DESCRIPTION
If there is a problem with the master cylinder solenoid (skid control ECU) power supply circuit, the skid control ECU outputs the DTC and prohibits operation under the fail-safe function. If the voltage supplied to terminal IG2 is not within the DTC detection threshold due to malfunctions in parts such as the battery and generator circuit, this DTC is stored.

WIRING DIAGRAM
See page BC-97.

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

1 CHECK BATTERY VOLTAGE
(a) Check the battery voltage.
Standard voltage:
11 to 14 V

NG CHECK CHARGING SYSTEM
OK

2 CHECK SKID CONTROL ECU TERMINAL VOLTAGE (IG2)
(a) Disconnect the skid control ECU A5 connector.
(b) Measure the voltage.
Standard voltage

<table>
<thead>
<tr>
<th>Tester Connection</th>
<th>Specified Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>A5-1 (IG2) - A5-4 (GND3)</td>
<td>11 to 14 V</td>
</tr>
</tbody>
</table>

NG REPAIR OR REPLACE HARNESS OR CONNECTOR
OK
3 INSPECT FUSE (IGN)

(a) Remove the IGN fuse from the driver side J/B.
(b) Measure the resistance.

Standard resistance:
Below 1 Ω

NG CHECK FOR SHORTS IN ALL HARNESS AND CONNECTORS CONNECTED TO FUSE AND REPLACE FUSE

OK

4 CHECK HARNESS AND CONNECTOR (GND TERMINAL CONTINUITY)

(a) Confirm that the skid control ECU connector and speed sensor connector are properly connected.
(b) Disconnect the skid control ECU connectors.
(c) Inspect both the connector case and the terminal for deformation and corrosion.

OK: No deformation or corrosion.
(d) Measure the resistance.

Standard resistance

<table>
<thead>
<tr>
<th>Tester Connection</th>
<th>Specified Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>A4-1 (GND1) - Body ground</td>
<td>Below 1 Ω</td>
</tr>
<tr>
<td>A4-32 (GND2) - Body ground</td>
<td>Below 1 Ω</td>
</tr>
<tr>
<td>A5-4 (GND3) - Body ground</td>
<td>Below 1 Ω</td>
</tr>
</tbody>
</table>

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

5 RECONFIRM DTC

(a) Clear the DTC (See page BC-45).
(b) Drive the vehicle at a speed of 2 mph (3 km/h) or more for 7 seconds or more.
(c) Check if the same DTC is output (See page BC-45).

REPLACE MASTER CYLINDER SOLENOID