DI9TE–01

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

CIRCUIT DESCRIPTION

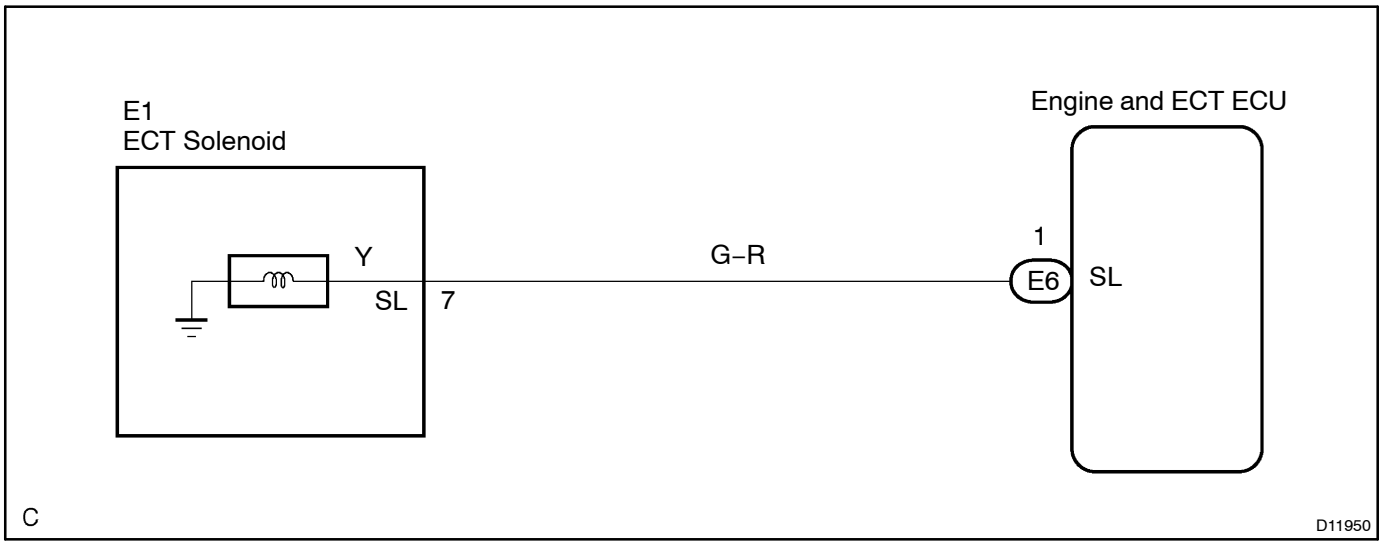
The SL solenoid valve is turned ON and OFF by signals from the Engine & ECT ECU to control the hydraulic pressure acting on the lock–up relay valve, which then controls operation of the lock–up clutch.

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 kΩ or more (open circuit) when the solenoid is not energized.	• Open or short in SL solenoid valve circuit • SL solenoid valve • Engine & ECT ECU

Fail safe function

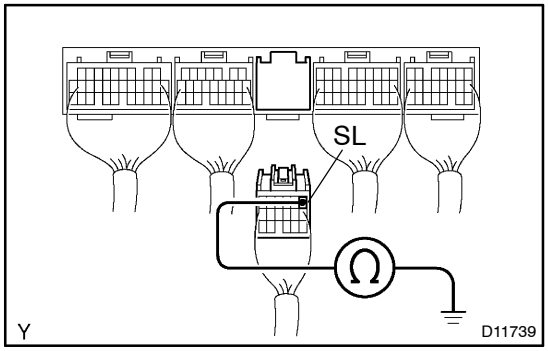
If the Engine & ECT ECU detects a malfunction, it turns the SL solenoid valve OFF.

WIRING DIAGRAM



INSPECTION PROCEDURE

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

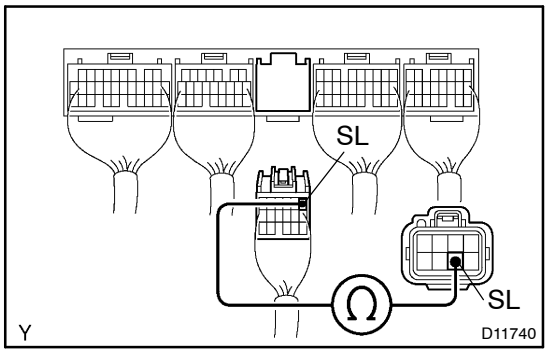


PREPARATION:
Disconnect the connector from the Engine & ECT ECU.
CHECK:
Measure resistance between terminal SL of the Engine & ECT ECU and body ground.
OK:
Resistance: 11 – 15 Ω at 20°C (68°F)

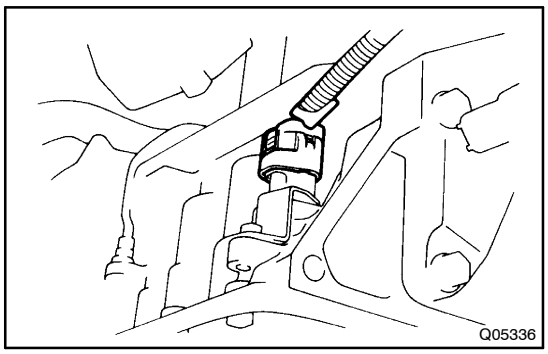
OK → **Check and replace Engine & ECT ECU (See page IN–26).**

NG

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



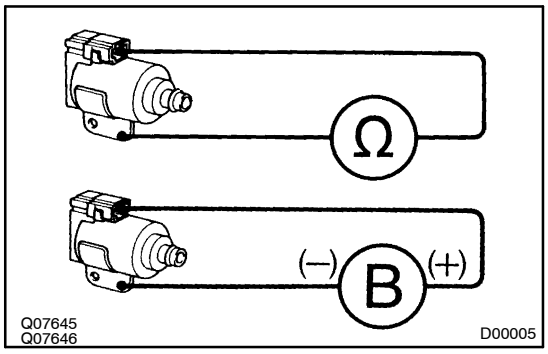
PREPARATION:
Disconnect the solenoid connector from the transmission.
CHECK:
Check the harness between terminal SL of the Engine & ECT ECU and terminal SL of the transmission solenoid connector.
OK:
There is no open or short circuit.



NG → **Repair or replace harness or connector and automatic transmission solenoid connector.**

OK

3	**Check SL solenoid valve.**



PREPARATION:

(a) Remove the oil pan.
(b) Disconnect the solenoid connector.
(c) Remove the SL solenoid valve.

CHECK:

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

OK:

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

NG → **Replace SL solenoid valve.**

OK

Repair or replace solenoid wire.