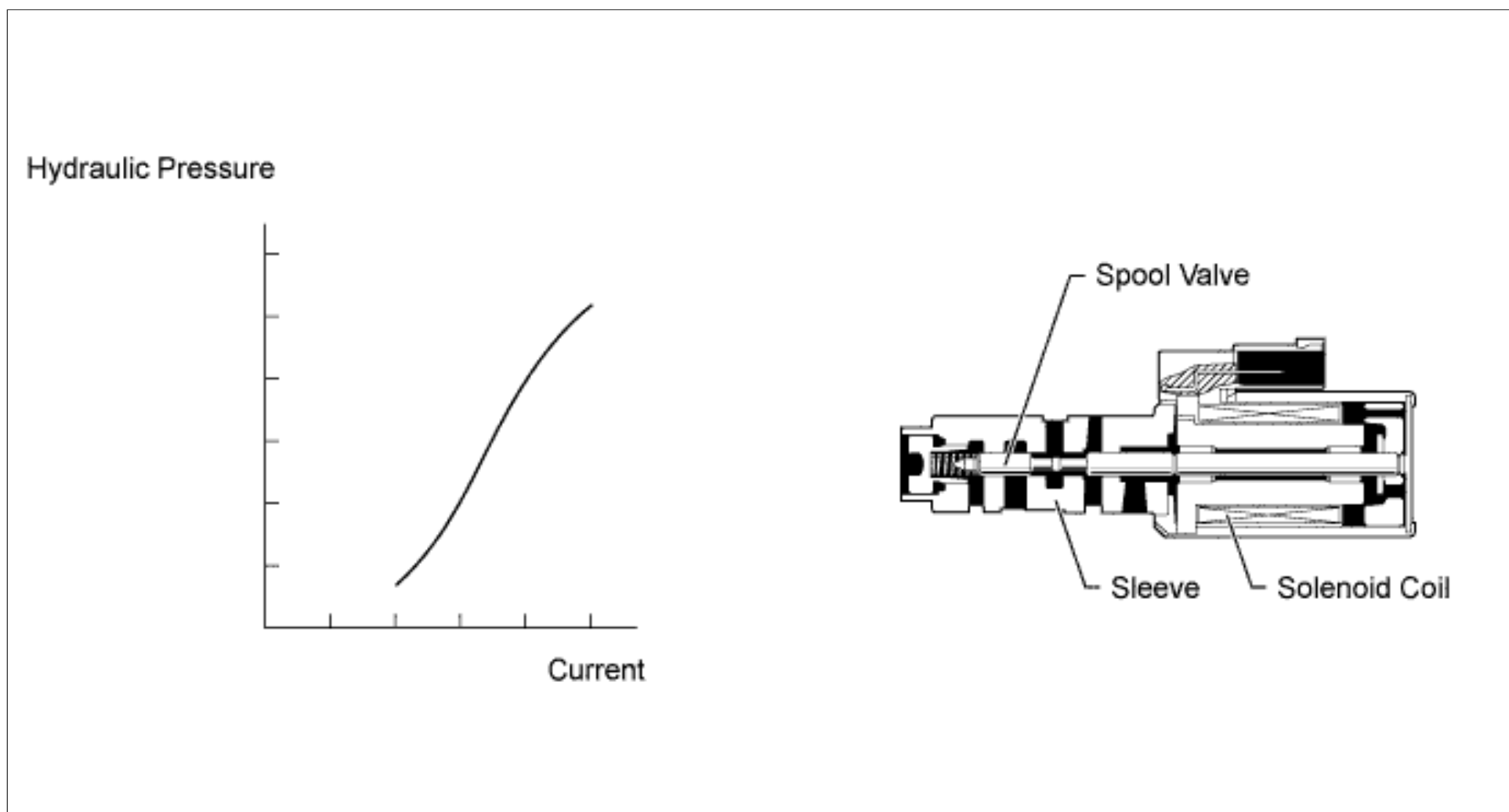


# DTC P2759 Torque Converter Clutch Pressure Control Solenoid Control Circuit Electrical (Shift Solenoid Valve SLU)

for Preparation [Click here](#)

## DESCRIPTION

The amount of current flow to the solenoid is controlled by the ECM. During the lock-up operation, if the current increases, the lock-up hydraulic pressure increases.

