DI0EW-05

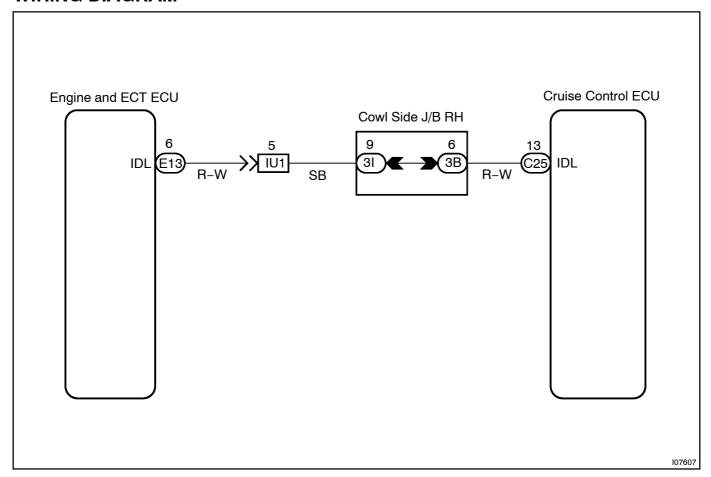
DTC 51 Idle Signal Circuit	
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CIRCUIT DESCRIPTION

When the idle switch is turned ON, a signal is sent to the ECU. The ECU uses this signal to correct the discrepancy between the throttle valve position and the actuator position sensor values to enable accurate cruise control at the set speed. If the idle switch is malfunctioning, problem symptoms also occur in the engine, so also inspect the engine.

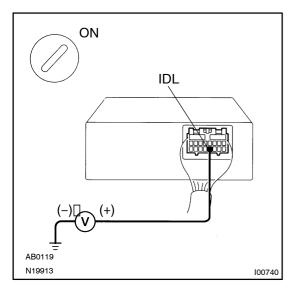
DTC No.	Detection Item Trouble Area	
51	Short in idle signal circuit.	Harness or connector between engine and ECT ECU and
		throttle position sensor
		Throttle position sensor
		Harness or connector between cruise control ECU and en-
		gine and ECT ECU
		Cruise control ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

1 Check[voltage[between[terminal]]DL[bf[cruise]control[ECU]connector[and[body ground.



PREPARATION:

- (a) Remove The ECU [with connector still connected.
- (b) Disconnect he engine and ECT ECU connector.
- (c) Turn ignition switch ON.

CHECK:

OK:

Throttle[]valve[]position	Voltage	
Fully <u>[</u> opened	10 -[] 4[V	
Fully[thosed	Below[] [] /	

OK[]

Proceed_to_next_circuit_inspection_shown_in problem_symptom[table_See_page_DI-682).



2 Check[harness[and[connector[between[engine[and[ECT[ECU[and[throttle[position[sensor[See[page]N-35]].

NG

Repair or replace harness or connector.



3∏

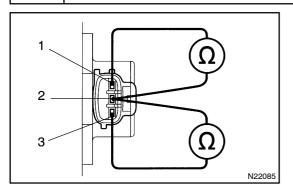
Check[throttle[position]sensor[circuit[See[page[DI-35,[DI-126].

NG

Replace throttle position sensor.

ок

4 Check[throttle[position[sensor.



PREPARATION:

Disconnect[he[hrottle]position[sensor[connector.

CHECK:

OK:

Terminals	Throttle[]valve[]position	Resistance
1 -[2	-	2.5[}-[\$.9[k[Ω
2 -[3	Fully[opened	0.2[}-[6.3[k[Ω
2 -[3	Fully@losed	2.0[}-[]0.2[k[2]

NG□

Replace[throttle[position[sensor.

OK

5 Check[for[open[and[short[]n[harness[and[connector[between[cruise[control[ECU and[engine[and[ECT[ECU[See[page[]N-35]).

NG

Repair or replace harness or connector.

ок

Check[and[replace[cruise[control[ECU[See page]N-35).