

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

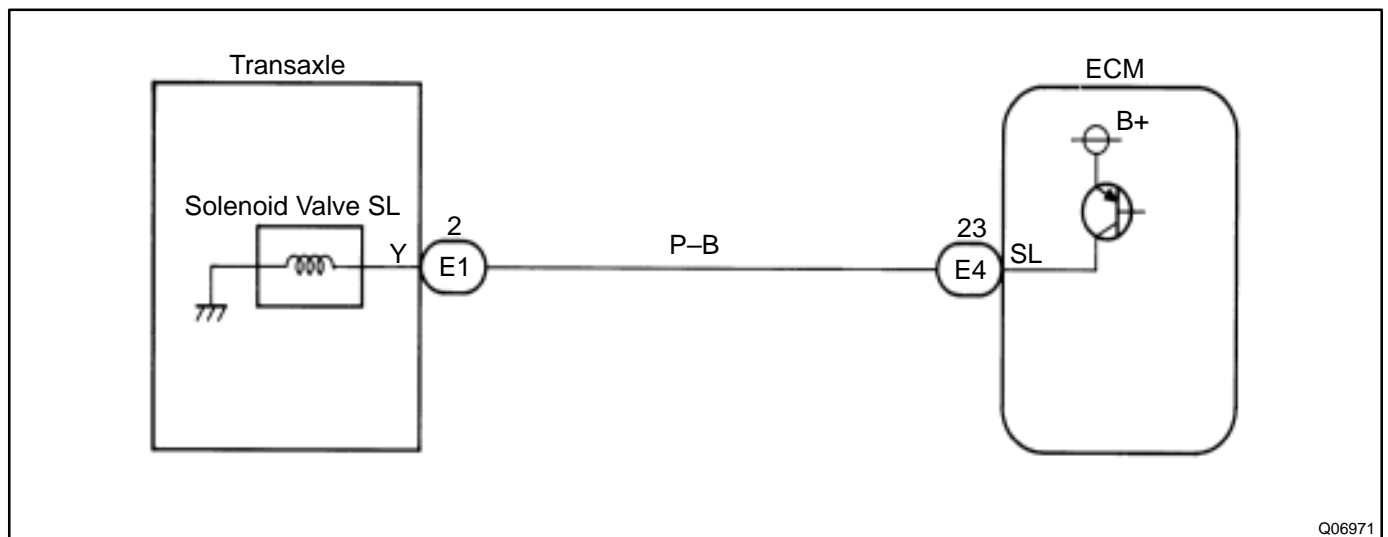
The shift solenoid valve SL is turned ON and OFF by signals from the ECM to control the hydraulic pressure acting on the lock-up relay valve, which then controls operation of the lock-up clutch.

### Fail Safe Function

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

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

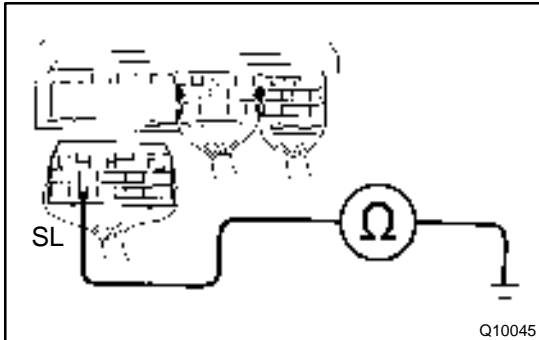
## WIRING DIAGRAM



Q06971

## INSPECTION PROCEDURE

- |   |  |
|---|--|
| 1 | Measure resistance between terminal SL of ECM and body ground. |
|---|--|

**PREPARATION:**

Disconnect the connector from ECM.

**CHECK:**

Measure resistance between terminal SL of ECM and body ground.

**OK:**

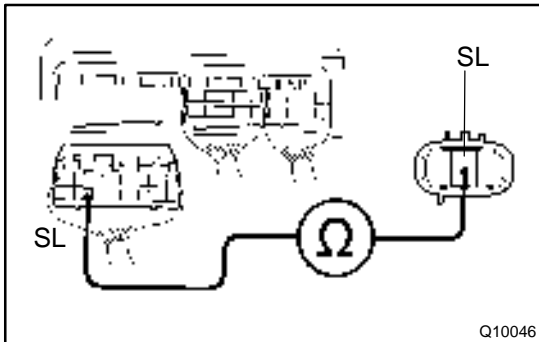
Resistance: 11 – 15  $\Omega$

OK

Check and replace ECM.

NG

- |   |   |
|---|---|
| 2 | Check harness and connector between ECM and automatic transaxle solenoid connector (See Page <a href="#">IN-27</a> ). |
|---|---|

**PREPARATION:**

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

**CHECK:**

Check harness between terminal SL of ECM and terminal SL of automatic trasaxle solenoid connector.

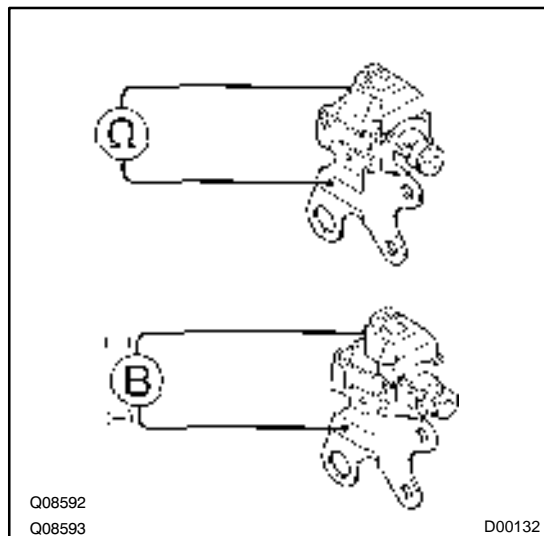
**OK:**

There is no open or short circuit.

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Repair or replace harness or connector.

OK

**3 Check shift solenoid valve SL.****PREPARATION:**

- (a) Jack up the vehicle.
- (b) Remove the oil pan.
- (c) Disconnect the shift solenoid valve SL connector.
- (d) Remove the shift solenoid valve SL.

**CHECK:**

Measure resistance between solenoid connector and solenoid body.

**OK:**

**Resistance: 11 – 15 Ω**

**CHECK:**

Connect positive ⊕ lead to terminal of solenoid connector, negative ⊖ lead to solenoid body.

**OK:**

**The shift solenoid valve SL makes operation noise.**

**NG**

**Replace shift solenoid valve SL.**

**OK**

**Check and replace or repair the solenoid wire.**