

BODY ELECTRICAL

SERVICE DATA

SS0CN-31

COMBINATION SWITCH	
2 – Ground (Always)	Battery positive voltage
11 – Ground (Ignition switch OFF or ACC)	No voltage
11 – Ground (Ignition switch ON)	Battery positive voltage
12 – Ground (Ignition switch OFF or ACC)	No voltage
12 – Ground (Ignition switch ON)	Battery positive voltage
13 – Ground (Always)	Battery positive voltage
14 – Ground (Always)	Battery positive voltage
AUTOMATIC LIGHT CONTROL SENSOR	
(Connector connected)	
3 – Ground (Ignition switch ON)	5.2 – 9.0V
TURN SIGNAL FLASHER	
1 – Ground (Ignition switch LOCK or ACC)	No voltage
1 – Ground (Ignition switch ON)	Battery positive voltage
4 – Ground (Always)	Battery positive voltage
SPEEDOMETER (ON-VEHICLE)	
USA:	
Standard indication (mph)	Allowable range (mph)
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	617 – 757
1,000	(881) – (1,081)
2,000	(1,837) – (2,087)
3,000	2,793 – 3,093
4,000	(3,775) – (4,075)
5,000	(4,756) – (5,058)
FUEL SENDER GAUGE	

2003 LEXUS LX470 (RM973U)

Float position mm (in.)	Voltage (V)
F: Approx. 85.3 (3.36)	Approx. 4.60 ± 0.1
1/2: Approx. 1.7 (0.76)	Approx. 2.45 ± 0.1
E: Approx. 9.19 (3.62)	Approx. 0.30 ± 0.1
ENGINE COOLANT TEMPERATURE SENDER GAUGE	
Temperature °C (°F)	Resistance (Ω)
50 (122.0)	160 – 240 Ω
120 (248.0)	17.1 – 21.2 Ω
DEFOGGER SWITCH (w/ Navigation)	
B22 – Ground (Ignition switch LOCK or ACC)	No voltage
B22 – Ground (Ignition switch ON)	Battery positive voltage
A10 – Ground (Always)	Battery positive voltage
DEFOGGER SWITCH (w/o Navigation)	
8 – Ground (Ignition switch LOCK or ACC)	No voltage
8 – Ground (Ignition switch ON)	Battery positive voltage
2 – Ground (Always)	Battery positive voltage
POWER WINDOW MASTER SWITCH	
10 – Ground (Always)	Battery positive voltage
9 – Ground (Always)	Battery positive voltage
20 – Ground (Ignition switch OFF or ACC)	No voltage
20 – Ground (Ignition switch ON)	Battery positive voltage
POWER WINDOW SWITCH	
12 – Ground (Always)	Battery positive voltage
SLIDING ROOF CONTROL ASSEMBLY	
5 – Ground (Always)	Battery positive voltage
8 – Ground (Ignition switch LOCK or ACC)	No voltage
8 – Ground (Ignition switch ON)	Battery positive voltage
POWER SEAT SWITCH (Passenger's Seat)	
11 – Ground (Always)	Battery positive voltage
LUMBAR SUPPORT SWITCH (Driver's Seat)	
4 – Ground (Always)	Battery positive voltage
POWER MIRROR SWITCH (Wire harness side)	
4 – Ground (Ignition switch LOCK)	No voltage
4 – Ground (Ignition switch ACC or ON)	Battery positive voltage
ELECTRO CHROMIC INNER MIRROR	
4 – Ground (Always)	Battery positive voltage
1 – Ground (Ignition switch OFF or ACC)	No voltage
1 – Ground (Ignition switch ON)	Battery positive voltage
POWER AMPLIFIER	
7 – Ground (Always)	Battery positive voltage
16 – Ground (Always)	Battery positive voltage
REAR SEAT AUDIO	
24 – Ground (Ignition switch LOCK)	No voltage
24 – Ground (Ignition switch ACC or ON)	Battery positive voltage
12 – Ground (Always)	Battery positive voltage
DVD AUTO CHANGER	

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SERVICE SPECIFICATIONS - BODY ELECTRICAL

1 - Ground (Ignition switch LOCK)	No voltage
1 - Ground (Ignition switch ACC or ON)	Battery positive voltage
10 - Ground (Always)	Battery positive voltage
RADIO RECEIVER	
A1 - Ground (Always)	Battery positive voltage
A11 - Ground (Ignition switch LOCK)	No voltage
A11 - Ground (Ignition switch ACC or ON)	Battery positive voltage
ANTENNA MOTOR CONTROL RELAY	
4 - Ground (Always)	Battery positive voltage
7 - Ground (Ignition switch ACC or LOCK)	No voltage
7 - Ground (Ignition switch ON)	Battery positive voltage
17 - Ground (Ignition switch LOCK)	No voltage
17 - Ground (Ignition switch ACC or ON)	Battery positive voltage
MULTI DISPLAY	
9 - Ground (Always)	Battery positive voltage
10 - Ground (Ignition switch OFF)	No voltage
10 - Ground (Ignition switch ACC or ON)	Battery positive voltage
11 - Ground (Ignition switch OFF or ACC)	No voltage
11 - Ground (Ignition switch ON)	Battery positive voltage
OVERHEAD J/B	
8 - Ground (Always)	Battery positive voltage
11 - Ground (Ignition switch OFF or ACC)	No voltage
11 - Ground (Ignition switch ON)	Battery positive voltage
TOWING CONVERTER	
1 - Ground (Always)	Battery positive voltage