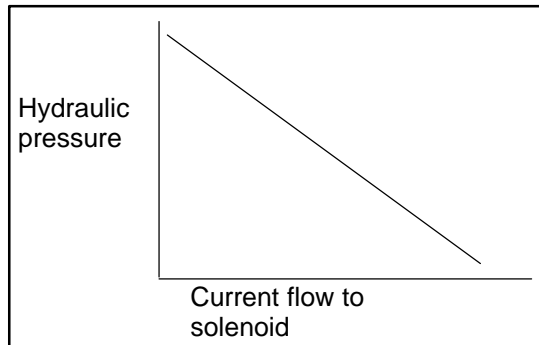


DTC	P1765	Liner Solenoid for Accumulator Pressure Control Circuit Malfunction (SLN)
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CIRCUIT DESCRIPTION



The shift solenoid valve SLN controls the hydraulic pressure acting on the accumulator control valve when gears are shifted and performs smooth gear shifting.

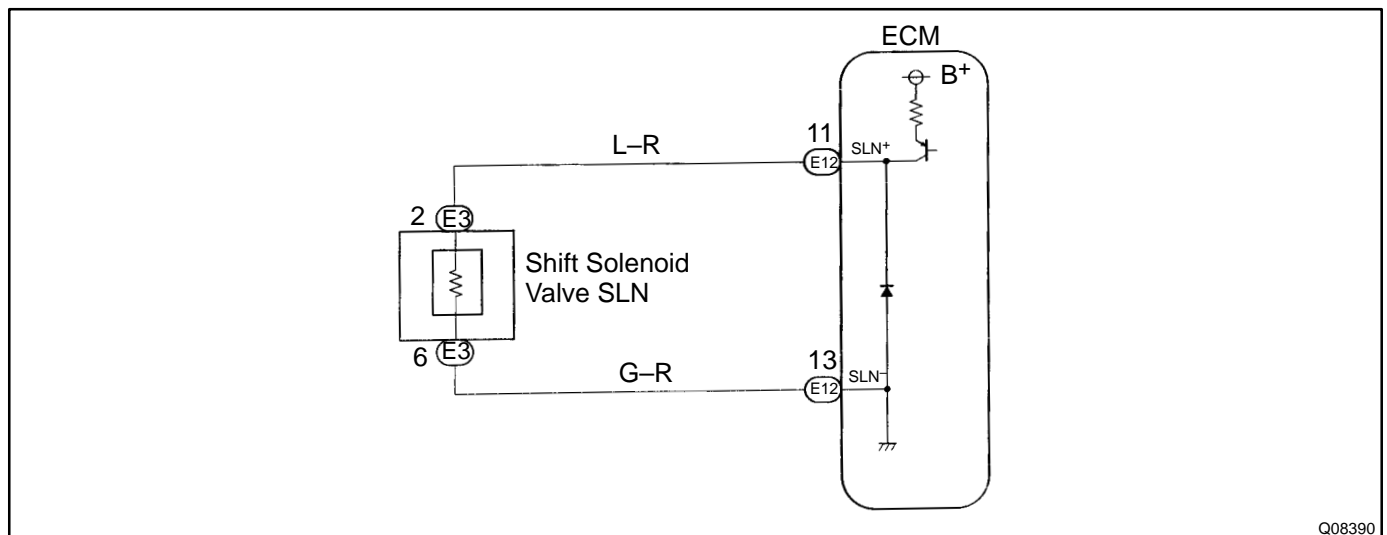
The ECM determines optimum operating pressure according to the signals from the throttle position sensor, vehicle speed sensor and direct clutch speed sensor and controls the volume of current flow to the solenoid valve.

The amount of current to the solenoid is controlled by the (*) duty ratio of ECM output signals, causing a momentary change to the hydraulic pressure acting on the clutches during gear shifting. When the duty ratio is high, the hydraulic pressure acting on the clutches is low.

(*): See page [DI-384](#)..

