DI6RV–01

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

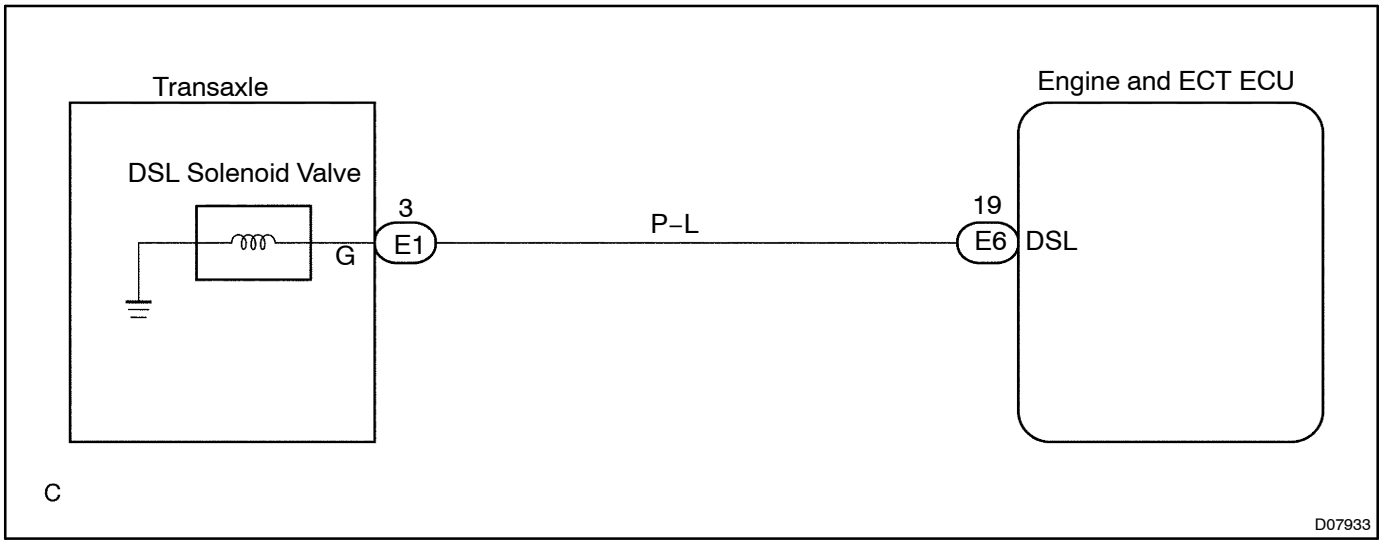
CIRCUIT DESCRIPTION

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

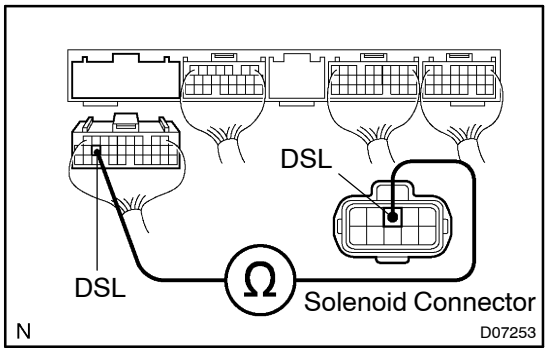
Fail safe function:
If the Engine and ECT ECU detects a malfunction, it turns the DSL solenoid valve OFF.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Check harness and connector between Engine and ECT ECU and automatic transaxle solenoid connector.**



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.

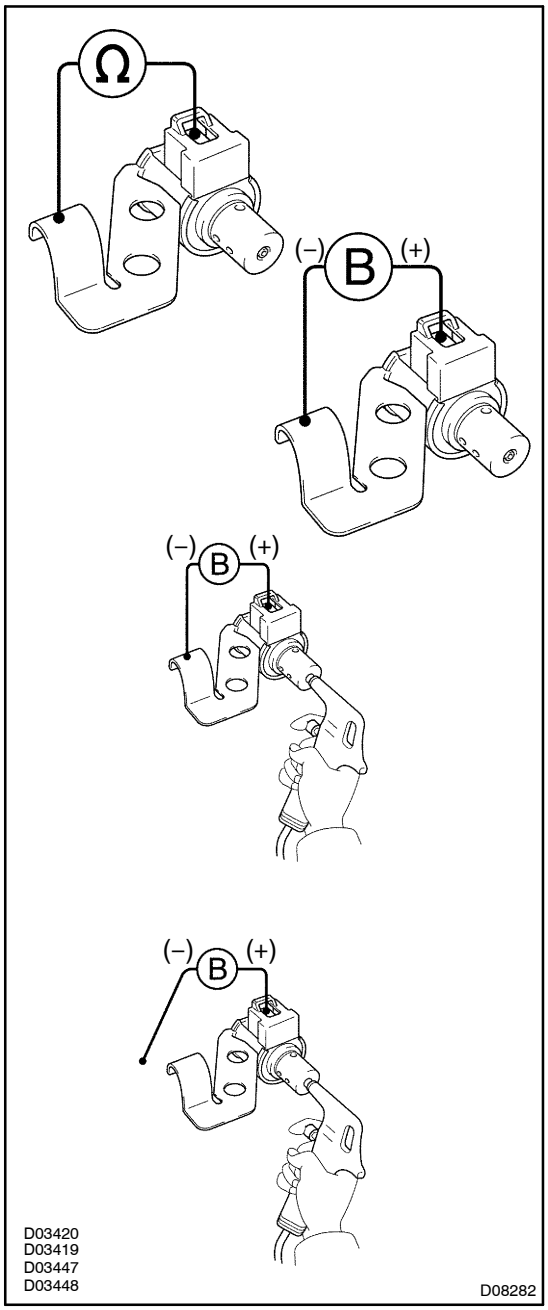
OK:

There is continuity.

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

OK

2	Check shift solenoid valve DSL.



Electrical Check:

PREPARATION:

(a) Jack up the vehicle.
(b) Remove the oil pan.
(c) Disconnect the DSL solenoid valve connector.
(d) Remove the DSL solenoid valve.

CHECK:

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

OK:

(a) Resistance: 11 – 15 Ω
(b) The DSL solenoid valve makes operation noise.

Mechanical Check:

PREPARATION:

(a) Remove the oil pan.
(b) Remove the DSL solenoid valve.

CHECK:

(a) Applying 490 kPa (5 kgf/cm^2, 71 psi) of compressed air, check that the solenoid valve does not leak air.
(b) When battery positive voltage is supplied to the shift solenoid valve, check that the solenoid valve opens.

OK:

(a) Solenoid valve does not leak air.
(b) Solenoid valve opens.

NG → **Replace the DSL solenoid valve.**

OK

Check and replace or repair the solenoid wire.