

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

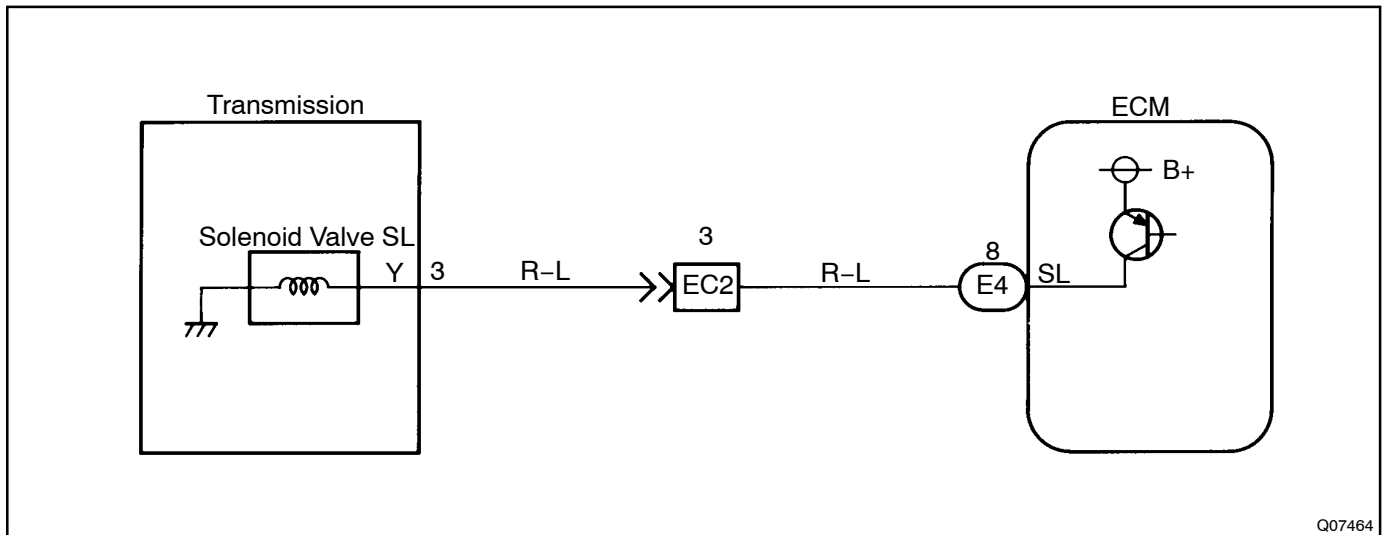
The shift solenoid valve SL is turned ON and OFF by signals from the ECM to control the hydraulic pressure acting on the lock-up relay valve, which then controls operation of the lock-up clutch.

Fail safe function:

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

DTC No.	DTC Detection Condition	Trouble Area
P0773	Either (a) or (b) are detected for 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

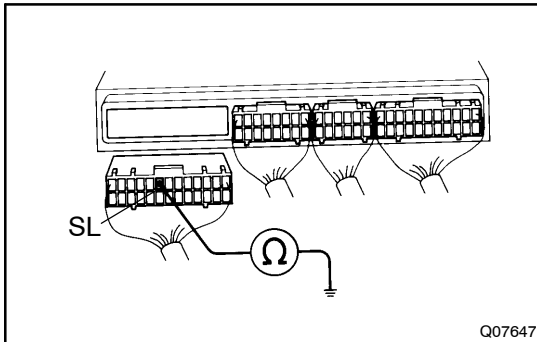
WIRING DIAGRAM



Q07464

INSPECTION PROCEDURE

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

**PREPARATION:**

Disconnect the connector from ECM.

CHECK:

Measure the resistance between terminal SL of ECM and body ground.

OK:

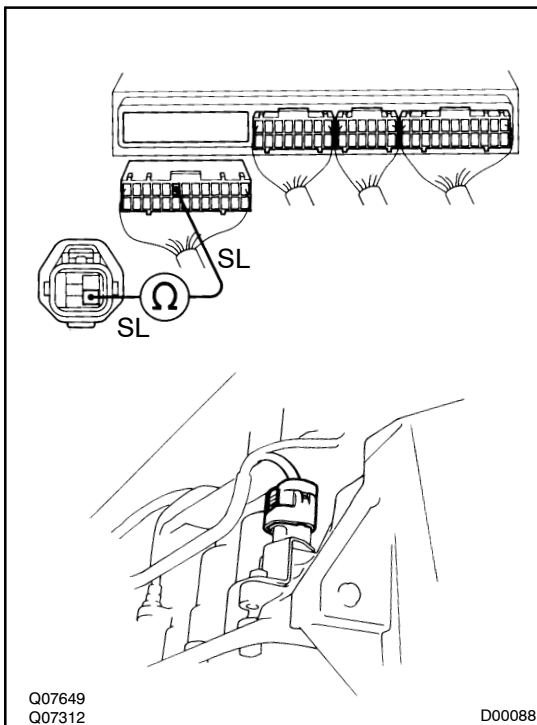
Resistance: 11 – 15 Ω

OK

Check and replace ECM.

NG

- 2 Check harness and connector between ECM and automatic transmission solenoid connector (See page IN-27).**

**PREPARATION:**

Disconnect the solenoid connector from the transmission.

CHECK:

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

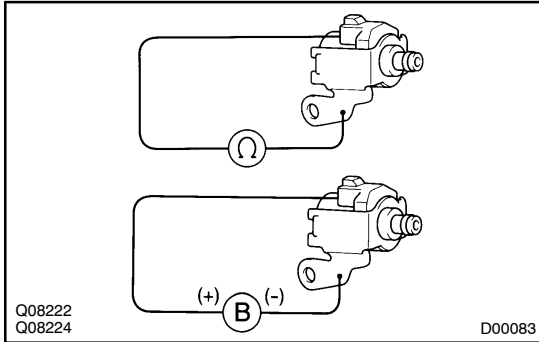
OK:

There is no open or short circuit.

NG

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

OK:**(a) Resistance: 11 – 15 Ω****(b) The shift solenoid valve SL makes operation noise.****NG****Replace shift solenoid valve SL.****OK****Repair or replace solenoid wire.**