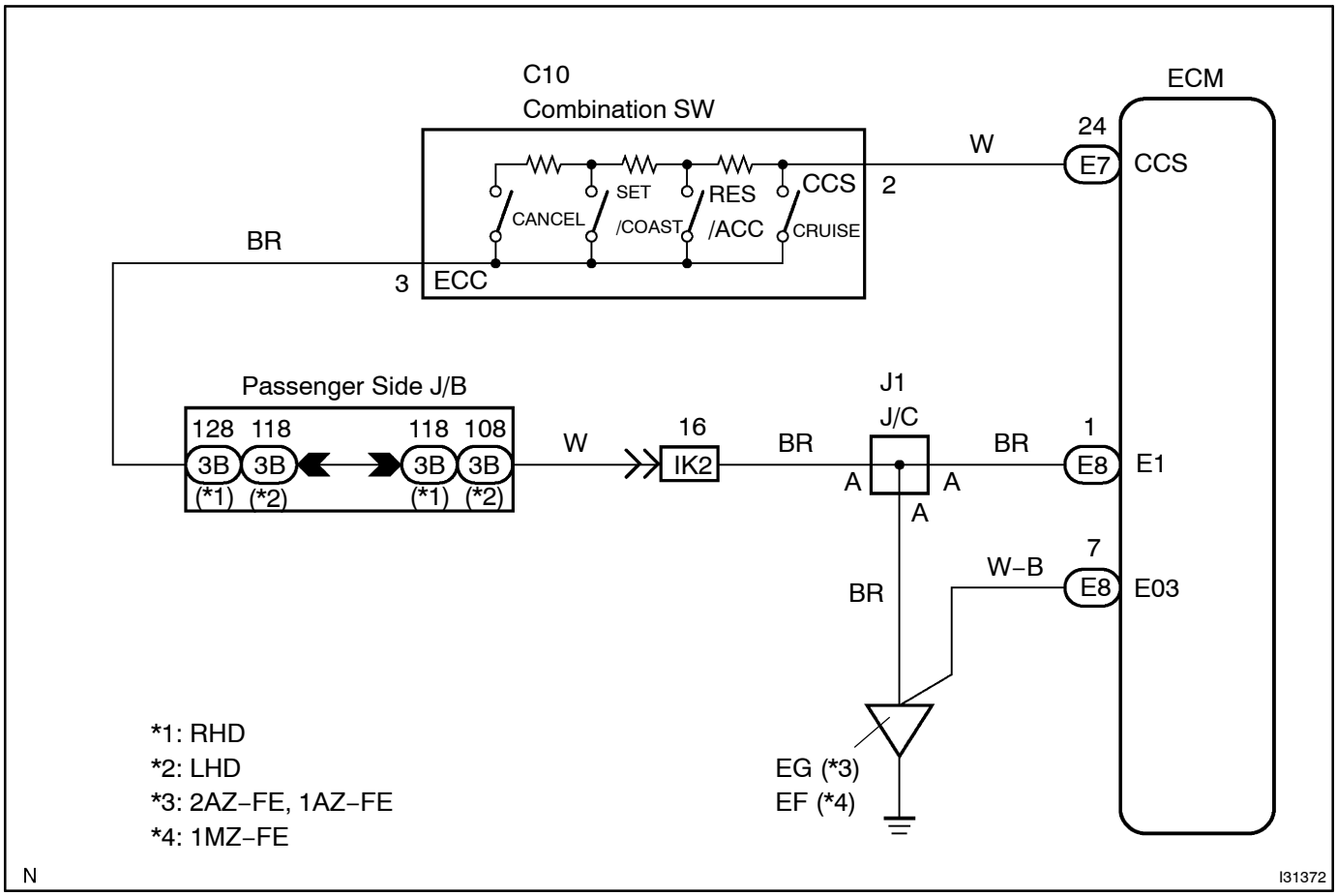
CRUISE CONTROL SWITCH CIRCUIT

CIRCUIT DESCRIPTION

This circuit carries the SET/COAST, RESUME/ACCEL and CANCEL voltage signals to the ECU.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 READ VALUE OF HAND–HELD TESTER

(a) Connect the hand–held tester to the DLC3.
(b) Turn the ignition switch ON and push the hand–held tester main SW ON.
(c) Select the item ”CANCEL SW, SET/COAST SW, RES/ACC MAIN SW, MAIN SW” in the DATA LIST and read its value displayed on the hand– held tester.

