

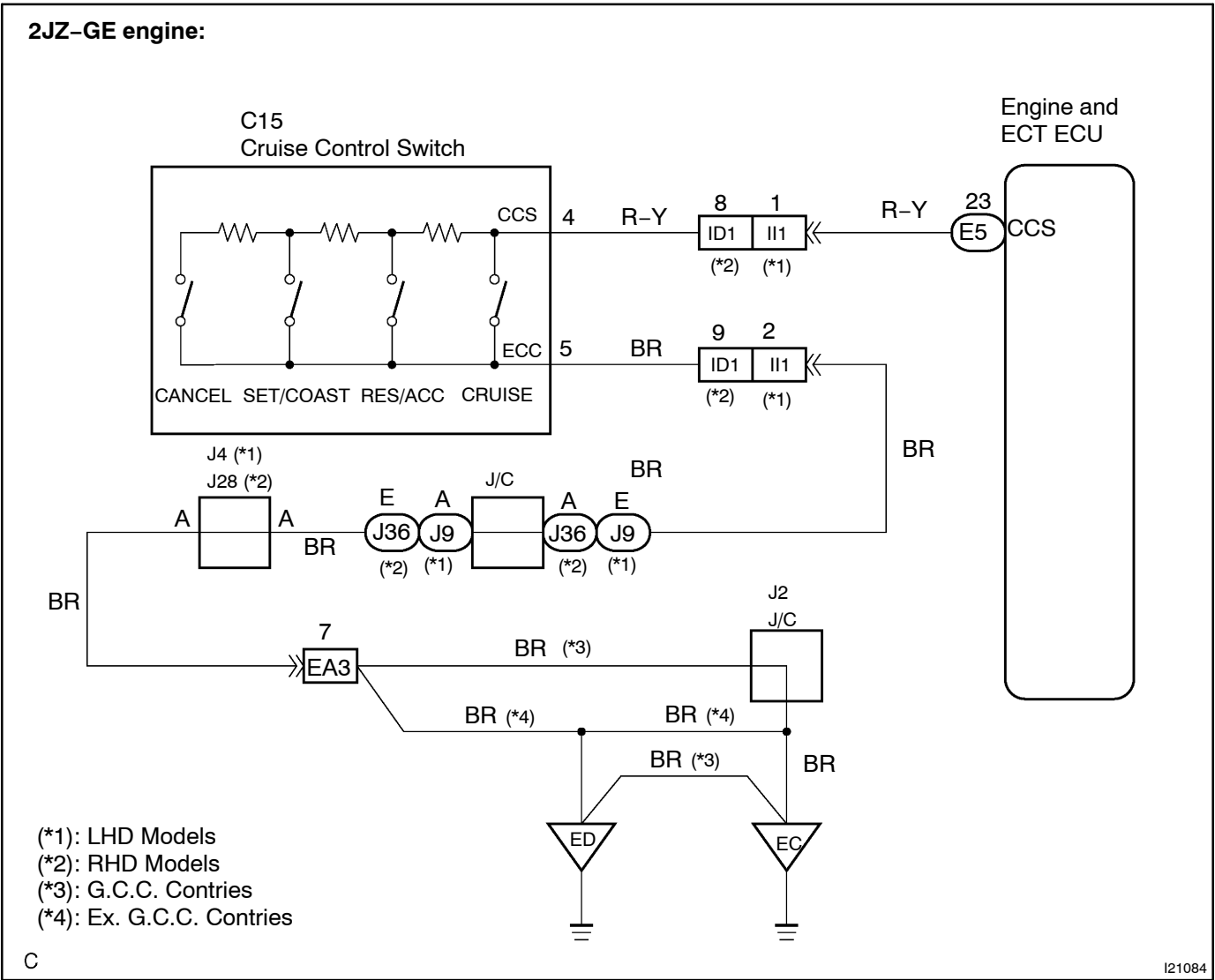
DTC	P1566/ 54	Input signal circuit abnormal
