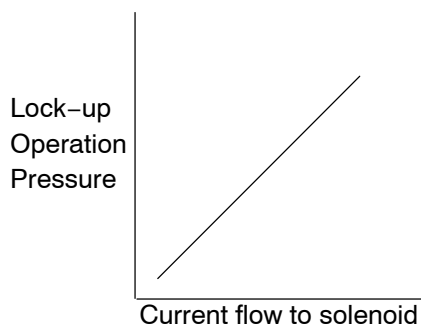


<b>DTC</b>	<b>P2759/68</b>	<b>Torque Converter Clutch Pressure Control Solenoid Control Circuit Electrical(Shift Solenoid Valve SLU)</b>
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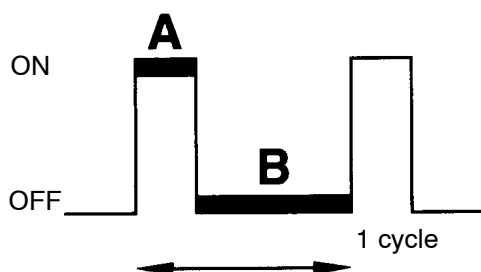


## CIRCUIT DESCRIPTION

The amount of current flow to the solenoid is controlled by the (\*) duty ratio of the Engine and ECT ECU output signal. The higher the duty ratio becomes, the higher the lock-up hydraulic pressure becomes during the lock-up operation.

(\*) Duty Ratio

The duty ratio is the ratio of the period of continuity in one cycle. For example, if A is the period of continuity in one cycle, and B is the period of non-continuity, then



(\*)

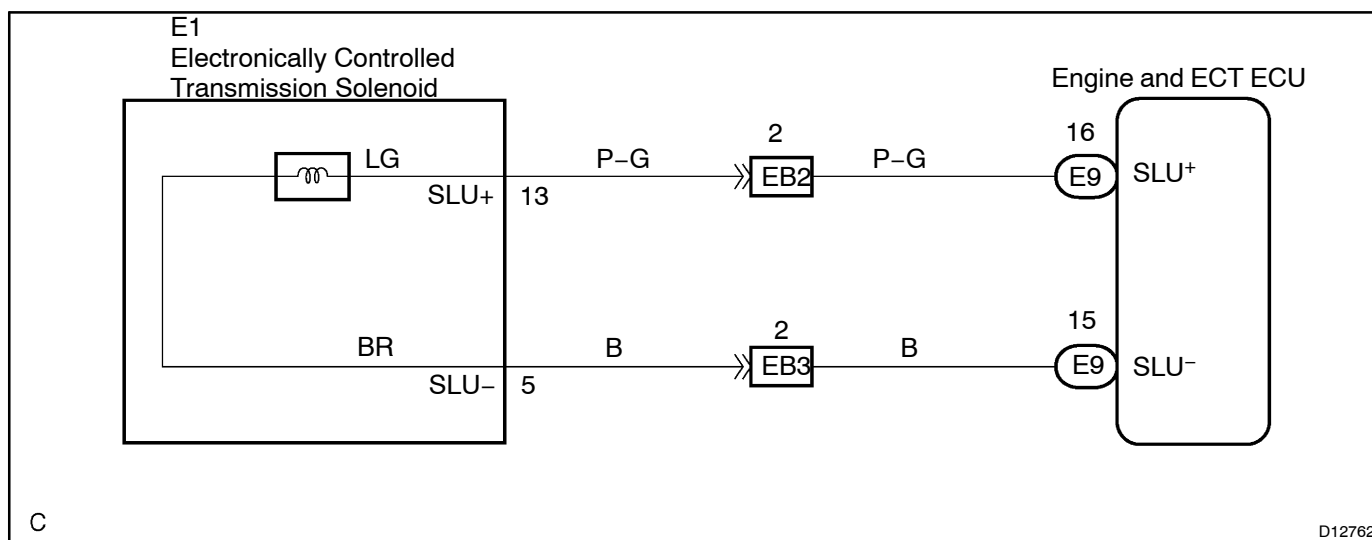
$$\text{Duty Ratio} = \frac{A}{A + B} \times 100 (\%)$$

