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<td>Front fog light</td>
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(See 09–18–24 CARGO COMPARTMENT LIGHT SWITCH INSPECTION)
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<th>Description</th>
<th>Instruction</th>
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<td>(See 09–18–13 COMBINATION SWITCH DISASSEMBLY/ASSEMBLY)</td>
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<td>Light switch</td>
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<td>(See 09–18–13 LIGHT SWITCH INSPECTION)</td>
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<td>3</td>
<td>Front fog light switch</td>
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<td>Hazard warning switch</td>
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<td>Flasher control module</td>
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<td>(See 09–18–16 FLASHER CONTROL MODULE INSPECTION)</td>
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<td>7</td>
<td>Panel light control switch</td>
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<td></td>
<td></td>
<td>(See 09–18–26 PANEL LIGHT CONTROL SWITCH INSPECTION)</td>
</tr>
</tbody>
</table>
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FRONT COMBINATION LIGHT REMOVAL/INSTALLATION

1. Disconnect the negative battery cable.
2. Remove the front bumper. (See 09–10–5 FRONT BUMPER REMOVAL/INSTALLATION.)
3. Remove in the order indicated in the table.
4. Install in the reverse order of removal.
5. Adjust the headlight aiming. (See 09–18–5 HEADLIGHT ADJUSTMENT.)

<p>| | |</p>
<table>
<thead>
<tr>
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<th></th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Connector</td>
</tr>
<tr>
<td>2</td>
<td>Bolt</td>
</tr>
<tr>
<td>3</td>
<td>Front combination light</td>
</tr>
</tbody>
</table>

HEADLIGHT ADJUSTMENT

1. Adjust the tire air pressure to the specification.
2. Position the unloaded vehicle on a flat, level surface.
3. Seat one person in the driver's seat.
4. Position the vehicle straight ahead and perpendicular to a wall.
5. Set the headlights 3 m (10 ft) from the wall.
6. While adjusting one headlight, disconnect the connector of the other.
7. Start the engine to charge the battery.
8. Turn on the low-beam headlight.
9. Adjust the headlights by turning the adjusting screws as shown in the figure. Loosen the screws first, then tighten them.

Note
- If the adjusting screws are tightened first, then loosened, they will continue to loosen when the vehicle is in motion and may cause the headlights to become misaligned.
HEADLIGHT BULB REMOVAL/INSTALLATION

1. Disconnect the negative battery cable.
2. Remove in the order indicated in the table.

Caution
- A halogen bulb generates extremely high heat when it is used. If the surface of the bulb is dirty, excessive heat will build up and the light’s life will be shortened. When replacing the bulb, hold the metal flange, not the glass.

3. Install in the reverse order of removal.

---

### 4SD

1. Release the bulb seating wire to remove the headlight bulb.

### 5HB Low-beam

1. Turn the bulb to remove the headlight bulb.

### 5HB High-beam

1. Make sure the cover is seated properly to prevent the moisture from getting into the headlight housing.

---

**Headlight Bulb Removal Note (4SD and 5HB Low-beam)**

1. Release the bulb seating wire to remove the headlight bulb.

**Headlight Bulb Removal Note (5HB High-beam)**

1. Turn the bulb to remove the headlight bulb.

**Cover Installation Note**

1. Make sure the cover is seated properly to prevent the moisture from getting into the headlight housing.
LIGHTING SYSTEMS

FRONT TURN LIGHT/PARKING LIGHT BULB REMOVAL/INSTALLATION

1. Disconnect the negative battery cable.
2. Remove in the order indicated in the table.

| 1 | Connector |
| 2 | Socket |
| 3 | Front turn light/parking light bulb |

3. Install in the reverse order of removal.

FRONT SIDE MARKER LIGHT REMOVAL/INSTALLATION

4SD
1. Disconnect the negative battery cable.
2. Remove in the order indicated in the table.

| 1 | Socket |
| 2 | Connector |
| 3 | Front side marker light bulb |

3. Install in the reverse order of removal.

5HB
1. Disconnect the negative battery cable.
2. Remove the bolts and fasteners, and bend the splash shield down.
3. Remove in the order indicated in the table.

| 1 | Front side marker light (See 09–18–7 Front side marker light removal note) |
| 2 | Connector |
| 3 | Socket |
| 4 | Front side marker light bulb |

4. Install in the reverse order of removal.

Front side marker light removal note
1. Pull out the rear end of the front side marker light while pressing the hook.
LIGHTING SYSTEMS

FRONT FOG LIGHT REMOVAL/INSTALLATION

4SD

Caution
• A halogen bulb generates extremely high heat when it is used. If the surface of the bulb is dirty, excessive heat will build up and the bulb’s life will be shortened. When replacing the bulb, hold the metal flange, not the glass.

