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

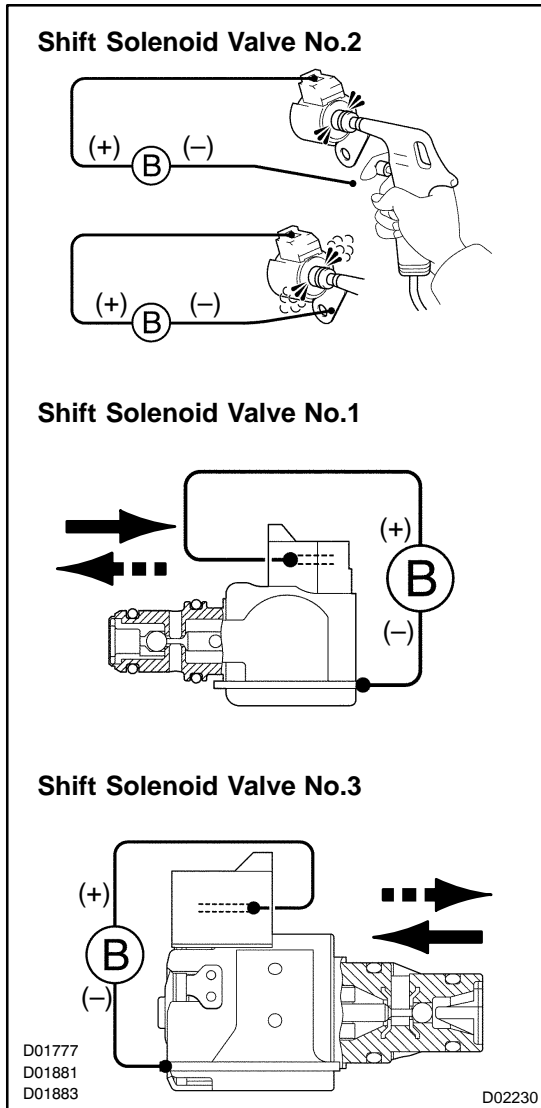
The ECM uses signals from the vehicle speed sensor and input / turbine speed sensor to detect the actual gear position (1st, 2nd, 3rd, 4th or 5th gear). The ECM then compares the actual gear with the shift schedule in the ECM memory to detect mechanical trouble of the shift solenoid valves, valve body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

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

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

INSPECTION PROCEDURE

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| 1 | Check shift solenoid valve No.1, No.2 or No.3 operation. |
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PREPARATION:

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

CHECK:

1. Shift solenoid valve No.2:

- (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.

2. Shift solenoid valve No.1 and No.3:

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:

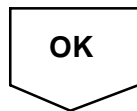
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| When B ⁺ is applied. | Valve moves in direction in illustration on the left. |
| When B ⁺ is cut off. | Valve moves in direction in illustration on the left. |

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| NG | Replace the shift solenoid valve No.1, No.2 or No.3. |
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| 2 | Check valve body (See page DI-361). |
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| NG | Repair or replace the valve body. |
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Replace the transmission (2JZ-GE: See page [AT-27](#), 1UZ-FE: See page [AT-33](#)).