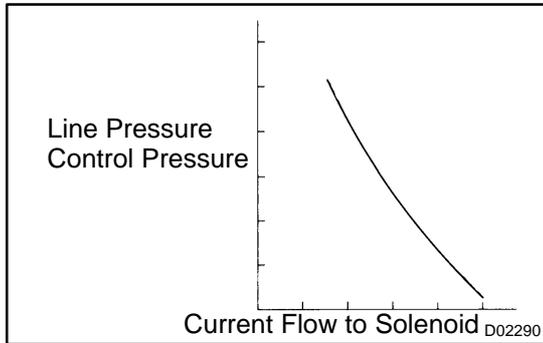


<b>DTC</b>	<b>P2716</b>	<b>Pressure Control Solenoid "D" Electrical (Only for 5VZ-FE)</b>
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**CIRCUIT DESCRIPTION**

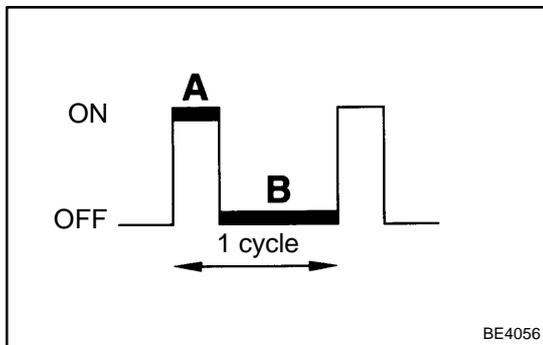
The throttle pressure that is applied to the primary regulator valve (which modulates line pressure) causes the solenoid valve SLT, under electric control, to precisely and minutely modulate and generate line pressure according to the accelerator pedal effort, or the detected engine power output. This reduces the function of line pressure and provides smooth shifting characteristics.

Upon receiving the throttle valve opening angle signal, the ECM controls the line pressure by sending a predetermined (\*) duty ratio to the solenoid valve, modulating the line pressure, and generating throttle pressure.

