

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

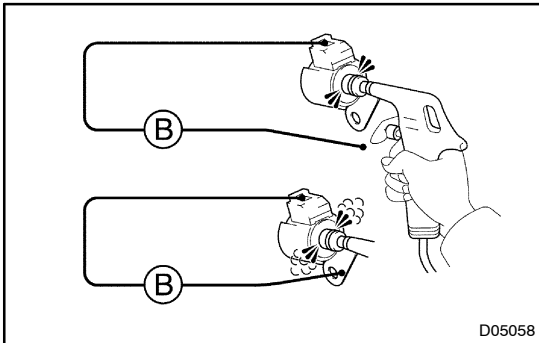
The Engine and ECT ECU uses signals from the vehicle speed sensor and input / turbine speed sensor to detect the actual gear position (1st, 2nd, 3rd or 4th gear). The Engine and ECT ECU then compares the actual gear with the shift schedule in the Engine and ECT ECU memory to detect mechanical trouble of the shift solenoid valves, valve body and automatic transmission (clutch, brake or gear etc.).

DTC No.	DTC Detecting Condition	Trouble Area
P0750 P0755	During normal driving, the gear required by the Engine and ECT ECU 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> <li>• Automatic transmission assembly</li> </ul>

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

## INSPECTION PROCEDURE

## 1 Check No. 1 or No. 2 solenoid valve operation.

**PREPARATION:**

- (a) Jack up the vehicle.
- (b) Remove the oil pan.
- (c) Disconnect the solenoid connector.
- (d) Remove the No. 1 or No. 2 solenoid valve.

**CHECK:**

- (a) Applying 490 kPa (5 kgf/cm<sup>2</sup> 71 psi) of compressed air, check that the solenoid valves do not leak air.
- (b) When battery positive voltage is supplied to the solenoid valves, check that the solenoid valves are open.

**OK:**

- (a) Solenoid valve does not leak air.
- (b) Solenoid valve opens.

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

OK

## 2 Check valve body (See page DI-175).

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Repair or replace the valve body.

OK

Replace the transmission  
(See page AT-28).