

DTC P2716 Pressure Control Solenoid "D" Electrical (Shift Solenoid Valve SLT)

for Preparation [Click here](#)

DESCRIPTION

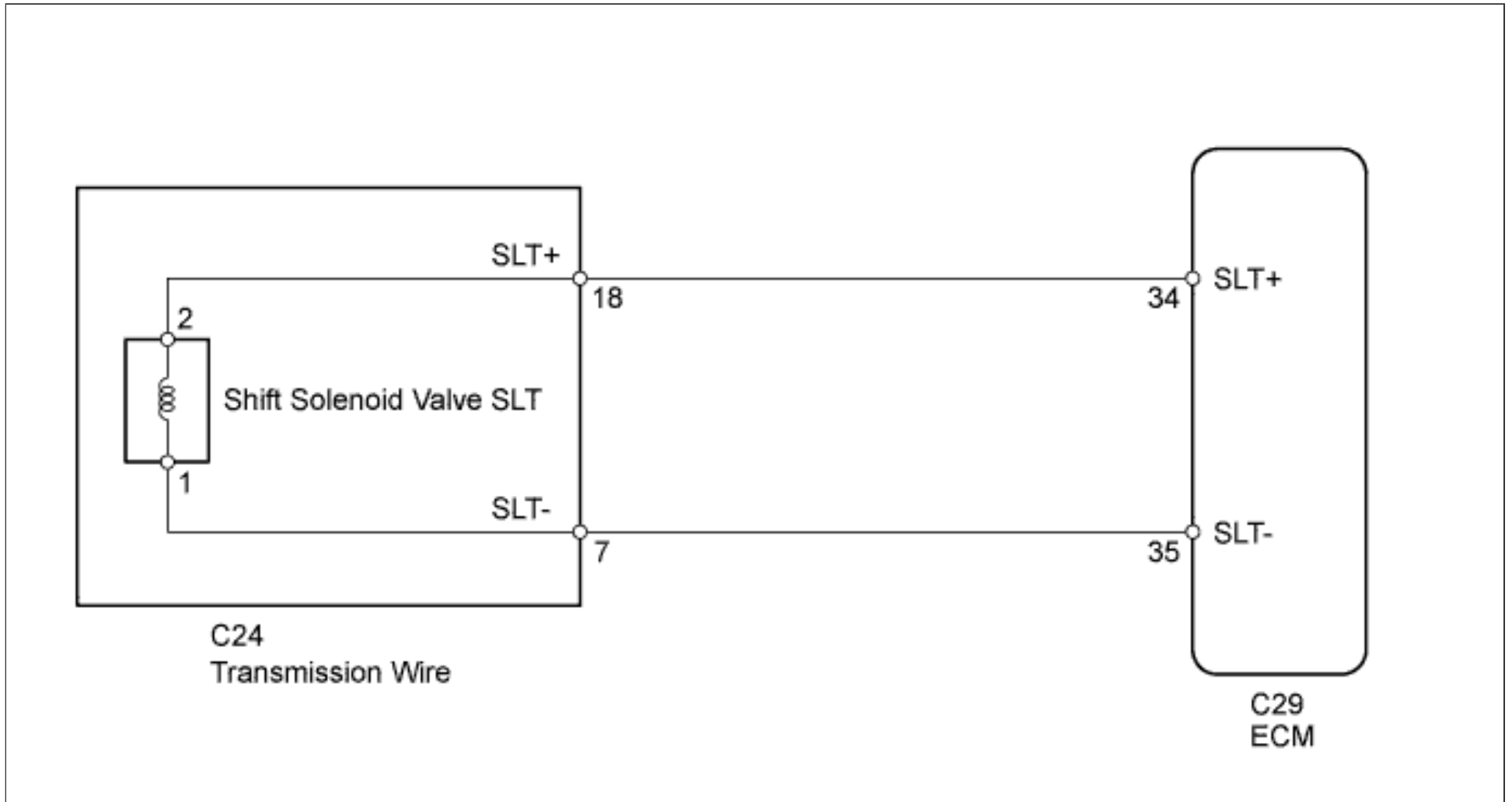
Refer to DTC P0894 ([Click here](#)).

DTC Code	DTC Detection Condition	Trouble Area
P2716	Open or short is detected in the shift solenoid valve SLT circuit for 1 second or more while driving (1-trip detection logic).	<ul style="list-style-type: none"> Open or short in shift solenoid valve SLT circuit Shift solenoid valve SLT ECM

MONITOR DESCRIPTION

When an open or short in the shift solenoid valve SLT circuit is detected, the ECM interprets this as a fault. The ECM will turn on the MIL and store the DTC.

