

DTC	P0773	Shift Solenoid E Electrical Malfunction (Shift Solenoid Valve SL)
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CIRCUIT DESCRIPTION

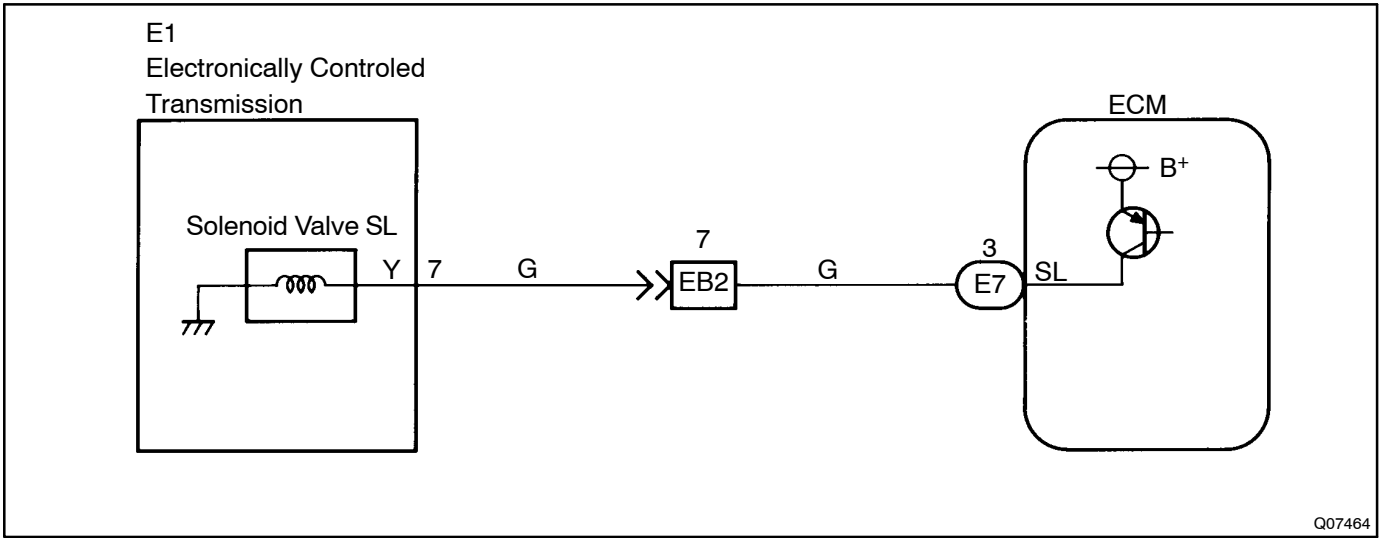
The shift solenoid valve SL is turned ON and OFF by signals from the ECM to control the hydraulic pressure acting on the lock-up relay valve, which then controls operation of the lock-up clutch.

DTC No.	DTC Detecting Condition	Trouble Area
P0773	Either (a) or (b) is detected 1 time. (2-trip detection logic) (a) Solenoid resistance is 8 Ω or less (short circuit) when the solenoid is energized. (b) Solenoid resistance is 100 kΩ or more (open circuit) when the solenoid is not energized.	• Open or short in shift solenoid valve SL circuit • Shift solenoid valve SL • ECM

Fail safe function:

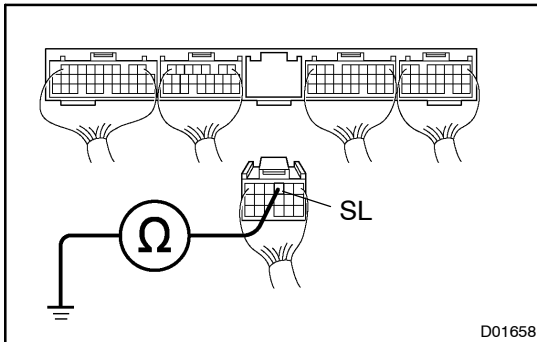
If the ECM detects a malfunction, it turns the shift solenoid valve SL OFF.

WIRING DIAGRAM



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:

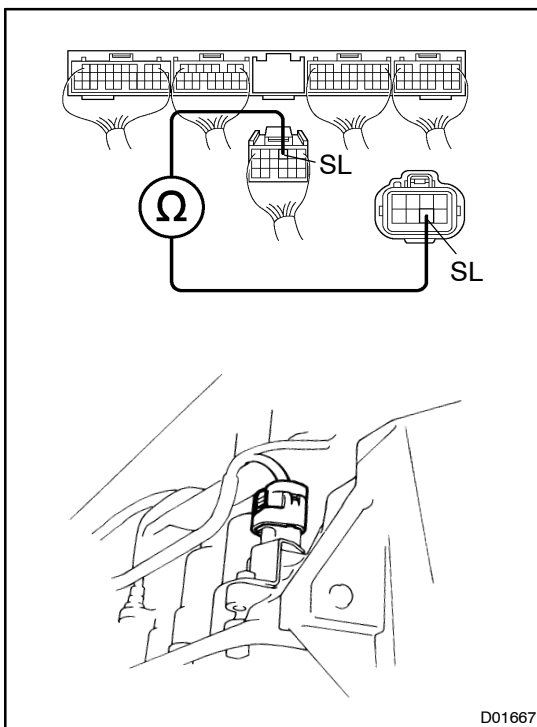
Resistance: 11 – 15 Ω 20 °C (68 °F)

OK

Check and replace the ECM (See page [IN-34](#)).

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- 2 Check harness and connector between ECM and automatic transmission solenoid connector.**

**PREPARATION:**

Disconnect the solenoid connector from the transmission.

CHECK:

Check the harness between terminal SL of ECM and terminal SL of transmission solenoid connector.

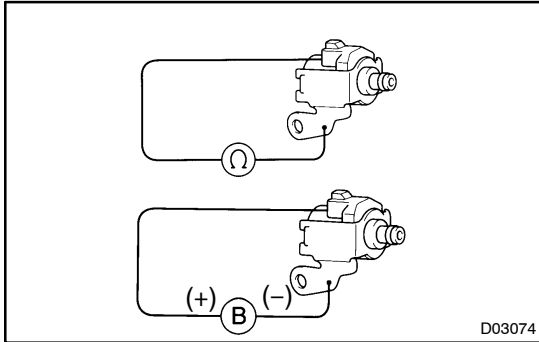
OK:

There is no open circuit.

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Repair or replace the harness or connector.

OK

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

- (a) Remove the oil pan.
- (b) Remove the shift solenoid valve SL.

CHECK:

- (a) Measure resistance between terminal SL of shift solenoid valve and solenoid body.
- (b) Connect positive $\oplus$ lead to terminal of solenoid connector, negative $\ominus$ lead to solenoid body.

OK:

- (a) **Resistance: 11 – 15 Ω 20 °C (68 °F)**
- (b) **The shift solenoid valve SL makes operation noise.**

NG**Replace the shift solenoid valve SL.****OK****Repair or replace the solenoid wire.**