

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

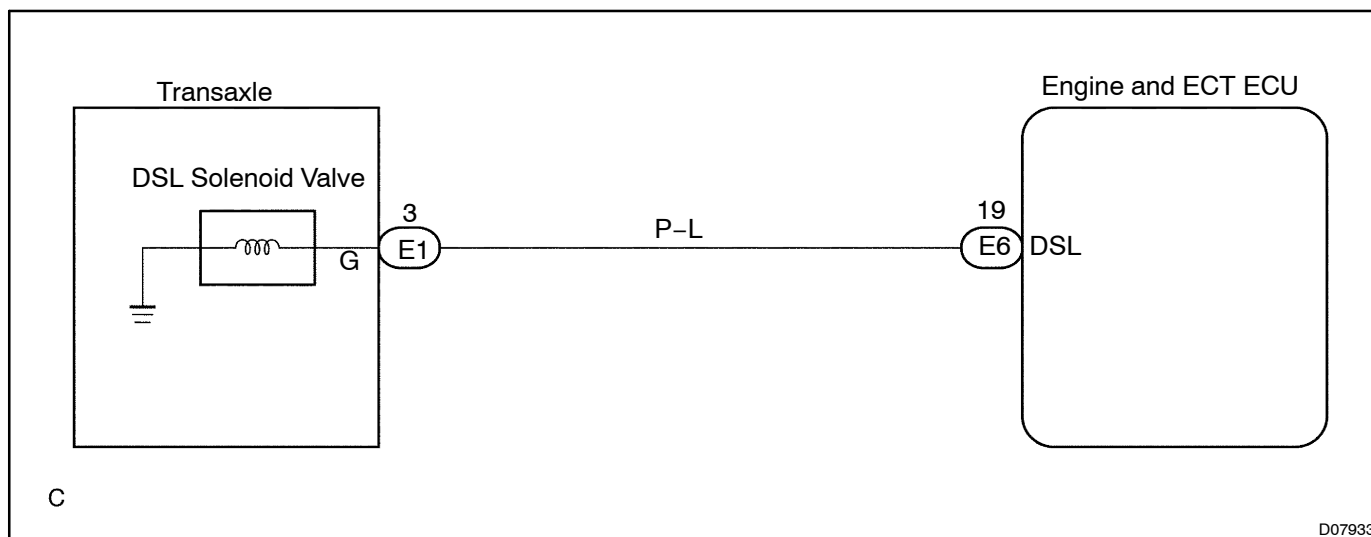
The DSL solenoid valve is turned ON and OFF by signals from the Engine and ECT ECU to control the hydraulic pressure acting on the lock-up relay valve, which then controls operation of the lock-up clutch.

DTC No.	DTC Detecting Condition	Trouble Area
P0773/64	Either (a) or (b) are detected for 1 time. (2-trip detection logic) (a) Solenoid resistance is 8 Ω or less short circuit when solenoid is energized. (b) Solenoid resistance is 100 kΩ or more open circuit when solenoid is not energized.	• Open or short in DSL solenoid valve circuit • DSL solenoid valve • Engine and ECT ECU

Fail safe function:

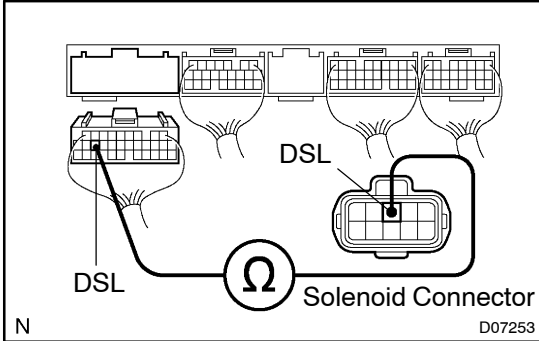
If the Engine and ECT ECU detects a malfunction, it turns the DSL solenoid valve OFF.

WIRING DIAGRAM



INSPECTION PROCEDURE

- | | |
|----------|---|
| 1 | Check harness and connector between Engine and ECT ECU and automatic transaxle solenoid connector. |
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PREPARATION:

- (a) Disconnect the solenoid connector from the transaxle.
- (b) Disconnect the connector from the Engine and ECT ECU.

CHECK:

Measure the harness and connector between terminal DSL of Engine and ECT ECU and terminal DSL of solenoid connector.

OK:

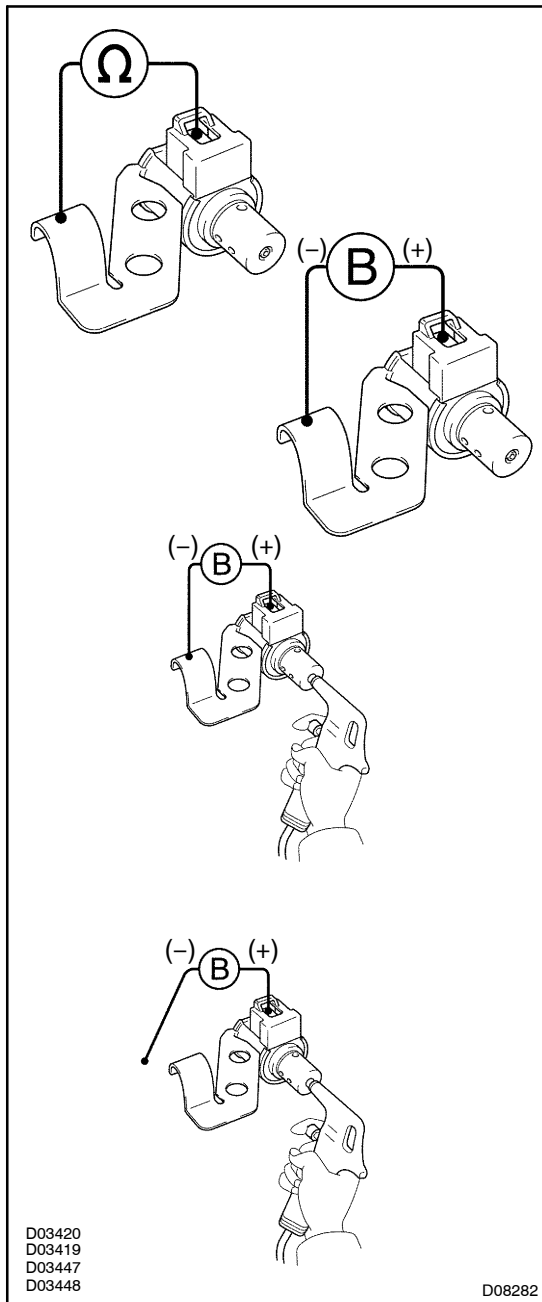
There is continuity.

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Repair or replace the harness or connector.

OK

2 Check shift solenoid valve DSL.



Electrical Check:

PREPARATION:

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

CHECK:

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

OK:

- Resistance: 11 – 15 Ω**
- The DSL solenoid valve makes operation noise.**

Mechanical Check:

PREPARATION:

- Remove the oil pan.
- Remove the DSL 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 shift solenoid valve, check that the solenoid valve opens.

OK:

- Solenoid valve does not leak air.**
- Solenoid valve opens.**

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Replace the DSL solenoid valve.

OK

Check and replace or repair the solenoid wire.