1. Disconnect the negative battery cable.
2. Turn over the mud guard.
3. Remove in the order indicated in the table.

<table>
<thead>
<tr>
<th>1</th>
<th>Bolt</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Connector</td>
</tr>
<tr>
<td>3</td>
<td>Front fog light</td>
</tr>
<tr>
<td>4</td>
<td>Screw</td>
</tr>
<tr>
<td>5</td>
<td>Cover</td>
</tr>
<tr>
<td>6</td>
<td>Bulb pressing wire</td>
</tr>
<tr>
<td>7</td>
<td>Front fog light bulb</td>
</tr>
</tbody>
</table>

4. Install in the reverse order of removal.
5. Adjust the front fog light aiming. (See 09–18–9 FRONT FOG LIGHT ADJUSTMENT.)

5HB

Caution
• A halogen bulb generates extremely high heat when it is used. If the surface of the bulb is dirty, excessive heat will build up and the bulb’s life will be shortened. When replacing the bulb, hold the metal flange, not the glass.

1. Disconnect the negative battery cable.
2. Remove the front bumper. (See 09–10–5 FRONT BUMPER REMOVAL/INSTALLATION.)
3. Remove in the order indicated in the table.

| 1 | Nut |
| 2 | Connector |
| 3 | Front fog light |
| 4 | Screw |
| 5 | Front fog light unit |
| 6 | Connector |
| 7 | Bulb pressing wire |
| 8 | Front fog light bulb |

4. Install in the reverse order of removal.
5. Adjust the front fog light aiming. (See 09–18–9 FRONT FOG LIGHT ADJUSTMENT.)

09–18–8
FRONT FOG LIGHT ADJUSTMENT

1. Adjust the tire air pressure to the specification.
2. Position the unloaded vehicle on a flat, level surface.
3. Seat one person in the driver’s seat.
4. Position the vehicle 3 m (10 ft) in front of a white screen.
5. While adjusting one fog light, mask the other.
6. Start the engine to charge the battery.
7. Turn the front fog light on.
8. Peel off the mud guard.
9. Loosen the screw or bolts for the aim adjustment.
10. Move the front fog light in the direction of the arrows indicated in the figure and adjust the center of the front fog light to the position.
11. Tighten the front fog light adjusting screw or bolts.
LIGHTING SYSTEMS

REAR COMBINATION LIGHT REMOVAL/INSTALLATION

1. Disconnect the negative battery cable.
2. Remove the trunk side trim. (See 09–17–15 TRUNK SIDE TRIM REMOVAL/INSTALLATION.)
3. Remove in the order indicated in the table.
4. Install in the reverse order of removal.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Connector</td>
</tr>
<tr>
<td>2</td>
<td>Nut</td>
</tr>
<tr>
<td>3</td>
<td>Rear combination light</td>
</tr>
<tr>
<td>4</td>
<td>Socket</td>
</tr>
<tr>
<td>5</td>
<td>Brake light/taillight bulb</td>
</tr>
<tr>
<td>6</td>
<td>Rear turn light bulb</td>
</tr>
<tr>
<td>7</td>
<td>Back-up light bulb</td>
</tr>
<tr>
<td>8</td>
<td>Rear side marker light bulb (4SD)</td>
</tr>
<tr>
<td>9</td>
<td>Taillight bulb (4SD)</td>
</tr>
</tbody>
</table>

Socket Installation Note

1. Hook the harness as shown in the figure.
HIGH-MOUNT BRAKE LIGHT REMOVAL/INSTALLATION

In-Vehicle Type
1. Disconnect the negative battery cable.
2. Remove the rear package trim. (See 09–17–12 REAR PACKAGE TRIM REMOVAL/INSTALLATION.)
3. Remove in the order indicated in the table.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>1</td>
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<tr>
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<td>3</td>
<td>Socket</td>
</tr>
<tr>
<td>4</td>
<td>High-mount brake light bulb</td>
</tr>
</tbody>
</table>

4. Install in the reverse order of removal.

Rear Spoiler Type
1. Disconnect the negative battery cable.
2. Remove the rear spoiler. (See 09–16–8 REAR SPOILER REMOVAL/INSTALLATION.)
3. Remove in the order indicated in the table.

