DTC□		PRESSURE[CONTROL[SOLENOID]"B" ELECTRICAL[(SHIFT[SOLENOID[VALVE SL2)	
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## **CIRCUIT** DESCRIPTION

Shifting[from] st[to@th[isperformed]incombination[with]"ON"and "OFF" operation of the shift solenoid valves SL1, \$L2, \$1, \$2, \$3, \$4 and \$R which is controlled by the ECM. If an open or short of it cours in either of the shift solenoid valves, the ECM controls the generating from all shift solenoid valve to be operated moothly see page 5-553).

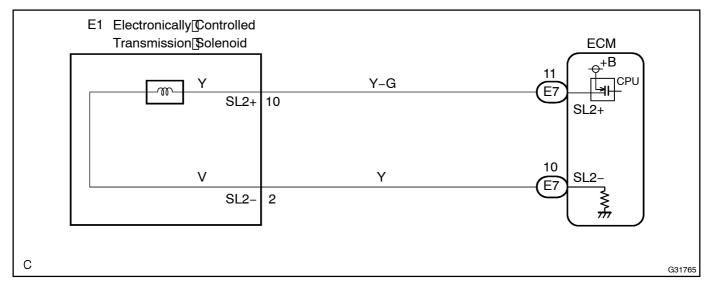
DTC[No.	DTC[Detection Condition	Trouble[ <u>A</u> rea
P0778	The ECM checks for an open or short in the shift solenoid valve \$1.2 circuit while driving and shifting gears. 1 - trip detection logic)  Output signal duty equals of 00%. [S1.2 output signal duty s less than 00% under formal condition.)	Open@r[short]n[shift[solenoid[yalve[sl2@ircuit Shift[solenoid[yalve[sl2 ECM

## MONITOR DESCRIPTION

This DTC indicates an open or short in the shift solenoid valve \$L2 \( \) ircuit. The ECM \( \) commands \( \) gear \( \) hift \( \) by in the shift solenoid valve \( \) in the shift solenoid valve \( \) in the shift solenoid valve \( \) in the ECM \( \) detects the problem and in minates the MIL \( \) and \( \) to restinct the ECM \( \) performs the safe function and furns the \( \) the solenoid valves in \( \) good \( \) condition \( \) ON/OFF". (In \( \) case of \( \) and \( \) performs to restinct the ECM \( \) tops \( \) sending \( \) urrent (1) of the \( \) in the \( \) case of \( \) and \( \) performs the tircuit, the ECM \( \) tops \( \) sending \( \) urrent (1) of the \( \) in the \( \) in the \( \) in the \( \) in the \( \) of \( \) in the \( \) in the

While driving and shifting gears, fill he ECM detects an open or short in the shift solenoid valve \$L2 \text{cuit}, the ECM determines here is a malfunction see \text{page 05-553}.

### WIRING DIAGRAM



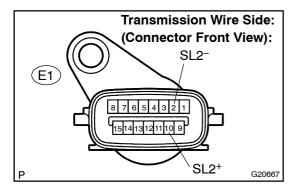
### **INSPECTION PROCEDURE**

#### HINT:

• The shift solenoid valve SL2 is turned on/off normally when the shift lever is in the D position:

ECM command gearshift	1st	2nd	3rd	4th	5th	6th
Shift solenoid valve SL2	ON	ON	ON	ON	OFF	OFF

## 1 INSPECT TRANSMISSION WIRE(SL2)



- (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 20°C (68°F)		
10 (SL2+) - 2 (SL2-)	5.0 to 5.6 Ω		

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

#### OK:

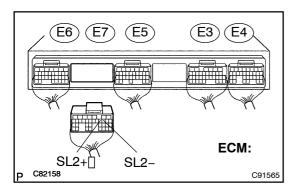
### Standard (Check for short):

Tester Connection	Specified Condition		
10 (SL2+) – Body ground	10 kΩ or higher		
2 (SL2-) - Body ground	1		

NG Go to step 3

OK

## 2 | CHECK[HARNESS[AND]CONNECTOR(TRANSMISSION[WIRE - [ECM)



- (a) Connect the ransmission connector of the ransaxle.
- (b) Disconnect the connector from the ECM.
- (c) Measure[the[resistance[according[to[the[value(s)]]n[the table[below.

#### Standard:

Tester[Connection	Specified[Condition 20°C[68°E)		
E7 -[]1[[SL2+) -[E7 -[]0[[SL2-)	5.0¶o[\$.6[ <u>\$</u> 2		

(d) Measure[the[resistance[according[to[the[value(s)]]n[the table[below.

#### Standard[Check[for[short):

Tester Connection	Specified Condition
E7 -[]1[(SL2+) -[Body[ground	10[kt͡͡͡ɒ[ð̞r[ħigher
E7 -[]0[[SL2-) -[Body[ground	<b>↑</b>

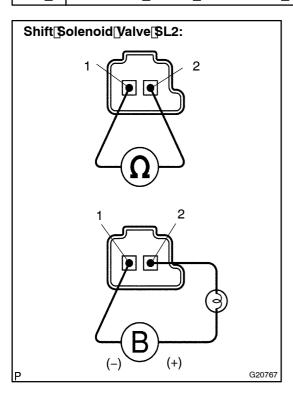
NG

REPAIR OR REPLACE HARNESS OR CONNECTOR SEE PAGE 1-44

OK

### REPLACE[ECM[[SEE[PAGE 10-21]

# 3 | INSPECT[SHIFT[SOLENOID[VALVE(SL2)



- (a) Remove the shift solenoid valve L2.
- (b) Measure[the[resistance[according[to[the[value(s)]]n[the table[below.

#### Standard:

Tester[ <b>©</b> onnection	Specified[Condition 20°C[68°E)		
1 –[2]	5.0ᠿoᠿ\$.6ᠿ		

(c) Connect[the[positive[]+)[lead[with]a[21]W[bulb[to[terminal 2[and[the[negative[]-)]lead[to[terminal]] [bf[the[solenoid valve[bonnector,[then[bheck[the[]novement[bf[the]yalve.]]])]

#### OK:

The solenoid makes an operating hoise.

NG∏

REPLACE[\$HIFT[\$OLENOID[YALVE(\$L2)]

ОК

REPAIR OR REPLACE TRANSMISSION WIRE SEE PAGE 40-28)