2. Basic Diagnostics Procedures
The most important purpose of diagnostics is to determine which part is malfunctioning quickly, to save time and labor.

A: IDENTIFICATION OF TROUBLE SYMPTOM
Determine what the problem is based on the symptom.

B: PROBABLE CAUSE OF TROUBLE
Look at the wiring diagram and check the system’s circuit. Then check the switch, relay, fuse, ground, etc.

C: LOCATION AND REPAIR OF TROUBLE
1) Using the diagnostics narrow down the causes.
2) If necessary, use a voltmeter, ohmmeter, etc.
3) Before replacing certain component parts (switch, relay, etc.), check the power supply, ground, for open wiring harness, poor connectors, etc. If no problems are encountered, check the component parts.

D: CONFIRMATION OF SYSTEM OPERATION
After repairing, ensure that the system operates properly.

---

E: INSPECTION
1. VOLTAGE MEASUREMENT
1) Using a voltmeter, connect the negative lead to a good ground point or negative battery terminal and the positive lead to the connector or component terminal.
2) Contact the positive probe of the voltmeter on connector (A). The voltmeter will indicate a voltage.
3) Shift the positive probe to connector (B). The voltmeter will indicate no voltage.
With test set-up held as it is, turn switch ON. The voltmeter will indicate a voltage and, at the same time, the light will come on.
4) The circuit is in good order. If a problem such as a lamp failing to light occurs, use the procedures outlined above to track down the malfunction.
2. CIRCUIT CONTINUITY CHECKS

1) Disconnect the battery terminal or connector so there is no voltage between the check points. Contact the two leads of an ohmmeter to each of the check points. If the circuit has diodes, reverse the two leads and check again.

2) Use an ohmmeter to check for diode continuity. When contacting the negative lead to the diode positive side and the positive lead to the negative side, there should be continuity. When contacting the two leads in reverse, there should be no continuity.

3) Symbol “o—o” indicates that continuity exists between two points or terminals. For example, when a switch position is “3”, continuity exists among terminals 1, 3 and 6, as shown in table below.

```
<table>
<thead>
<tr>
<th>Switch Position</th>
<th>Terminal 1</th>
<th>Terminal 2</th>
<th>Terminal 3</th>
<th>Terminal 4</th>
<th>Terminal 5</th>
<th>Terminal 6</th>
</tr>
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<tbody>
<tr>
<td>OFF</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>o</td>
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<td></td>
<td></td>
<td></td>
<td>o</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>o</td>
<td></td>
<td>o</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td>o</td>
<td></td>
<td>o</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td>o</td>
<td></td>
<td>o</td>
</tr>
</tbody>
</table>
```
3. HOW TO DETERMINE AN OPEN CIRCUIT

1) Voltmeter method
An open circuit is determined by measuring the voltage between respective connectors and ground using a voltmeter, starting with the connector closest to the power supply. The power supply must be turned ON so that current flows in the circuit. If voltage is not present between a particular connector and ground, the circuit between that connector and the previous connector is open.

2) Ohmmeter method
Disconnect all connectors affected, and check continuity in the wiring between adjacent connectors. When the ohmmeter indicates “infinite”, the wiring is open.

4. HOW TO DETERMINE A SHORT-CIRCUIT

1) Test lamp method
Connect a test lamp (rated at approximately 3 watts) in place of the blown fuse and allow current to flow through the circuit. Disconnect one connector at a time from the circuit, starting with the one located farthest from the power supply. If the test lamp goes out when a connector is disconnected, the wiring between that connection and the next connector (farther from the power supply) is shorted.

2) Ohmmeter method
Disconnect all affected connectors, and check continuity between each connector and ground. When ohmmeter indicates continuity between a particular connector and ground, that connector is shorted.
3. Working Precautions

1. PRECAUTIONS WHEN WORKING WITH THE PARTS MOUNTED ON THE VEHICLE

1) When working under a vehicle which is jacked-up, always be sure to use safety stands.
2) The parking brake must always be applied during working. Also, in automatic transmission vehicles, keep the select lever set to the P (Parking) range.
3) Be sure the workshop is properly ventilated when running the engine. Further, be careful not to touch the belt or fan while the engine is operating.
4) Be careful not to touch hot metal parts, especially the radiator and exhaust system immediately after the engine has been shut off.

2. PRECAUTIONS IN TROUBLE DIAGNOSIS AND REPAIR OF ELECTRIC PARTS

1) The battery cable must be disconnected from the battery’s (−) terminal, and the ignition switch must be set to the OFF position, unless otherwise required by the diagnostics.
2) Securely fasten the wiring harness with clamps and slips so that the harness does not interfere with the body end parts or edges and bolts or screws.
3) When installing parts, be careful not to catch them on the wiring harness.

4) When disconnecting a connector, do not pull the wires, but pull while holding the connector body.
5) Some connectors are provided with a lock. One type of such a connector is disconnected by pushing the lock, and the other, by moving the lock up. In either type the lock shape must be identified before attempting to disconnect the connector. To connect, insert the connector until it snaps and confirm that it is tightly connected.

6) When checking continuity between connector terminals, or measuring voltage across the terminal and ground, always contact tester probe(s) on terminals from the wiring connection side. If the probe is too thick to gain access to the terminal, use “mini” test leads. To check water-proof connectors (which are not accessible from the wiring side), contact test probes on the terminal side being careful not to bend or damage the terminals.

7) Sensors, relays, electrical unit, etc., are sensitive to strong impacts. Handle them with care so that they are not dropped or mishandled.
4. How to Use Wiring Diagram

A: RELAY
A symbol used to indicate a relay.

B: CONNECTOR-1
The sketch of the connector indicates the one-pole types.

C: WIRING CONNECTION
Some wiring diagrams are indicated in foldouts for convenience. Wiring destinations are indicated where necessary by corresponding symbols (as when two pages are needed for clear indication).

D: FUSE No. & RATING
The “FUSE No. & RATING” corresponds that used in the fuse box (main fuse box, and joint box).

E: CONNECTOR-2
1. Each connector is indicated by a symbol.
2. Each terminal number is indicated in the corresponding wiring diagram in an abbreviated form.
3. For example, terminal number “C2” refers to No. 2 terminal of connector (C:F41) shown in the connector sketch.
F: CONNECTOR SKETCH
1. Each connector sketch clearly identifies the shape and color of a connector as well as terminal locations. Non-colored connectors are indicated in natural color.
2. When more than two types of connector number are indicated in a connector sketch, it means that the same type connectors are used.

G: GROUND
Each grounding point can be located easily by referring to the corresponding wiring harness.

H: DIODE
A symbol is used to indicate a diode.

I: WIRE TRACING ON EXTENDED WIRING DIAGRAMS
For a wiring diagram extending over at least two pages, a symbol (consisting of the same characters with arrows), as shown below, facilitates wire tracing from one page to the next.
A ↔ A, B ↔ B

J: SYMBOLS OF WIRE CONNECTION AND CROSSING
† Symbol  Refers to wires which are connected and branched at the “dot” point.
‡ Symbol  Refers to wires which are crossed but not connected.

K: POWER SUPPLY ROUTING
A symbol is used to indicate the power supply in each wiring diagram. “MB-5”, “MB-6”, etc., which are used as power supply symbols throughout the text, correspond with those shown in the POWER SUPPLY ROUTING in the wiring diagram.
Accordingly, using the POWER SUPPLY ROUTING and wiring diagrams permits service personnel to understand the entire electrical arrangement of a system.

L: S.M.J.
A symbol is used to indicate the terminal arrangement of the super multiple junction. The S.M.J. is not shown in respective wiring diagrams but is indicated on the next page.

SYMBOLS AND ABBREVIATIONS
A number of symbols and abbreviations are used in each wiring diagram to easily identify parts or circuits.
5. How to Use Super Multiple Junction (S.M.J.)

The “S.M.J.” indicated in wiring diagrams is shown in a simplified form.