<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Screw</td>
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<tr>
<td>2</td>
<td>High-mount brake light (See 09–18–12 High-mount brake light removal note (4SD))</td>
</tr>
</tbody>
</table>

4. Install in the reverse order of removal.
LIGHTING SYSTEMS

High-mount brake light removal note (4SD)
1. Tie a string to the end of the connector of the high-mount brake light beforehand so that the connector can be passed easily through the rear spoiler during installation.

LICENSE PLATE LIGHT REMOVAL/INSTALLATION
1. Disconnect the negative battery cable.
2. Remove the rear finisher. (See 09–16–3 REAR FINISHER REMOVAL/INSTALLATION.)
3. Remove in the order indicated in the table.

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
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<td>1</td>
<td>License plate light</td>
<td>2</td>
<td>Connector</td>
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<tr>
<td>3</td>
<td>Socket</td>
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<td></td>
</tr>
<tr>
<td>4</td>
<td>License plate light bulb</td>
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<td></td>
</tr>
</tbody>
</table>

4. Install in the reverse order of removal.

License Plate Light Removal Note
1. Slide the license plate light to the arrow mark and remove it.

COMBINATION SWITCH REMOVAL/INSTALLATION
1. Disconnect the negative battery cable.
2. Remove the driver-side air bag module. (See 08–10–5 DRIVER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION.)
3. Remove the steering wheel. (See 06–12–6 STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION.)
4. Remove the column cover. (See 09–17–5 COLUMN COVER REMOVAL/INSTALLATION.)
5. Remove the clock spring. (See 08–10–9 CLOCK SPRING REMOVAL/INSTALLATION.)
6. Remove in the order indicated in the table.

<p>| | | |</p>
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<tr>
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<tr>
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<td>Screw</td>
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<tr>
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7. Install in the reverse order of removal.
LIGHTING SYSTEMS

COMBINATION SWITCH DISASSEMBLY/ASSEMBLY

1. Disassemble in the order indicated in the table.

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<tr>
<td>2</td>
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<tr>
<td>3</td>
<td>Light lever</td>
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<tr>
<td>4</td>
<td>Body</td>
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</tbody>
</table>

2. Assemble in the reverse order of disassembly.

LIGHT SWITCH REMOVAL/INSTALLATION

1. Disconnect the negative battery cable.
2. Remove the column cover. (See 09–17–5 COLUMN COVER REMOVAL/INSTALLATION.)
3. Remove in the order indicated in the table.

<table>
<thead>
<tr>
<th>1</th>
<th>Connector</th>
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<tbody>
<tr>
<td>2</td>
<td>Screw</td>
</tr>
<tr>
<td>3</td>
<td>Light lever</td>
</tr>
</tbody>
</table>

4. Install in the reverse order of removal.

LIGHT SWITCH INSPECTION

Headlight switch
1. Remove the light switch. (See 09–18–13 LIGHT SWITCH REMOVAL/INSTALLATION.)
2. Inspect for continuity between the light switch terminals using an ohmmeter.
   - If not as specified, replace the light switch.

<table>
<thead>
<tr>
<th>Switch position</th>
<th>Terminal</th>
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<tbody>
<tr>
<td>Light</td>
<td>Dimmer</td>
</tr>
<tr>
<td>OFF</td>
<td>-</td>
</tr>
<tr>
<td>TNS</td>
<td>-</td>
</tr>
<tr>
<td>Headlight</td>
<td>LO</td>
</tr>
<tr>
<td></td>
<td>HI</td>
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</tbody>
</table>

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LIGHTING SYSTEMS

Turn switch
1. Remove the light switch. (See 09–18–13 LIGHT SWITCH REMOVAL/INSTALLATION.)
2. Inspect for continuity between the light switch terminals using an ohmmeter.
   • If not as specified, replace the light switch.

