

# BODY ELECTRICAL

## SERVICE DATA

SS0CN-07

|                                                           |                          |
|-----------------------------------------------------------|--------------------------|
| 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 (Wire Harness Side)        |                          |
| 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 (Wire Harness Side)                   |                          |
| 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 ( $\Omega$ )  |
| A – B                                                     | 160 $\Omega$             |
| C – D                                                     | 160 $\Omega$             |
| 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            |

2000 LEXUS LX470 (RM745U)

|                                                       |                          |
|-------------------------------------------------------|--------------------------|
| 3,000                                                 | 2,793 – 3,093            |
| 4,000                                                 | 3,775 – 4,075            |
| 5,000                                                 | 4,756 – 5,056            |
| 6,000                                                 | 5,707 – 6,067            |
| Tachometer                                            | Resistance ( $\Omega$ )  |
| A – B                                                 | 160 $\Omega$             |
| C – D                                                 | 160 $\Omega$             |
| Voltmeter                                             | Resistance ( $\Omega$ )  |
| A – B                                                 | 160 $\Omega$             |
| C – D                                                 | 160 $\Omega$             |
| FUEL RECEIVER GAUGE                                   | Resistance ( $\Omega$ )  |
| A – B                                                 | 160 $\Omega$             |
| C – D                                                 | 160 $\Omega$             |
| FUEL SENDER GAUGE                                     |                          |
| Float position mm (in.)                               | Resistance ( $\Omega$ )  |
| F: Approx. 85.3 (3.36)                                | Approx. 0.30 $\pm$ 0.1   |
| 1/2: Approx. 1.7 (0.67)                               | Approx. 2.45 $\pm$ 0.1   |
| E: Approx. 91.9 (3.62)                                | Approx. 4.60 $\pm$ 0.1   |
| ENGINE COOLANT TEMPERATURE RECEIVER GAUGE             | Resistance ( $\Omega$ )  |
| A – B                                                 | 160 $\Omega$             |
| C – D                                                 | 160 $\Omega$             |
| ENGINE COOLANT TEMPERATURE SENDER GAUGE               |                          |
| Temperature $^{\circ}\text{C}$ ( $^{\circ}\text{F}$ ) | Resistance ( $\Omega$ )  |
| 50 (122.0)                                            | 160 – 240 $\Omega$       |
| 120 (248.0)                                           | 17.1 – 21.2 $\Omega$     |
| OIL PRESSURE GAUGE                                    | Resistance ( $\Omega$ )  |
| A – B                                                 | 160 $\Omega$             |
| C – D                                                 | 160 $\Omega$             |
| 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 |
| RADIO RECEIVER                                        |                          |
| 10 – Ground (Ignition switch LOCK)                    | No voltage               |
| 10 – Ground (Ignition switch ACC or ON)               | Battery positive voltage |
| POWER AMPLIFIER                                       |                          |
| A2 – Ground (Constant)                                | Battery positive voltage |

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## SERVICE SPECIFICATIONS – BODY ELECTRICAL

|                                                             |                          |
|-------------------------------------------------------------|--------------------------|
| A5 – Ground (Constant)                                      | Battery positive voltage |
| A6 – Ground (Ignition switch LOCK and radio switch ON)      | No voltage               |
| A6 – Ground (Ignition switch ACC or ON and radio switch 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 |
| GARAGE DOOR OPENER SWITCH                                   |                          |
| 2 – Ground (Constant)                                       | Battery positive voltage |