VSC OFF Indicator Light Remains ON

DESCRIPTION
When the rear differential is locked or during the 4WD mode, VSC control turns off and the VSC OFF indicator illuminates. Also, the VSC OFF indicator light is ON when the VSC system is in fail-safe control.

WIRING DIAGRAM

INSPECTION PROCEDURE

NOTICE:
When replacing the master cylinder solenoid, perform zero point calibration (See page BC-24).

1 CHECK DTC

(a) Check if DTCs for VSC are recorded (See page BC-45).

Result

<table>
<thead>
<tr>
<th>Result</th>
<th>Proceed to</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTC not output</td>
<td>A</td>
</tr>
<tr>
<td>DTC output</td>
<td>B</td>
</tr>
</tbody>
</table>
REPAIR CIRCUITS INDICATED BY OUTPUT DTCS

2 INSPECT REAR DIFFERENTIAL LOCK SWITCH

(a) Remove the rear differential lock switch.
(b) Disconnect the rear differential lock switch connector.
(c) Measure the resistance.

**Standard resistance**

<table>
<thead>
<tr>
<th>Tester Connection</th>
<th>Switch Condition</th>
<th>Specified Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 - 4</td>
<td>Released</td>
<td>10 kΩ or higher</td>
</tr>
<tr>
<td>3 - 4</td>
<td>Pushed in</td>
<td>Below 1 Ω</td>
</tr>
</tbody>
</table>

NG REPLACE DIFFERENTIAL LOCK SWITCH

OK

3 CHECK HARNESS AND CONNECTOR (FOUR WHEEL DRIVE CONTROL ECU - DIFFERENTIAL LOCK SWITCH)

(a) Disconnect the four wheel drive control ECU connector.
(b) Disconnect the differential lock switch connector.
(c) Measure the resistance.

**Standard resistance**

<table>
<thead>
<tr>
<th>Tester Connection</th>
<th>Specified Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>L7-4 (R) - E2-4</td>
<td>Below 1 Ω</td>
</tr>
<tr>
<td>L7-4 (R) - Body ground</td>
<td>10 kΩ or higher</td>
</tr>
</tbody>
</table>

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK
4 CHECK HARNESS AND CONNECTOR (SKID CONTROL ECU - COMBINATION METER)

(a) Disconnect the skid control ECU connector.
(b) Disconnect the combination meter connector.
(c) Measure the resistance.

**Standard resistance**

<table>
<thead>
<tr>
<th>Tester Connection</th>
<th>Specified Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>A4-35 (WT) - E14-5 (TROF)</td>
<td>Below 1 Ω</td>
</tr>
<tr>
<td>A4-35 (WT) - Body ground</td>
<td>10 kΩ or higher</td>
</tr>
</tbody>
</table>

NG → REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

5 INSPECT COMBINATION METER ASSEMBLY

(a) Check the combination meter system (See page ME-29).

OK:
Combination meter is normal.

NG → REPLACE COMBINATION METER ASSEMBLY

OK

REPLACE MASTER CYLINDER SOLENOID