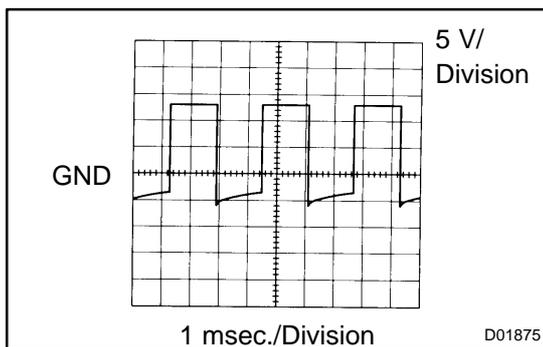
(\*) Duty Ratio

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

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



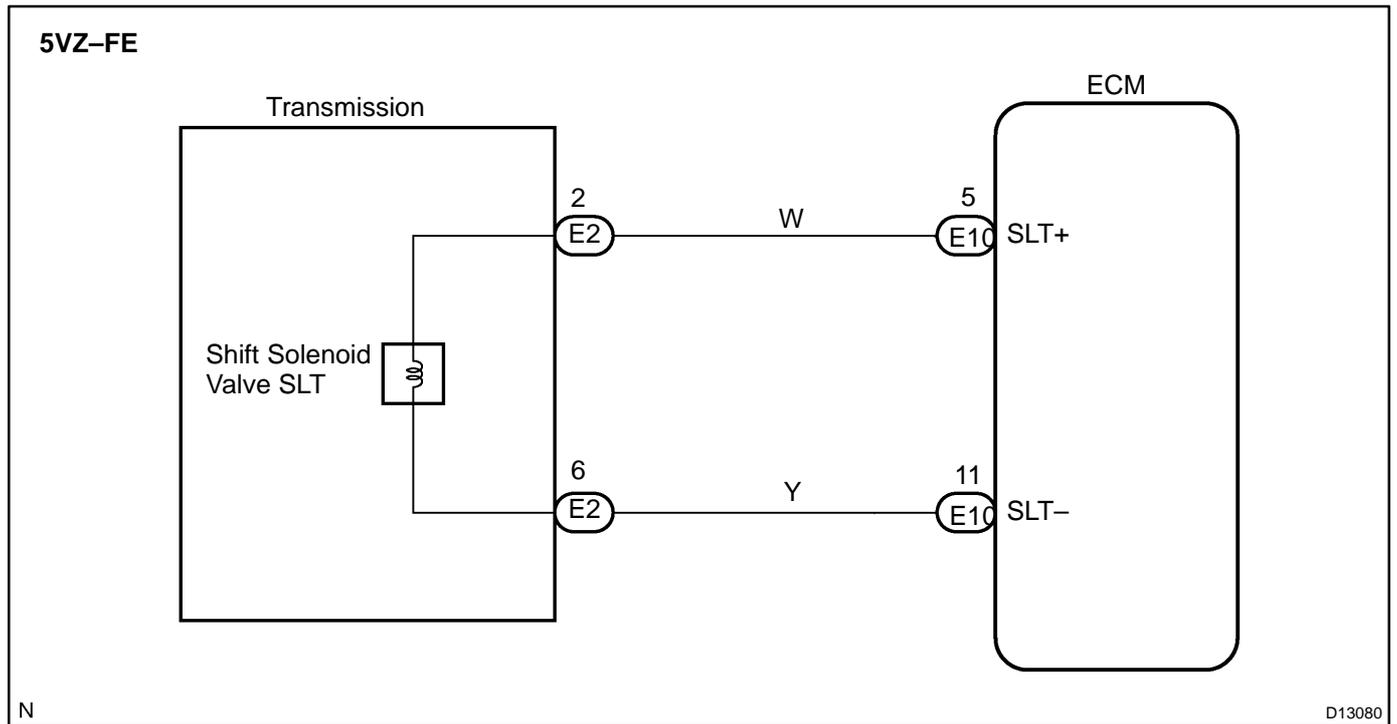
DTC No.	DTC Detection Condition	Trouble Area
P2716	ECM detects solenoid SLT circuit malfunction for 1 sec. or more	<ul style="list-style-type: none"> <li>• Open or short in shift solenoid valve SLT circuit</li> <li>• Shift solenoid valve SLT</li> <li>• ECM</li> </ul>



**HINT:**

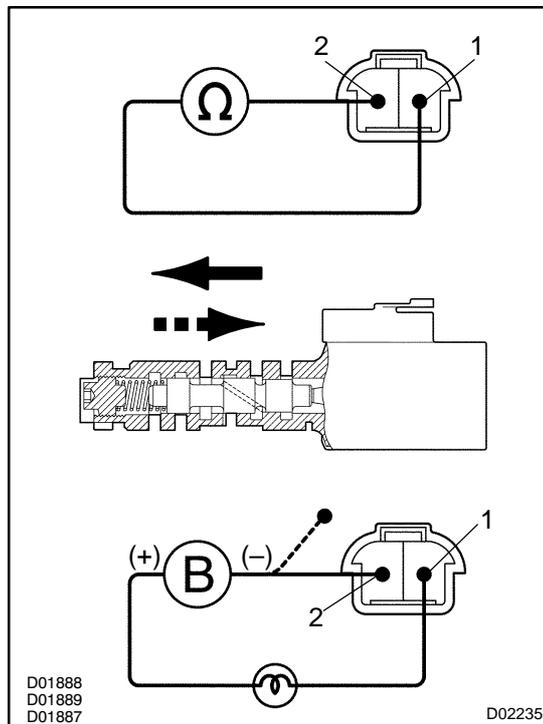
The waveform between terminals SLT+ and SLT- while the engine is idling is shown on the left.

# WIRING DIAGRAM



## INSPECTION PROCEDURE

## 1 Check shift solenoid valve SLT.

**PREPARATION:**

- Remove the oil pan.
- Disconnect the solenoid connector.

**CHECK:**

- Measure the resistance between terminals 1 and 2 of the solenoid connector.

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

- Connect the positive (+) lead through an 8 – 10 W bulb to terminal 1 of the solenoid connector and negative (–) lead to terminal 2, then check the movement of the valve.

**Standard:**

When battery positive voltage is applied.	Valve moves in  direction
When battery positive voltage is cut off.	Valve moves in  direction

**OK:**

**Standard.**

**NG**

**Replace shift solenoid valve SLT.**

**OK**

## 2 Check harness and connector between shift solenoid valve SLT and ECM.

**NG**

**Repair or replace harness or connector.**

**OK**

**Check and replace the ECM  
(See page IN-28).**