

DTC	P0773/64	Shift Solenoid E Electrical Malfunction (SL Solenoid Valve)
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CIRCUIT DESCRIPTION

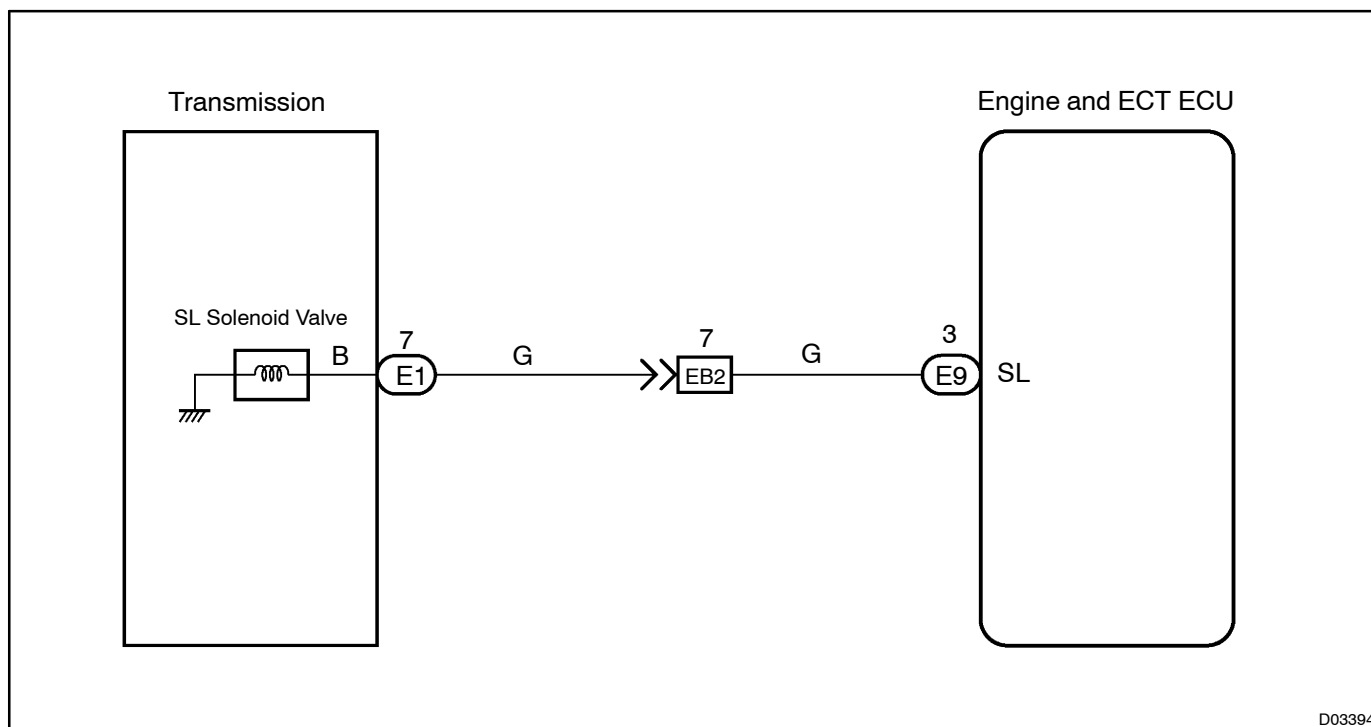
The SL solenoid valve is turned ON and OFF by signals from the Engine and ECT ECU to control the hydraulic pressure acting on the lock-up relay valve, which then controls operation of the lock-up clutch.

DTC No.	DTC Detecting Condition	Trouble Area
P0773/64	Either (a) or (b) is detected for 1 time. (a) Solenoid resistance is 8 Ω or less (short circuit) when the solenoid is energized. (b) Solenoid resistance is 100 k Ω or more (open circuit) when the solenoid is not energized.	• Open or short in SL solenoid valve circuit • SL solenoid valve • Engine and ECT ECU

Fail safe function

If the Engine and ECT ECU detects a malfunction, it turns the SL solenoid valve OFF.

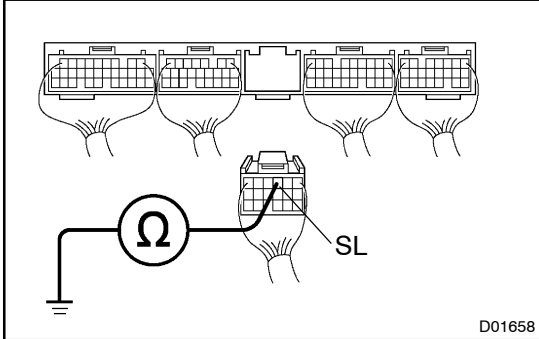
WIRING DIAGRAM



D03394

INSPECTION PROCEDURE

- | | |
|----------|--|
| 1 | Measure resistance between terminal SL of Engine and ECT ECU and body ground. |
|----------|--|

**PREPARATION:**

- (a) Remove the glove compartment door
(See page [BO-127](#)).
- (b) Disconnect the connector from Engine and ECT ECU.

