$\begin{array}{l} \texttt{ELECTRONIC} @\texttt{CONTROLLED} @\texttt{A} \texttt{UTOMATIC} \\ \texttt{TRANSMISSION} @\texttt{ECT} \end{bmatrix}$

DTC	P0973□	SHIFT[\$OLENOID["A"[CONTROL[CIRCUIT LOW[(SHIFT[\$OLENOID[VALVE[\$1)
DTC	P 0974□	SHIFT[\$OLENOID["A"[CONTROL[CIRCUIT HIGH[SHIFT[\$OLENOID[VALVE[\$1)

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@he[shift[solenoid[valves,@he[ECM]controls@he[gemaining@normal[shift[solenoid[valve@oatlow@he[vehicle to[be[operated[smoothly.]]In[case[of[an[open[or[short[circuit,]]]he[ECM[stops[sending[current]]o]]he[circuit.] Fail[safe[function[see]page[05-553]).

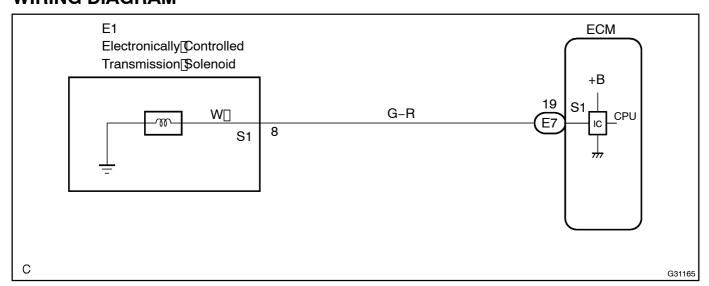
DTC[No.	DTC[Detection[Condition	Trouble[<u>A</u> rea
P0973	ECM@detects[short[]n[solenoid[yalve[\$1]circuit[2][imes[]when solenoid[yalve[\$1][s[]perated[[1-trip[]detection[]ogic)	Shortinshiftsolenoidsalves1sircuit Shiftsolenoidsalves1 ECM
P0974	ECM@detects@pen@n@solenoid@yalve@\$1@ircuit@@imes@when solenoid@yalve@\$1@s@not@perated@1-trip@detection@ogic)	Open[jn[shift[solenoid[yalve[\$1]circuit Shift[solenoid[yalve[\$1 ECM

MONITOR DESCRIPTION

These DTCs indicate an open or short in the shift solenoid valve 1 circuit. When there is an open or short circuit[]n[any[shift[solenoid[valve[circuit,]]he[ECM[detects[]he[problem[and[]]luminates[]he[MIL[and[stores $the \cite{the pto} TC. \cite{t$ a[\$hort[in[the[\$hift[\$olenoid[]yalve[\$1[circuit.

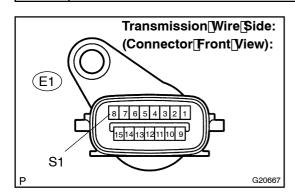
When the thift solenoid valve \$1 to fift on the third solenoid valve \$1 to fift on the third of the third solenoid valve \$1 to fift on the third of in[the[shift[solenoid[valve[\$1]circuit[see[page[05-553]).

WIRING DIAGRAM



INSPECTION PROCEDURE

1∏ INSPECT[TRANSMISSION[WIRE(S1)



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

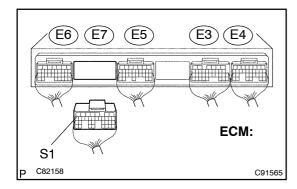
Standard:

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

NG[]> | Go[to[step[3

OK

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



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

Standard:

Tester C onnection	Specified[Condition 20°C[[68°E]
E7 -[]9[[S1) -[Body[ground	11[] o[] 5[<u>\(\)</u> 2

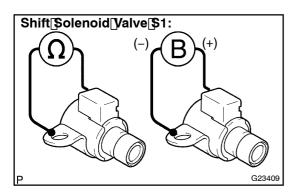
NG∏

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

OK

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

3 | INSPECT[\$HIFT[\$OLENOID[VALVE(\$1)



- (a) Remove the shift solenoid valve 1.
- (b) Measure[the[resistance[according[to[the[value(s)]]n[the table[below.

Standard:

Tester[Connection	Specified[Condition 20°C[68°E)
Solenoid[Connector[S1) -[Solenoid Body[S1)	11[[]o[]] 5[[]2

(c) Connect[positive[]+)[]ead[]o[]he[]erminal[pf[solenoid[connector,[]hegative[]-)[]ead[]o[]he[solenoid[body.

OK:

The solenoid makes an operating noise.

NG□

REPLACE[\$HIFT[\$OLENOID[YALVE(\$1)

OK

REPAIR OR REPLACE TRANSMISSION WIRE SEE PAGE 40-28)