DTC No.	DTC Detecting Condition	Trouble Area
P1765	The following condition is detected. (2 trip detection logic) SLN output signal's duty ON of 3.3 msec. or more with duty ratio of at least 5 % lasts for 2 seconds	<ul style="list-style-type: none"> • Open or short in shift solenoid valve SLN circuit • Shift solenoid valve SLN • ECM

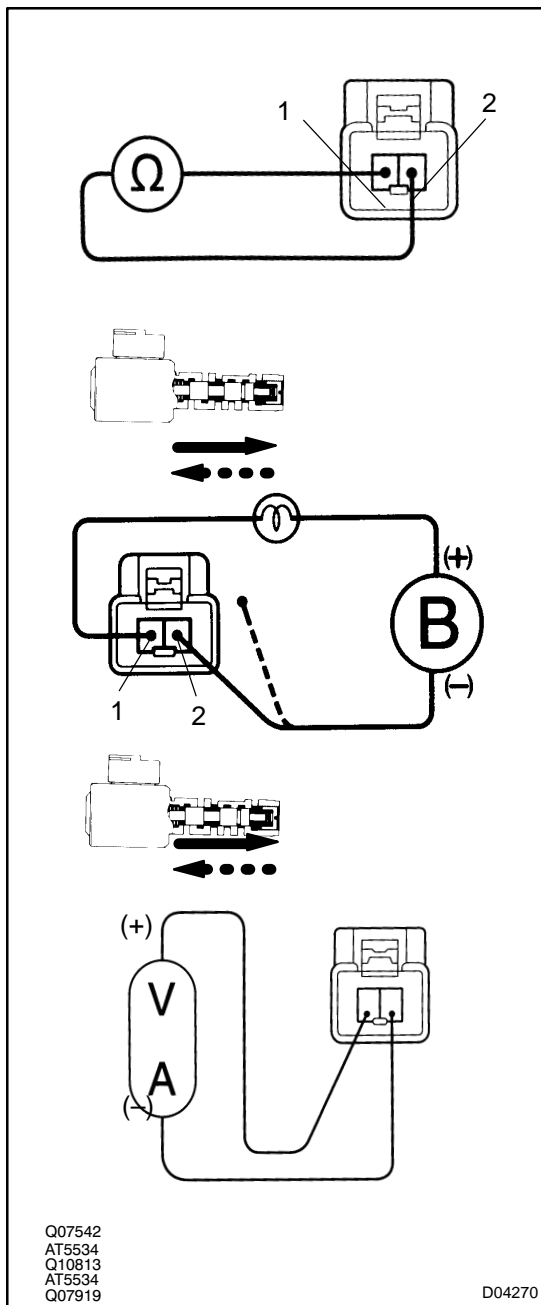
WIRING DIAGRAM



Q08390

INSPECTION PROCEDURE

1 Check shift solenoid valve SLN.

**Check solenoid resistance:****PREPARATION:**

- (a) Jack up the vehicle.
- (b) Remove the oil pan.
- (c) Disconnect the connector.

CHECK:

Measure resistance between terminals 1 and 2 of solenoid connector.

OK:

Resistance: 5.1 – 5.5 Ω

Check solenoid operation:**CHECK:**

Connect positive \oplus lead with an 8 – 10 W bulb to terminal 1 of solenoid connector and negative \ominus lead to terminal 2, then check the movement of the valve.

OK:

When battery positive voltage is applied.	Valve moves in \rightarrow direction in illustration. (on the left)
When battery positive voltage is cut off.	Valve moves in \leftarrow direction in illustration. (on the right)

Check solenoid's operation:**CHECK:**

- (a) Prepare a variable power supply.
- (b) Connect positive \oplus lead of the variable power supply to terminal 1 of solenoid connector and negative \ominus lead to terminal 2.
- (c) Check the movement of the valve when the voltage is gradually increased (A current greater than 1A should not be supplied.).

OK:

As the voltage is increased, the valve should move slowly in the \rightarrow direction.

CHECK:

Check the movement of the valve when the voltage is cut off.

OK:

The valve should return in the \leftarrow direction.

NG

Replace solenoid valve SLN.

OK

2	Check harness and connector between shift solenoid valve SLN and ECM (See page IN-29).
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NG

Repair or replace harness or connector.

OKCheck and replace ECM (See page [IN-29](#)).