TERMINAL ARRANGEMENT

- LHD model

![Bulkhead wiring harness → Floor wiring harness](image)

- RHD model

![Bulkhead wiring harness → Rear wiring harness](image)
INSTALLATION

Tightening torque:
4.4 — 7.4 N ⋅m (45 — 75 kg-cm, 39 — 65 in-lb)

NOTE:
- Align the cutout portion of one connector with that of other before tightening the connecting bolt.
- Do not tighten the bolt excessively since this may deform the connectors.

EXPLANATION OF S.M.J. SHOWN IN THE WIRING DIAGRAM
# ABBREVIATION LIST

<table>
<thead>
<tr>
<th>Abbr.</th>
<th>Full name</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.B.S.</td>
<td>Antilock Brake System</td>
</tr>
<tr>
<td>ACC</td>
<td>Accessory</td>
</tr>
<tr>
<td>A/C</td>
<td>Air Conditioning</td>
</tr>
<tr>
<td>AD</td>
<td>Auto Down</td>
</tr>
<tr>
<td>AT</td>
<td>Automatic Transmission</td>
</tr>
<tr>
<td>AU</td>
<td>Auto Up</td>
</tr>
<tr>
<td>+B</td>
<td>Battery</td>
</tr>
<tr>
<td>DN</td>
<td>Down</td>
</tr>
<tr>
<td>DRL</td>
<td>Daytime Running Light</td>
</tr>
<tr>
<td>E</td>
<td>Ground</td>
</tr>
<tr>
<td>F/B</td>
<td>Fuse &amp; Joint Box</td>
</tr>
<tr>
<td>FL1.5</td>
<td>Fusible link 1.5 mm²</td>
</tr>
<tr>
<td>IG</td>
<td>Ignition</td>
</tr>
<tr>
<td>Illumi.</td>
<td>Illumination</td>
</tr>
<tr>
<td>LH</td>
<td>Left Hand</td>
</tr>
<tr>
<td>Lo</td>
<td>Low</td>
</tr>
<tr>
<td>M</td>
<td>Motor</td>
</tr>
<tr>
<td>M/B</td>
<td>Main Fuse Box</td>
</tr>
<tr>
<td>MG</td>
<td>Magnet</td>
</tr>
<tr>
<td>Mi</td>
<td>Middle</td>
</tr>
<tr>
<td>OP</td>
<td>Optional Parts</td>
</tr>
<tr>
<td>PASS</td>
<td>Passing</td>
</tr>
<tr>
<td>RH</td>
<td>Right Hand</td>
</tr>
<tr>
<td>SBF</td>
<td>Slow Blow Fuse</td>
</tr>
<tr>
<td>S.M.J.</td>
<td>Super Multiple Junction</td>
</tr>
<tr>
<td>ST</td>
<td>Starter</td>
</tr>
<tr>
<td>SW</td>
<td>Switch</td>
</tr>
<tr>
<td>T.C.S.</td>
<td>Traction Control System</td>
</tr>
<tr>
<td>UP</td>
<td>Up</td>
</tr>
<tr>
<td>WASH</td>
<td>Washer</td>
</tr>
</tbody>
</table>
6. Wiring Diagram

1. POWER SUPPLY ROUTING

- LHD model

- Battery current
- Current from ignition switch IG terminal
- Current from ignition switch ACC terminal
- Other currents

*RB: With security system
R: Without security system

Main fuse box (M/B)

SBF-5 45A
SBF-4 45A
SBF-3 45A
SBF-1 30A
SBF-2 30A
FL 1 25B

Headlight relay LH
No. 22 15A
No. 23 20A
No. 24 15A
No. 26 15A
No. 25 15A

Headlight relay RH

F16
3 L
4 L
1 BY
2 BR

F17
2 BW
1 R

F18

F19

MB-1
MB-2
MB-3
MB-4

MB-5

MB-6
MB-7
MB-8
MB-9
MB-10

F14

SBF-6
F15

Generator

F10

F11

F12

F13

F14

F15

F16

F17

F18

F19

F20

F21

F22

F23

F24

F25

F26

45A
SBF-6
30A
SBF-7

SBF-6

SBF-7

ALT-1

5 W
6 W
7 W
8 W
9 W
10 W

4 W
3 W
2 W
1 W

F26 (Black)
F21 (Black)
F20 (Grey)
F19 (Black)
F18 (Black)
F17 (Black)
F16 (Black)
F15 (Black)
F14 (Black)

<table>
<thead>
<tr>
<th>No.</th>
<th>Load</th>
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</thead>
<tbody>
<tr>
<td>MB-1</td>
<td>Fuse holder (Rear power supply)</td>
</tr>
<tr>
<td>MB-2</td>
<td>Power window circuit breaker</td>
</tr>
<tr>
<td>MB-3</td>
<td>Engine control module</td>
</tr>
<tr>
<td></td>
<td>Fuel pump relay</td>
</tr>
<tr>
<td></td>
<td>Main relay</td>
</tr>
<tr>
<td></td>
<td>OBD-II service connector</td>
</tr>
<tr>
<td>MB-4</td>
<td>A/C relay holder</td>
</tr>
<tr>
<td>MB-5</td>
<td>Headlight alarm relay (with security)</td>
</tr>
<tr>
<td>MB-6</td>
<td>Headlight LH</td>
</tr>
<tr>
<td>MB-7</td>
<td>Combination meter</td>
</tr>
<tr>
<td></td>
<td>Daytime running light control module</td>
</tr>
<tr>
<td></td>
<td>Diode (Lighting)</td>
</tr>
<tr>
<td></td>
<td>Diode (Security)</td>
</tr>
<tr>
<td></td>
<td>Lighting switch</td>
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<tr>
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<td>Luggage room light</td>
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<td>Room light</td>
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<tr>
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<td>Step light</td>
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<td>Trunk room light</td>
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<tr>
<td>MB-8</td>
<td>Combination meter</td>
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<tr>
<td></td>
<td>Front fog light switch</td>
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<td>Headlight RH</td>
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<tr>
<td>MB-9</td>
<td>Door lock timer</td>
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<tr>
<td></td>
<td>Headlight alarm relay</td>
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<td></td>
<td>Interrupt relay</td>
</tr>
<tr>
<td></td>
<td>Radio</td>
</tr>
<tr>
<td></td>
<td>Security control module</td>
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<tr>
<td></td>
<td>Security indicator light</td>
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<td>Spot light</td>
</tr>
<tr>
<td>MB-10</td>
<td>A/C relay holder</td>
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<tr>
<td>SBF-6</td>
<td>Hydraulic unit (A.B.S.)</td>
</tr>
<tr>
<td></td>
<td>T.C.S. motor relay</td>
</tr>
<tr>
<td>SBF-7</td>
<td>T.C.S. valve relay</td>
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<td>ALT-1</td>
<td>Combination meter</td>
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<td></td>
<td>Daytime running light control module</td>
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<tr>
<td>IG</td>
<td>Headlight alarm relay</td>
</tr>
<tr>
<td>ST</td>
<td>Cruise control module</td>
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<td></td>
<td>Engine control module</td>
</tr>
<tr>
<td></td>
<td>Inhibitor switch (AT)</td>
</tr>
<tr>
<td></td>
<td>Interrupt relay</td>
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<td></td>
<td>Starter interlock relay (MT)</td>
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<tr>
<td>FB-1</td>
<td>Front washer motor</td>
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<td>Rear washer motor</td>
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<td>FB-2</td>
<td>Diode (A/C)</td>
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<td>Sub fan motor</td>
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<td>Sub fan relay-2</td>
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<td>Transmission control module</td>
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<td>FB-5</td>
<td>Hydraulic unit (A.B.S.)</td>
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<tr>
<td></td>
<td>Side marker light LH</td>
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<tr>
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<td>Side marker light RH</td>
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<thead>
<tr>
<th>No.</th>
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<tr>
<td>FB-7</td>
<td>Door lock timer</td>
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<td>FB-9</td>
<td>Hazard switch</td>
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<td>FB-10</td>
<td>AT shift lock control module</td>
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<td></td>
<td>Key warning switch</td>
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<tr>
<td></td>
<td>Power antenna</td>
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<td>FB-11</td>
<td>Radio</td>
</tr>
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<td>FB-12</td>
<td>Cigarette lighter</td>
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<td>FB-13</td>
<td>Remote control rearview mirror switch</td>
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<td></td>
<td>Security control module</td>
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<td>Vanity mirror illumination light</td>
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<td>FB-14</td>
<td>AT shift lock control module</td>
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<td></td>
<td>Combination switch</td>
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<td>Front wiper motor</td>
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<tr>
<td></td>
<td>Rear wiper relay</td>
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<td>FB-15</td>
<td>A.B.S./T.C.S. control module</td>
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<td>Transmission control module</td>
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<td>FB-16</td>
<td>Rear defogger</td>
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<td>Rear defogger condenser</td>
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<td></td>
<td>Rear defogger switch</td>
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<tr>
<td>FB-17</td>
<td>Rear defogger switch</td>
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<td>FB-18</td>
<td>AT shift lock control module</td>
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<td></td>
<td>Back-up light switch (MT)</td>
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<td></td>
<td>Inhibitor switch (AT)</td>
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<tr>
<td>FB-19</td>
<td>Hazard switch</td>
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<tr>
<td>FB-20</td>
<td>A/C switch</td>
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<td></td>
<td>Combination meter</td>
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<td></td>
<td>Mode control panel</td>
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<td>T.C.S. off switch</td>
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<td>FB-21</td>
<td>Combination meter (Airbag)</td>
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<td>FB-22</td>
<td>Blower motor relay</td>
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<td></td>
<td>Check connector</td>
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<td></td>
<td>Daytime running light control module</td>
</tr>
<tr>
<td></td>
<td>Hi-beam relay</td>
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<td></td>
<td>FRESH/RECIRC actuator</td>
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<td>Power antenna</td>
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<td>Seat belt timer</td>
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<td>FB-23</td>
<td>Airbag control module</td>
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<td>FB-24</td>
<td>Airbag control module</td>
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<td>FB-25</td>
<td>Lighting switch</td>
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<tr>
<td>FB-26</td>
<td>Parking switch</td>
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<td>FB-27</td>
<td>Parking switch</td>
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<td>FB-28</td>
<td>Illumination light</td>
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<td>FB-29</td>
<td>Illumination light</td>
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<td>FB-30</td>
<td>Pedal stroke sensor</td>
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<td>Stop light switch</td>
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<td>Stop &amp; brake switch</td>
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<td>FB-31</td>
<td>Horn relay</td>
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<td>FB-32</td>
<td>Blower motor relay</td>
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<td>FB-33</td>
<td>Parking switch</td>
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<tr>
<td>No.</td>
<td>Load</td>
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<tr>
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</tbody>
</table>
| FB-34 | Rear combination light LH  
Rear combination light RH  
Rear finisher light LH  
Rear finisher light RH  |
| FB-35 | A.B.S. control module  
A.B.S. G sensor  
A.B.S./T.C.S. control module  
A.B.S./T.C.S. valve relay  
Cruise control main switch  
Cruise control module  |
| FB-36 | Front fog light relay  |
1. POWER SUPPLY ROUTING

