

DTC	P0751	Shift Solenoid "A" Performance (Shift Solenoid Valve S1)
------------	--------------	---

DTC	P0756	Shift Solenoid "B" Performance (Shift Solenoid Valve S2)
------------	--------------	---

SYSTEM DESCRIPTION

The ECM uses signals from the vehicle speed sensor and direct clutch speed sensor to detect the actual gear position (the 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 troubles of the shift solenoid valves, valve body or automatic transaxle (clutch, brake or gear etc.).

DTC No.	DTC Detecting Condition	Trouble Area
P0751	The gear required by the ECM does not match the actual gear when vehicle is driven (2-trip detection logic)	<ul style="list-style-type: none"> • Shift solenoid valve No.1 is stuck open or closed • Valve body is blocked up or stuck • Automatic transaxle (clutch, brake or gear etc.)
P0756		<ul style="list-style-type: none"> • Shift solenoid valve No.2 is stuck open or closed • Valve body is blocked up or stuck • Automatic transaxle (clutch, brake or gear etc.)

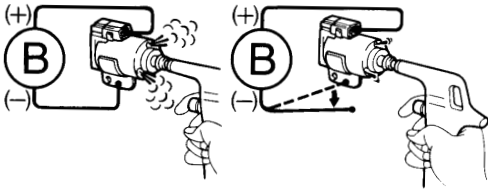
INSPECTION PROCEDURE

HINT:

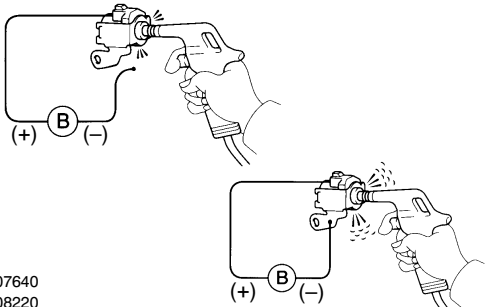
Check the shift solenoid valve No. 1 when DTC P0751 is output. Check the shift solenoid valve No. 2 when DTC P0756 is output.

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

3RZ-FE:



5VZ-FE:



Q07640
Q08220
Q08221

D05954

PREPARATION:

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

CHECK:

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

OK:

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

NG

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

OK

2 Check valve body (See page AT-10).

NG

Repair or replace valve body.

OK

Repair or replace transmission
(See page AT-22 or AT-28).