DI5KS–02

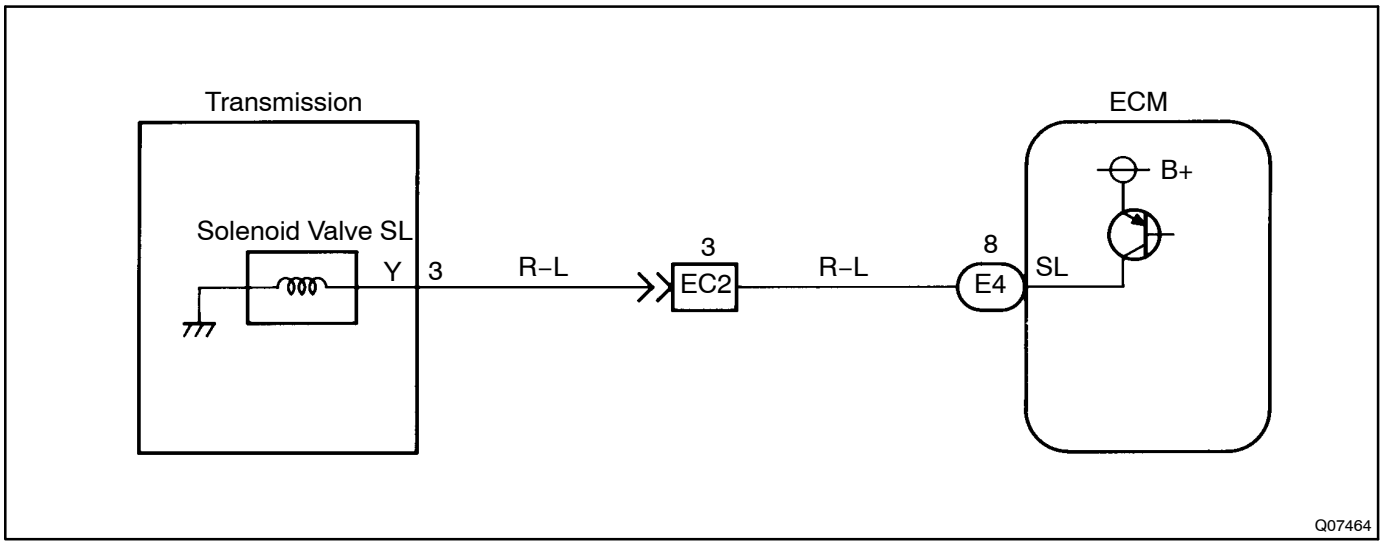
DTC	P0773	Shift Solenoid E Electrical Malfunction (Shift Solenoid Valve SL)

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.

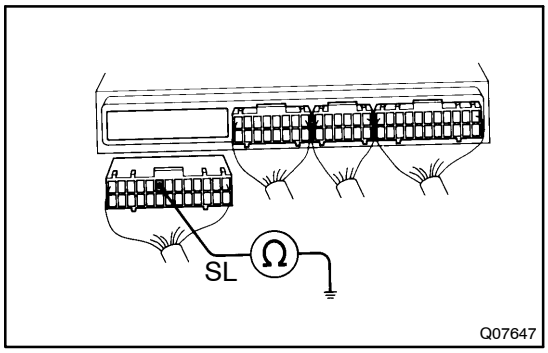
DTC No.	DTC Detecting Condition	Trouble Area
P0773	Open or short in shift solenoid valve SL circuit for 1 time (2 trip detection logic)	• Open or short in shift solenoid valve SL circuit • Shift solenoid valve SL • ECM

WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Measure resistance between terminal SL of ECM and body ground.**

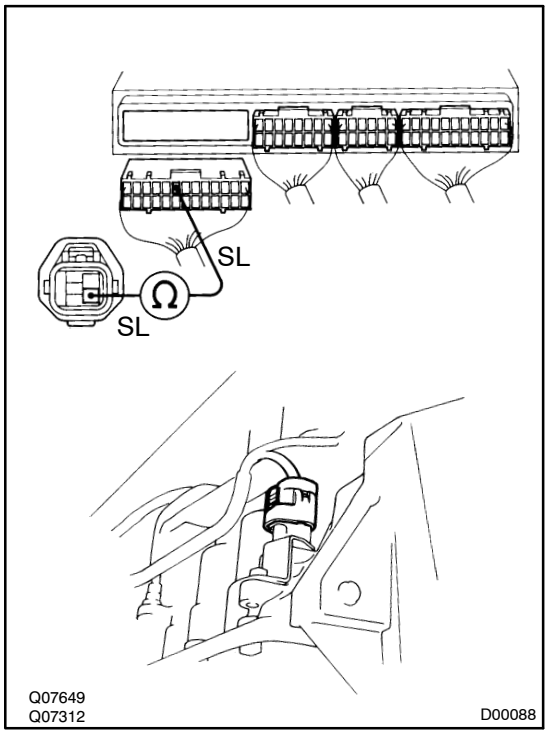


PREPARATION:
Disconnect the connector from the ECM.
CHECK:
Measure the resistance between terminal SL of the ECM and body ground.
OK:
Resistance: 11 – 15 Ω

OK → **Check and replace ECM.**

NG

2	**Check harness and connector between ECM and automatic transmission solenoid connector.**

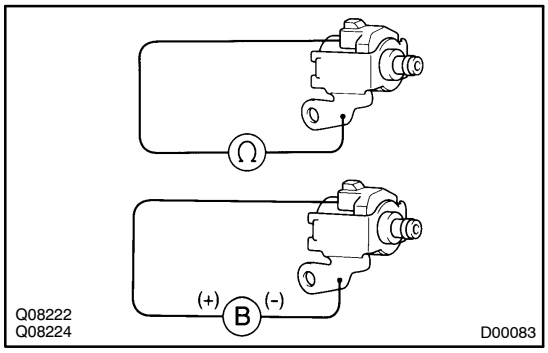


PREPARATION:
Disconnect the solenoid connector from the transmission.
CHECK:
Check the harness between terminal SL of the ECM and terminal SL of the automatic transmission solenoid connector.
OK:
There is no open or short circuit.

NG → **Repair or replace 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 the resistance between the shift solenoid valve SL connector terminal and its body ground.
(b) Connect positive ⊕ lead to terminal of the solenoid connector, negative ⊖ lead to the solenoid body.

OK:

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

NG → **Replace shift solenoid valve SL.**

OK

Check and replace or repair solenoid wire.