BODY ELECTRICAL

SERVICE DATA

S804Y-02

INTEGRATION RELAY (Relay circuit)	
(Junction Block Side)	
4 – Ground (Light control switch OFF)	No voltage
4 – Ground (Light control switch ON)	Battery voltage
6 – Ground (Ignition switch LOCK or ACC)	No voltage
6 – Ground (Ignition switch ON)	Battery voltage
8 – Ground (Ignition switch LOCK)	No voltage
8 – Ground (Ignition switch ACC or ON)	Battery voltage
11 – Ground (Constant)	Battery voltage
12 – Ground (Constant)	Battery voltage
(Wire Harness Side)	
A12 – Ground (Constant)	Battery voltage
DAYTIME RUNNING LIGHT RELAY	
(Wire Harness Side)	
2 – Ground (Constant)	Battery voltage
4 – Ground (Constant)	Battery voltage
6 – Ground (Ignition switch LOCK or ACC)	No voltage
6 – Ground (Ignition switch ON)	Battery voltage
7 – Ground (Constant)	No voltage
7 – Ground (Ground terminal 2)	Battery voltage
9 – Ground (Constant)	Battery voltage
12 – Ground (Constant)	No voltage
12 – Ground (Ground terminal 4)	Battery voltage
13 – Ground (Engine stop)	No voltage
13 – Ground (Engine running)	Battery voltage
DIM–DIP LIGHT CONTROL RELAY	
(Wire Harness Side)	
5 – Ground (Ignition switch LOCK or ACC)	No voltage
5 – Ground (Ignition switch ON)	Battery voltage
10 – Ground (Constant)	Battery voltage
11 – Ground (Constant)	Battery voltage
TURN SIGNAL FLASHER	
Flashes / Minute	60 – 120
SPEEDOMETER (USING A SPEEDOMETER TESTER)	
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

Standard indication (mph)	Allowable range (mph)
20	18 – 24
40	38 – 44
60	58 – 66
80	78 – 88
100	98 – 110
120	118 – 132
TACHOMETER (ON–VEHICLE)	DC 13.5 V 20°C (68°F)
Standard indication (rpm)	Allowable range (rpm)
700	610 – 750
3,000	2,850 – 3,150
5,000	4,850 – 5,150
7,000	6,790 – 7,120
FUEL RECEIVER GAUGE (w/ Tachometer)	
Between terminals	Resistance Ω
A – B	Approx. 149
A – C	Approx. 252
B – C	Approx. 103
FUEL RECEIVER GAUGE (w/o Tachometer)	
Between terminals	Resistance Ω
A – B	Approx. 272.8
A – C	Approx. 171.2
B – C	Approx. 101.6
FUEL SENDER GAUGE (55L)	
Float position: mm (in.)	Resistance Ω
F Approx. 86 (3.386) – 91 (3.583)	Approx. 1 – 4
1/2 Approx. 206.9 (8.146)	Approx. 29.5 – 35.5
E Approx. 297.7 (11.720) – 302.7 (11.917)	Approx. 105 – 115
FUEL SENDER GAUGE (66L)	
Float position: mm (in.)	Resistance Ω
F Approx. 94.3 (3.713) – 99.3 (3.909)	Approx. 1 – 4
1/2 Approx. 216.5 (8.524)	Approx. 29.5 – 35.5
E Approx. 292.4 (11.512) – 297.4 (11.709)	Approx. 105 – 115
FUEL SENDER GAUGE (69L)	
Float position: mm (in.)	Resistance Ω
F Approx. 89.3 (3.516) – 94.3 (3.713)	Approx. 1 – 4
1/2 Approx. 218.4 (8.598)	Approx. 29.5 – 35.5
E Approx. 294 (11.575) – 299 (11.772)	Approx. 105 – 115
FUEL SENDER GAUGE (77L)	
Float position: mm (in.)	Resistance Ω
F Approx. 98.5 (3.878) – 103.5 (4.075)	Approx. 1 – 4
1/2 Approx. 222.7 (8.768)	Approx. 29.5 – 35.5
E Approx. 320.9 (12.634) – 325.9 (12.831)	Approx. 105 – 115
PICK–UP SENSOR (Diesel Engine)	at 20°C
Between terminals	Resistance Ω
1 – 2	810 ± 160

WATER TEMPERATURE GAUGE (w/ Tachometer)	
Between terminals	Resistance Ω
A – B	Approx. 235.0
A – C	Approx. 175.0
B – C	Approx. 90.0
WATER TEMPERATURE GAUGE (w/o Tachometer)	
Between terminals	Resistance Ω
A – B	Approx. 175.7
A – C	Approx. 54.0
B – C	Approx. 229.7
ANTENNA MOTOR CONTROL RELAY (Wire harness side)	
Tester connection	Specified condition
1 – Ground (Constant)	Battery positive voltage
4 – Ground (Ignition switch position: LOCK or ACC)	No voltage
4 – Ground (Ignition switch position: ON)	Battery positive voltage
5 – Ground (Ignition Switch position: LOCK)	No voltage
5 – Ground (Ignition Switch position: ACC or ON) (Radio switch of cassette ON)	Battery positive voltage
7 – Ground (Ignition switch position: LOCK)	No voltage
7 – Ground (Ignition switch position: ACC or ON) (Radio switch OFF or cassette ON)	No voltage
8 – Ground (Ignition switch position: ACC or ON) (Radio switch ON and cassette OFF)	Battery positive voltage
8 – Ground (Ignition switch position: LOCK or ACC)	No voltage
8 – Ground (Ignition switch position: ON)	Battery positive voltage