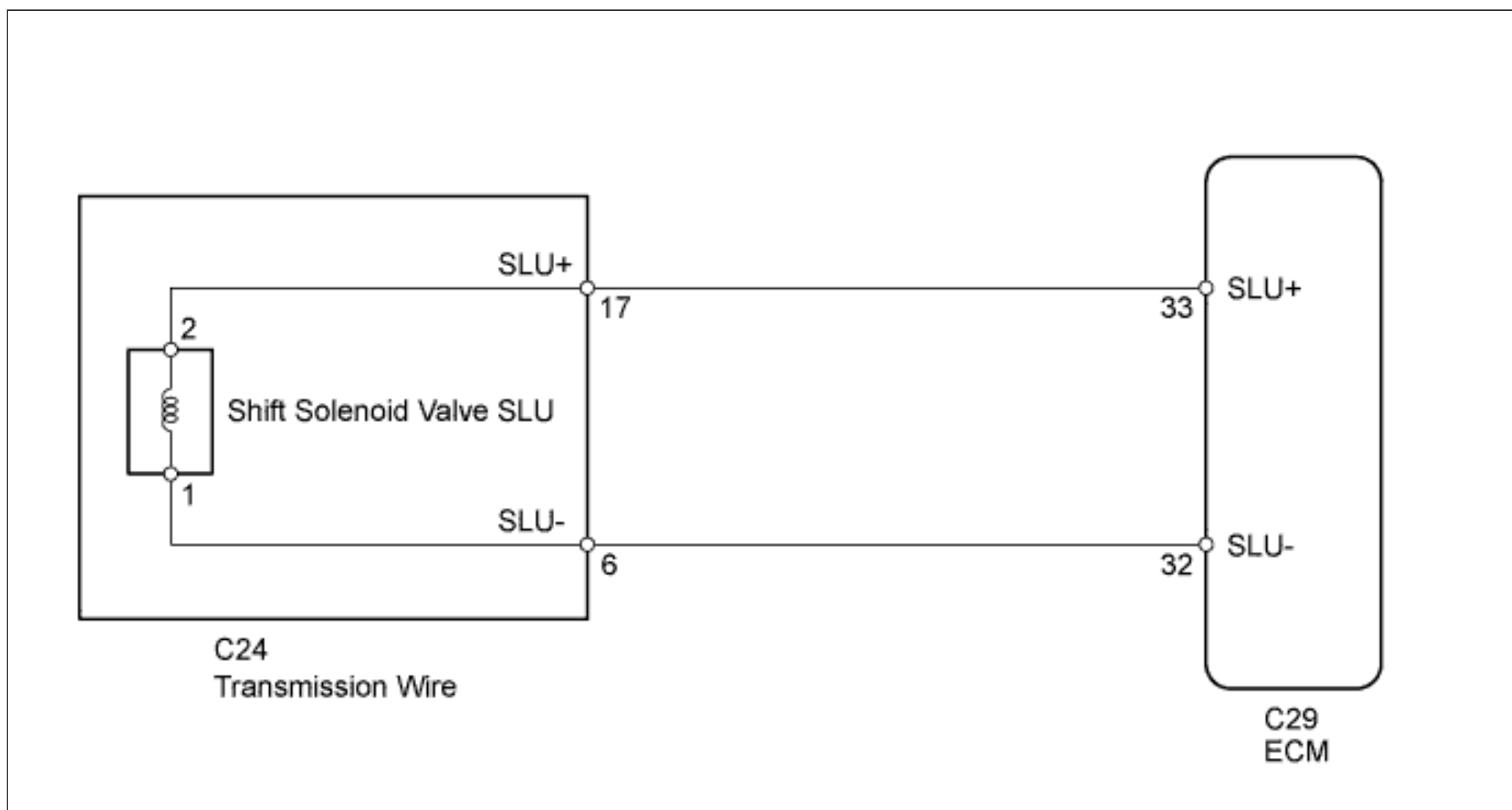


DTC Code	DTC Detection Condition	Trouble Area
P2759	Open or short is detected in the shift solenoid valve SLU circuit for 1 second or more while driving (1-trip detection logic).	<ul style="list-style-type: none"> <li>• Open or short in shift solenoid valve SLU circuit</li> <li>• Shift solenoid valve SLU</li> <li>• ECM</li> </ul>

## MONITOR DESCRIPTION

When an open or short in the shift solenoid valve SLU circuit is detected, the ECM determines that there is a malfunction. The ECM will illuminate the MIL and store the DTC.

## WIRING DIAGRAM



## INSPECTION PROCEDURE

### 1.INSPECT TRANSMISSION WIRE (SHIFT SOLENOID VALVE SLU)

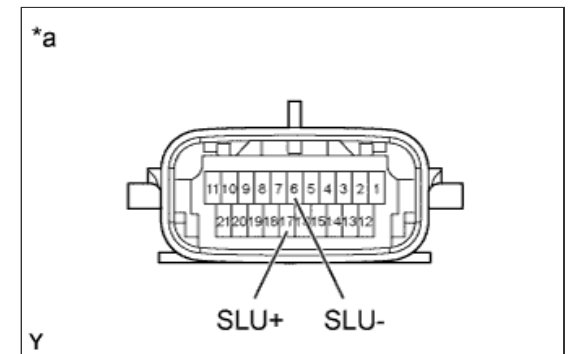
- Disconnect the C24 transmission wire connector.
- Measure the resistance according to the value(s) in the table below.