<table>
<thead>
<tr>
<th>Switch position</th>
<th>Terminal</th>
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<tbody>
<tr>
<td>Left</td>
<td>C</td>
</tr>
<tr>
<td></td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>E</td>
</tr>
<tr>
<td>Off</td>
<td></td>
</tr>
<tr>
<td>Right</td>
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</tr>
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</table>

FRONT FOG LIGHT SWITCH REMOVAL/INSTALLATION
1. Disconnect the negative battery cable.
2. Remove the left side side panel from the dashboard.
3. Compress the tabs of the front fog light switch and pull the switch out of the dashboard.
4. Disconnect the connector to remove the front fog light switch.
5. Install in the reverse order of removal.

FRONT FOG LIGHT SWITCH INSPECTION
1. Remove the front fog light switch. (See 09–18–14 FRONT FOG LIGHT SWITCH REMOVAL/INSTALLATION.)
2. Inspect for continuity between the front fog light switch terminals using an ohmmeter.
   • If not as specified, replace the front fog light switch.

<table>
<thead>
<tr>
<th>Switch position</th>
<th>Terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>C</td>
</tr>
<tr>
<td></td>
<td>B</td>
</tr>
<tr>
<td></td>
<td>D</td>
</tr>
</tbody>
</table>

HAZARD WARNING SWITCH REMOVAL/INSTALLATION
1. Disconnect the negative battery cable.
2. Remove the center panel. (See 09–17–4 CENTER PANEL REMOVAL/INSTALLATION.)
3. Grasp the tabs of the hazard warning switch and pull it forward to remove it.
4. Install in the reverse order of removal.

09–18–14
LIGHTING SYSTEMS

HAZARD WARNING SWITCH INSPECTION
1. Remove the hazard warning switch. (See 09–18–14 HAZARD WARNING SWITCH REMOVAL/INSTALLATION.)
2. Inspect for continuity between the hazard warning switch terminals using an ohmmeter.
   • If not as specified, replace the hazard warning switch.

<table>
<thead>
<tr>
<th>Switch position</th>
<th>Terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF</td>
<td>F D B A C I K H J</td>
</tr>
<tr>
<td>ON</td>
<td>- O - O - O - O -</td>
</tr>
</tbody>
</table>

BACK-UP LIGHT SWITCH REMOVAL/INSTALLATION
1. Disconnect the negative battery cable.
2. Remove in the order indicated in the table.
3. Install in the reverse order of removal.

<table>
<thead>
<tr>
<th>1</th>
<th>Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Back-up light switch</td>
</tr>
</tbody>
</table>

BACK-UP LIGHT SWITCH INSPECTION
1. Disconnect the back-up light switch connector.
2. Inspect for continuity between the back-up light switch terminals using an ohmmeter.
   • If not as specified, replace the back-up light switch.

<table>
<thead>
<tr>
<th>Shift lever position</th>
<th>Terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reverse</td>
<td>A B</td>
</tr>
<tr>
<td>Other</td>
<td>- O -</td>
</tr>
</tbody>
</table>
**LIGHTING SYSTEMS**

**FLASHER CONTROL MODULE REMOVAL/INSTALLATION**

*Note*
- Because the lock section of the control module is damaged easily, do not remove the control module from the bracket unless replacement is necessary. Always perform an inspection of the flasher control module before removal.

1. Disconnect the negative battery cable.
2. Remove the bracket.
3. Disconnect the flasher control module connector.
4. Remove the flasher control module by prying the lock section of the upper part with a flathead screwdriver.
5. Install in the reverse order of removal.

**FLASHER CONTROL MODULE INSPECTION**

1. Remove the bracket and pull it toward you.
2. Measure the voltage at the flasher control module terminals as indicated below.
3. Disconnect the flasher control module connector before inspecting for continuity at terminal F.
   - If not as specified, inspect the parts listed under "Action."
   - If the parts and wiring harnesses are okay but the system still does not work properly, replace the flasher control module.

