

# BODY ELECTRICAL

## SERVICE DATA

SS0CN-18

INTEGRATION RELAY (Light auto turn off system and daytime running light system)	
USA	
A1 – Ground (Constant)	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 ON or ACC)	Battery positive voltage
CANADA	
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 ON or ACC)	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
TURN SIGNAL FLASHER	
Flashes/Minute	60 – 120
LIGHT FAILURE SENSOR (Wire Harness Side)	
3 – Ground (Taillight or headlight OFF)	No voltage
3 – Ground (Taillight or headlight ON)	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
INTEGRATION RELAY (Illuminated Entry System)	
A1 – Ground (Constant)	*1 Battery positive voltage
A2 – Ground (Constant)	*1 Battery positive voltage
SPEEDOMETER (USING A SPEEDOMETER TESTER)	
USA	
Standard indication (mph)	Allowable range (mph)
20	18 – 24

40	38 – 44
60	58 – 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)	
RPM (DC 13.5 V 25 °C at (77 °F))	
Standard indication (rpm)	Allowable range (rpm)
700	610 – 750
1,000	900 – 1,000
2,000	1,850 – 2,150
3,000	2,800 – 3,200
4,000	3,800 – 4,200
5,000	4,800 – 5,200
6,500	5,750 – 6,250
7,000	6,700 – 7,300
FUEL RECEIVER GAUGE	
A – B	Approx. 91.3
A – C	Approx. 231.8
B – C	Approx. 270.8
FUEL SENDER GAUGE	
Float position: F (Approx. 71.8 mm (2.83 in.))	Approx. 3
Float position: 1/2 (Approx. 184.8 mm (7.28 in.))	Approx. 30.8
Float position: E (Approx. 304.6 mm (11.99 in.))	Approx. 110
ENGINE COOLANT TEMPERATURE GAUGE	
A – B	Approx. 54
A – C	Approx. 175.7
B – C	Approx. 229.7
INTEGRATION RELAY (Seat belt warning and key unlock warning)	
A1 – Ground (Constant)	Battery positive voltage
A7 – Ground (Ignition switch OFF or ACC)	No voltage
A7 – Ground (Ignition switch ON)	Battery positive voltage
A9 – Ground (Ignition switch OFF or ACC)	No voltage
A9 – Ground (Ignition switch ON)	Battery positive voltage
SLIDING ROOF CONTROL RELAY	
6 – Ground (Ignition switch LOCK or ACC)	*2 No voltage

1997 LEXUS SC400/SC300 (RM513U)

## SERVICE SPECIFICATIONS – BODY ELECTRICAL

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 OFF)	No voltage
A7 – Ground (Ignition switch ACC)	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 of passenger door is opened after the ignition switch ON→OFF (ACC).

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