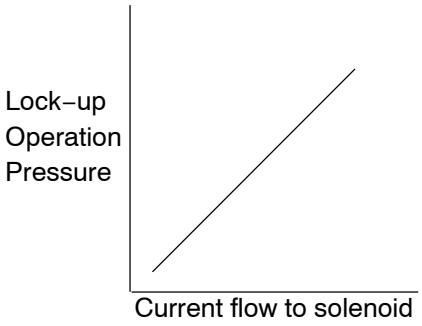
DIAV2–01

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

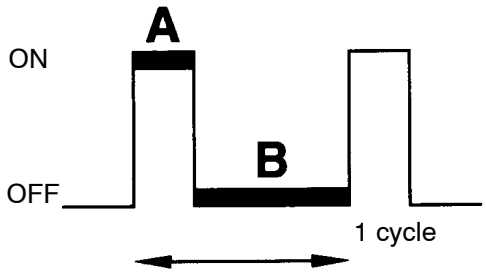


CIRCUIT DESCRIPTION

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



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(*)

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

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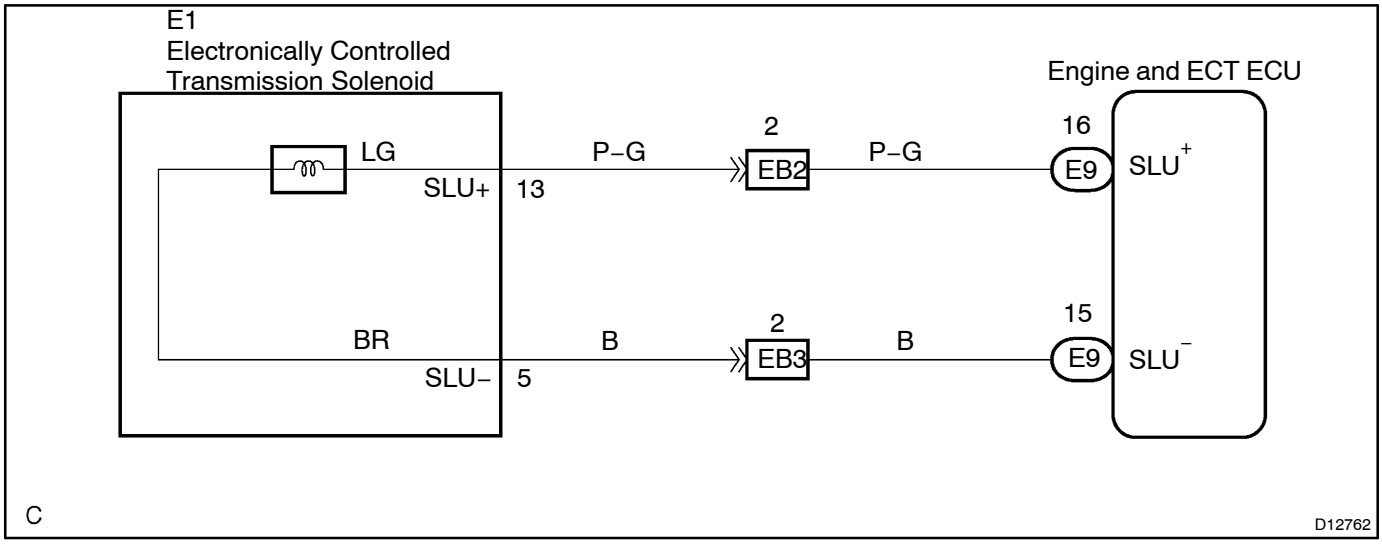
DTC No.	DTC detection condition	Trouble Area
P2759/68	The following condition is detected. (1–trip detection logic) SLU output signal's duty ON of 3.3 msec. or more with duty ratio of least 95% lasts for 1 second.	• Open or short in shift solenoid valve SLU circuit • Shift solenoid valve SLU • Engine and ECT ECU

