

<b>DTC</b>	<b>P0750, P0755</b>	<b>Shift Solenoid Valve Malfunction (Shift Solenoid Valve No.1/No.2)</b>
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## SYSTEM DESCRIPTION

The ECM uses signals from the vehicle speed sensor to detect the actual gear position (1st, 2nd, 3rd or O/D gear).

Then the ECM compares the actual gear with the shift schedule in the ECM memory to detect mechanical trouble of the shift solenoid valves and valve body.

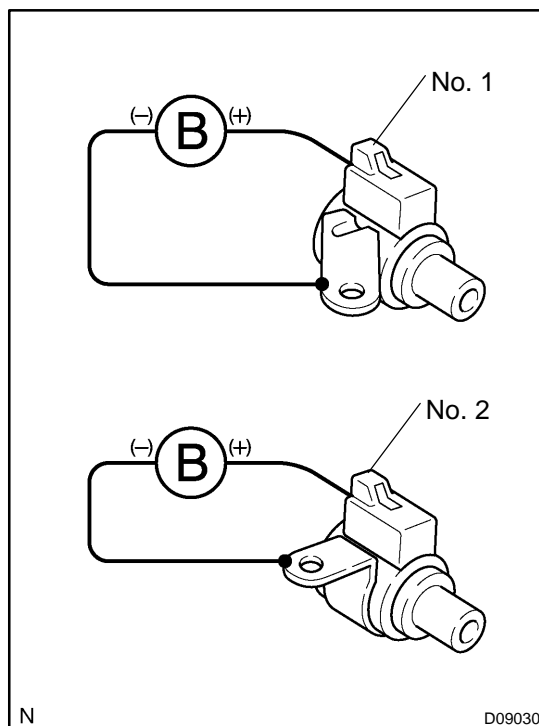
DTC No.	DTC Detecting Condition	Trouble Area
P0750 P0755	During normal driving, the gear required by the ECM does not match the actual gear (2-trip detection logic)	<ul style="list-style-type: none"> <li>• Shift solenoid valve No. 1/No. 2 is stuck open or closed</li> <li>• Valve body is blocked up or stuck</li> </ul>

### HINT:

Check the shift solenoid valve No. 1 when DTC P0750 is output and check the shift solenoid valve No. 2 when DTC P0755 is output.

## INSPECTION PROCEDURE

<b>1</b>	<b>Check shift solenoid valve No. 1 or No. 2 operation.</b>
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### PREPARATION:

- Remove the oil pan.
- Remove the shift solenoid valve No. 1 or No. 2.

### CHECK:

Connect positive  $\oplus$  lead to terminal of solenoid connector, negative  $\ominus$  lead to solenoid body.

### OK:

**The solenoid makes an operating noise.**



2002 ECHO (RM884U)



**Replace the shift solenoid valve No. 1 or No. 2.**

<b>2</b>	<b>Check the valve body (See page <a href="#">DI-163</a> ).</b>
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<b>NG</b>	<b>Repair or replace the valve body.</b>
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<b>OK</b>
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<b>Repair or replace the transaxle.</b>
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