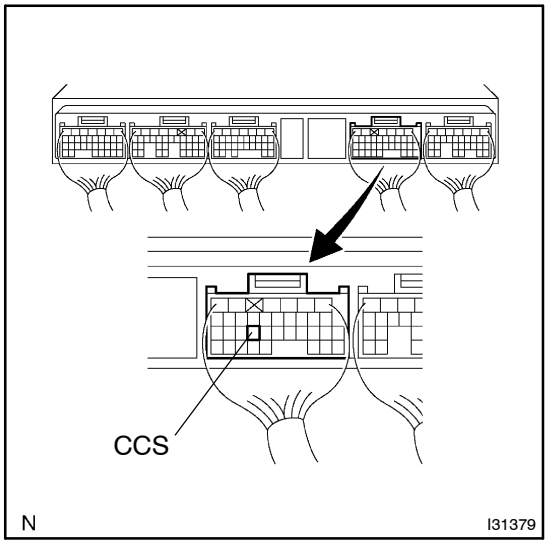
OK:

Description	Tester display	Check condition
Cruise control switch CANCEL switch ON	CANCEL SW	ON – OFF
Cruise control switch SET/COAST switch ON	SET/COAST SW	ON – OFF
Cruise control switch RES/ACC switch ON	RES/ACC SW	ON – OFF
Cruise main switch (Sub CPU)	MAIN SW (SUB)	ON – OFF
Cruise main switch (Main CPU)	MAIN SW (MAIIN)	ON – OFF

OK → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOM TABLE** **(See page 05–1298)**

NG

2 INSPECT ECM(CCS)



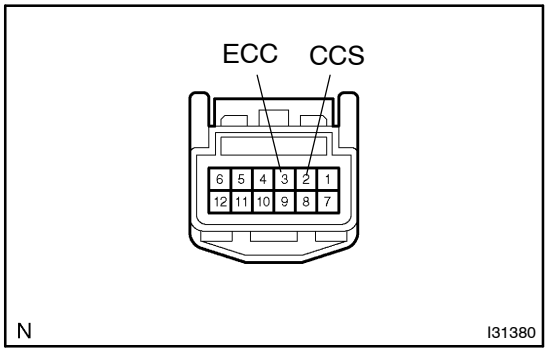
(a) Remove the ECM with the connector still connected.
(b) Turn the ignition switch ON.
(c) Measure voltage between terminals CCS of ECM connector and body ground, when each of the SET/COAST, RESUME/ACCEL and CANCEL is turned ON.

Switch position	Resistance (V)
Neutral	10 –16 V
RES/ACC	2.3 – 4.5 V
SET/COAST	4.5 – 8.1 V
CANCEL	6.6 – 11.4 V

OK → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOM TABLE** **(See page 05–1298)**

NG

3 INSPECT CRUISE CONTROL MAIN SWITCH ASSY



(a) Remove the steering wheel center pad.
(b) Disconnect the control switch connector.
(c) Measure resistance between terminals CCS and ECC of the control switch connector when the control switch is operated.

Switch position	Resistance (Ω)
Neutral	∞ (No continuity)
CRUISE	0 (Continuity)
RES/ACC	220 – 260
SET/COAST	600 – 660
CANCEL	1,500 – 1,600

NG → **REPLACE CRUISE CONTROL MAIN SWITCH ASSY**

OK

4 CHECK HARNESS AND CONNECTOR

(a) Check for open and short circuit in harness and connector between terminal CCS of ECM and terminal CCS of cruise control switch.
(b) Check for open and short circuit in harness and connector between terminal ECC of cruise control switch and body ground.

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR(See page 01–31)**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOM TABLE (See page 05–1298)