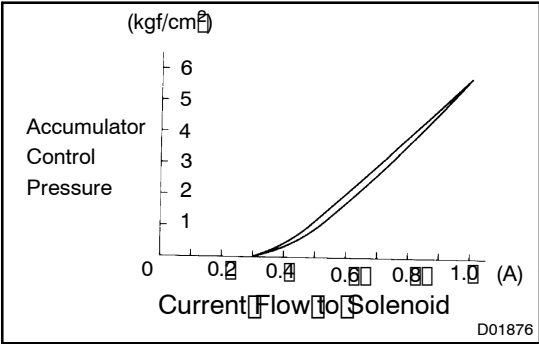


DTC	P1765/46	Linear Solenoid for Accumulator Pressure Control Circuit Malfunction
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CIRCUIT DESCRIPTION

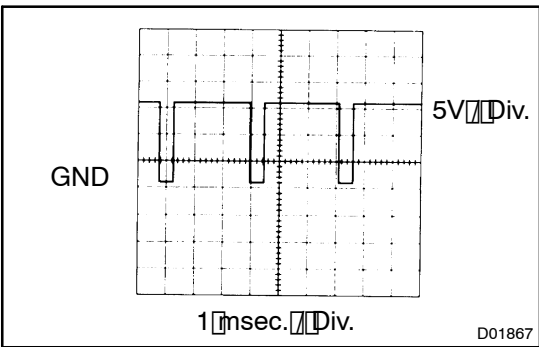
The SLN solenoid valve controls the hydraulic pressure acting on the accumulator control valve when gears are shifted and performs smooth gear shifting.

The Engine and ECT ECU 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 Engine and ECT ECU 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.

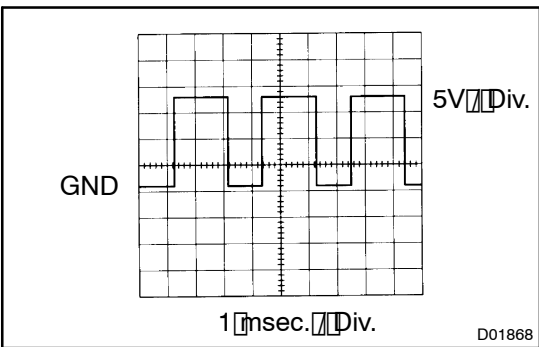
(*): See page DI-36.

DTC No.	Detection Detecting Condition	Trouble Area
P1765/46	(a) or (b) condition below is detected for 1 second or more. (a) SLU output signal ON time is 3.3 m sec. or more. (b) SLU output signal ON time is 100 m sec. or less. (frequency: 300 Hz)	<ul style="list-style-type: none"> • Open or short in SLN solenoid valve circuit • SLN solenoid valve • Engine and ECT ECU



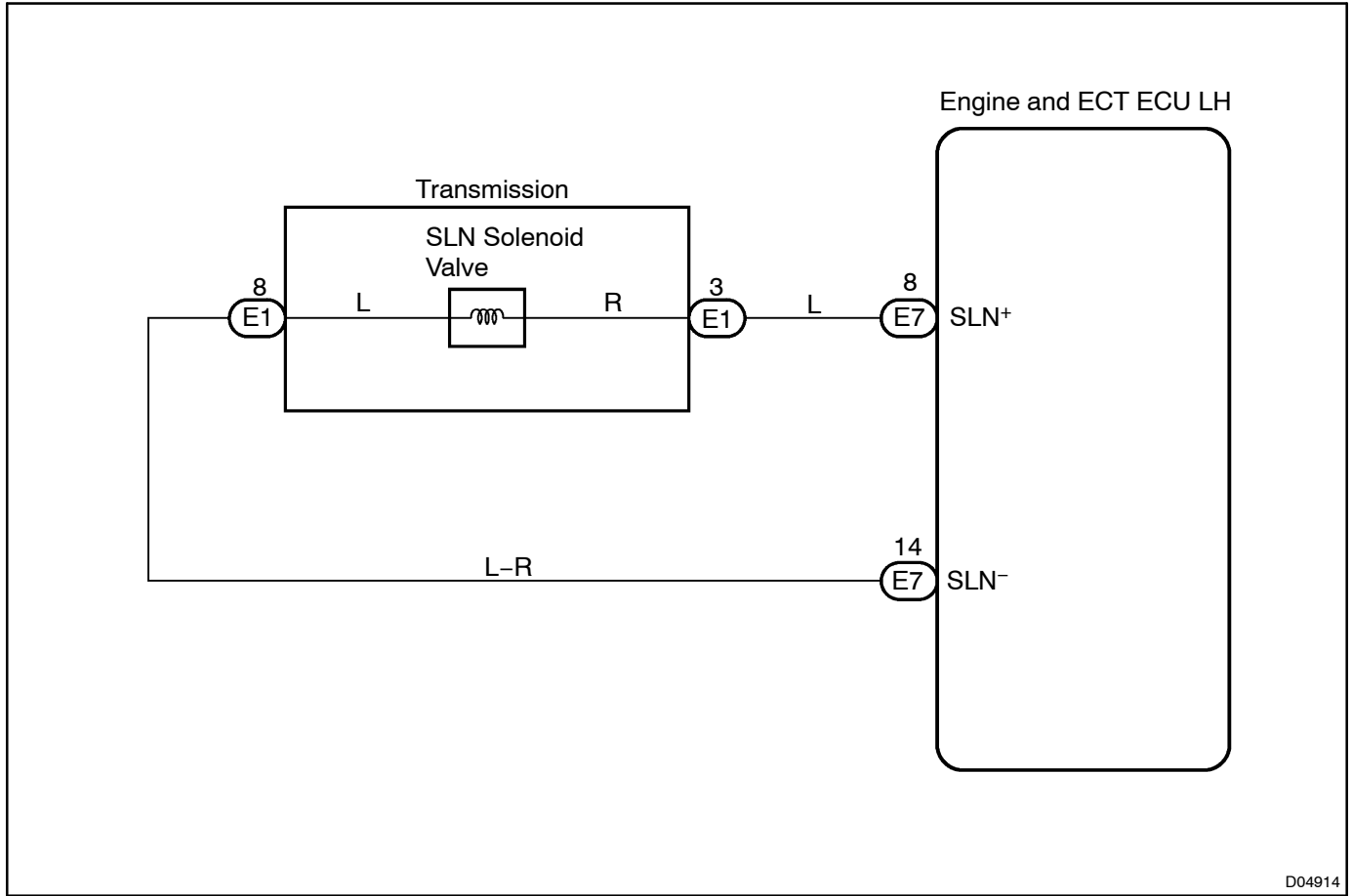
HINT:

