DESCRIPTION
This is the auto LSD switch for 2WD. When the auto LSD switch is pushed on, the auto LSD function is available and the auto LSD indicator light illuminates.

HINT:
The auto LSD does not operate even if the auto LSD switch is pressed under the following conditions:
• The TRC or VSC system is faulty.
• The temperature inside the hydraulic brake booster increases and the auto LSD operation is suspended.

AUTO LSD Indicator Light Remains ON
INSTRUCTIONAL TEXT

1 CHECK CAN COMMUNICATION SYSTEM

(a) Check if the CAN communication system DTC is output (see page CA-34).
Result

<table>
<thead>
<tr>
<th>Result</th>
<th>Proceed to</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTC is not output</td>
<td>A</td>
</tr>
<tr>
<td>DTC is output</td>
<td>B</td>
</tr>
</tbody>
</table>

OK:
The connector is securely connected.

A

B  REPAIR CAN COMMUNICATION SYSTEM

2  CHECK SKID CONTROL ECU CONNECTOR

(a) Check if the skid control ECU connector is securely connected.

OK:
The connector is securely connected.

NG

OK

3  CHECK WIRE HARNESS (SKID CONTROL ECU - BODY GROUND)

(a) Disconnect the A19 ECU connector.
(b) Measure the resistance of the wire harness side connector.

Standard resistance

<table>
<thead>
<tr>
<th>Tester Connection</th>
<th>Switch Condition</th>
<th>Specified Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>A19-43 (CSW) - Body ground</td>
<td>AUTO LSD switch is not pushed</td>
<td>10 kΩ or higher</td>
</tr>
<tr>
<td>A19-43 (CSW) - Body ground</td>
<td>AUTO LSD switch is pushed</td>
<td>Below 1 Ω</td>
</tr>
</tbody>
</table>

NG

OK  Go to step 6
4 INSPECT AUTO LSD SWITCH

(a) Remove the auto LSD switch.
(b) Measure the resistance of the switch.

**Standard resistance**

<table>
<thead>
<tr>
<th>Tester Connection</th>
<th>Switch Condition</th>
<th>Specified Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 - 6</td>
<td>Not pushed</td>
<td>10 kΩ or higher</td>
</tr>
<tr>
<td>3 - 6</td>
<td>Pushed</td>
<td>Below 1 kΩ</td>
</tr>
</tbody>
</table>

NG REPLACE TRACTION CONTROL SWITCH

5 CHECK WIRE HARNESS (SKID CONTROL ECU - TRACTION CONTROL SWITCH)

(a) Disconnect the A19 ECU connector.
(b) Disconnect the E51 switch connector.
(c) Measure the resistance of the wire harness side connectors.

**Standard resistance**

<table>
<thead>
<tr>
<th>Tester Connection</th>
<th>Specified Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>A19-43 (CSW) - E51-6</td>
<td>Below 1 Ω</td>
</tr>
<tr>
<td>E51-3 - Body ground</td>
<td>Below 1 Ω</td>
</tr>
<tr>
<td>A19-43 (CSW) - Body ground</td>
<td>10 kΩ or higher</td>
</tr>
</tbody>
</table>

NG REPAIR OR REPLACE HARNESS AND CONNECTOR

6 CHECK COMBINATION METER

(a) Check the combination meter (see page ME-15).
NG

REPLACE COMBINATION METER ASSEMBLY

OK

REPLACE ABS AND TRACTION ACTUATOR ASSEMBLY