#### Standard Resistance:

Tester Connection	Condition	Specified Condition
17 (SLU+) - 6 (SLU-)	20°C (68°F)	5.0 to 5.6 Ω
17 (SLU+) - Body ground	Always	10 kΩ or higher
6 (SLU-) - Body ground	Always	10 kΩ or higher

#### Text in Illustration

*a	Component without harness connected (Transmission Wire)
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[Go to step 3](#)

OK

### 2.CHECK HARNESS AND CONNECTOR (TRANSMISSION WIRE - ECM)

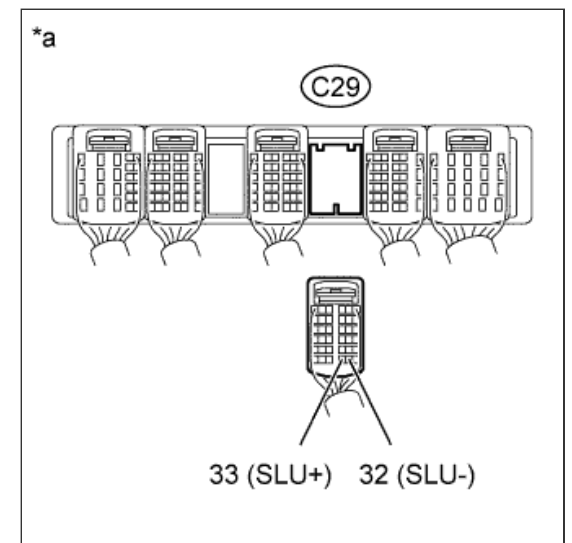
- Disconnect the C29 ECM connector.
- Measure the resistance according to the value(s) in the table below.

#### Standard Resistance:

Tester Connection	Condition	Specified Condition
C29-33 (SLU+) - C29-32 (SLU-)	20°C (68°F)	5.0 to 5.6 Ω
C29-33 (SLU+) - Body ground	Always	10 kΩ or higher
C29-32 (SLU-) - Body ground	Always	10 kΩ or higher

#### Text in Illustration

*a	Front view of wire harness connector (to ECM)
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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE ECM ([Click here](#))

### 3.INSPECT SHIFT SOLENOID VALVE SLU

- Remove shift solenoid valve SLU.
- Measure the resistance according to the value(s) in the table below.

#### Standard Resistance:

Tester Connection	Condition	Specified Condition
1 - 2	20°C (68°F)	5.0 to 5.6 Ω

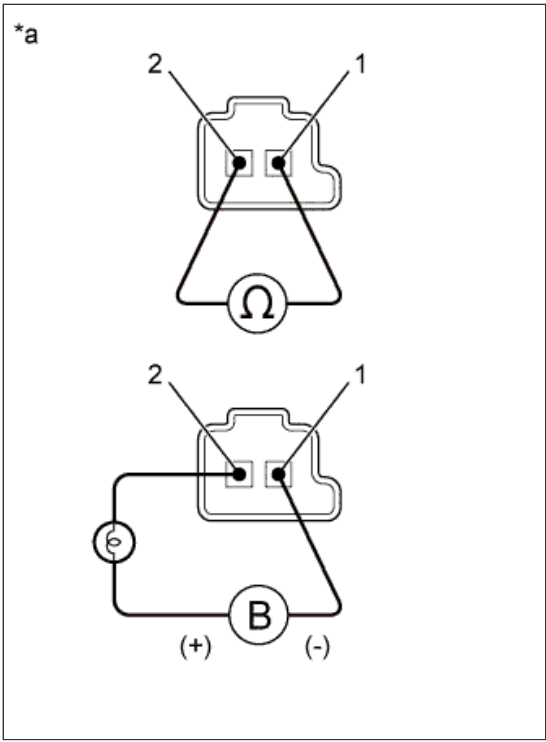
- Apply 12 V battery voltage to the shift solenoid valve and check that the valve moves and makes an operating noise.

#### OK:

Measurement Condition	Specified Condition
<ul style="list-style-type: none"> <li>Battery positive (+) with a 21 W bulb → Terminal 2</li> <li>Battery negative (-) → Terminal 1</li> </ul>	Valve moves and makes an operating noise

**Text in Illustration**

*a	Component without harness connected (Shift Solenoid Valve SLU)
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**REPLACE SHIFT SOLENOID VALVE SLU ([Click here](#))**

**OK**

**REPAIR OR REPLACE TRANSMISSION WIRE ([Click here](#))**