- RHD model

Battery current
- Current from ignition switch IG terminal
- Current from ignition switch ACC terminal
- Other currents

Main fuse box (M/B)

FUSE/RELAY LOCATION

A/C relay holder

Generator

M/B

F/B

([Diagram of wiring connections and fuse/relay locations])

BUR01-01A
<table>
<thead>
<tr>
<th>No.</th>
<th>Load</th>
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</thead>
<tbody>
<tr>
<td>MB-2</td>
<td>Power window circuit breaker</td>
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<tr>
<td>MB-3</td>
<td>Engine control module&lt;br&gt;Fuel pump relay&lt;br&gt;Main relay&lt;br&gt;OBD-II service connector</td>
</tr>
<tr>
<td>MB-6</td>
<td>Headlight LH</td>
</tr>
<tr>
<td>MB-7</td>
<td>Diode (Lighting)&lt;br&gt;Lighting switch</td>
</tr>
<tr>
<td>MB-8</td>
<td>Combination meter&lt;br&gt;Headlight RH</td>
</tr>
<tr>
<td>MB-9</td>
<td>Combination meter&lt;br&gt;Door lock timer&lt;br&gt;Luggage room light&lt;br&gt;Radio&lt;br&gt;Room light</td>
</tr>
<tr>
<td>MB-10</td>
<td>A/C relay holder</td>
</tr>
<tr>
<td>ALT-1</td>
<td>Combination meter</td>
</tr>
<tr>
<td>IG</td>
<td>A/C relay holder</td>
</tr>
<tr>
<td>ST</td>
<td>Cruise control module&lt;br&gt;Engine control module&lt;br&gt;Inhibitor switch</td>
</tr>
<tr>
<td>FB-2</td>
<td>Diode (A/C)</td>
</tr>
<tr>
<td>FB-3</td>
<td>Sub fan motor&lt;br&gt;Sub fan relay-2</td>
</tr>
<tr>
<td>FB-4</td>
<td>Engine control module&lt;br&gt;Fuel pump relay&lt;br&gt;Ignition coil&lt;br&gt;Transmission control module</td>
</tr>
<tr>
<td>FB-6</td>
<td>Side marker light LH&lt;br&gt;Side marker light RH</td>
</tr>
<tr>
<td>FB-7</td>
<td>Door lock timer</td>
</tr>
<tr>
<td>FB-9</td>
<td>Hazard switch</td>
</tr>
<tr>
<td>FB-10</td>
<td>AT shift lock control module&lt;br&gt;Key warning switch&lt;br&gt;Power antenna</td>
</tr>
<tr>
<td>FB-11</td>
<td>Radio</td>
</tr>
<tr>
<td>FB-12</td>
<td>Cigarette lighter</td>
</tr>
<tr>
<td>FB-13</td>
<td>Remote control rearview mirror switch</td>
</tr>
<tr>
<td>FB-14</td>
<td>AT shift lock control module&lt;br&gt;Combination switch&lt;br&gt;Front washer motor&lt;br&gt;Front wiper motor&lt;br&gt;Rear washer motor&lt;br&gt;Rear wiper motor&lt;br&gt;Rear wiper relay</td>
</tr>
<tr>
<td>FB-15</td>
<td>Transmission control module</td>
</tr>
<tr>
<td>FB-16</td>
<td>Rear defogger&lt;br&gt;Rear defogger condenser&lt;br&gt;Rear defogger switch</td>
</tr>
<tr>
<td>FB-17</td>
<td>Rear defogger switch</td>
</tr>
<tr>
<td>FB-18</td>
<td>AT shift lock control module&lt;br&gt;Inhibitor switch</td>
</tr>
<tr>
<td>FB-19</td>
<td>Hazard switch</td>
</tr>
<tr>
<td>FB-20</td>
<td>Combination meter&lt;br&gt;Mode control panel</td>
</tr>
<tr>
<td>FB-21</td>
<td>Combination meter (Airbag)</td>
</tr>
<tr>
<td>FB-22</td>
<td>Blower motor relay&lt;br&gt;Check connector&lt;br&gt;FRESH/RECIRC actuator&lt;br&gt;Mode actuator&lt;br&gt;Power window relay&lt;br&gt;Seat belt timer</td>
</tr>
<tr>
<td>FB-23</td>
<td>Airbag control module</td>
</tr>
<tr>
<td>FB-24</td>
<td>Airbag control module</td>
</tr>
<tr>
<td>FB-25</td>
<td>Lighting switch</td>
</tr>
<tr>
<td>FB-26</td>
<td>Parking switch</td>
</tr>
<tr>
<td>FB-27</td>
<td>Parking switch</td>
</tr>
<tr>
<td>FB-28</td>
<td>Illumination light</td>
</tr>
<tr>
<td>FB-29</td>
<td>Illumination light</td>
</tr>
<tr>
<td>FB-30</td>
<td>Stop light switch&lt;br&gt;Stop &amp; brake switch</td>
</tr>
<tr>
<td>FB-31</td>
<td>Horn relay</td>
</tr>
<tr>
<td>FB-32</td>
<td>Blower motor relay</td>
</tr>
<tr>
<td>FB-33</td>
<td>Parking switch</td>
</tr>
<tr>
<td>FB-34</td>
<td>License plate light LH&lt;br&gt;License plate light RH&lt;br&gt;Rear combination light LH&lt;br&gt;Rear combination light RH&lt;br&gt;Rear finisher light LH&lt;br&gt;Rear finisher light RH</td>
</tr>
<tr>
<td>FB-35</td>
<td>Cruise control main switch&lt;br&gt;Cruise control module</td>
</tr>
</tbody>
</table>
2. GROUND DISTRIBUTION

- LHD model
2. GROUND DISTRIBUTION

- RHD model

WIRING DIAGRAM
WIRING DIAGRAM

6. Wiring Diagram

[Diagram of wiring connections with labels for various components such as door lock module, cruise control module, SRS harness, S.M.J. (Refer to foldout page), front wiper motor, FWD switch, brake fluid level switch, rear finisher light LH, rear finisher light RH, high-mount stop light, rear gate lock actuator, rear defogger, etc.]

