

<b>DTC</b>	<b>P0750</b>	<b>Shift Solenoid A Malfunction (Shift Solenoid Valve SL1)</b>
------------	--------------	--

<b>DTC</b>	<b>P0755</b>	<b>Shift Solenoid B Malfunction (Shift Solenoid Valve SL2)</b>
------------	--------------	--

<b>DTC</b>	<b>P0765</b>	<b>Shift Solenoid D Malfunction (Shift Solenoid Valve S4)</b>
------------	--------------	---

## 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 P0765	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 A/B/D is stuck open or closed</li> <li>• Valve body is blocked up or stuck</li> </ul>

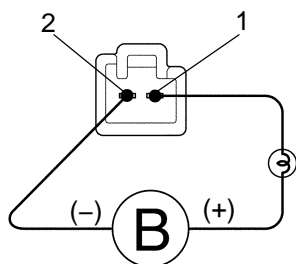
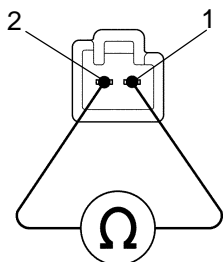
### HINT:

Check the shift solenoid valve A when DTC P0750 is output, check the shift solenoid valve B when DTC P0755 is output and check shift solenoid D when DTC P0765 is output.

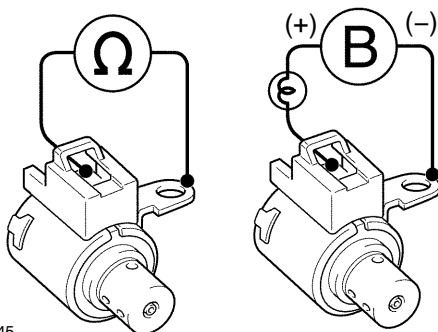
## INSPECTION PROCEDURE

## 1 Check shift solenoid valve A, B or D operation.

## Shift Solenoid Valve A and B



## Shift Solenoid Valve D



D03445  
D03446  
D03424 D03423

D03724

OK

**PREPARATION:**

- (a) Jack up the vehicle.
- (b) Remove the oil pan.
- (c) Remove the shift solenoid valve A, B or D.

**CHECK:**

- (a) Check the solenoid resistance.
  - (1) Solenoid valve A or B:  
Measure resistance between terminals 1 and 2 of solenoid connector.
  - (2) Solenoid valve D:  
Measure resistance between terminal 1 of solenoid connector and solenoid body.
- (b) Check the solenoid operation.
  - (1) Solenoid valve A or B:  
Connect the positive (+) lead with an 23 W bulb to terminal 1 and the negative (-) lead to terminal 2 of solenoid connector, then check the movement of the valve.
  - (2) Solenoid valve D:  
Connect the positive (+) lead with an 23 W bulb to terminal 1 of solenoid connector and the negative (-) lead to the solenoid valve body, then check the movement of the valve.

**OK:**

- 1: Resistance 5.1 – 5.5 Ω
- 2: The shift solenoid valve makes operation noise.

NG

Replace the shift solenoid valve A, B or D.

Check the valve body (See page [DI-172](#)).