CHECK:

Measure resistance between terminal SL of Engine and ECT ECU and body ground.

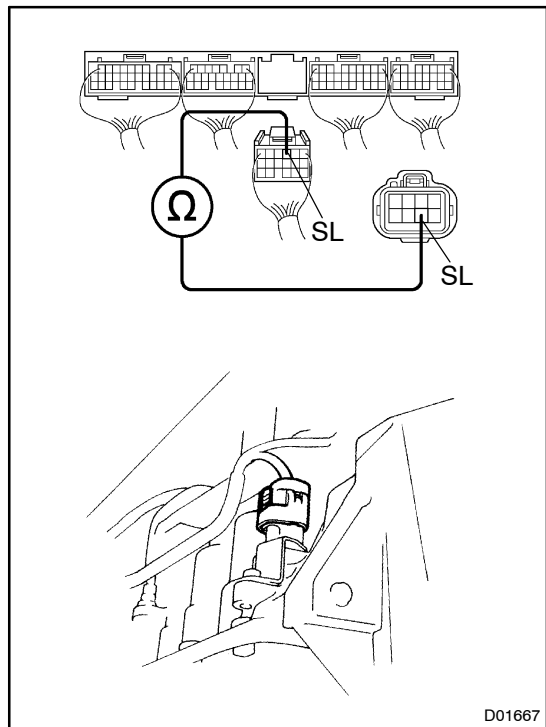
OK:

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

OK

**Check and replace the Engine and ECT ECU
(See page [IN-35](#)).**

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2 Check harness and connector between Engine and ECT ECU and automatic transmission solenoid connector.**PREPARATION:**

Disconnect the solenoid connector from the transmission.

CHECK:

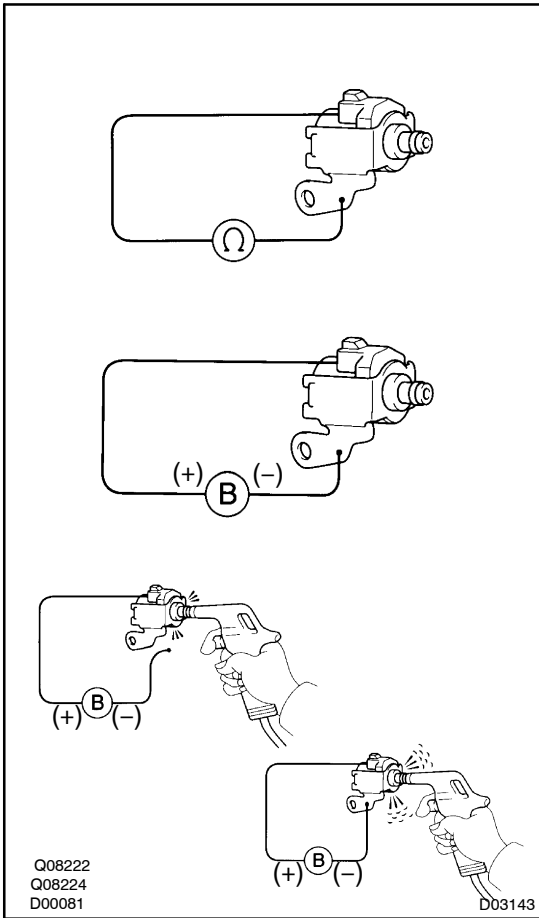
Check the harness between terminal SL of Engine and ECT ECU and terminal SL of transmission solenoid connector.

OK:

There is no open or short circuit.

NG**Repair or replace the harness or connector.****OK**

3 Check SL solenoid valve.



Electrical Check:

PREPARATION:

- Jack up the vehicle.
- Remove the oil pan.
- Disconnect the solenoid connector.
- Remove the SL solenoid valve.

CHECK:

- Measure resistance between terminal SL of solenoid valve and solenoid body.
- Connect positive $\oplus$ lead of the battery to terminal of solenoid connector, negative $\ominus$ lead of the battery to solenoid body.

OK:

- (1) Resistance: 11 – 15 Ω at 20 °C (68 °F)
- (2) The SL solenoid valve makes operating noise.

Mechanical Check:

PREPARATION:

- Jack up the vehicle.
- Remove the oil pan.
- Disconnect the solenoid connector.
- Remove the SL solenoid valve.

CHECK:

- Applying 490 kPa (5 kgf/cm², 71 psi) of compressed air, check that the solenoid valve does not leak air.
- When battery positive voltage is supplied to the solenoid valve, check that the solenoid valve opens.

OK:

- Solenoid valve does not leak air
- Solenoid valve opens

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Replace the SL solenoid valve.

OK

Repair or replace the solenoid wire.