

BODY ELECTRICAL

SERVICE DATA

SS0CN-11

DAYTIME RUNNING LIGHT RELAY (MAIN) (Wire Harness Side)	
3 – Ground (Constant)	Battery positive voltage
8 – Ground (Ignition switch OFF)	No voltage
8 – Ground (Ignition switch ON)	Battery positive voltage
9 – Ground (Terminal 3 ground)	Battery positive voltage
11 – Ground (Rear fog light switch ON, terminal 3 ground)	Battery positive voltage
12 – Ground (Constant)	Battery positive voltage
14 – Ground (Terminal 5 ground)	Battery positive voltage
AUTOMATIC LIGHT CONTROL SENSOR	
(Connector disconnected)	
1 – Ground (Ignition switch ON)	Battery positive voltage
1 – Ground (Ignition switch LOCK or ACC)	No voltage
2 – Ground (Constant)	Battery positive voltage
TURN SIGNAL FLASHER	
1 – Ground (Ignition switch LOCK or ACC)	No voltage
1 – Ground (Ignition switch ON)	Battery positive voltage
4 – Ground (Constant)	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
SPEEDOMETER	Resistance (Ω)
A – B	160 Ω
C – D	160 Ω
TACHOMETER (ON-VEHICLE)/ DC 13.5 V 25 °C at (77 °F)	
Standard indication	Allowable range
700	630 – 770
1,000	900 – 1,100

SERVICE SPECIFICATIONS – BODY ELECTRICAL

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
TACHOMETER	Resistance (Ω)
A – B	160 Ω
C – D	160 Ω
VOLTMETER RESISTANCE	Resistance (Ω)
A – B	347 Ω
FUEL RECEIVER GAUGE	Resistance (Ω)
A – B	160 Ω
C – D	160 Ω
FUEL SENDER GAUGE	Resistance (Ω)
Float position mm (in.)	Voltage (V)
F: Approx. 85.3 (3.36)	Approx. 0.30 $\pm$ 0.1
1/2: Approx. 1.7 (0.76)	Approx. 2.45 $\pm$ 0.1
E: Approx. 9.19 (3.62)	Approx. 4.60 $\pm$ 0.1
ENGINE COOLANT TEMPERATURE RECEIVER GAUGE	Resistance (Ω)
A – B	226.8 Ω
ENGINE COOLANT TEMPERATURE SENDER GAUGE	
Temperature $^{\circ}\text{C}$ ($^{\circ}\text{F}$)	Resistance (Ω)
50 (122.0)	160 – 240 Ω
120 (248.0)	17.1 – 21.2 Ω
OIL PRESSURE GAUGE	Resistance (Ω)
A – B	44 Ω
DEFOGGER SWITCH (wire harness side)	
12 – Ground (Constant)	Battery positive voltage
1 – Ground (Ignition switch LOCK or ACC)	No voltage
1 – Ground (Ignition switch ON)	Battery positive voltage
2 – Ground (Ignition switch LOCK)	No voltage
2 – Ground (Ignition switch ACC or ON)	Battery positive voltage
SLIDING ROOF CONTROL ASSEMBLY	
5 – Ground (Constant)	Battery positive voltage
8 – Ground (Ignition switch LOCK or ACC)	No voltage
8 – Ground (Ignition switch ON)	Battery positive voltage
POWER MIRROR SWITCH	
4 – Ground (Ignition switch LOCK)	No voltage
4 – Ground (Ignition switch ACC or ON)	Battery positive voltage
POWER AMPLIFIER	
A2 – Ground (Ignition switch LOCK and radio switch ON)	No voltage
A3 – Ground (Constant)	Battery positive voltage
A9 – Ground (Ignition switch LOCK and radio switch ON)	No voltage
B7 – Ground (Constant)	Battery positive voltage
B16 – Ground (Constant)	Battery positive voltage

2002 LAND CRUISER (RM893U)

RADIO RECEIVER	
A4 – Ground (Constant)	Battery positive voltage
B5 – Ground (Constant)	Battery positive voltage
A3 – Ground (Ignition switch LOCK)	No voltage
A3 – Ground (Ignition switch ACC or ON)	Battery positive voltage
B12 – Ground (Ignition switch LOCK)	No voltage
B12 – Ground (Ignition switch ACC or ON)	Battery positive voltage
ANTENNA MOTOR CONTROL RELAY	
4 – Ground (Constant)	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