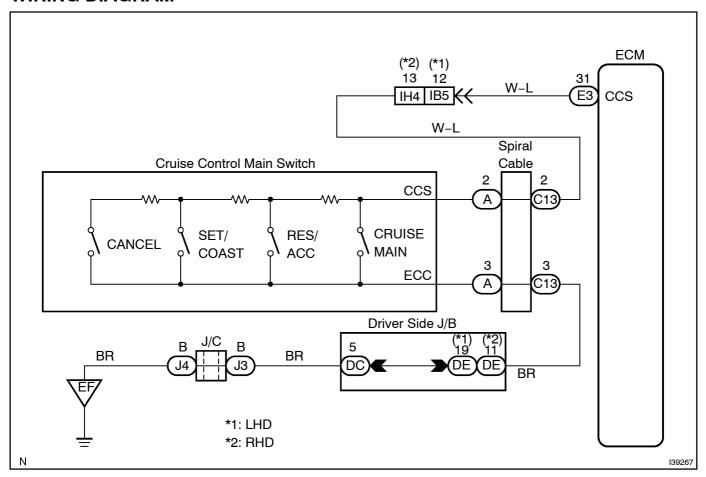
CRUISE CONTROL SWITCH CIRCUIT

CIRCUIT DESCRIPTION

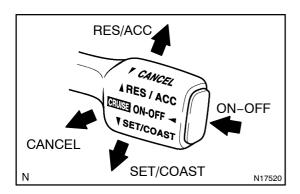
The cruise control main switch operates seven functions: SET, COAST, TAP-DOWN, RESUME, ACCEL, TAP-UP, and CANCEL. The SET, TAP-DOWN and COAST functions, and the RESUME, TAP-UP and ACCEL functions are operated with the same switch respectively. The cruise control main switch is an automatic return type switch which turns on only while operating it in each arrow direction and turns off after releasing it. The internal contact point of the cruise control main switch is turned on with the switch operation. Then the ECM reads the resistance value that has been changed by the switch operation to control SET, COAST, RESUME, ACCEL and CANCEL.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 READ VALUE ON INTELLIGENT TESTER II



- (a) Connect the intelligent tester II to the DLC3.
- (b) Turn the ignition switch to the ON position.
- (c) According to the display on the tester, read the "DATA LIST".

ECM:

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
Main SW M-CPU	Main SW signal (Main CPU) / ON or OFF	ON: Main SW ON (Pushed on) OFF Main SW OFF (Pushed off)	-
Main SW S-CPU	Main SW signal (Sub CPU) / ON or OFF	ON: Main SW ON (Pushed on) OFF Main SW OFF (Pushed off)	-
CANCEL Switch	CANCEL SW signal / ON or OFF	ON : CANCEL SW ON OFF : CANCEL SW OFF	-
SET/COAST Switch	SET/COAST SW signal / ON or OFF	ON : SET/COAST SW ON OFF : SET/COAST SW OFF	-
RES/ACC Switch	RES/ACC SW signal / ON or OFF	ON : RES/ACC SW ON OFF : RES/ACC OFF	-

OK: When cruise control main switch operation is performed the standard values will be above. Result:

OK	A
NG (All items are defective.)	В
NG (One to Four item are defective.)	С

B Go to step 2

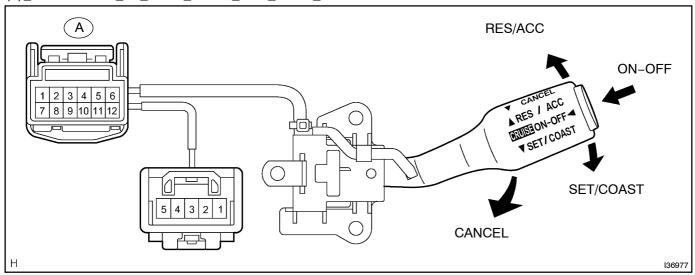
REPLACE CRUISE CONTROL MAIN SWITCH ASSY[SEE[PAGE[82-11]]]

Α

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 5-3591)

2 | INSPECT CRUISE CONTROL MAIN SWITCH ASSY

(a) Disconnect the cruise control main witch connector.



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

Standard:

Switch@ondition	Tester[connection	Resistance(₽)
Neutral	A-2 -[A-3	10[k[♪[ðr[ħigher
RES/ACC	A-2 -[A-3	210[]o[]270
SET/COAST	A-2 -[A-3	560[[]o[]700
CANCEL	A-2 -[A-3	1,380[[]o[]],700
Main[\$witch[DFF	A-2-[A-3	10[k̞ɒ̞[̞þɾ[̞higher
Main[\$witch[ON	A-2-[A-3	Below[][Ω



 $\begin{array}{lll} REPLACE [CRUISE] CONTROL [MAIN] SWITCH \\ ASSY [[SEE] PAGE] 82-11]] \end{array}$

OK

3 | INSPECT[\$PIRAL[CABLE[\$UB-ASSY

Cruise Control Main Switch Side: A T 8 9 10 11 12 1 2 3 4 5 6 Vehicle Side: C13 T 8 9 10 11 12 1 2 3 4 5 6

- (a) Disconnect he spiral cable sub-assy connector.
- (b) Measure the resistance according to the value (s) in the table below.

Standard:

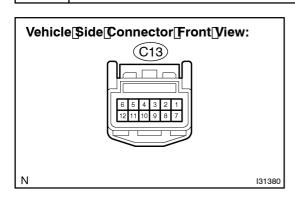
Terminal[No.	Specified <u></u>]value	
A-2 -[C13-2	Below[] [Ω	
A-3 -[C13-3	Below[] [Ω	

NGĎ

REPLACE[\$PIRAL[CABLE[\$UB-ASSY (SEE[PAGE[60-31)

OK

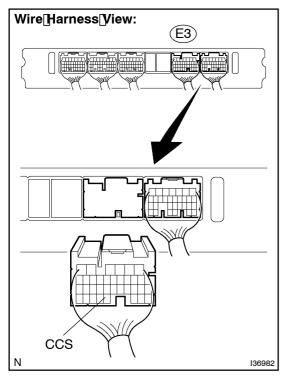
4 CHECK[HARNESS[AND[CONNECTOR[SPIRAL[CABLE[\$UB-ASSY-[ECM,[BODY GROUND]



(a) Measure[the[resistance[according[to[the[yalue(s)]]n[the table[below.

Standard:

Tester[connection	Condition	Specification
Spiral@able[[C13-2) - CCS[[E3-31)	Always	Below[] [Ω
CCS[[E3-31) - Body[ground	Always	10[ៃkttp://higher
Spiral[cable[C13-3) - Body[ground	Always	Below[] [Ω



NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE[ECM[[SEE[PAGE]]0-21)