

DTC	P0750	Shift Solenoid "A" Malfunction (No. 1 Solenoid Valve)
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DTC	P0755	Shift Solenoid "B" Malfunction (No. 2 Solenoid Valve)
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DTC	P0760	Shift Solenoid "C" Malfunction (No. 3 Solenoid Valve)
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SYSTEM DESCRIPTION

The Engine and ECT ECU uses signals from the vehicle speed sensor and input/turbine speed sensor to detect the actual gear position (1st, 2nd, 3rd, 4th or 5th gear). The Engine and ECT ECU then compares the actual gear with the shift schedule in the Engine and ECT ECU memory to detect mechanical trouble of the solenoid valves, valve body and automatic transmission (clutch, brake or gear etc.).

DTC No.	DTC Detecting Condition	Trouble Area
P0750 P0755 P0760	During normal driving, the gear required by the Engine & ECT ECU does not match the actual gear (2-trip detection logic)	<ul style="list-style-type: none"> • No. 1/No. 2/No. 3 solenoid valve is stuck open or closed • Valve body is blocked up or stuck • Automatic transmission assembly

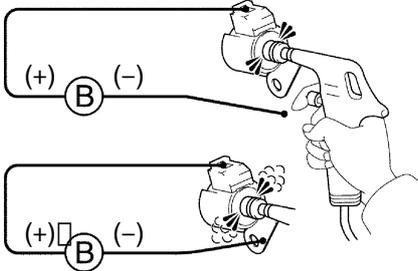
HINT:

Check the No. 1 solenoid valve when DTC P0750 is output, check No. 2 solenoid valve when DTC P0755 is output and check the No. 3 solenoid valve when DTC P0760 is output.

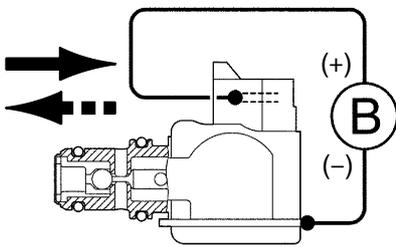
INSPECTION PROCEDURE

1 Check No. 1, No. 2 or No. 3 solenoid valve operation.

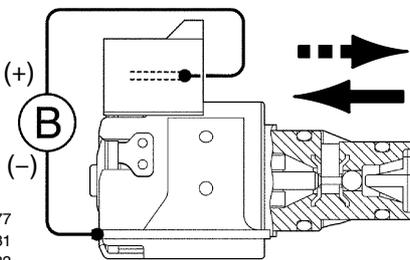
Shift Solenoid Valve No. 2



Shift Solenoid Valve No. 1



Shift Solenoid Valve No. 3

D01777
D01881
D01883

D02230

PREPARATION:

- Remove the oil pan.
- Remove the No. 1, No. 2 or No. 3 solenoid valve (See page AT-14).

CHECK:**No. 2 solenoid valve:**

- Applying 490 kPa (5 kgf/cm² 71 psi) of compressed air, check that the solenoid valves do not leak air.
- When battery positive voltage is supplied to the shift solenoid valves, check that the solenoid valves are open.

No. 1 and No. 3 solenoid valve:

Connect the positive (+) lead with 8 - 10 W bulb to terminal 2 and the negative (-) lead to terminal 1, then check the movement of the valve.

OK:

When B ⁺ is applied.	Valve moves in  direction in illustration on the left.
When B ⁺ is cut off.	Valve moves in  direction in illustration on the left.

NG

Replace the No. 1, No. 2 or No. 3 solenoid valve (See page AT-14).

OK

2 Check valve body (See page DI-190).

NG

Replace the valve body (See page AT-14).

OK

Replace the transmission (See page AT-33).