

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

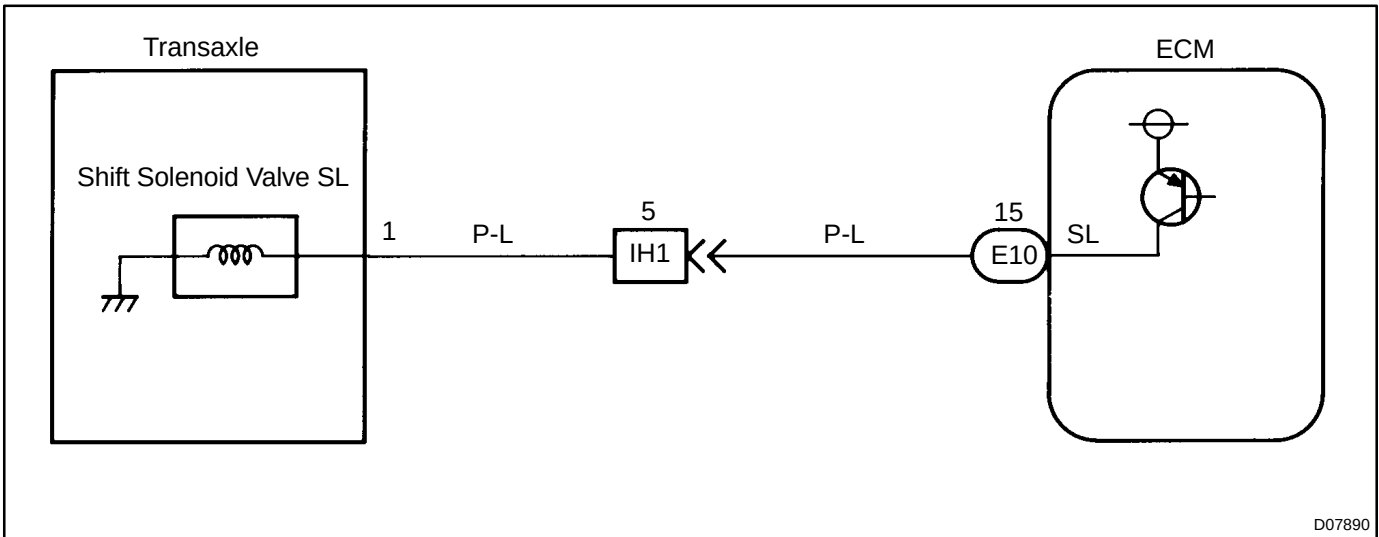
The shift solenoid valve SL is turned ON and OFF by signals from the ECM to control the hydraulic pressure acting on the lock-up relay valve, which then controls operation of the lock-up clutch.

Fail safe function:

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

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

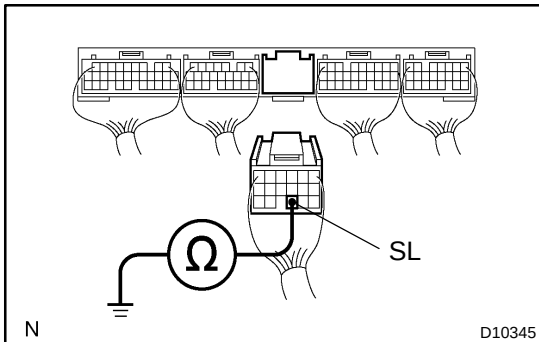
WIRING DIAGRAM



D07890

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:

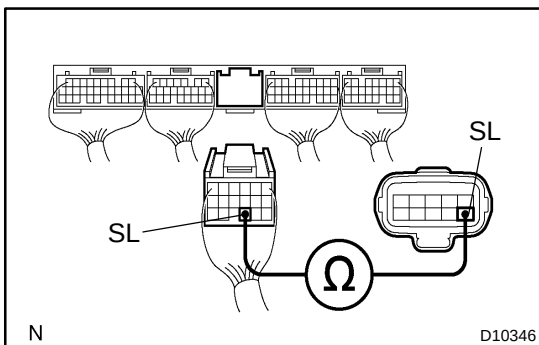
Resistance: 11 - 15 Ω at 20 °C (68 °F)

OK

Check and replace the ECM (See page [IN-31](#)).

NG

- 2 Measure resistance of harness and connector between ECM and automatic transaxle solenoid connector.**

**PREPARATION:**

Disconnect the solenoid connector from the transaxle.

CHECK:

Measure resistance of the harness and connector between terminal SL of ECM and terminal SL of solenoid connector.

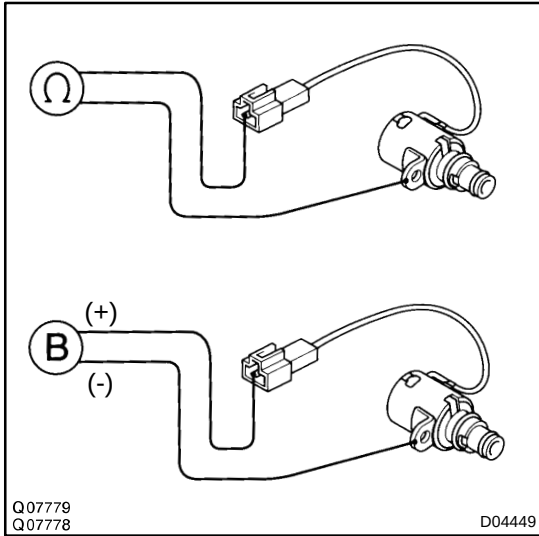
OK:

Resistance: 0 Ω

NG

Repair or replace the 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:

- (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 at 20 °C (68 °F)
- (b) The shift solenoid valve SL makes operation noise.

NG**Replace the shift solenoid valve SL.****OK**

Replace or repair the solenoid wire, harness and connector between ECM and automatic transaxle solenoid connector.