

BODY ELECTRICAL

SERVICE DATA

SS0CN-03

INTEGRATION RELAY (Relay Circuit)	USA models	
A1 – Ground (Constant)		*1 Battery positive voltage
A2 – Ground (Constant)		*1 Battery positive voltage
A7 – Ground (Ignition switch LOCK or ACC)		No voltage
A7 – Ground (Ignition switch ON)		Battery positive voltage
A9 – Ground (Ignition switch LOCK or ACC)		No voltage
A9 – Ground (Ignition switch ON)		Battery positive voltage
A11 – Ground (Ignition switch LOCK)		No voltage
A11 – Ground (Ignition switch ACC or ON)		Battery positive voltage
INTEGRATION RELAY (Relay Circuit)	CANADA models	
A1 – Ground (Constant)		*1 Battery positive voltage
A2 – Ground (Constant)		*1 Battery positive voltage
A7 – Ground (Ignition switch LOCK or ACC)		No voltage
A7 – Ground (Ignition switch ON)		Battery positive voltage
A9 – Ground (Ignition switch LOCK or ACC)		No voltage
A9 – Ground (Ignition switch ON)		Battery positive voltage
A11 – Ground (Ignition switch LOCK)		No voltage
A11 – Ground (Ignition switch ACC or ON)		Battery positive voltage
B4 – Ground (Engine stop)		No voltage
B4 – Ground (Engine running)		Battery positive voltage
B9 – Ground (Constant)		Battery positive voltage
B11 – Ground (Constant)		Battery positive voltage
B12 – Ground (Constant)		Battery positive voltage
AUTOMATIC LIGHT CONTROL SENSOR		
(Connector disconnected)		
1 – Ground (Ignition switch position LOCK or ACC)		No voltage
1 – Ground (Ignition switch position ON)		Battery positive voltage
2 – Ground (Constant)		Battery positive voltage
(Connector connected)		
TURN SIGNAL FLASHER		
LIGHT FAILURE RELAY (Wire Harness Side)		
3 – Ground (Light control switch OFF)		No voltage
3 – Ground (Light control switch TAIL or HEAD)		Battery positive voltage
4 – Ground (Ignition switch LOCK or ACC)		No voltage
4 – Ground (Ignition switch ON)		Battery positive voltage
7 – Ground (Stop light switch OFF)		No voltage
7 – Ground (Stop light switch ON)		Battery positive voltage
8 – Ground (Ignition switch LOCK or ACC)		No voltage
8 – Ground (Ignition switch ON)		Battery positive voltage
SPEEDOMETER (ON-VEHICLE)		
USA:		
Standard indication (mph)		Allowable range (mph)

SERVICE SPECIFICATIONS – BODY ELECTRICAL

20	18 – 24
40	38 – 44
60	56 – 66
80	78 – 88
100	98 – 110
120	118 – 132
CANADA:	
Standard indication (km/h)	Allowable range (km/h)
20	17 – 24
40	38 – 46
60	57.5 – 67
80	77 – 88
100	96 – 109
120	115 – 130
140	134 – 151.5
160	153 – 173
TACHOMETER (ON-VEHICLE)/ DC 13.5 V 25 °C at (77 °F)	
Standard indication	Allowable range
700	630 – 770
1,000	900 – 1,100
2,000	1,850 – 2,150
3,000	2,800 – 3,200
4,000	3,800 – 4,200
5,000	4,800 – 5,200
6,000	5,750 – 6,250
7,000	6,700 – 7,300
FUEL RECEIVER GAUGE	
A – B	Approx. 91.3 Ω
A – C	Approx. 231.8 Ω
B – C	Approx. 270.8 Ω
FUEL SENDER GAUGE	
Float position mm (in.)	Resistance (Ω)
F: Approx. 71.8 mm (2.83 in.)	Approx. 3.0
1/2: Approx. 184.8 mm (7.28 in.)	Approx. 30.8
E: Approx. 304.6 mm (11.99 in.)	Approx. 110.0
ENGINE COOLANT TEMPERATURE RECEIVER GAUGE (Resistance)	
A – B	Approx. 54.0 Ω
A – C	Approx. 175.7 Ω
B – C	Approx. 229.7 Ω
SLIDING ROOF CONTROL RELAY AND SWITCH (Wire Harness Side)	
6 – Ground (Ignition switch LOCK or ACC)	*2 No voltage
6 – Ground (Ignition switch ON)	Battery positive voltage
12 – Ground (Constant)	Battery positive voltage
MIRROR ECU (Wire harness side)	
A4 – Ground (Constant)	Battery positive voltage

A7 – Ground (Ignition switch LOCK)	No voltage
A7 – Ground (Ignition switch ACC or ON)	Battery positive voltage
MIRROR ECU (Connector connected)	
A1 – Ground (Right mirror switch LEFT)	Battery positive voltage
A2 – Ground (Right mirror switch UP)	Battery positive voltage
A3 – Ground (Right mirror switch RIGHT or DOWN)	Battery positive voltage
*3 A5 – Ground (Right mirror switch leftmost)	0 – 0.9 V
*3 A5 – Ground (Right mirror switch rightmost)	2.8 – 5.0 V
*3 A6 – Ground (Right mirror switch lowermost)	2.8 – 5.0 V
*3 A6 – Ground (Right mirror switch uppermost)	0 – 0.9 V
A8 – Ground (Left mirror switch RIGHT)	Battery positive voltage
A9 – Ground (Left mirror switch UP)	Battery positive voltage
A10 – Ground (Left mirror switch LEFT or DOWN)	Battery positive voltage
A13 – Ground (Right or Left mirror switch to any position except OFF)	Approx. 5 V
*3 A14 – Ground (Left mirror switch leftmost)	2.8 – 5.0 V
*3 A14 – Ground (Left mirror switch rightmost)	0 – 0.9 V
*3 A15 – Ground (Left mirror switch lowermost)	2.8 – 5.0 V
*3 A15 – Ground (Left mirror switch uppermost)	0 – 0.9 V
B2 – Ground (Constant)	Approx. 5 V
B4 – Ground (Constant)	Approx. 5 V
B5 – Ground (Constant)	Approx. 5 V
B6 – Ground (Constant)	Approx. 5 V

*1: There is resistance because this circuit is grounded through the bulb.

*2: Exceptions: For 60 seconds after the ignition switch ON→OFF (ACC) or until driver or passenger door is opened after the ignition switch ON→OFF (ACC).

*3: Confirm that the voltage changes gradually while the mirror moves.