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DTC No.	DTC detection condition	Trouble Area
P2759/68	The following condition is detected. (1-trip detection logic) SLU output signal's duty ON of 3.3 msec. or more with duty ratio of least 95% lasts for 1 second.	<ul style="list-style-type: none"> <li>• Open or short in shift solenoid valve SLU circuit</li> <li>• Shift solenoid valve SLU</li> <li>• Engine and ECT ECU</li> </ul>

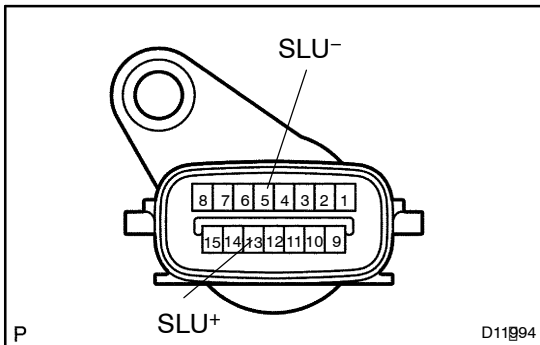
## WIRING DIAGRAM



D12762

## INSPECTION PROCEDURE

## 1 Check transmission wire.

**PREPARATION:**

Disconnect the transmission wire connector.

**CHECK:**

Measure resistance between SLU+ and SLU- of transmission wire.

**OK:**

**Resistance: 5.0 – 5.6 Ω at 20°C (68°F)**

**CHECK:**

Measure resistance between terminals SLU+ and SLU- of the transmission wire connector and body ground.

**OK:**

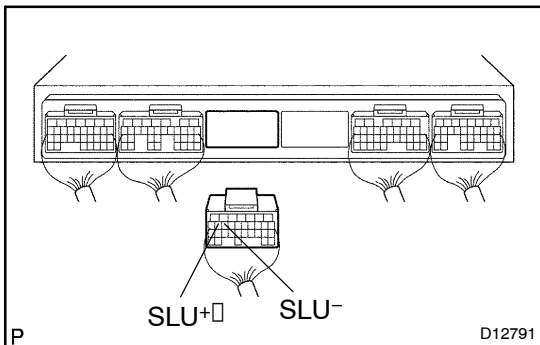
**Resistance: 1 MΩ or higher**

NG

Go to step 3.

OK

## 2 Measure resistance between terminal SLU+ and SLU- of Engine and ECT ECU connector.

**PREPARATION:**

(a) Connect the transmission wire connector.

(b) Disconnect the connector of the Engine and ECT ECU.

**CHECK:**

Measure resistance between terminals SLU+ and SLU- of Engine and ECT ECU connector.

**OK:**

**Resistance: 5.0 – 5.6 Ω at 20°C (68°F)**

**CHECK:**

Measure resistance between terminals SLU+ and SLU- of the Engine and ECT ECU connector and body ground.

**OK:**

**Resistance: 1 MΩ or higher**

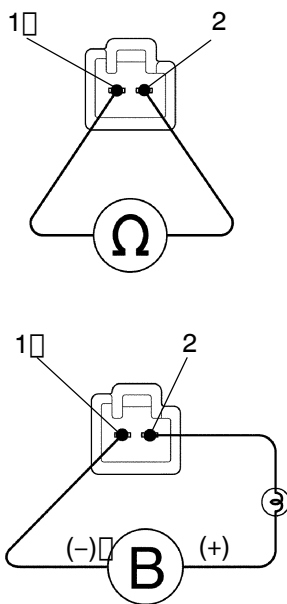
NG

Repair or replace the harness or connector (See page IN-38).

OK

Check and replace the Engine and ECT ECU (See page IN-38).

### 3 Check shift solenoid valve SLU.



D12795

#### PREPARATION:

- Jack up the vehicle.
- Remove the oil pan.
- Remove the shift solenoid valve SLU.

#### CHECK:

- Measure the resistance between terminals 1 and 2 of solenoid connector.

**Standard:** 5.0 – 5.6 Ω at 20 °C (68 °F)

- Connect the positive (+) lead with an 21 W bulb to terminal 2 of solenoid connector and the negative (–) lead to terminal 1 of the solenoid valve connector, then check the movement of the valve.

**Standard:** Solenoid sounds operation noise.

#### OK:

Standard

NG

Replace the shift solenoid valve SLU  
(See page AT-8)

OK

Repair or replace the transmission wire  
(See page AT-6)