- Refer to the chart for the wave form between terminals SLN⁺ and SLN⁻ when engine is idling.



- Refer to the chart for the wave form between terminals SLN⁺ and SLN⁻ during shift change.

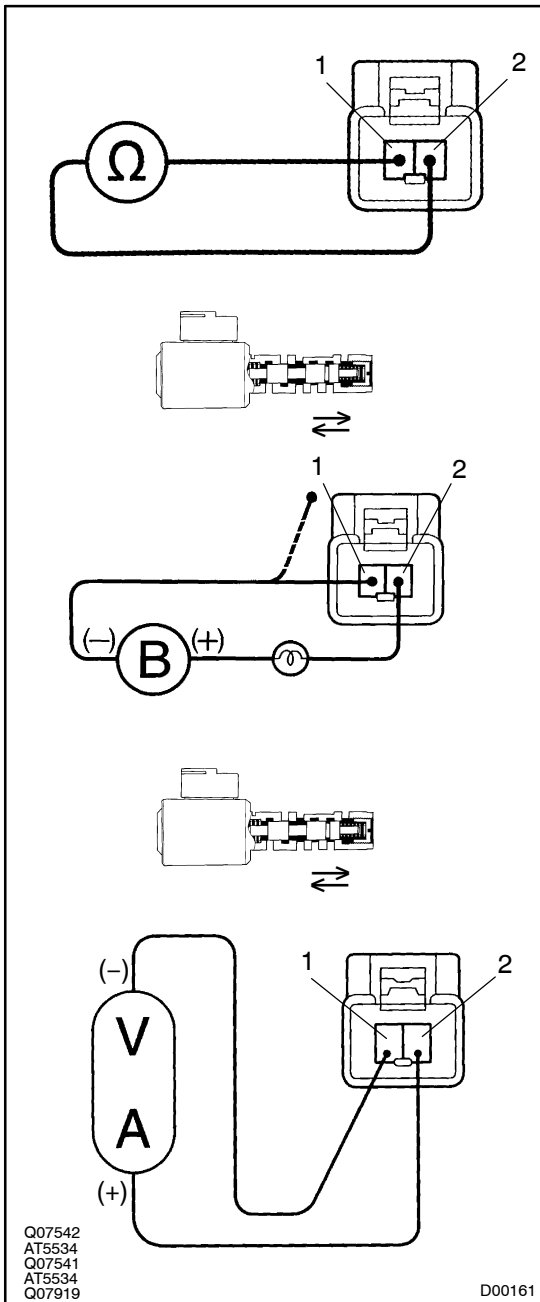
WIRING DIAGRAM



D04914

INSPECTION PROCEDURE

1	Check SLN solenoid valve.
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PREPARATION:

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

CHECK:

- (a) Measure resistance between terminals 1 and 2 of solenoid connector.
- (b) Connect positive ⊕ lead with an 8 – 10 W bulb to terminal 1 of solenoid connector and negative ⊖ lead to terminal 2, then check the movement of the valve.

OK:

- (a) **Resistance: 5.1 – 5.5 Ω at 20 °C (68 °F)**
- (b)

When battery positive voltage is applied.	Valve moves in → direction in the illustration.
When battery positive voltage is cut off.	Valve moves in ← direction in the illustration.

Check solenoid operation

PREPARATION:

- (a) Prepare a variable power supply.
- (b) Connect positive ⊕ lead of the variable power supply to terminal 1 of solenoid connector and negative ⊖ lead to terminal 2.

CHECK:

- (a) Check the movement of the valve when the voltage is gradually increased (A current greater than 1 A should not be supplied.).
- (b) Check the movement of the valve when the voltage is cut off.

OK:

- (a) **As the voltage is increased, the valve should move slowly in the → direction.**
- (b) **The valve should return in the ← direction.**

NG	Replace the SLN solenoid valve.
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OK

2 Check harness and connector between SLN solenoid valve and Engine and ECT ECU (See page N-30).

NG

Repair or replace the harness or connector.

OK

Check and replace the Engine and ECT ECU (See page N-30).