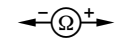
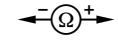
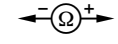
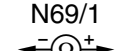
Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
1.0		**Antenna** HF line ⌜⌝+	N70 7 —( +  (A)	Disconnect connector from roof control panel control module N70	>20 kΩ	Antenna
2.0		**Antenna** HF line ⌜⌝–	⊥  N70)— 7	Disconnect connector from roof control panel control module N70	>20 kΩ	Antenna
3.0		Lock nut switch circuit Left front door lock switch (S86/1) (CF) USA	N69/1 1 —()— 2 (2) (2) N69/1 1 —()— 3 (2) (2)	Disconnect connector from left front door lock switch (S86/1): S86/1: **Rest position** **Press and hold unlock:** S86/1: **Rest position** **Press and hold lock:**	 >20 kΩ <1 Ω >20 kΩ <1 Ω	Wiring, S86/1

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
4.0		Trunk lid lock switch (S88/2) (CF) (USA)	A37 11 —(–V+ ⊟+ (1) A37 12 —(–V+ ⊟+ (1)	Disconnect connector from PSE control module (A37) S88/2: **Rest position** **Press and hold unlock:** S88/2: **Rest position** **Press and hold unlock:**	 <1 V 11 – 14 V <1 V 11 – 14 V	Wiring, S88/2
5.0		**Data line** CAN H/CAN L Motor electronics activation ⌈⌉ to each other	N73 N73 1 —(–Ω+)— 2 (C) (C)	Disconnect connector (C) from N73 and disconnect motor control module.	 >20 kΩ	Wiring.
6.0		**Data line** CAN L Motor electronics activation –//–	N73 2 —(–Ω+)— 2) (C)	Disconnect connector (C) from N73 and disconnect motor control module.	 <1 Ω	Wiring.

2) Prior to testing, please see appropriate ETM to determine engine control module harness socket number.

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
7.0		**Data line** CAN H Motor electronics activation –//–	N73 1 (C) — Ω — N73 2)	Disconnect connector (C) from N73 and disconnect motor control module.	<1 Ω	Wiring.
8.0		**Data line** CAN L Motor electronics activation ⌐¬+	N73 2 (C) — Ω — N73 +	Disconnect connector (C) from N73 and disconnect motor control module.	>20 kΩ	Wiring.
9.0		**Data line** CAN H Motor electronics activation ⌐¬+	N73 1 (C) — Ω — N73 +	Disconnect connector (C) from N73 and disconnect motor control module.	>20 kΩ	Wiring.

2) Prior to testing, please see appropriate ETM to determine engine control module harness socket number.

Electrical Test Program – Test

10.0		**Data line** CAN L Motor electronics activation ⌜⌝ –	⊥ Ω N73 2 (2)	Disconnect connector (C) from N73 and disconnect motor control module.	>20 kΩ	Wiring.
11.0		**Data line** CAN H Motor electronics activation ⌜⌝ –	⊥ Ω N73 1 (C)	Disconnect connector (C) from N73 and disconnect motor control module.	>20 kΩ	Wiring.
12.0		**Left/right front door IR receiver (A26/1, A26/2)** Voltage supply	A26/1: 1 V 2 A26/2: 2 V 3	Remove both A26/1 and A26/2	4.5 – 5.5 V	Wiring, N69/1, N69/2
13.0		**Left/right front door IR receiver (A26/1, A26/2)** Control wire IR signal –//–	A26/1 3 Ω N69/1 2 (3) A26/2 5 Ω N69/2 2 (3) 1	Disconnect connector (3) from N69/1, N69/2 Remove A26/1 and A26/2	<1 Ω	Wiring.

Electrical Test Program – Test

⇒		Test scope	Test connection	Test condition	Nominal value	Possible cause/Remedy
13.1		Left/right front door IR receiver (A26/1, A26/2) Control wire IR signal ⌜⌝+	N69/1 N69/2 2 — ☾ Ω + ⊡+ (3)	Disconnect connector (3) from N69/1, N69/2 Remove A26/1 and A26/2	>20 kΩ	Wiring.
13.2		Left/right front door IR receiver (A26/1, A26/2) Control wire IR signal ⌜⌝–	N69/1 N69/2 ⊥ Ω + ☽— 2 (3)	Disconnect connector (3) from N69/1, N69/2 Remove A26/1 and A26/2	>20 kΩ	Wiring.
14.0		**ESC control module (N26/5)** Voltage supply	N26/5 2 — ☾ V + ☽— 1	Disconnect connector from N26/5	11 – 14 V	Circuit 30, Circuit 31

Electrical Test Program – Test

15.0	B1156 B1157	**ESC control module (N26/5)** Data lines –//–	N26/5 3 —( N73 4 (B) N26/5 4 —( N73)— 5 (B)	Disconnect connector from N26/5 and connector (B) from N73.	<1 Ω <1 Ω	Wiring.
15.1	B1156 B1157	ESC control module (N26/5) Data lines Γ1–	⊥  N26/5)— 3 ⊥  N26/5)— 4	Disconnect connector from N26/5.	>20 kΩ >20 kΩ	Wiring.
15.2	B1156 B1157	ESC control module (N26/5) Data lines Γ1+	N26/5 3 —( + N26/5 4 —( +	Disconnect connector from N26/5.	>20 kΩ >20 kΩ	Wiring.

Electrical Test Program – Test

16.0	B11/48	**Electronic ignition lock control module (N73)** Circuit 50 wire –//–	N73 9 —((B) K40/2)— 10 (C3)	Disconnect connector (C3) from driver-side fuse and relay module box (K40/2) and connector (B) from N73	<1 Ω	Wiring.
16.1	B11/48	Electronic ignition lock control module (N73) Circuit 50 wire ⌜⌝–	⊥ K40/2)— 10 (C3)	Ignition: **OFF** Disconnect connector (C3) from K40/2	>20 kΩ	Wiring, N73
16.2	B11/48	Electronic ignition lock control module (N73) Circuit 50 wire ⌜⌝+	K40/2 10 —((C3) +	Ignition: **OFF** Disconnect connector (C3) from K40/2	>20 kΩ	Wiring, N73