**Terminal Voltage List (Reference)**

<table>
<thead>
<tr>
<th>Terminal</th>
<th>Signal</th>
<th>Connected to</th>
<th>Test condition</th>
<th>Voltage (V)/ Continuity</th>
<th>Action</th>
</tr>
</thead>
</table>
| A        | Power supply | HAZARD 15 A fuse | Under any condition | B+ | • Inspect HAZARD 15 A fuse  
• Inspect related harness |
| B        | —      | —            | —              | —            | —      |
| D        | Turn signal flasher (LH) | Turn signal light (LH) | Turn signal light (LH) flashes. Hazard warning switch at on position. | Alternates below 1.0 and B+ | • Inspect turn signal light (LH)  
• Inspect related harness |
| F        | Flasher control module ground | GND | Constant: inspect for continuity to ground. | Yes | • Inspect GND |
| G        | Turn signal flasher (RH) | Turn signal light (RH) | Turn signal light (RH) flashes. Hazard warning switch at on position. | Alternates below 1.0 and B+ | • Inspect turn signal light (RH)  
• Inspect related harness |
| H        | Hazard warning on | Hazard warning switch | Hazard warning switch at on position.  
Hazard warning switch at off position. | Below 1.0 | • Inspect hazard warning switch (See 09–18–15 HAZARD WARNING SWITCH INSPECTION)  
• Inspect related harness |
| I        | Turn switch on/off (RH) | Combination switch (light switch) | Ignition switch is at ON and turn switch (RH) on. | B+ | • Inspect light switch (See 09–18–13 LIGHT SWITCH INSPECTION)  
• Inspect TURN 10 A fuse  
• Inspect related harness |
| J        | Turn switch on/off (LH) | Combination switch (light switch) | Ignition switch is at ON and turn switch (LH) on. | B+ | • Inspect light switch (See 09–18–13 LIGHT SWITCH INSPECTION)  
• Inspect TURN 10 A fuse  
• Inspect related harness |
LIGHTING SYSTEMS

DAYTIME RUNNING LIGHT (DRL) SYSTEM WIRING DIAGRAM

A3L031967750W01

09–18–17

A3L031967750W01

09–18–17
Note
- Because the lock section of the control module is damaged easily, do not remove the control module from the bracket unless replacement is necessary. Always perform an inspection of the DRL control module before removal.

1. Remove the negative battery cable.
2. Remove the bracket.
3. Disconnect the DRL control module connector.
4. Remove the DRL control module by prying the lock section of the side part with a flathead screwdriver.
5. Install in the reverse order of removal.

DRL CONTROL MODULE INSPECTION (CANADA)

1. Remove the bracket and pull it toward you.
2. Measure the voltage at the DRL control module terminals as indicated below.
3. Disconnect the DRL control module connector before inspecting for continuity at terminal 1E.
   - If not as specified, inspect the parts listed under “Action.”
   - If the parts and wiring harnesses are okay but the system still does not work properly, replace the DRL control module.

Terminal Voltage List (Reference)

<table>
<thead>
<tr>
<th>Terminal</th>
<th>Signal</th>
<th>Connected to</th>
<th>Test condition</th>
<th>Voltage (V)/Continuity</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A</td>
<td>RH headlight operation (low beam)</td>
<td>RH headlight (low beam)</td>
<td>Headlight switch at high beam position</td>
<td>4SD B+</td>
<td>Below 1.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dimmer switch at high beam position</td>
<td>5HB Below 1.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dimmer switch at low beam position</td>
<td>Below 1.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Headlight switch at OFF or TNS position</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1B</td>
<td>IG1</td>
<td>METER 10 A fuse</td>
<td>Ignition switch at ON position</td>
<td>B+</td>
<td>Below 1.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ignition switch at LOCK or ACC position</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1C</td>
<td>LH headlight operation (low beam)</td>
<td>LH headlight (low beam)</td>
<td>Headlight switch at high beam position</td>
<td>4SD B+</td>
<td>Below 1.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dimmer switch at high beam position</td>
<td>5HB Below 1.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dimmer switch at low beam position</td>
<td>Below 1.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Headlight switch at OFF or TNS position</td>
<td>Below 1.5</td>
<td></td>
</tr>
<tr>
<td>1D</td>
<td>Power supply</td>
<td>HEAD C/U 7.5 A fuse</td>
<td>Under any condition</td>
<td>B+</td>
<td></td>
</tr>
<tr>
<td>1E</td>
<td>DRL control module ground</td>
<td>GND</td>
<td>Constant: inspect for continuity to ground</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

