DTC	P0976□	SHIFT[\$OLENOID[]'B"[CONTROL[CIRCUIT LOW[[SHIFT[\$OLENOID[VALVE[\$2)
DTC	P0977□	SHIFT[\$OLENOID[]"B"[CONTROL[CIRCUIT HIGH[SHIFT[\$OLENOID[VALVE[\$2)

CIRCUIT DESCRIPTION

Shifting[from[] st[]p[6th[]s[performed[]h[combination[]with[]]ON"[and[]]OFF"[operation[]off[]he[]shift[]solenoid[]valves SL1,[\$L2,[\$1,[\$2,[\$3,[\$4]and[\$R]which[is]controlled[by]]he[ECM.[]f[an]open[or]short[circuit]occurs[in]either of[the[shift[solenoid[yalves,[the[ECM[controls[the[gemaining[fnormal[shift[solenoid[yalve[to[allow[the[yehicle to[be[operated[smoothly.]]In[case[of[an[open[or[short[circuit,]]]he[ECM[stops[sending[current]]o[]]he[circuit.] Fail safe unction see page 5-553).

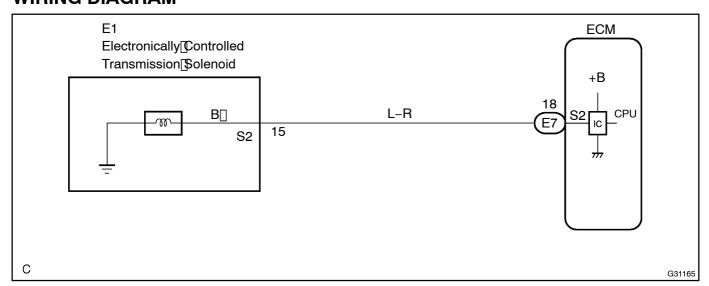
	DTC[No.	DTC[Detection[Condition	Trouble[Area
	P0976	ECM@detects[short[]n[solenoid[yalve[\$2[circuit[2]]imes[when solenoid[yalve[\$2[]s[operated[[1-trip@detection[]ogic)	Short_in_\$hift[\$olenoid[yalve]\$2[circuit Shift[\$olenoid[yalve]\$2 ECM
	P0977	ECM@detects@pen@n@olenoid@alve@\$2@ircuit@@imes@when solenoid@alve@\$2@s@not@perated@1-trip@detection@ogic)	Open[jn[\$hift[\$olenoid[yalve[\$2[¢ircuit

MONITOR DESCRIPTION

These DTCs indicate an open or short in the shift solenoid valve 2 circuit. When there is an open or short circuit[]n[any[\$hift[\$olenoid[]valve[circuit,[]the[]ECM[]detects[]the[]problem[]and[]lluminates[]the[]MIL[]and[]\$tores $the \cite{the pto} TC. \cite{t$ a[\$hort[]n[]he[\$hift[\$olenoid[]yalve[\$2[circuit.

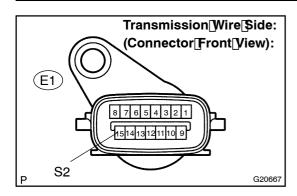
When the thift solenoid valve \$2 to fif, fiftesistance to 00 the thin ore, the technique termines there is the resistance to the third solenoid valve. The technique termines the resistance to the third solenoid valve \$2 to fifte the technique termines the resistance to the technique termines the technique termines the resistance to the technique termines the technique termines to the technique termines the technique in[the[shift[solenoid[valve[\$2]circuit[see]page[05-553).

WIRING DIAGRAM



INSPECTION PROCEDURE

1 | INSPECT|TRANSMISSION|WIRE(S2)



- (a) Disconnect in eliminam sion wire connector from the transaxle.
- (b) Measure[the[resistance[according[to[the[value(s)]]n[the table[below.

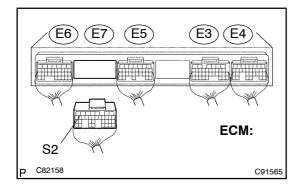
Standard:

Tester[Connection	Specified[Condition 20°C[[68°E]			
15 -[Body[ground	11[[]o[]] 5[[]2			

NG Go[to[step[3

ОК

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



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

Standard:

Tester[Connection	Specified[Condition 20°C[[68°E]
E7 -[]8[[S2) -[Body[ground	11[] o[] 5[<u>\$</u> 2

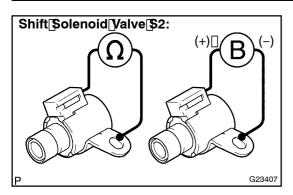
NG

REPAIR OR REPLACE HARNESS OR CONNECTOR SEE PAGE 1-44)

OK

REPLACE[ECM[(SEE[PAGE 10-21)

3 INSPECT[\$HIFT[\$OLENOID[VALVE(\$2)]



- (a) Remove the shift solenoid valve 2.
- (b) Measure the resistance according to the value (s) in the table below.

Standard:

Tester[Connection	Specified[Condition 20°C[[68°E)
Solenoid[Connector[S2) -[Solenoid Body[S2)	11[[]o[] 5[[]2

(c) Connect positive +) lead of heterminal of solenoid onnector, gegative -) lead of hete solenoid body.

OK:

The solenoid makes an operating hoise.

NG□

REPLACE[\$HIFT[\$OLENOID[VALVE(\$2)]

OK

REPAIR OR REPLACE TRANSMISSION WIRE SEE PAGE 40-28)