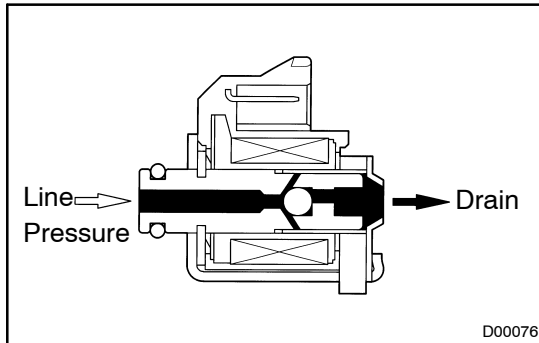


DTC	P0770	Shift Solenoid E Malfunction (Shift Solenoid Valve SL)
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SYSTEM DESCRIPTION

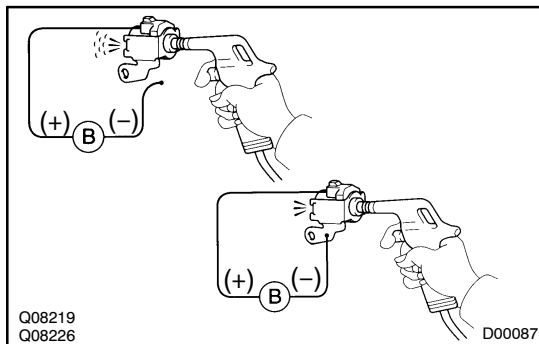
The ECM uses the signals from the throttle position sensor, air-flow meter and crankshaft position sensor to monitor the engagement condition of the lock-up clutch.

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 SL, valve body and torque converter clutch.

DTC No.	DTC Detecting Condition	Trouble Area
P0770	Lock-up does not occur when driving in the 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)	• Shift solenoid valve SL is stuck open or closed • Valve body blocked up or stuck • Lock-up clutch

INSPECTION PROCEDURE

1	Check solenoid valve SL operation.
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PREPARATION:

- Remove the oil pan.
- Remove the shift solenoid valve SL.

CHECK:

- Applying 490 kPa (5 kgf/cm², 71 psi) of compressed air, check that the solenoid valve opens.
- When battery voltage is supplied to the shift solenoid valve, check that the solenoid valve does not leak air.

OK:

- Solenoid valve opens**
- Solenoid valve does not leak air**

NG

Replace the solenoid valve SL.

OK

2	Check valve body (See page DI-161).
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NG**Repair or replace the valve body.****OK****Replace the torque converter clutch
(See page [AT-27](#)).**