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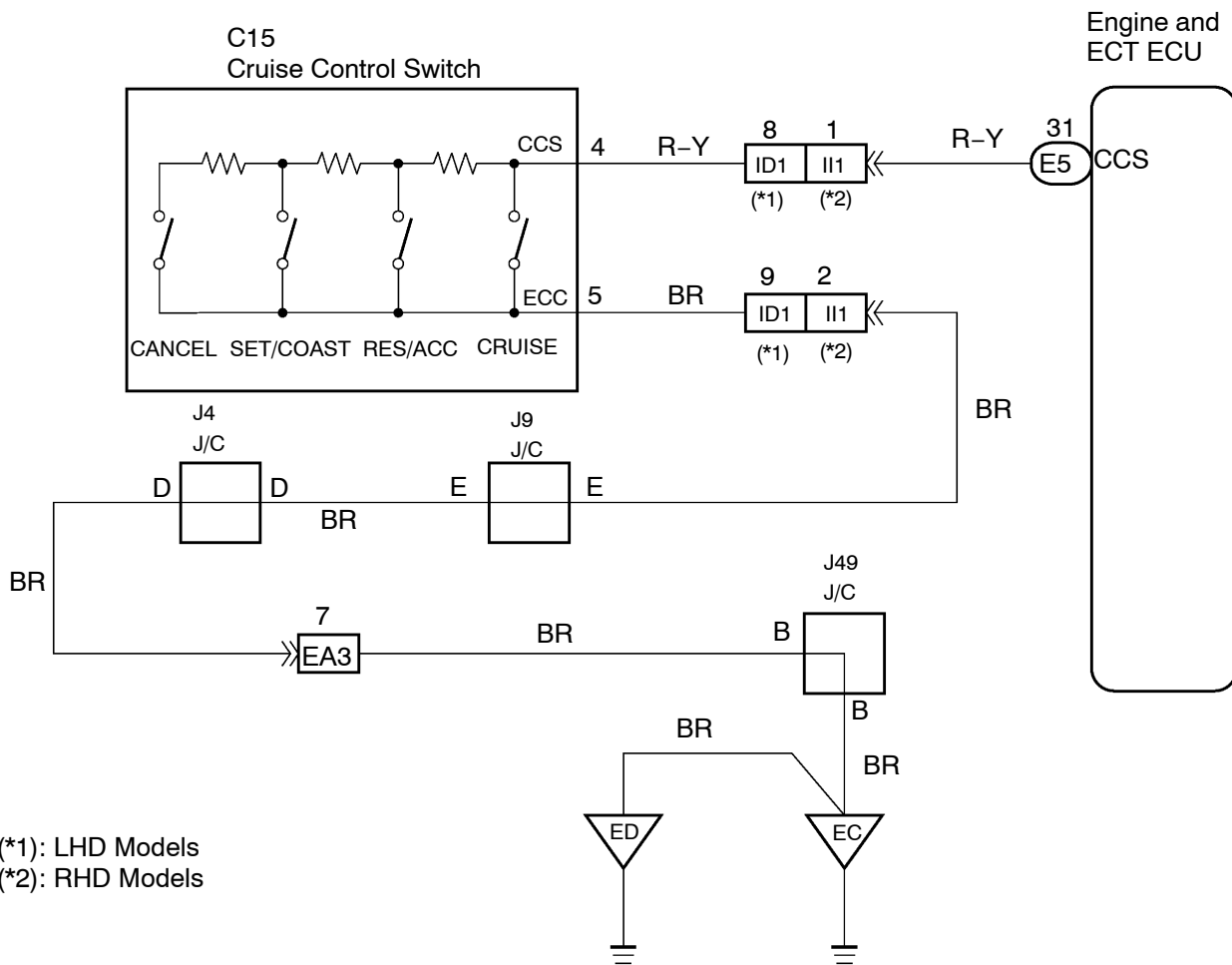
CIRCUIT DESCRIPTION

