

|            |              |                                                                          |
|------------|--------------|--------------------------------------------------------------------------|
| <b>DTC</b> | <b>P2716</b> | <b>PRESSURE CONTROL SOLENOID "D"<br/>ELECTRICAL (SHIFT SOLENOID SLT)</b> |
|------------|--------------|--------------------------------------------------------------------------|

## CIRCUIT DESCRIPTION

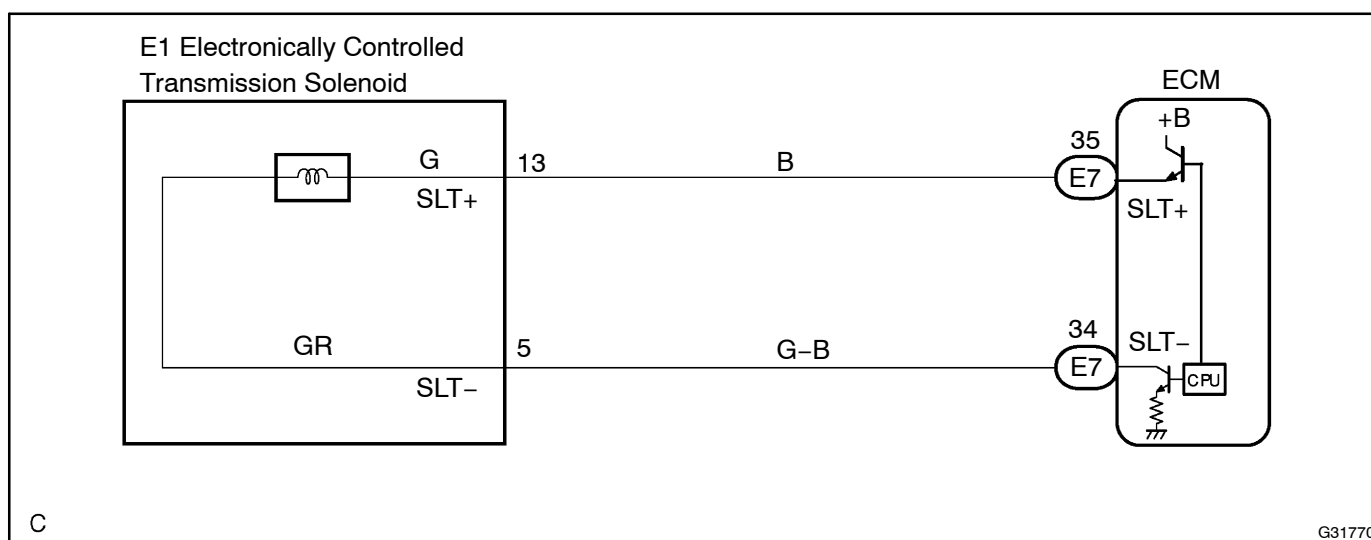
See page 05-627.

| DTC No. | DTC Detection Condition                                                                                                               | Trouble Area                                                                                                                                             |
|---------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| P2716   | Condition (a) or (b) below is detected 1 sec. or more:<br>(1-trip detection logic)<br>(a) SLT- terminal: 0V<br>(b) SLT- terminal: 12V | <ul style="list-style-type: none"> <li>• Open or short in shift solenoid valve SLT circuit</li> <li>• Shift solenoid valve SLT</li> <li>• ECM</li> </ul> |

## MONITOR DESCRIPTION

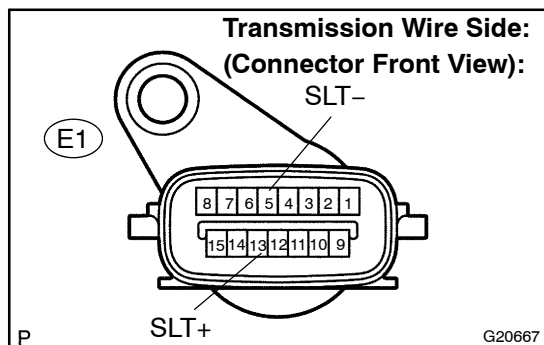
When an open or short in the linear solenoid valve (SLT) circuit is detected, the ECM interprets this as a fault. The ECM will turn ON the MIL and store the DTC.

