**DTC** C1254/54  **Pressure Switch Circuit**

**DESCRIPTION**

The accumulator pressure sensor is connected to the skid control ECU in the master cylinder solenoid.

<table>
<thead>
<tr>
<th>DTC No.</th>
<th>DTC Detecting Condition</th>
<th>Trouble Areas</th>
</tr>
</thead>
</table>
| C1254/54| Accumulator pressure sensor fault (Fluid pressure does not change when it should e.g. pump operates, brake pedal depressed/released). | • Master cylinder solenoid (skid control ECU)  
• Hydraulic brake booster (accumulator pressure sensor)  
• Hydraulic brake booster (master cylinder pressure sensor) |
INSPECTION PROCEDURE

1 READ VALUE OF DATA LIST (ACCUMULATOR PRESSURE SENSOR)

(a) Connect the intelligent tester to the DLC3.
(b) Turn the ignition switch off.
(c) Depress the brake pedal more than 20 times.
(d) Turn the ignition switch on.
(e) Select the DATA LIST mode on the intelligent tester.

(f) Confirm whether the accumulator output voltage is normal.

<table>
<thead>
<tr>
<th>Item</th>
<th>Measurement Item / Range (Display)</th>
<th>Normal Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC PRESS SENS</td>
<td>Accumulator pressure sensor reading / min.: 0 V, max.: 5 V</td>
<td>3.58 to 5 V</td>
</tr>
</tbody>
</table>

Result

<table>
<thead>
<tr>
<th>Result</th>
<th>Proceed to</th>
</tr>
</thead>
<tbody>
<tr>
<td>Output value normal</td>
<td>A</td>
</tr>
<tr>
<td>Output value not normal</td>
<td>B</td>
</tr>
</tbody>
</table>

B REPLACE HYDRAULIC BRAKE BOOSTER

A

2 READ VALUE OF DATA LIST (MASTER CYLINDER PRESSURE SENSOR)

(a) Turn the ignition switch off.
(b) Depress the brake pedal more than 20 times.
(c) Install a brake pedal effort gauge (SST), and bleed air.
(d) Connect the intelligent tester to the DLC3.
(e) Turn the ignition switch on.
(f) Select the DATA LIST mode on the intelligent tester.

(g) Check that the master cylinder output value is in the Normal Condition range.

OK:
Master cylinder pressure sensor value is in the Normal Condition.

NG REPLACE HYDRAULIC BRAKE BOOSTER
3 RECONFIRM DTC

(a) Clear the DTC (See page BC-45).
(b) Turn the ignition switch off.
(c) Depress the brake pedal more than 20 times.
(d) Turn the ignition switch on.
(e) Wait until the pump motor stops.
(f) Depress the brake pedal and release it.
(g) Wait for 25 minutes.
(h) Check if the same DTC is recorded (See page BC-45).

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

REPLACE MASTER CYLINDER SOLENOID