

DTC P0770/64 SL SOLENOID VALVE MALFUNCTION**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.

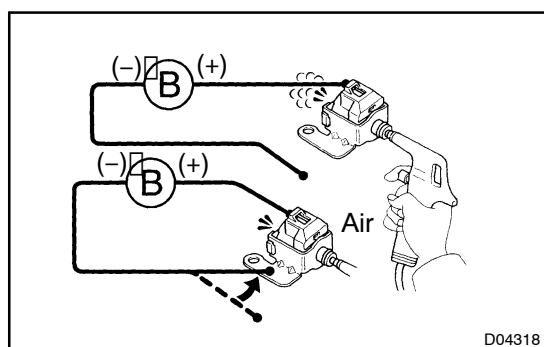
Then the ECM compares the engagement condition of the lock-up clutch with the lock-up schedule in the ECM memory to detect a mechanical trouble of the shift solenoid valve DSL, valve body and torque converter clutch.

DTC No.	DTC Detection Condition	Trouble Area
P0770/64	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 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 or stuck • Lock-up clutch • ECM • Torque converter clutch • Automatic transaxle

INSPECTION PROCEDURE**1 DO ACTIVE TEST OF HAND-HELD TESTER****NOTICE:**

The values given below for "Normal Condition" are representative values, so a vehicle may still be normal even if its value differs from those listed here. Do not depend solely on the "Normal Condition" here when deciding whether or not the part is faulty.

Measurement Item	Contents of Test	Restriction
Lock-up Solenoid	<ul style="list-style-type: none"> • Lock-up solenoid ON → OFF • ON → Duty ratio 100% • OFF → Duty ratio 0% 	<ul style="list-style-type: none"> • Possible to test at the vehicle speed of 60km/h (37 mph) or more. • Possible to test only at 4th gear.

OK**CHECK AND REPLACE ECM (See page 01-30)****NG****2 INSPECT SHIFT SOLENOID VALVE DSL**

- Remove the shift solenoid valve DSL.
- Applying 490 kPa (5 kgf/cm², 71 psi) of compressed air, check that the solenoid valve does not leak the air.

OK:**Solenoid valve does not leak air.**

- When battery voltage is supplied to the shift solenoid valve, check that the valve opens.

OK:**Solenoid valve opens.****NG****REPLACE SHIFT SOLENOID VALVE DSL****OK**

3 INSPECT TRANSMISSION VALVE BODY ASSY

NG

REPAIR OR REPLACE TRANSMISSION VALVE
BODY ASSY (See page 40-26)

OK

4 INSPECT TORQUE CONVERTER CLUTCH ASSY (See page 40-19)

NG

REPLACE TORQUE CONVERTER CLUTCH
ASSY

OK

REPAIR AUTOMATIC TRANSAXLE ASSY (See page 40-7)