[Legend for wire colors: (Black), (Brown), (Black), (Gray), (Gray), (Black), (Black), (Black), (Black), (Yellow), (Black), (Brown), (Black)]
3. AIR CONDITIONING SYSTEM

- LHD model

WIRING DIAGRAM

31
3. AIR CONDITIONING SYSTEM

- RHD model

![Wiring Diagram](image-url)
4. ANTI-LOCK BRAKE SYSTEM

To Power Supply Routing

<table>
<thead>
<tr>
<th>FB-5</th>
<th>SBF-6</th>
<th>FB-22</th>
<th>FB-35</th>
<th>FB-30</th>
<th>FB-20</th>
</tr>
</thead>
<tbody>
<tr>
<td>FUSE No. 19</td>
<td>FUSE Holder</td>
<td>FUSE No. 15</td>
<td>FUSE No. 18</td>
<td>FUSE No. 12</td>
<td>FUSE No. 15</td>
</tr>
</tbody>
</table>

Combination meter

A. B. S.

Stop light switch

* With cruise control

Check connector

Hydraulic unit

Transmission control module

(B) (R) (B) | (B) (R) (B) | (B) (R) (B) | (B) (R) (B) |

12 12 12 12

3 4 3 4

81 81 81 81

12345678910111213

12345678910111213

12345678910111213

12345678910111213

81 81 81 81

12345678910111213

12345678910111213

12345678910111213

BU82-01A
5. AT CONTROL SYSTEM

- LHD model

- With cruise control
- With traction control

Stop light switch

Combination meter

Speedometer circuit

Inhibitor switch

To Power Supply Routing

- FB-20 FUSE No. 15
- FB-4 FUSE No. 16
- FB-15 FUSE No. 14
- FB-22 FUSE No. 15
- FB-30 FUSE No. 12

- *1
- *2

Diagnosis terminal

Diagnosis connector

Ref. to Back-up light system.
Ref. to Starting system.

*3 With security system : LW
Without security system : LR

 BU41-02A
5. AT CONTROL SYSTEM

- RHD model

To Power Supply Routing

<table>
<thead>
<tr>
<th>FB-20</th>
<th>FB-4</th>
<th>FB-15</th>
<th>FB-22</th>
<th>FB-30</th>
</tr>
</thead>
<tbody>
<tr>
<td>FUSE No. 15</td>
<td>FUSE No. 16</td>
<td>FUSE No. 14</td>
<td>FUSE No. 15</td>
<td>FUSE No. 12</td>
</tr>
</tbody>
</table>

*1: With cruise control

Diagnosis terminal

Diagnosis connector

Stop light switch

Combination meter

Speedometer circuit

FWD

AT OIL TEMP

Inhibitor switch

Ref. to Back-up light system

Ref. to Starting system

(B64, Black) (B65, Black) (B82, Black) (Gray) (B12) (B21, Light gray) (I14)

123456

12345

1234569

123456910111213141516171819202122

B64 (Black) B65 (Black) B82 (Black) (Gray) B12 B21 (Light gray) I14

110 (Light gray) F45 I4 (Blue)

12345

12345678910111213141516171819202122

BUR41-01A
6. AT SHIFT LOCK SYSTEM

- LHD model

<table>
<thead>
<tr>
<th>To Power Supply Routing</th>
</tr>
</thead>
<tbody>
<tr>
<td>FB-30</td>
</tr>
<tr>
<td>FB-18</td>
</tr>
<tr>
<td>FB-14</td>
</tr>
<tr>
<td>FB-10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fuse No.</th>
<th>Fuse No.</th>
<th>Fuse No.</th>
<th>Fuse No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>1</td>
<td>2</td>
<td>22</td>
</tr>
</tbody>
</table>

*1 Without cruise control
*2 With cruise control
*3 With traction control
*4 With security : LW
Without security : LR

---

```
BU42-01
LHD model
L50188
6. Wiring Diagram
6-3
```

---

*864* *865* *867*

---

```
PRN 3 2 1

Inhibitor switch

Ref. to transmission control system.
Ref. to Back-up light system.
Ref. to Starting system.

Stop light switch

Key warning switch

Key lock solenoid

AT shift lock control module

Shift lock solenoid

---

```

---

```
R7

P position switch

---

```

---

```
B64 (Black) B73 (Black) B74 (Black) R7 (Black)
B65 (Black) B67 (Black)

---

```

---

```
12 12 1 2

---

```

---

```
B12 (Gray) B67 (Black) B98 (Black) 899

---

```

---

```
1 2 3 4 11

---

```

---

```
1234 5678 9 0 1 1 1 2

---

```

---

```
123456 78901 1 2 3 4 11 22222222

---

```

---

```
BU42-01
39
```
6. AT SHIFT LOCK SYSTEM
- RHD model

To Power Supply Routing

<table>
<thead>
<tr>
<th>FB-30</th>
<th>FB-18</th>
<th>FB-14</th>
<th>FB-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuse No. 12</td>
<td>Fuse No. 1</td>
<td>Fuse No. 2</td>
<td>Fuse No. 22</td>
</tr>
</tbody>
</table>

*1 Without cruise control
*2 With cruise control

Stop light switch

Inhibitor switch

Ref. to AT control system
Ref. to Back-up light system
Ref. to Starting system

Key warning switch

Key lock solenoid

AT shift lock control module

S.M.J. (Refer to foldout page.)

Shift lock solenoid

- B64 (Black) - R7 (Black) - R6 (Black) - B65 (Black) - B67 (Black) - B61 (Gray)
7. AUDIO SYSTEM
- LHD model

To Power Supply Routing

<table>
<thead>
<tr>
<th>FB-10</th>
<th>MB-9</th>
<th>FB-11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuse No. 22</td>
<td>Fuse No. 25</td>
<td>Fuse No. 17</td>
</tr>
</tbody>
</table>

Twisted wire

Radio

Power antenna

Rear door speaker LH (Wagon)

Twisted wire

(Brown) (Brown)

1 | 2 | 12 | 13

F45

12345678910
12345678910
12345678910
12345678910

BU76-01

41
7. AUDIO SYSTEM

- RHD model

<table>
<thead>
<tr>
<th>To Power Supply Routing</th>
<th>FB-10</th>
<th>MB-9</th>
<th>FB-11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuse No. 22</td>
<td></td>
<td></td>
<td>Fuse No. 17</td>
</tr>
<tr>
<td>Fuse No. 25</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[Diagram of wiring connections with labels and arrows indicating the routing of power supply, with notes on fuse placements and color codes.]
8. BACK-UP LIGHT SYSTEM

- LHD model

To Power Supply Routing

FB-1B
RSE No. 1

Ref. to AT control system.

Ref. to Starting system.

*1 With security : LW
Without security : LR

*2 With security : 4
Without security : 3

*3 Sedan : BrY
Wagon : Br
8. BACK-UP LIGHT SYSTEM

- RHD model

To Power Supply Routing
FB-18
FUSE No. 1

Inhibitor Switch

Ref. to
AT
control
system.