This circuit carries the SET/COAST, RESUME/ACCEL and CANCEL signals (each voltage) to the engine and ECT ECU.

DTC No.	Detection Item	Trouble Area
P1566/ 54	• Stop light switch input signal abnormal. • Cruise control switch input signal abnormal.	• Engine and ECT ECU

WIRING DIAGRAM



3UZ-FE engine:

(*1): LHD Models
(*2): RHD Models

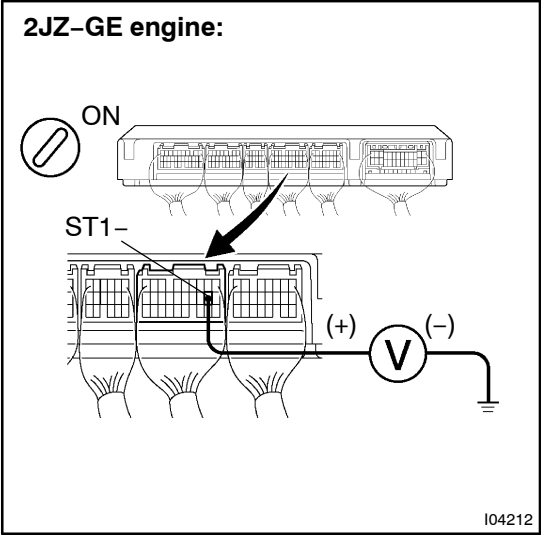
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INSPECTION PROCEDURE

1

Check voltage between terminal ST1- of engine and ECT ECU connector and body ground.



PREPARATION:

(a) Remove the engine and ECT ECU with connectors still connected.

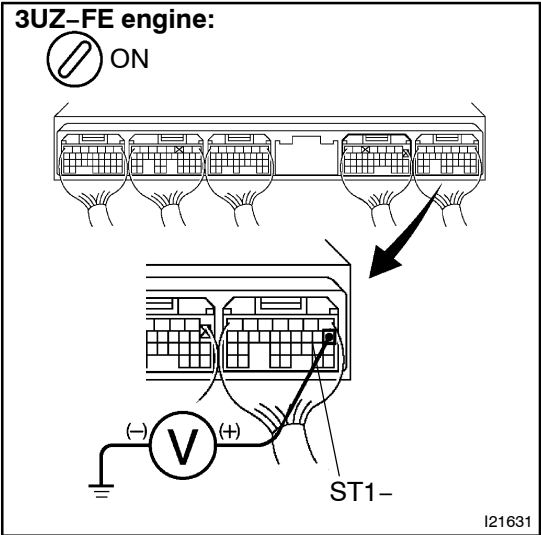
(b) Turn ignition switch ON.

CHECK:

Measure voltage between terminal ST1- of engine and ECT ECU connector and body ground, when the brake pedal is depressed and released.

OK:

Released	10 - 14 V
Depressed	Below 1 V



OK

Proceed to next circuit inspection shown in problem symptoms table (See page DI-562).

NG

2

Check for open in harness and connectors between terminal ST1- of engine and ECT ECU and stop light switch (See page IN-30).

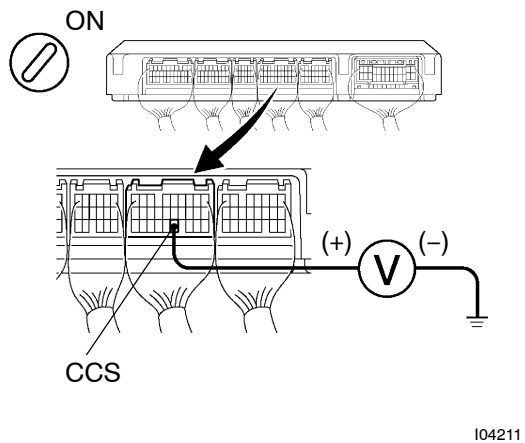
NG

Repair or replace harness or connector.

OK

3 Check voltage between terminals CCS of engine and ECT ECU connector and body ground.

2JZ-GE engine:



PREPARATION:

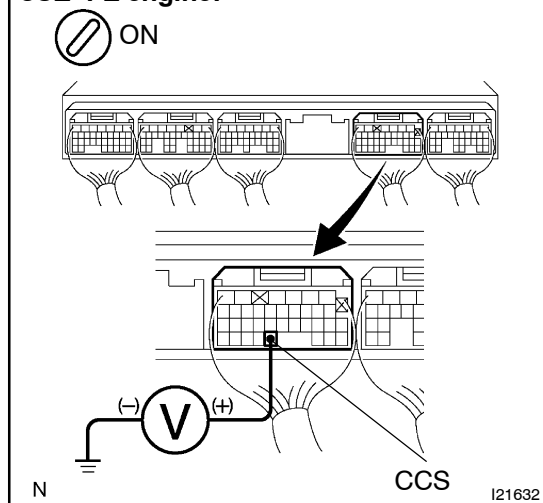
- Remove the engine and ECT ECU with connector still connected.
- Turn ignition switch ON.