WIRING DIAGRAM



INSPECTION PROCEDURE

1.INSPECT TRANSMISSION WIRE (SHIFT SOLENOID VALVE SLT)

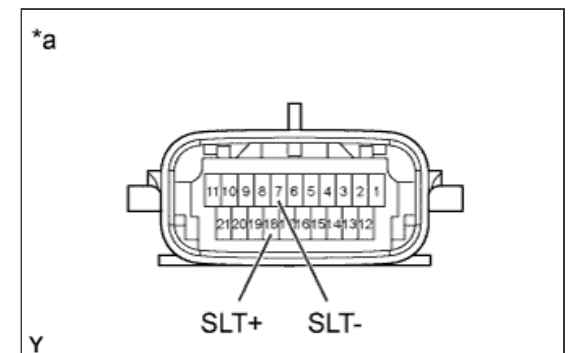
- Disconnect the C24 transmission wire connector.
- Measure the resistance according to the value(s) in the table below.

Standard Resistance:

Tester Connection	Condition	Specified Condition
18 (SLT+) - 7 (SLT-)	20°C (68°F)	5.0 to 5.6 Ω
18 (SLT+) - Body ground	Always	10 kΩ or higher
7 (SLT-) - 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)

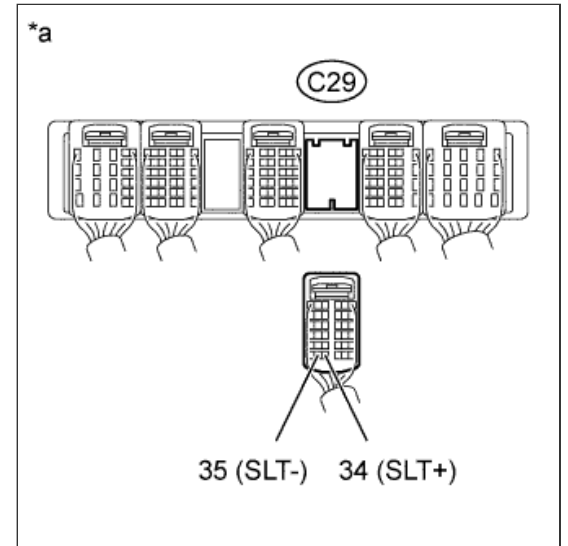
- a. Disconnect the C29 ECM connector.
 b. Measure the resistance according to the value(s) in the table below.

Standard Resistance:

Tester Connection	Condition	Specified Condition
C29-34 (SLT+) - C29-35 (SLT-)	20°C (68°F)	5.0 to 5.6 Ω
C29-34 (SLT+) - Body ground	Always	10 kΩ or higher
C29-35 (SLT-) - 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 SLT

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

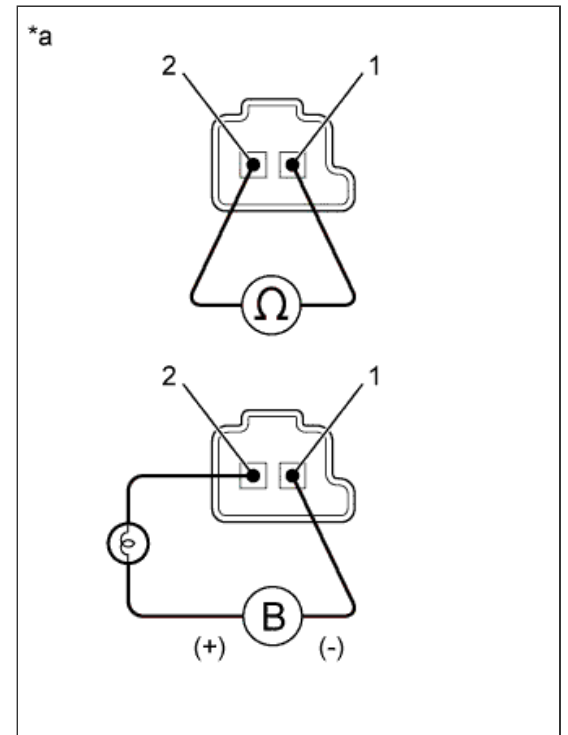
Standard Resistance:

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

- c. 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"> Battery positive (+) with a 21 W bulb → Terminal 2 Battery negative (-) → Terminal 1 	Valve moves and makes an operating noise



Text in Illustration

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

OK

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