Ref. to
Starting
system.

S. M. J.
[Refer to foldout page.]

Back-up light LH

Back-up light RH

BUR29-01
9. CHARGE WARNING SYSTEM

To Power Supply Routing

<table>
<thead>
<tr>
<th>FB-20</th>
<th>ALT-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>FUSE No. 15</td>
<td>Generator</td>
</tr>
</tbody>
</table>

Combination meter

Charge

1 2 3 4 5 6 7 8 9 10 11 12 13

L10 (Light gray)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

L11 (Black)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

BU02-01
12. DOOR LOCK SYSTEM

- LHD model

To Power Supply Routing

<table>
<thead>
<tr>
<th>FB-7</th>
<th>MB-9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuse No. 11</td>
<td>Fuse No. 25</td>
</tr>
</tbody>
</table>

Front door lock actuator (Passenger side)

Rear gate lock actuator (Wagon)

Door lock timer

*1: With security
*2: Without security

Knob-lock switch

Rear door lock actuator RH

Rear door lock actuator LH

DB (Gray)

(Without security)

1 2 3 4

(B90) (Black)

* With security: Gray

F45

842

BU73-01

49
12. DOOR LOCK SYSTEM
- RHD model

To Power Supply Routing

<table>
<thead>
<tr>
<th>FB-7</th>
<th>MB-9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuse No 11</td>
<td>Fuse No 25</td>
</tr>
</tbody>
</table>

Front door lock actuator (Passenger side)

Rear gate lock actuator

Door lock timer

Knob-lock switch

Rear door lock actuator RH

Rear door lock actuator LH

S. M. J. (Refer to foldout page.)
13. ENGINE ELECTRICAL SYSTEM
- LHD model

WIRING DIAGRAM

To Power Supply Routing

- FB-20
- MB-3
- ST
- FB-22
- Fuse No. 15
- Fuse No. 16
- IG SW

Check connector

Combination meter
- Tachometer
- Malfunction indicator lamp
- Speedometer circuit

Main relay

Fuel pump relay

Fuel pump

Inhibitor switch (AT)

Starter interlock relay (MT)

Vehicle speed sensor 2

Ref. to Starting system (With security)
(Without security)

*1 With security system : LW
Without security system : LR

*2 AT : LR
MT : LgB

Neutral position switch (MT)

BU10-02A
6. Wiring Diagram

- Crankshaft position sensor
- Camshaft position sensor
- Fuel injector
- Idle air control solenoid valve
- Purge control solenoid valve
- Engine control module

Color codes:
- E15 (Dark gray)
- E10 (Gray)
- E6 (Light gray)
- E16 (Light gray)
- E17 (Dark gray)
- E4 (Blue)
- E7 (Gray)
- B20 (Light gray)
- B84 (Dark gray)
13. ENGINE ELECTRICAL SYSTEM

- RHD model
14. FRONT FOG LIGHT SYSTEM

To Power Supply Routing

<table>
<thead>
<tr>
<th>MB-6</th>
<th>MB-8</th>
<th>FB-36</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuse No. 24</td>
<td>Fuse No. 28</td>
<td>Fuse No. 6</td>
</tr>
</tbody>
</table>

- Headlight LH
- Headlight RH
- Front fog light LH
- Front fog light RH
- Front fog light relay
- Dimmer and passing switch
- Ref. to Lighting system (Tail & Illum.)
15. FRONT WIPER AND WASHER SYSTEM

- LHD model

To Power Supply Routing

<table>
<thead>
<tr>
<th>FB-1</th>
<th>FB-14</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuse 2</td>
<td>Fuse No. 2</td>
</tr>
</tbody>
</table>

![Wiring Diagram](image-url)
15. FRONT WIPER AND WASHER SYSTEM

- RHD model

To Power Supply Routing

- FB-14
- FUSE No. 2

Combination switch

Washer switch

Front wiper switch

Front wiper motor

B110 (Green)

B8

B70

1 2 3 4 5 6

BUR50-01
16. FUEL GAUGE SYSTEM
- LHD model

To Power Supply Routing
FB-20
FUSE No.15

Combination meter
Low-fuel warning light
Fuel gauge

*1 AWD : 3
FWD : 6
*2 AWD : L
FWD : G

Fuel gauge module
Fuel gauge sub module (AWD)

R59
R15 (Black)
R58
R57
R15

(Light gray)
(Light gray)

1 2
3 4 5 6

1 2 3 4 5 6
6 7 8 9 10 11 12

1 2 3 4 5 6
7 8 9 10 11 12 13

1 2 3 4 5 6
11 12 13 14 15 16

1 2 3 4 5 6
12 13 14 15 16 17 18 19 20 21 22 23 24

BU61-01
16. FUEL GAUGE SYSTEM
   - RHD model

To Power Supply Routing
FB-20
Fuse No 15

Combination meter
Low-fuel warning light
Fuel gauge

Fuel gauge sub module (AWD)
Fuel gauge module

S. M. J.
(Refer to foldout page.)

RS9
R15 (Black)
RS8

(Light gray) RS10
(Right gray) RS12

1234567890

114

13 (Brown)
110
112
114

RS9
R15 (Black)
RS8
17. HORN AND CIGARETTE LIGHTER SYSTEM

- LHD model

<table>
<thead>
<tr>
<th>To Power Supply Routing</th>
</tr>
</thead>
<tbody>
<tr>
<td>FB-31</td>
</tr>
<tr>
<td>FB-12</td>
</tr>
<tr>
<td>Fuse No. 12</td>
</tr>
<tr>
<td>Fuse No. 3</td>
</tr>
</tbody>
</table>

---

Horn relay

Horn switch

Cigarette lighter

Diagram showing wiring connections with labels and colors:

- B49 (Black)
- B68 (Black)
- F44
- B89 (Black)

BU74-01
17. HORN AND CIGARETTE LIGHTER SYSTEM
- RHD model

To Power Supply Routing

<table>
<thead>
<tr>
<th>FB-31</th>
<th>FB-12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuse No. 12</td>
<td>Fuse No. 3</td>
</tr>
</tbody>
</table>

Wiring Diagram:

- Horn relay
- Horn switch
- Cigarette lighter
- Horn LH
- Horn RH

Colors:
- 125 (Black)
- 849 (Black)
- 868 (Black)
- F44 (Black)
18. LIGHTING (HEADLIGHT) SYSTEM

- LHD without DRL model

To Power Supply Routing

<table>
<thead>
<tr>
<th>MB-8 FUSE No. 26</th>
<th>MB-6 FUSE No. 24</th>
<th>MB-7 HEADLIGHT RELAY</th>
</tr>
</thead>
</table>

Diagram showing wiring connections and components for the lighting system.
18. LIGHTING (HEADLIGHT) SYSTEM

- LHD with DRL model

**To Power Supply Routing**

<table>
<thead>
<tr>
<th>MB-6</th>
<th>MB-8</th>
<th>ALT-1</th>
<th>MB-7</th>
<th>FB-22</th>
<th>ST</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuse No. 24</td>
<td>Fuse No. 26</td>
<td>Generator</td>
<td>Headlight Relay</td>
<td>Fuse No. 15</td>
<td>IG SW</td>
</tr>
</tbody>
</table>

**Wiring Diagram**

- Headlight RH
- Headlight LH
- Combination meter

- F7 (Black)
- F23 (Black)
- F44
- F45 (Blue)
- F12 (Light gray)

**Wiring Details:**

- F12: b
- F44: 1 2 3 4 5 6 7 8
- F45: 1 2 3 4 6 7 8 9 10
6. Wiring Diagram

WIRING DIAGRAM

Diode (Lighting)

Diode (Daytime running light)

Daytime running light relay

Resistor

Inhibitor switch (AT)

Interrupt relay (Without security)

Interrupt relay (With security)

Starter interlock relay (MT)

Ref. to AT control system

Ref. to Backup light system

(Parking brake switch)

(Without security)

(With security)

Ref. to Security system

*1 With security : LW
Without security : LR

Ref. to Starting system

Dimmer and passing switch

Lighting switch

85 (Gray)

