

DTC	P0750, P0755	Shift Solenoid A/B Malfunction (Shift Solenoid Valve No.1/No.2)
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SYSTEM DESCRIPTION

The ECM uses signals from the vehicle speed sensor to detect the actual gear position (1st, 2nd, 3rd or O/D gear).

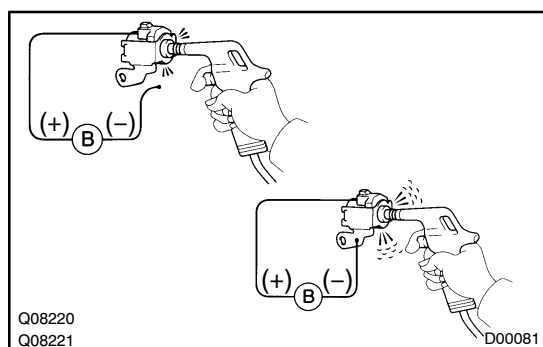
Then the ECM compares the actual gear with the shift schedule in the ECM memory to detect mechanical trouble of the shift solenoid valves and valve body.

DTC No.	DTC Detecting Condition	Trouble Area
P0750 P0755	During normal driving, the gear required by the ECM does not match the actual gear (2 trip detection logic)	- Shift solenoid valve No.1/No.2 is stuck open or closed - Valve body is blocked up or stuck

Check the shift solenoid valve No.1 when DTC P0750 is output and check shift solenoid valve No.2 when DTC P0755 is output.

INSPECTION PROCEDURE

1	Check shift solenoid valve No.1 or No.2 operation.
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PREPARATION:

- Remove the oil pan.
- Remove the shift solenoid valve No.1 or No.2.

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.

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Replace the shift solenoid valve No.1 or No.2.

OK

2	Check valve body (See page DI-150).
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Repair or replace the valve body.

OK

Replace the transmission (See page [AT-18](#)).

1997 LEXUS LX450 (RM515U)