

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

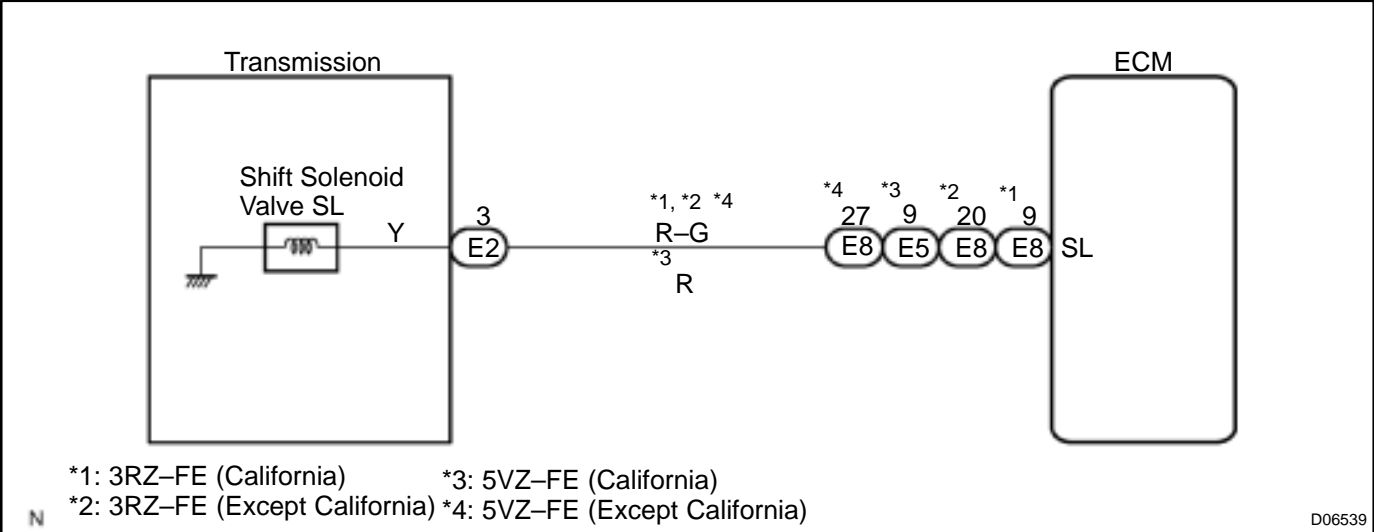
The shift solenoid valve SL is turned ON and OFF by signals from the ECM to control the hydraulic pressure acting on the lock-up relay valve, which then controls operation of the lock-up clutch.

DTC No.	DTC Detecting Condition	Trouble Area
P0773	Either (a) or (b) is detected for 1 time. (2-trip detection logic) (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.	<ul style="list-style-type: none">• Open or short in shift solenoid valve SL circuit.• Shift solenoid valve SL• ECM

Fail safe function

If the ECM detects a malfunction, it turns the shift solenoid valve SL OFF.

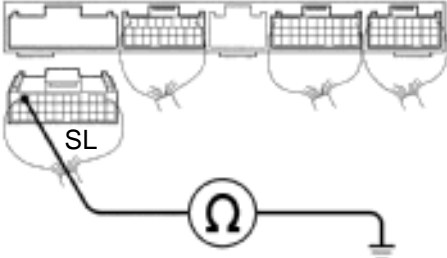
WIRING DIAGRAM



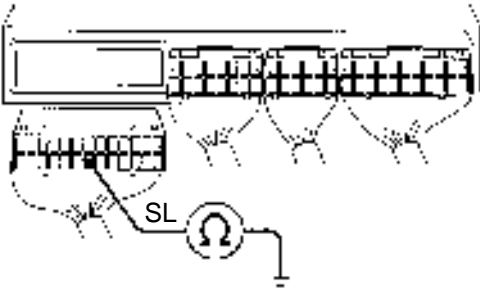
INSPECTION PROCEDURE

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

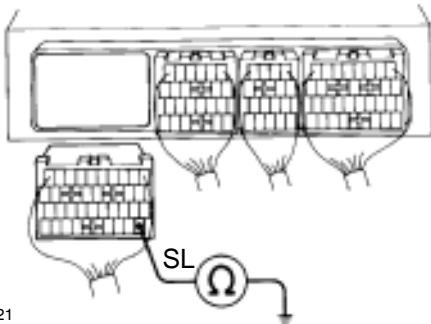
3RZ-FE (California) and 5VZ-FE (California)



3RZ-FE (Except California)



5VZ-FE (Except California)



D05221
D00066
Q07648

D07133

PREPARATION:

Disconnect the connector from ECM.

CHECK:

Measure resistance between terminal SL of ECM and body ground.

OK:

Resistance: 11 – 15 Ω

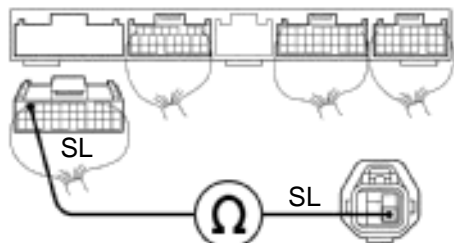
OK

Check and replace the ECM (See page [IN-28](#)).

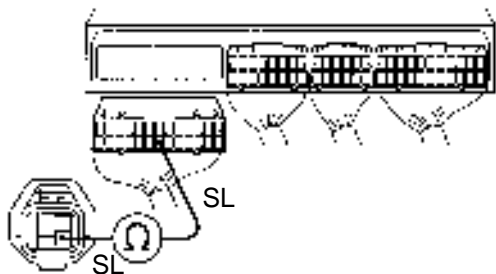
NG

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

3RZ-FE (California) and 5VZ-FE (California)



3RZ-FE (Except California)



5VZ-FE (Except California)



D05939
D00063
Q07650
Q05336

D07134

PREPARATION:

Disconnect the solenoid connector from the transmission.

CHECK:

Check the harness between terminal SL of ECM and terminal SL of automatic transmission solenoid connector.

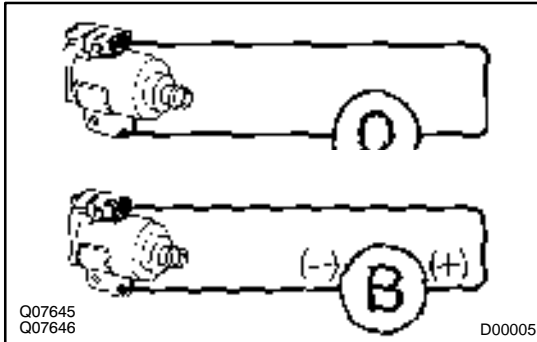
OK:

There is no open or short circuit.

NG

Repair or replace the harness or connector between ECM and automatic transmission solenoid connector.

OK

3 Check shift solenoid valve SL.**PREPARATION:**

- (a) Remove the oil pan.
- (b) Remove the shift solenoid valve SL.

CHECK:

- (a) Measure resistance between terminal SL of shift solenoid valve and solenoid body.
- (b) Connect positive \oplus lead to terminal of solenoid connector, negative \ominus lead to solenoid body.

OK:

- (a) **Resistance: 11 – 15 Ω**
- (b) **The shift solenoid valve SL makes operation noise.**

NG**Replace the shift solenoid valve SL.****OK****Repair or replace the solenoid wire.**