885 (Black)

895 (Black)

8103 (Blue)

859 (Black)

8102 (Black)

871

896

869 (Black)

812 (Gray)

898 (Black)

1234

5678

12345

67891011

12345

5678

12345

67891011

12345

5678

12345

67891011

BC20-01B

68
18. LIGHTING (HEADLIGHT) SYSTEM
- RHD model

To Power Supply Routing

<table>
<thead>
<tr>
<th>MB-8</th>
<th>MB-6</th>
<th>MB-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>FUSE No. 26</td>
<td>FUSE No. 24</td>
<td>HEADLIGHT RELAY</td>
</tr>
</tbody>
</table>

Combination meter

Headlight RH

Headlight LH

Dimmer and passing switch

Lighting switch

Diode (Lighting)

Wiring Diagram

- F7 (Black)
- F21 (Black)
- B65 (Brown)
- F44
- B71
- B65 (Black)
- B65 (Light gray)
- F45
- B65 (Blue)
19. LIGHTING (TAIL LIGHT-ILLUMINATION LIGHT-ETC.) SYSTEM
● LHD model

WIRING DIAGRAM

To Power Supply Routing

<table>
<thead>
<tr>
<th>FB-6</th>
<th>FB-34</th>
<th>FB-33</th>
<th>FB-26</th>
<th>FB-27</th>
<th>FB-25</th>
<th>FB-28</th>
<th>FB-29</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuse No.5</td>
<td>Fuse No.5</td>
<td>Fuse No.5</td>
<td>Tail &amp; Illum. Relay</td>
<td>Tail &amp; Illum. Relay</td>
<td>Fuse No.9</td>
<td>Fuse No.9</td>
<td></td>
</tr>
</tbody>
</table>

---

1. Sedan: 3
2. Wagon: 4
3. With security: 7
4. Without security: 5
5. With security: 8
6. Without security: 6

---

Rear combination light RH
Rear combination light LH
Side marker light RH  
Side marker light LH  
Front clearance light RH  
Front clearance light LH

---

Lighting switch
Parking switch
AT selector lever
Illumination control module

---

BU21-01A
19. LIGHTING (TAIL LIGHT-ILLUMINATION LIGHT-ETC.) SYSTEM

- RHD model

To Power Supply Routing

<table>
<thead>
<tr>
<th>FB-6</th>
<th>FB-34</th>
<th>FB-33</th>
<th>FB-26</th>
<th>FB-27</th>
<th>FB-28</th>
<th>FB-29</th>
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<tbody>
<tr>
<td>FUSE No 5</td>
<td>FUSE No 5</td>
<td>FUSE No 5</td>
<td>TAIL &amp; ILLUMI. RELAY</td>
<td>FUSE No 23</td>
<td>TAIL &amp; ILLUMI. RELAY</td>
<td>FUSE No 9</td>
</tr>
</tbody>
</table>

- Side marker light RH
- Side marker light LH
- Rear combination light RH
- Rear combination light LH
- Illumination control module
- S.M.J. (Refer to foldout page.)
- AT selector lever illumination light
- Rear finisher light RH
- Rear finisher light LH
- License plate light RH
- License plate light LH

(Brown) R26, R28 (Black)
(Brown) F3, F19 (Brown)
(Brown) 123456
(Brown) 123456
WIRING DIAGRAM

6. Wiring Diagram
20. OIL PRESSURE AND TEMPERATURE GAUGE SYSTEM

To Power Supply Routing

FB-20
Fuse No. 15

B36

E3

B22

B21

E2

E9

WG

GW

114

1234

5678

9101112

13141516

1234

5678

9101112

13141516

12345678910111213

12345678910111213

12345678910111213

BU66-01
21. PARKING BRAKE AND BRAKE FLUID LEVEL WARNING SYSTEM
- LHD model

To Power Supply Routing

<table>
<thead>
<tr>
<th>FB-20</th>
<th>ALT-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>FUSE No. 15</td>
<td>Generator</td>
</tr>
</tbody>
</table>

Wiring Diagram:

- T.C.S. control module
- Brake fluid level switch
- Diode (With/Without traction control)
- Parking brake switch
- Combination meter
- Parking brake/brake fluid level warning light

Cables:

- B16 (Gray)
- B33 (Brown)
- R4
- R2
- B98 (Black)
- F45
- 11 (Black)

With traction control: P
Without traction control: YG

 BU60-01
21. PARKING BRAKE AND BRAKE FLUID LEVEL WARNING SYSTEM

- RHD model

---

![Wiring Diagram]

To Power Supply Routing

<table>
<thead>
<tr>
<th>FB-20</th>
<th>ALT-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>FUSE No. 15</td>
<td>Generator</td>
</tr>
</tbody>
</table>

- Brake fluid level switch
- Parking brake switch
- Combination meter
- Parking brake/brake fluid level warning light

816 (Gray) 114 110 (Light gray)

1.2 12456789 011113

123456789 01111314516

111 (Black)
22. POWER WINDOW SYSTEM
- LHD model

To Power Supply Routing

<table>
<thead>
<tr>
<th>MB-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>S9F-1</td>
</tr>
<tr>
<td>FB-22</td>
</tr>
<tr>
<td>Fuse No. 15</td>
</tr>
</tbody>
</table>

Power window circuit breaker

Power window and sunroof relay

Front power window sub switch RH

Front power window motor RH

(Green) 05  013  (Green)
(Green) 038  004  (Green)

B41
B42

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
22. POWER WINDOW SYSTEM
- RHD model

To Power Supply Routing

<table>
<thead>
<tr>
<th>MB-2</th>
<th>FB-22</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBF-1</td>
<td>FUSE No. 15</td>
</tr>
</tbody>
</table>

Power window circuit breaker

Power window relay

Front power window sub switch LH

Front power window motor LH

(Green) B43
(Green) B13
(Green) B36
(Green) B24

B41

B42

B30

B101

BUR70-01A
23. RADIATOR FAN SYSTEM
- LHD model

To Power Supply Routing

<table>
<thead>
<tr>
<th>FB-3</th>
<th>MB-4</th>
<th>MB-10</th>
<th>FB-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUB FAN RELAY 1 WITH A/D MAIN FAN RELAY WITHOUT A/D</td>
<td>IG SW FLL 258</td>
<td></td>
<td>SUB FAN RELAY 1 WITH A/D MAIN FAN RELAY WITHOUT A/D</td>
</tr>
</tbody>
</table>

Engine control module

Diode (A/C)

Air conditioning relay holder

(F) 20A
(10A)

Main fan relay-1

Main fan relay-2

Sub fan relay-2

Connector lid (Without A/C model)

Sub fan motor (With A/C model)

Main fan motor

F17 (Black)

F16 (Black)

F43 (Orange)

F45

884 (Dark gray)

F27 F28 F29 F30 F31

A/C relay holder (Black)

(F) 1 2 3 4 5 6 7 8 9 10

81
23. RADIATOR FAN SYSTEM

- RHD model

To Power Supply Routing

<table>
<thead>
<tr>
<th>FB-3</th>
<th>MB-4</th>
<th>MB-10</th>
<th>FB-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUB FAN RELAY 1</td>
<td>1G SM</td>
<td>FRI 25B</td>
<td>SUB FAN RELAY 1</td>
</tr>
</tbody>
</table>

Wiring Diagram
24. REAR WINDOW DEFOGGER SYSTEM

- LHD model
24. REAR WINDOW DEFOGGER SYSTEM

- RHD model

To Power Supply Routing

<table>
<thead>
<tr>
<th>FB-16</th>
<th>FB-17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rear defogger relay</td>
<td>Rear defogger relay</td>
</tr>
</tbody>
</table>

Ref. to Lighting system (Tail & Illumi.)

