

DTC	P0770	Shift Solenoid E Malfunction (Shift Solenoid Valve DSL)
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SYSTEM DESCRIPTION

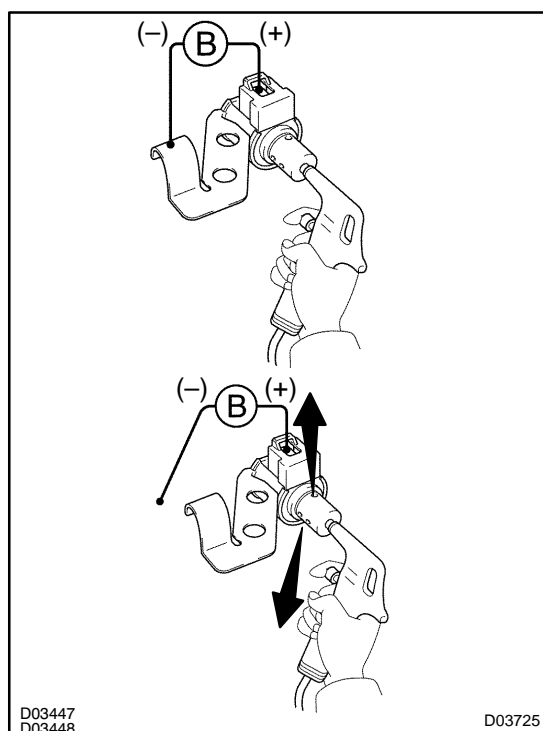
The ECM uses the signals from the throttle position sensor, air-flow meter and crankshaft position sensor to monitor the engagement condition of the lock-up clutch.

Then the ECM compares the engagement condition of the lock-up clutch with the lock-up schedule in the ECM memory to detect mechanical trouble of the shift solenoid valve DSL, valve body and torque converter clutch.

DTC No.	DTC Detecting Condition	Trouble Area
P0770	Lock-up does not occur when driving in lock-up range (normal driving at 80 km/h [50 mph]), or lock-up remains ON in the lock-up OFF range (2-trip detection logic)	<ul style="list-style-type: none"> ●Shift solenoid valve DSL is stuck open or closed ●Valve body blocked up or stuck ●Lock-up clutch

INSPECTION PROCEDURE

1	Check solenoid valve DSL operation.
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PREPARATION:

- Remove the oil pan (See page [AX-7](#)).
- Remove the shift solenoid valve DSL.

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.

NG

Replace solenoid valve DSL.

OK

2	Check valve body (See page DI-177).
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Repair or replace valve body.

OK

Replace torque converter clutch
(See page [AX-14](#)).