09–18–18
## LIGHTING SYSTEMS

<table>
<thead>
<tr>
<th>Terminal</th>
<th>Signal</th>
<th>Connected to</th>
<th>Test condition</th>
<th>Voltage (V)/Continuity</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1F</strong></td>
<td>Headlight relay operation</td>
<td>Headlight (high beam)</td>
<td>Headlight switch at headlight position</td>
<td>Dimmer switch at high beam position</td>
<td>Below 1.0 • Inspect headlight • Inspect HEAD R 15 A fuse • Inspect HEAD L 15 A fuse • Inspect related harness</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dimmer switch at low beam position</td>
<td></td>
<td>B+</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Headlight switch at OFF or TNS position</td>
<td></td>
<td>Below 1.0</td>
</tr>
<tr>
<td><strong>2A</strong></td>
<td>Headlight relay operation</td>
<td>Headlight relay</td>
<td>Headlight switch at headlight position</td>
<td></td>
<td>Below 1.0 • Inspect headlight relay (See 09–21–5 RELAY INSPECTION) • Inspect related harness</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Headlight switch at OFF or TNS position</td>
<td></td>
<td>B+</td>
</tr>
<tr>
<td><strong>2B</strong></td>
<td>Flash-to-pass on/off</td>
<td>Headlight switch</td>
<td>Flash-to-pass activated</td>
<td></td>
<td>Below 1.0 • Inspect combination switch • Inspect related harness</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Flash-to-pass not activated</td>
<td></td>
<td>B+</td>
</tr>
<tr>
<td><strong>2C</strong></td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td><strong>2D</strong></td>
<td>Brake system warning light operation</td>
<td>Photo diode</td>
<td>Ignition switch at ON position</td>
<td>Brake fluid level is below MIN.</td>
<td>Below 1.0 • Inspect METER 10 A fuse • Inspect instrument cluster (See 09–22–4 INSTRUMENT CLUSTER INSPECTION)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Brake fluid level is above MIN.</td>
<td></td>
<td>B+</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ignition switch at LOCK or ACC position</td>
<td></td>
<td>Below 1.0 • Inspect brake fluid level sensor (See 04–11–9 FLUID LEVEL SENSOR INSPECTION) • Inspect related harness</td>
</tr>
<tr>
<td><strong>2E</strong></td>
<td>Front fog light relay operation</td>
<td>Front fog light switch</td>
<td>• Headlight switch at headlight position</td>
<td>Dimmer switch at high beam position</td>
<td>B+ • Inspect front fog light relay (See 09–21–5 RELAY INSPECTION) • Inspect related harness</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Front fog light switch on</td>
<td>Dimmer switch at low beam position</td>
<td>Below 1.5</td>
</tr>
<tr>
<td><strong>2F</strong></td>
<td>Parking brake lever pulled/released</td>
<td>Parking brake switch</td>
<td>Parking brake lever pulled</td>
<td></td>
<td>Below 1.0 • Inspect parking brake switch • Inspect related harness</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Parking brake lever released</td>
<td></td>
<td>B+</td>
</tr>
<tr>
<td><strong>2G</strong></td>
<td>High beam on/off</td>
<td>Headlight switch</td>
<td>Dimmer switch at high beam position</td>
<td></td>
<td>Below 1.0 • Inspect combination switch • Inspect related harness</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Dimmer switch at low beam position</td>
<td></td>
<td>B+</td>
</tr>
<tr>
<td><strong>2H</strong></td>
<td>Headlight switch on/off</td>
<td>Headlight switch</td>
<td>Headlight switch at headlight position</td>
<td></td>
<td>Below 1.0 • Inspect combination switch • Inspect related harness</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Headlight switch at OFF or TNS position</td>
<td></td>
<td>B+</td>
</tr>
</tbody>
</table>
LIGHTING SYSTEMS

INTERIOR AND MAP LIGHT REMOVAL/INSTALLATION

1. Disconnect the negative battery cable.
2. Remove in the order indicated in the table.

<table>
<thead>
<tr>
<th>No.</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Lens</td>
</tr>
<tr>
<td>2</td>
<td>Interior light bulb</td>
</tr>
<tr>
<td>3</td>
<td>Map light bulb</td>
</tr>
<tr>
<td>4</td>
<td>Screw</td>
</tr>
<tr>
<td>5</td>
<td>Interior and map light</td>
</tr>
<tr>
<td>6</td>
<td>Connector</td>
</tr>
</tbody>
</table>

3. Install in the reverse order of removal.

Lens Removal Note

1. Insert a tape-wrapped, flathead screwdriver into the service hole.
2. Twist the flathead screwdriver in the direction indicated by the arrow to remove the lens.