S. M. J.
(Refer to foldout page.)

Rear defogger condenser

Rear defogger switch

14 (Blue)

148

84
25. REAR WIPER AND WASHER SYSTEM

- RHD model

To Power Supply Routing

FB-14
FUSE No. 2

Rear wiper and washer switch

WASH OFF ON WASH

S. M. J. (Refer to foldout page.)

Rear wiper relay

Rear wiper motor

D43
D34
R36 (Black)

B29
D53
D43
D34

R70

B69
D53
D43
D34

R36 (Black)

B70

86
26. REMOTE CONTROL REARVIEW MIRROR SYSTEM

- LHD model

To Power Supply Routing
FB-13
FUSE No. 3

WIRING DIAGRAM
6-3
6. Wiring Diagram
26. REMOTE CONTROL REARVIEW MIRROR SYSTEM

- RHD model

---

To Power Supply Routing
FB-13
FUSE No 3
27. SEAT BELT WARNING SYSTEM

- LHD model

To Power Supply Routing

<table>
<thead>
<tr>
<th>FB-20</th>
<th>FB-22</th>
<th>FB-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>FUSE No. 15</td>
<td>FUSE No. 15</td>
<td>FUSE No. 22</td>
</tr>
</tbody>
</table>

---

For the diagram, please refer to the visual representation provided as it is more illustrative than text.
27. SEAT BELT WARNING SYSTEM

- RHD model

To Power Supply Routing

<table>
<thead>
<tr>
<th></th>
<th>FB-20</th>
<th>FB-22</th>
<th>FB-10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuse No.</td>
<td>15</td>
<td>15</td>
<td>22</td>
</tr>
</tbody>
</table>

Wiring Diagram:

- Combination meter
- Seat belt
- Buzzer
- Seat belt switch
- Front door switch RH
- Key warning switch
- S.M.J. (Refer to foldout page.)

Colors:
- R8 (Black)
- B74 (Light gray)
- B44 (Blue)
- 110 (Light gray)

BUR81-01
28. SECURITY SYSTEM

To Power Supply Routing

<table>
<thead>
<tr>
<th>MB-7</th>
<th>MB-9</th>
<th>MB-5</th>
<th>FB-31</th>
<th>FB-10</th>
<th>ST</th>
<th>IG</th>
<th>IG</th>
<th>FB-13</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEADLIGHT RELAY</td>
<td>HEADLIGHT RELAY</td>
<td>FUSE No. 25</td>
<td>FUSE No. 12</td>
<td>FUSE No. 22</td>
<td>IGN SW</td>
<td>IGN SW</td>
<td>IGN SW</td>
<td>FUSE No. 3</td>
</tr>
</tbody>
</table>

Security indicator light

Horn

Front hood switch

Front door lock switch LH

Front door key switch LH

Front door lock switch RH

Front door key switch RH

Ref. to Door lock system

(Brown) 18 (Gray)

(Grey) 019 (Gray)

(Grey) 06 (Gray)

(Brown) 018 (Gray)

(Brown) 16 (Gray)
29. SPOT LIGHT, ROOM LIGHT, LUGGAGE AND TRUNK ROOM LIGHT SYSTEM

- LHD model

WIRING DIAGRAM

---

6. Wiring Diagram

---

BU23-01
29. SPOT LIGHT, ROOM LIGHT, LUGGAGE AND TRUNK ROOM LIGHT SYSTEM

- RHD model

---

**6-3 WIRING DIAGRAM**

---

29. SPOT LIGHT, ROOM LIGHT, LUGGAGE AND TRUNK ROOM LIGHT SYSTEM

- RHD model

---

**6. Wiring Diagram**

---

**To Power Supply Routing**

MB-9

FIRE No. 25

---

**Combination meter**

---

**S.H.I.**

[Refer to foldout page 1]

---

**Diode (Door warning)**

---

**Door**

---

**Front door switch LH (F9)**

---

**Front door switch RH (F10)**

---

**Rear door switch LH (F11)**

---

**Rear door switch RH (F12)**

---

**Luggage room light**

---

**Rear gate latch switch**

---

**Diode (Luggage room light)**

---

**Light gray (118) Light gray (12)**

---

**326 (Black)**

---

**315 (Brown)**

---

---

BUR23-01
31. STARTING SYSTEM

**To Power Supply Routing**

<table>
<thead>
<tr>
<th>ST</th>
<th>IG 5W</th>
<th>BATTERY TERMINAL</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Inhibitor switch (AT)**

PRND521

**Ref. to AT control system**

**Ref. to Backup light system**

**Starter motor**

*1: With security: LW
   Without security: LR

**Interrupt relay (with security)**

**Ref. to Security system**

**Starter interlock relay (MT)**

**Clutch switch (MT)**

**6105**, **6106**, **6109**, **6112** (Gray)

**6105 (Blue)**, **6106 (Black)**
32. STOP LIGHT SYSTEM

- LHD model

To Power Supply Routing
FB-30
FUSE No. 12

*1: Without cruise control
*2: With cruise control
*3: With traction control
*4: Sedan
*5: Wagon

Rear finisher light RH

Rear finisher light LH

High-mount stop light (Sedan)

High-mount stop light (Wagon)

Stop light switch

*6 With security: 3
Without security: 2

R19
D33
B64 (Black)
D39
(Black) B67
B65 (Black)
D34
D42
R62
R64
D47
R26
R28
D32

(Sedan)
(Wagon)
Without security
With security

BU25-01
97
32. STOP LIGHT SYSTEM

- RHD model

*1: Without cruise control
*2: With cruise control

S. M. J. (Refer to foldout page.)

[Diagram of wiring for stop light system]
33. SUNROOF SYSTEM

To Power Supply Routing

<table>
<thead>
<tr>
<th>MB-2</th>
<th>MB-9</th>
<th>FB-22</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBF-1</td>
<td>Fuse No. 25</td>
<td>Fuse No. 15</td>
</tr>
</tbody>
</table>

Power window and sunroof circuit breaker

Spot light

Sunroof control module

Sunroof switch

Open
Close
Tilt up
Tilt down

BU75-01
35. TURN SIGNAL AND HAZARD SYSTEM

- LHD model

To Power Supply Routing

<table>
<thead>
<tr>
<th>FB-9</th>
<th>FB-19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuse No. 22</td>
<td>Fuse No. 1</td>
</tr>
</tbody>
</table>

Hazard switch

OFF  ON

Ref to Lighting system (Tail & Illum.)

Combination meter

a: (110)
b: (112)

Turn signal

LH  RH

Rear turn signal

RH  L

*1: Sedan
*2: Wagon

Front turn signal light RH

F1  (Brown)
F10 (Brown)

B32 (Black)

Front turn signal light LH

F19

R26

R28 (Sedan) (Wagon) (Black)

B71

F3

123

(Light gray)  (Light gray)

12345678901111111111

12345678901111111111

F45

12345678901111111111

F678

6789

999

102
35. TURN SIGNAL AND HAZARD SYSTEM

- RHD model

To Power Supply Routing

<table>
<thead>
<tr>
<th></th>
<th>FB-9</th>
<th>FB-19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuse No</td>
<td>22</td>
<td>1</td>
</tr>
</tbody>
</table>

Hazard switch

OFF    ON

Ref to Lighting system (Tail & Illumi.)

