

<b>DTC</b>	<b>P0773</b>	<b>Shift Solenoid E Electrical Malfunction (Shift Solenoid Valve DSL)</b>
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**CIRCUIT DESCRIPTION**

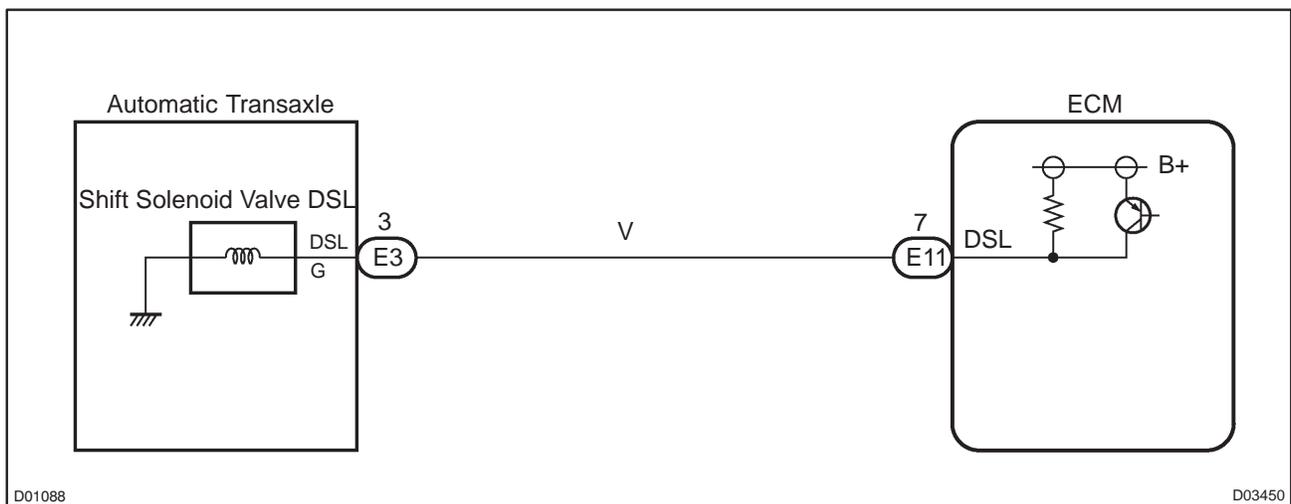
The shift solenoid valve DSL is turned ON and OFF by signals from the ECM in order to control the hydraulic pressure acting on the lock-up relay valve, which then controls the operation of the lock-up clutch.

DTC No.	DTC Detecting Condition	Trouble Area
P0773	Either (a) or (b) are detected at 1 time (2-trip detection logic) (a) Solenoid resistance is 8 Ω or less short circuit when solenoid is energized. (b) Solenoid resistance is 100 kΩ or more open circuit when solenoid is not energized.	<ul style="list-style-type: none"> <li>●Open or short in shift solenoid valve DSL circuit</li> <li>●Shift solenoid valve DSL</li> <li>●ECM</li> </ul>

Fail safe function:

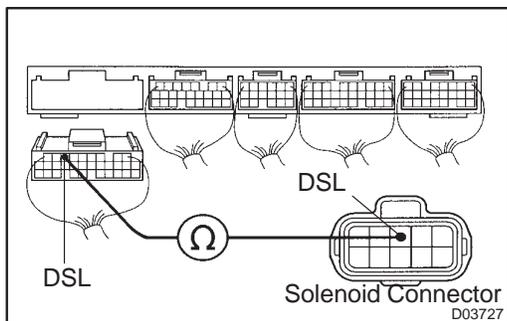
If the ECM detects a malfunction, it turns the shift solenoid valve DSL OFF.

**WIRING DIAGRAM**



## INSPECTION PROCEDURE

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| <b>1</b> | <b>Check harness and connector between ECM and automatic transaxle solenoid connector.</b> |
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### **PREPARATION:**

- (a) Disconnect the solenoid connector from the transaxle.
- (b) Disconnect the connector from the ECM.

### **CHECK:**

Measure the harness and connector between terminal DSL of the ECM and terminal DSL of the solenoid connector.

### **OK:**

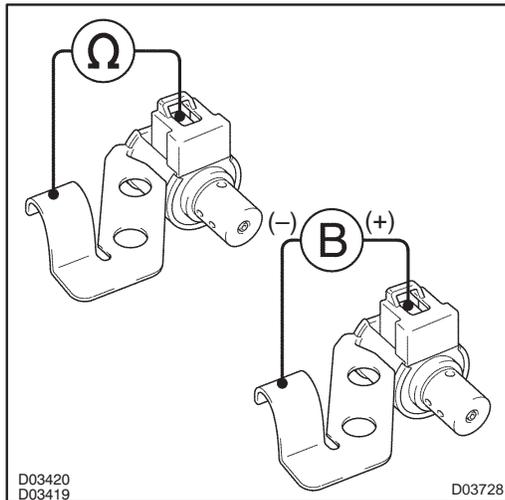
**There is continuity.**

**NG**

**Repair or replace harness or connector.**

**OK**

<b>2</b>	<b>Check shift solenoid valve DSL.</b>
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**PREPARATION:**

- (a) Jack up the vehicle.
- (b) Remove the oil pan (See page AX-7).
- (c) Disconnect the shift solenoid valve DSL connector.
- (d) Remove the shift solenoid valve DSL.

**CHECK:**

- (a) Measure the resistance between terminal DSL of the shift solenoid valve and the solenoid body.
- (b) Connect the positive (+) lead to terminal of the solenoid connector, the negative (-) lead to the solenoid body.

**OK:**

- (a) Resistance: 11 – 15 Ω
- (b) The shift solenoid valve DSL makes operation noise.

<b>NG</b>	<b>Replace shift solenoid valve DSL.</b>
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<b>OK</b>
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<b>Check and replace or repair solenoid wire.</b>
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<b>DTC</b>	<b>P1520</b>	<b>Stop Light Switch Signal Malfunction</b>
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### CIRCUIT DESCRIPTION

The purpose of this circuit is to prevent the engine from stalling while driving in lock-up condition, when brakes are suddenly applied.

When the brake pedal is operated, this switch sends a signals to the ECM. Then the ECM cancels the operation of the lock-up clutch while braking is in progress.

DTC No.	DTC Detecting Condition	Trouble Area
P1520	No stop light switch signal to ECM during driving (2-trip detection logic)	<ul style="list-style-type: none"> <li>●Open or short in stop light switch circuit</li> <li>●Stop light switch</li> <li>●ECM</li> </ul>

### WIRING DIAGRAM

See page [DI-137](#).

### INSPECTION PROCEDURE

See page [DI-137](#).