INTERIOR AND MAP LIGHT INSPECTION

1. Remove the interior and map light. (See 09–18–20 INTERIOR AND MAP LIGHT REMOVAL/INSTALLATION.)
2. Inspect for continuity between the interior and map light terminals using an ohmmeter.
   • If not as specified, replace the interior and map light.

<table>
<thead>
<tr>
<th>Switch position</th>
<th>Terminal</th>
<th>A</th>
<th>B</th>
<th>Body GND</th>
</tr>
</thead>
<tbody>
<tr>
<td>Map light switch</td>
<td>ON</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OFF</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interior light switch</td>
<td>ON</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>DOOR</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OFF</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
MAP LIGHT REMOVAL/INSTALLATION

1. Disconnect the negative battery cable.
2. Remove in the order indicated in the table.
3. Install in the reverse order of removal.

| 1 | Lens (See 09–18–21 Lens Removal Note) |
| 2 | Map light bulb |
| 3 | Map light |
| 4 | Connector |

Lens Removal Note

1. Insert a tape-wrapped, flathead screwdriver into the service hole.
2. Twist the flathead screwdriver in the direction indicated by the arrow to remove the lens.

MAP LIGHT INSPECTION

1. Remove the map light. (See 09–18–21 MAP LIGHT REMOVAL/INSTALLATION.)
2. Inspect for continuity between the map light terminals using an ohmmeter.
   - If not as specified, replace the map light.
INTERIOR LIGHT REMOVAL/INSTALLATION

1. Disconnect the negative battery cable.
2. Remove in the order indicated in the table.
3. Install in the reverse order of removal.

| Lens (See 09–18–22 Lens Removal Note) | 1 |
| Interior light bulb | 2 |
| Screw | 3 |
| Interior light | 4 |
| Connector | 5 |

**Lens Removal Note**

1. Insert a tape-wrapped, flathead screwdriver into the service hole.
2. Twist the flathead screwdriver in the direction indicated by the arrow to remove the lens.

INTERIOR LIGHT INSPECTION

1. Remove the interior light. (See 09–18–22 INTERIOR LIGHT REMOVAL/INSTALLATION.)
2. Inspect for continuity between the interior light terminals using an ohmmeter.
   - If not as specified, replace the interior light.
LIGHTING SYSTEMS

TRUNK COMPARTMENT LIGHT BULB REMOVAL/INSTALLATION

1. Disconnect the negative battery cable.
2. Pinch the sides of the lens and pull down to remove.
3. Remove the bulb.
4. Install in the reverse order of removal.

TRUNK COMPARTMENT LIGHT SWITCH INSPECTION

Note
• Trunk compartment light switch has a built-in trunk lid lock.

1. Disconnect the trunk compartment light switch connector.
2. Inspect for continuity between the trunk compartment light switch terminal and a body ground using an ohmmeter.
   • If not as specified, replace the trunk lid lock.

<table>
<thead>
<tr>
<th>Switch position</th>
<th>Terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Locked (trunk lid closed)</td>
<td>A</td>
</tr>
<tr>
<td>Unlocked (trunk lid opened)</td>
<td>B</td>
</tr>
</tbody>
</table>

CARGO COMPARTMENT LIGHT REMOVAL/INSTALLATION

1. Disconnect the negative battery cable.
2. Pinch the sides of the lens and pull to remove.
3. Remove the cargo compartment light bulb.
4. Push the area indicated by the arrow and pull to remove the cargo compartment light.
5. Disconnect the connectors.
6. Install in the reverse order of removal.
LIGHTING SYSTEMS

CARGO COMPARTMENT LIGHT INSPECTION
1. Remove the cargo compartment light. (See 09–18–23 CARGO COMPARTMENT LIGHT REMOVAL/INSTALLATION.)
2. Inspect for continuity between the cargo compartment light terminals using an ohmmeter.
   • If not as specified, replace the cargo compartment light.

<table>
<thead>
<tr>
<th>Switch position</th>
<th>Terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON</td>
<td>A</td>
</tr>
<tr>
<td>OFF</td>
<td></td>
</tr>
</tbody>
</table>

CARGO COMPARTMENT LIGHT SWITCH INSPECTION
1. Remove the liftgate trim. (See 09–17–16 LIFTGATE TRIM REMOVAL/INSTALLATION.)
2. Disconnect the cargo compartment light switch connector.
3. Inspect for continuity between the cargo compartment light switch terminals using an ohmmeter.
   • If not as specified, replace the liftgate lock.