Combination meter

Turn signal

LH

RH

Front turn signal light RH

F3 (Brown)

F19 (Brown)

B32 (Black)

123 (Light grey)

110 (Light grey)

Rear turn signal light RH

R26 (Black)

R28 (Black)

B71

11 (Black)

12345 6789

12345 678910

12345 678910

12345 678912

BUR20-01

103
<table>
<thead>
<tr>
<th>Electrical unit</th>
<th>Refer to:</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.B.S. control module</td>
<td>4-4a [T300]</td>
</tr>
<tr>
<td>A.B.S. G sensor (MT)</td>
<td>4-4a [T300]</td>
</tr>
<tr>
<td>A/C compressor relay</td>
<td>@</td>
</tr>
<tr>
<td>A/C fuse</td>
<td>@</td>
</tr>
<tr>
<td>A/C main fan relay 1</td>
<td>@</td>
</tr>
<tr>
<td>A/C main fan relay 2</td>
<td>@</td>
</tr>
<tr>
<td>A/C pressure switch</td>
<td>@</td>
</tr>
<tr>
<td>A/C sub fan relay 2</td>
<td>@</td>
</tr>
<tr>
<td>ATF temperature sensor</td>
<td>2-7 [T2B1]</td>
</tr>
<tr>
<td>Blower motor resistor</td>
<td>@</td>
</tr>
<tr>
<td>Blower relay</td>
<td>@</td>
</tr>
<tr>
<td>Camshaft position sensor</td>
<td>2-7 [T2A2]</td>
</tr>
<tr>
<td>Check connector</td>
<td>@</td>
</tr>
<tr>
<td>Clutch switch (MT)</td>
<td>6-2 [T300]</td>
</tr>
<tr>
<td>Crankshaft position sensor</td>
<td>2-7 [T2A2]</td>
</tr>
<tr>
<td>Cruise control module</td>
<td>6-2 [T300]</td>
</tr>
<tr>
<td>Cruise control pump</td>
<td>6-2 [T300]</td>
</tr>
<tr>
<td>Data link connector (for OBD-II G.S.T.)</td>
<td>2-7 [T2A1]</td>
</tr>
<tr>
<td>Data link connector (for S.S.M.)</td>
<td>2-7 [T2A1]</td>
</tr>
<tr>
<td>Diagnosis connector</td>
<td>4-4a [T300]</td>
</tr>
<tr>
<td>Diagnosis terminal (Ground)</td>
<td>4-4a [T300]</td>
</tr>
<tr>
<td>Door lock timer</td>
<td>@</td>
</tr>
<tr>
<td>Engine control module</td>
<td>2-7 [T2A1]</td>
</tr>
<tr>
<td>Engine coolant temperature sensor</td>
<td>2-7 [T2A2]</td>
</tr>
<tr>
<td>Engine hood switch (Security)</td>
<td>6-2 [K6A0]</td>
</tr>
<tr>
<td>Evaporator thermoswitch</td>
<td>@</td>
</tr>
<tr>
<td>F/B</td>
<td>@</td>
</tr>
<tr>
<td>FRESH/RECIRC actuator</td>
<td>@</td>
</tr>
<tr>
<td>Fuel pump relay</td>
<td>2-7 [T2A3]</td>
</tr>
<tr>
<td>Fuel gauge module</td>
<td>@</td>
</tr>
<tr>
<td>Fuel gauge sub module (AWD)</td>
<td>@</td>
</tr>
<tr>
<td>FWD switch (AT)</td>
<td>@</td>
</tr>
<tr>
<td>Headlight alarm relay (Security)</td>
<td>6-2 [K6A0]</td>
</tr>
<tr>
<td>Headlight relay LH</td>
<td>@</td>
</tr>
<tr>
<td>Headlight relay RH</td>
<td>@</td>
</tr>
<tr>
<td>Horn relay</td>
<td>@</td>
</tr>
<tr>
<td>Hydraulic unit (A.B.S.)</td>
<td>4-4a [T300]</td>
</tr>
<tr>
<td>Ignition coil</td>
<td>2-7 [T2A3]</td>
</tr>
<tr>
<td>Ignitor</td>
<td>2-7 [T2A3]</td>
</tr>
<tr>
<td>Idle air control solenoid valve</td>
<td>@</td>
</tr>
<tr>
<td>Illumination control module</td>
<td>@</td>
</tr>
<tr>
<td>Inhibitor switch</td>
<td>6-2 [T300]</td>
</tr>
<tr>
<td>Knock sensor</td>
<td>2-7 [T2A2]</td>
</tr>
<tr>
<td>Main fan relay</td>
<td>@</td>
</tr>
<tr>
<td>Main relay</td>
<td>2-7 [T2A3]</td>
</tr>
<tr>
<td>Mass air flow sensor</td>
<td>2-7 [T2A2]</td>
</tr>
<tr>
<td>Mode actuator</td>
<td>@</td>
</tr>
<tr>
<td>M/B</td>
<td>@</td>
</tr>
<tr>
<td>Oil pressure switch</td>
<td>@</td>
</tr>
<tr>
<td>Oxygen sensor</td>
<td>2-7 [T2A2]</td>
</tr>
<tr>
<td>Pedal stroke sensor (T.C.S.)</td>
<td>4-4b [T300]</td>
</tr>
<tr>
<td>Power window and sunroof relay</td>
<td>@</td>
</tr>
<tr>
<td>Power window circuit breaker</td>
<td>@</td>
</tr>
<tr>
<td>Purge control solenoid valve</td>
<td>2-7 [T2A3]</td>
</tr>
<tr>
<td>Rear defogger relay</td>
<td>@</td>
</tr>
<tr>
<td>Seat belt timer</td>
<td>@</td>
</tr>
<tr>
<td>Security control module</td>
<td>6-2 [K6A0]</td>
</tr>
<tr>
<td>Shift lock control module</td>
<td>@</td>
</tr>
<tr>
<td>Starter interrupt relay (Security)</td>
<td>6-2 [K6A0]</td>
</tr>
<tr>
<td>Stop &amp; brake switch (With cruise control)</td>
<td>6-2 [T300]</td>
</tr>
<tr>
<td>Sunroof control module</td>
<td>@</td>
</tr>
<tr>
<td>Tail and illumination relay</td>
<td>@</td>
</tr>
<tr>
<td>T.C.S. control module</td>
<td>4-4b [T300]</td>
</tr>
<tr>
<td>T.C.S. motor relay</td>
<td>4-4b [T300]</td>
</tr>
<tr>
<td>T.C.S. valve relay</td>
<td>4-4b [T300]</td>
</tr>
<tr>
<td>Throttle position sensor</td>
<td>2-7 [T2A2]</td>
</tr>
<tr>
<td>Test mode connector</td>
<td>2-7 [T2A1]</td>
</tr>
<tr>
<td>Transmission control module</td>
<td>2-7 [T2B1]</td>
</tr>
<tr>
<td>Turn &amp; hazard module</td>
<td>@</td>
</tr>
<tr>
<td>Vehicle speed sensor 1</td>
<td>2-7 [T2B1]</td>
</tr>
<tr>
<td>Vehicle speed sensor 2</td>
<td>2-7 [T2B1]</td>
</tr>
</tbody>
</table>
1. ENGINE ROOM

1. FWD switch (AT)
2. A/C pressure switch
3. Oil pressure switch
4. M/B
5. Headlight relay LH
6. Headlight relay RH
7. A/C compressor relay
8. A/C main fan relay 2
9. A/C sub fan relay 2
10. A/C main fan relay 1
11. A/C fuse

B2M0018D

6-3 WIRING DIAGRAM

7. Electrical Unit Location
2. INSTRUMENT PANEL

1. Mode actuator
2. Blower relay
3. Horn relay
4. F/B
5. Turn & hazard module
6. Rear defogger relay
7. Tail & illumination relay
8. Main fan relay
9. Seat belt timer
10. Mode actuator
11. Blower relay
12. Horn relay
13. F/B
14. Turn & hazard module
15. Rear defogger relay
16. Tail & illumination relay
17. Main fan relay
18. Seat belt timer
19. Illumination control module
20. Shift lock control module
21. Power window circuit breaker
22. Power window & sunroof relay
23. Check connector
24. Blower motor resistor
25. Door lock timer
26. FRESH/RECIRC actuator
27. Evaporator thermoswitch
3. COMPARTMENT

- SEDAN

- WAGON

1. Sunroof control module
2. Fuel gauge module
3. Fuel gauge sub module (AWD)
7. Electrical Unit Location
8. Electrical Wiring Harness and Ground Point

1. Front wiring harness
2. Engine wiring harness
3. Room light cord
4. Bulkhead wiring harness
5. Instrument panel wiring harness
6. Front door cord RH
7. Rear door cord RH
8. Rear wiring harness
9. Trunk lid cord (Sedan)
10. Rear defogger ground cord (Sedan)
11. Fuel tank cord
12. Rear door cord LH
13. Front door cord LH
14. Sunroof cord
15. Floor wiring harness
16. Transmission cord
17. Rear gate cord (Wagon)
18. Rear oxygen sensor cord