WIRING DIAGRAM



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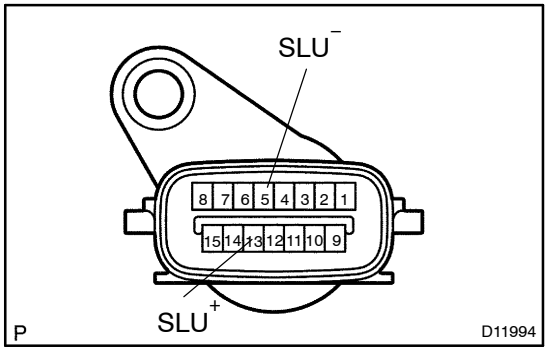
INSPECTION PROCEDURE

1	**Check transmission wire.**

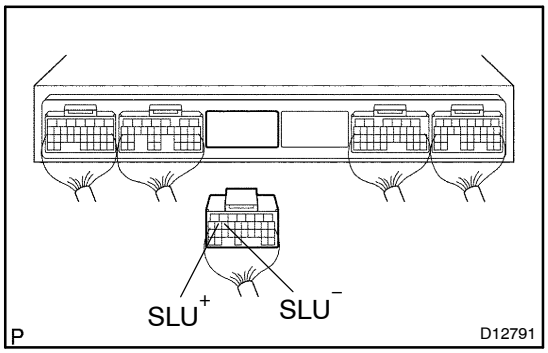


PREPARATION:
Disconnect the transmission wire connector.
CHECK:
Measure resistance between SLU^+ and SLU^- of transmission wire.
OK:
Resistance: 5.0 – 5.6 Ω at 20 °C (68 °F)
CHECK:
Measure resistance between terminals SLU^+ and SLU^- of the transmission wire connector and body ground.
OK:
Resistance: 1 MΩ or higher

NG	**Go to step 3.**

OK

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



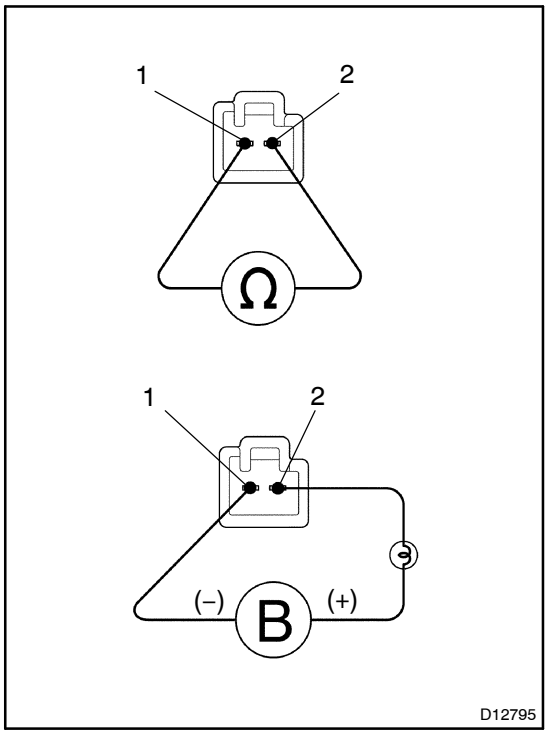
PREPARATION:
(a) Connect the transmission wire connector.
(b) Disconnect the connector of the Engine and ECT ECU.
CHECK:
Measure resistance between terminals SLU^+ and SLU^- of Engine and ECT ECU connector.
OK:
Resistance: 5.0 – 5.6 Ω at 20 °C (68 °F)
CHECK:
Measure resistance between terminals SLU^+ 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.



PREPARATION:

(a) Jack up the vehicle.
(b) Remove the oil pan.
(c) Remove the shift solenoid valve SLU.

CHECK:

(a) Measure the resistance between terminals 1 and 2 of solenoid connector.
Standard: 5.0 – 5.6 Ω at 20°C (68°F)
(b) Connect the positive (+) lead with an 21 W bulb to terminal 2 of solenoid connector and 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).