<table>
<thead>
<tr>
<th>Switch position</th>
<th>Terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>On (liftgate open)</td>
<td>A</td>
</tr>
<tr>
<td>Off (liftgate closed)</td>
<td></td>
</tr>
</tbody>
</table>

IGNITION KEY ILLUMINATION BULB REMOVAL/INSTALLATION
1. Disconnect the negative battery cable.
2. Remove the column cover.
3. Remove the ignition key illumination bulb.
4. Install in the reverse order of removal.

DOOR SWITCH REMOVAL/INSTALLATION
Front
1. Disconnect the negative battery cable.
2. Remove the door switch in the order indicated in the table.

| 1 Screw |
| 2 Connector |
| 3 Door switch |
3. Install in the reverse order of removal.

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LIGHTING SYSTEMS

Rear
1. Disconnect the negative battery cable.
2. Remove in the order indicated in the table.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Screw</td>
</tr>
<tr>
<td>2</td>
<td>Connector</td>
</tr>
<tr>
<td>3</td>
<td>Door switch</td>
</tr>
</tbody>
</table>

3. Install in the reverse order of removal.

DOOR SWITCH INSPECTION
1. Remove the door switch. (See 09–18–24 DOOR SWITCH REMOVAL/INSTALLATION.)
2. Inspect for continuity between the door switch terminal and a body ground using an ohmmeter.
   • If not as specified, replace the door switch.

<table>
<thead>
<tr>
<th>Switch position</th>
<th>Terminal</th>
<th>Continuity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressed</td>
<td>A Body GND</td>
<td>○</td>
</tr>
<tr>
<td>Released</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PANEL LIGHT CONTROL SWITCH REMOVAL/INSTALLATION
1. Disconnect the negative battery cable.
2. Remove the driver-side side panel.
3. Remove in the order indicated in the table.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Panel light control switch (See 09–18–25 Panel Light Control Switch Removal Note)</td>
</tr>
<tr>
<td>2</td>
<td>Connector</td>
</tr>
</tbody>
</table>

4. Install in the reverse order of removal.

Panel Light Control Switch Removal Note
1. Insert your hand into the hole in the driver-side side panel, grasp the tabs of the panel light control switch and pull it forward to remove.
LIGHTING SYSTEMS

PANEL LIGHT CONTROL SWITCH INSPECTION

1. Remove the panel light control switch. (See 09–18–25 PANEL LIGHT CONTROL SWITCH REMOVAL/INSTALLATION.)
2. Connect the negative battery cable.
3. Connect the connector to the panel light control switch.
4. Measure the voltage at the panel light control switch as indicated below.
5. Disconnect the panel light control switch connector before inspecting for continuity at terminal D.
   - If not as specified, inspect the parts listed under “Action.”
   - If the parts and wiring harnesses are okay but the system still does not work properly, replace the panel light control switch.

Terminal Voltage List (Reference)

<table>
<thead>
<tr>
<th>Terminal</th>
<th>Signal</th>
<th>Connected to</th>
<th>Test condition</th>
<th>Voltage (V) Continuity</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>B</td>
<td>TNS</td>
<td>TNS relay</td>
<td>Headlight switch at TNS or headlight position</td>
<td>B+</td>
<td>Inspect TNS relay</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Other</td>
<td>Below 1.0</td>
<td>Inspect combination switch</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Inspect TAIL 15 A fuse</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Inspect related harness</td>
</tr>
<tr>
<td>C</td>
<td>Illumination</td>
<td>Each illumination</td>
<td>Inspect using an oscilloscope (See 09–18–25 Terminal C inspection)</td>
<td>—</td>
<td>Inspect each illumination</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Inspect related harness</td>
</tr>
<tr>
<td>D</td>
<td>Ground</td>
<td>GND</td>
<td>Constant: inspect for continuity to ground</td>
<td>Yes</td>
<td>Inspect GND</td>
</tr>
</tbody>
</table>

Terminal C inspection

1. Measure the wave pattern of the C terminal on the panel light control switch using an oscilloscope.
2. Set the headlight switch to either the TNS or headlight position.
3. Set the panel light control switch to the brightest position.
4. Verify that the pattern on the screen is as shown in the figure.
5. Verify that the pattern on the screen matches the pattern shown in the figure as the panel light control switch is gradually turned to the darkest position.