CHECK:

Measure voltage between terminals CCS of ECU 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	2.4 - 4.4 V
SET/COAST	4.7 - 7.6 V
CANCEL	6.9 - 11.2 V

3UZ-FE engine:

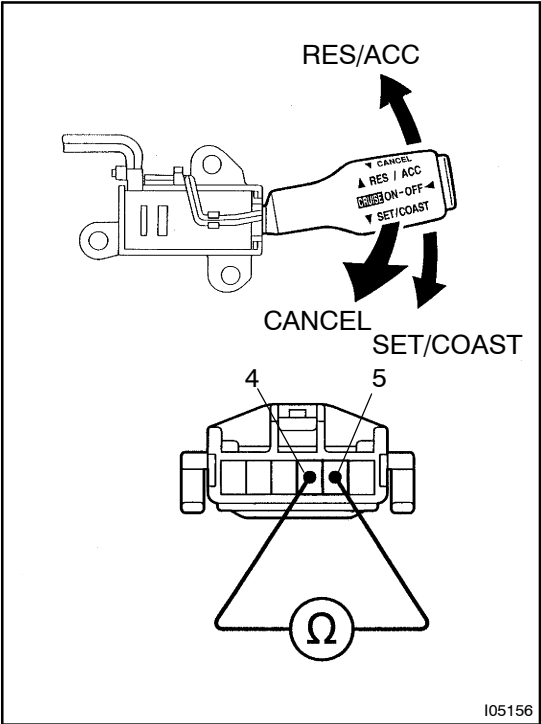


NG

Proceed to next circuit inspection shown in problem symptoms table (See page DI-562)

OK

4 Check control switch continuity.



PREPARATION:

- (a) Remove steering wheel pad (See page SR-9).
- (b) Disconnect the control switch connector.

CHECK:

Measure resistance between terminals 4 and 5 of control switch connector when control switch is operated.

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

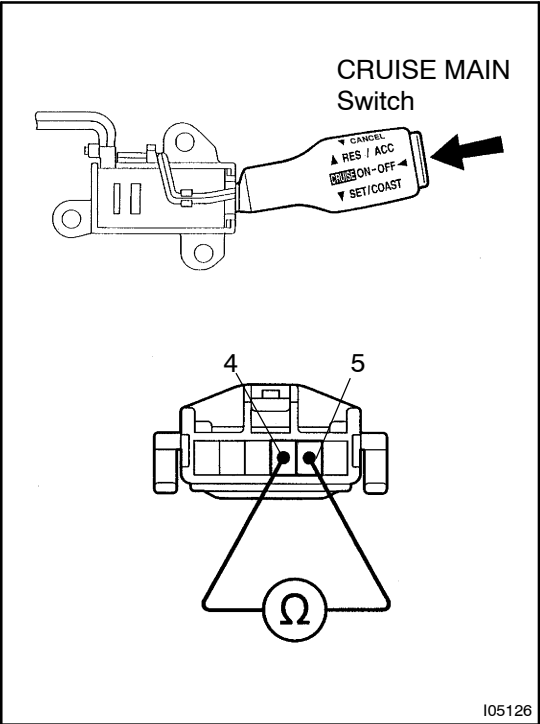
NG

Replace control switch.

OK

5

Check main switch continuity.



PREPARATION:

- (a) Remove steering wheel pad ([See page SR-9](#)).
- (b) Disconnect the control switch connector.

CHECK:

Check continuity between terminals 4 and 5 of control switch connector when main switch is held ON and OFF.

OK:

Switch position	Tester connection	Specified condition
OFF	-	No continuity
Hold ON	4 - 5	Continuity

NG

Replace control switch.

OK

6

Check harness and connector between engine and ECT ECU and cruise control switch, cruise control switch and body ground ([See page IN-30](#)).

NG

Repair or replace harness or connector.

OK

7

Check cruise control indicator light (See Pub. No. RM588E on page DI-584).**NG****Replace combination meter.****OK****Check and replace engine and ECT ECU (See
page IN-30).**