

DTC	P0770	Shift Solenoid E Malfunction (Shift Solenoid Valve SL)
------------	--------------	---

SYSTEM DESCRIPTION

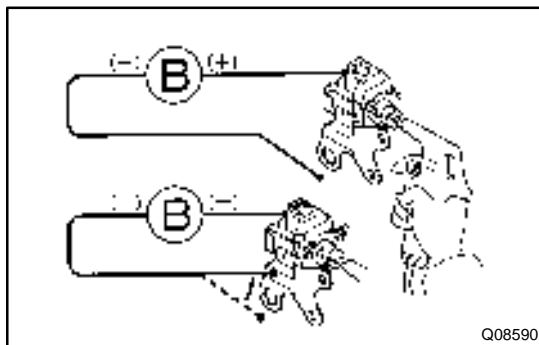
The ECM uses the signals from the throttle position sensor, air-flow meter and crankshaft position sensor to monitor the engagement condition of the lock-up clutch.

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)	<ul style="list-style-type: none"> • Shift solenoid valve SL is stuck open or closed • Valve body blocked up or stuck • Lock-up clutch

INSPECTION PROCEDURE

1	Check shift solenoid valve SL operation.
----------	---



PREPARATION:

Remove shift solenoid valve SL from valve body.

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 it opens.

NG

Replace shift solenoid valve SL.

OK

2	Check valve body (See page DI-140).
----------	--

NG

**Repair or replace valve body
(See Page [AX-16](#)).**

OK

Replace torque converter clutch
(See page [AX-16](#)).