

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 & 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 & ECT ECU then compares the actual gear with the shift schedule in the Engine & 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)	• No. 1/No. 2/No. 3 solenoid valve is stuck open or closed • Valve body is blocked up or stuck • Automatic transmission assembly

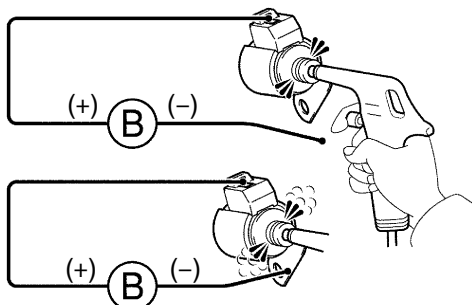
HINT:

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.

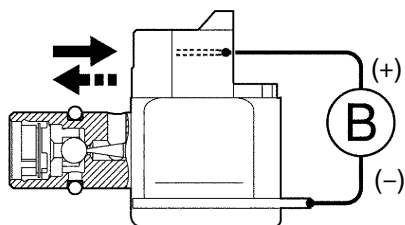
INSPECTION PROCEDURE

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

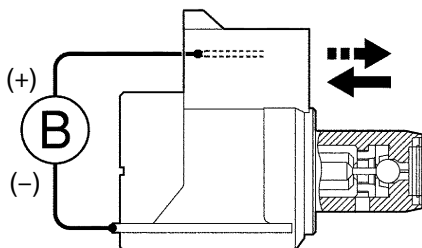
No. 2 Solenoid Valve



No. 1 Solenoid Valve



No. 3 Solenoid Valve



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D10482

PREPARATION:

- (a) Remove the oil pan.
- (b) Remove the No. 1, No. 2 or No. 3 solenoid valve.

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

- (a) Applying 490 kPa (5 kgf/cm², 71 psi) of compressed air, check that the solenoid valves do not leak air.
- (b) 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.

OK

2 Check valve body ([See page DI-294](#)).

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Repair or replace the valve body.

OK

Replace the transmission ([See page AT-26](#)).