## WIRING DIAGRAM



## INSPECTION PROCEDURE

## 1 INSPECT TRANSMISSION WIRE(SLT)



- (a) Disconnect the transmission wire connector from the transaxle.
- (b) Measure the resistance according to the value(s) in the table below.

**Standard:**

| Tester Connection    | Specified Condition<br>20°C (68°F) |
|----------------------|------------------------------------|
| 13 (SLT+) – 5 (SLT-) | 5.0 to 5.6 Ω                       |

- (c) Measure the resistance according to the value(s) in the table below.

**Standard (Check for short):**

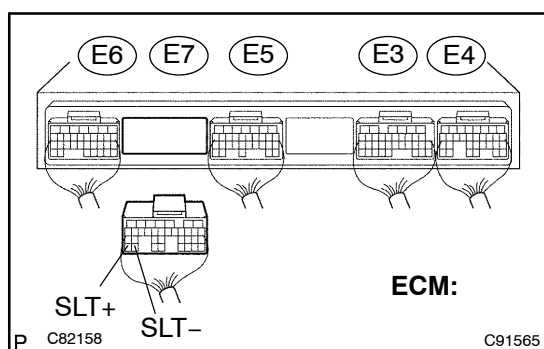
| Tester Connection       | Specified Condition |
|-------------------------|---------------------|
| 13 (SLT+) – Body ground | 10 kΩ or higher     |
| 5 (SLT-) – Body ground  | ↑                   |

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Go to step 3

OK

## 2 CHECK HARNESS AND CONNECTOR(TRANSMISSION WIRE – ECM)



- (a) Connect the transmission wire connector to the transaxle.
- (b) Disconnect the ECM connector.
- (c) Measure the resistance according to the value(s) in the table below.

**Standard:**

| Tester Connection               | Specified Condition<br>20°C (68°F) |
|---------------------------------|------------------------------------|
| E7 – 35 (SLT+) – E7 – 34 (SLT-) | 5.0 to 5.6 Ω                       |

- (d) Measure the resistance according to the value(s) in the table below.

**Standard (Check for short):**

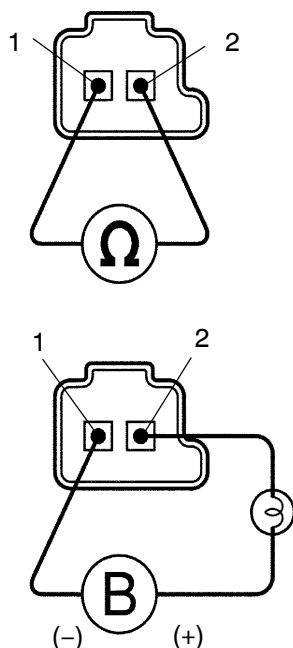
| Tester Connection            | Specified Condition |
|------------------------------|---------------------|
| E7 – 35 (SLT+) – Body ground | 10 kΩ or higher     |
| E7 – 34 (SLT-) – Body ground | ↑                   |

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REPAIR OR REPLACE HARNESS OR  
CONNECTOR (SEE PAGE 01-44)

OK

REPLACE ECM (SEE PAGE 10-21)

**3 INSPECT SHIFT SOLENOID VALVE(SLT)****Shift Solenoid Valve SLT:**

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

**Standard:**

| Tester Connection | Specified Condition<br>20°C (68°F) |
|-------------------|------------------------------------|
| 1 – 2             | 5.0 to 5.6 Ω                       |

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

**OK:**

The solenoid makes an operating noise.

**NG****REPLACE SHIFT SOLENOID VALVE(SLT)****OK****REPAIR OR REPLACE TRANSMISSION WIRE (SEE PAGE 40-28)**