

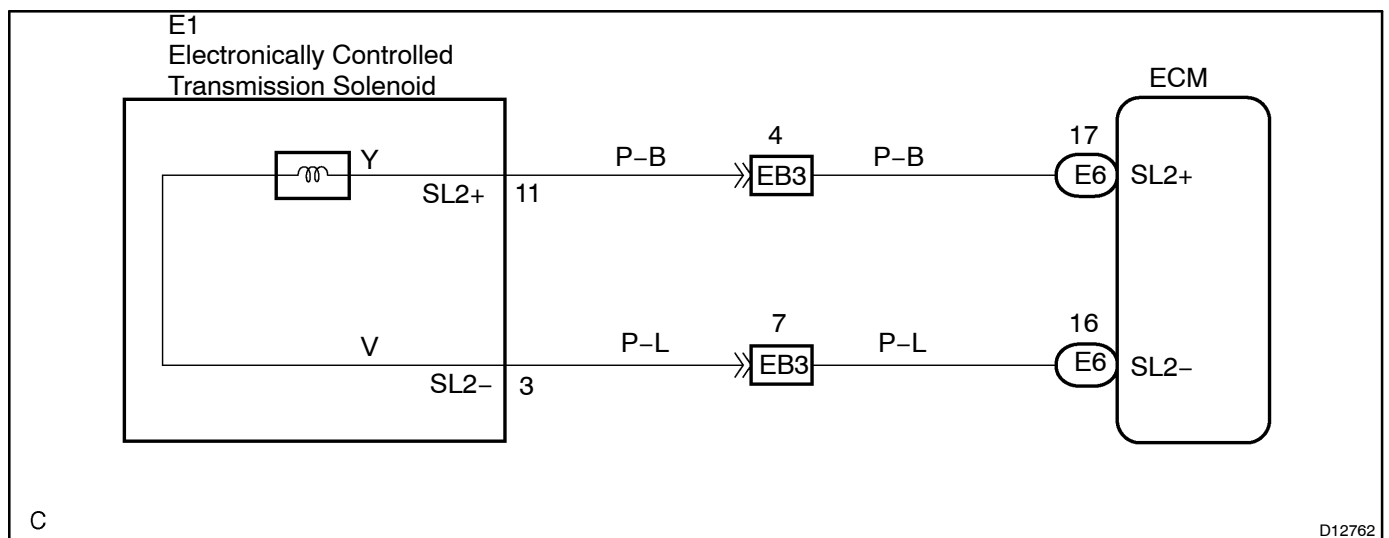
DTC	P0778	Pressure Control Solenoid "B" Electrical (Shift Solenoid Valve SL2)
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CIRCUIT DESCRIPTION

See page [DI-286](#).

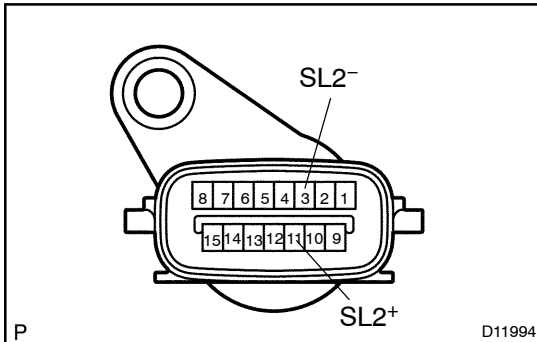
DTC No.	DTC Detection Condition	Trouble Area
P0778	ECM checks for an open or short circuit in shift solenoid valves SL2 (1-trip detection logic) (a) When solenoid is energized, duty ratio exceed 75% (b) When solenoid is not energized, duty ratio is less than 3%	• Open or short in shift solenoid valve SL2 circuit • Shift solenoid valve SL2 • ECM

WIRING DIAGRAM



INSPECTION PROCEDURE

1 Check transmission wire.



PREPARATION:

Disconnect the transmission wire connector.

CHECK:

Measure resistance between SL2⁺ and SL2⁻ of transmission wire.

OK:

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

CHECK:

Measure resistance between terminals SL2⁺ and SL2⁻ of the transmission wire connector and body ground.

OK:

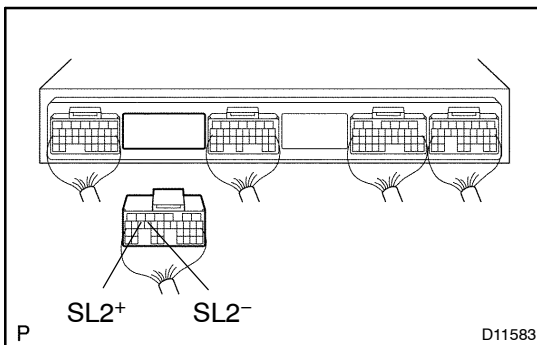
Resistance: 1 M Ω or higher

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Go to step 3.

OK

2 Measure resistance between terminal SL2⁺ and SL2⁻ of ECM connector.



PREPARATION:

- (a) Connect the transmission wire connector.
- (b) Disconnect the connector of the ECM.

CHECK:

Measure resistance between terminals SL2⁺ and SL2⁻ of ECM connector.

OK:

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

CHECK:

Measure resistance between terminals SL2⁺ and SL2⁻ of the ECM connector and body ground.

OK:

Resistance: 1 M Ω or higher

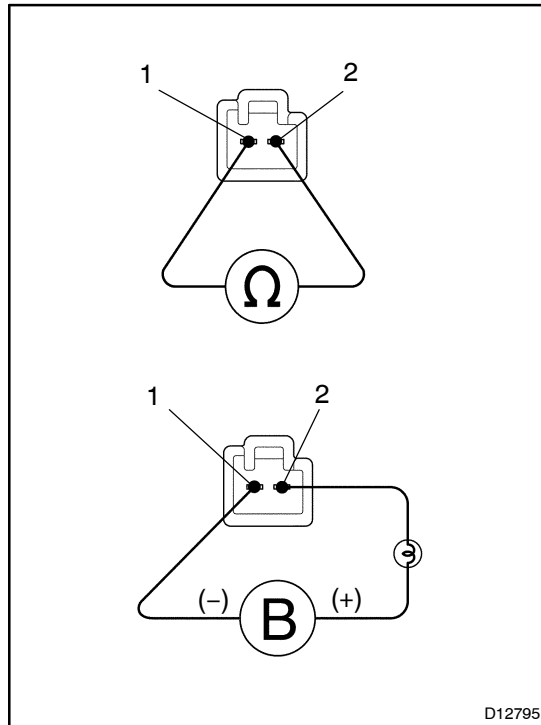
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Repair or replace the harness or connector (See page [IN-36](#)).

OK

Check and replace the ECM (See page [IN-36](#)).

3 Check shift solenoid valve SL2.



PREPARATION:

- Jack up the vehicle.
- Remove the oil pan.
- Remove the shift solenoid valve SL2.

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 negative (–) lead to terminal 1 of the solenoid valve connector, then check the movement of the valve.

Standard: Solenoid sounds operation noise.

OK:

Standard

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**Replace the shift solenoid valve SL2
(See page AT-8).**

OK

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