 4 —(C) — (←⓪→) — 3 (C1.4) (5.3) 4 —(C) — (←⓪→) — 4 (C1.4) (5.4)	All connectors plugged in Ignition: ON Apply left turn signal	11 – 14 V pulsing in turn signal frequency	N10/1

Electrical Test Program – Test

⇒	Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
16.0	Signal pickup and activation module (SAM) left front N10/1 Right outputs	N10/1 4 —  ←  → 8 (C1.4) (4.8) 4 —  ←  → 1 (C1.4) (5.1) 4 —  ←  → 2 (C1.4) (5.2)	All connectors plugged in Ignition: ON Apply right turn signal	11 – 14 V pulsing in turn signal frequency	N10/1