

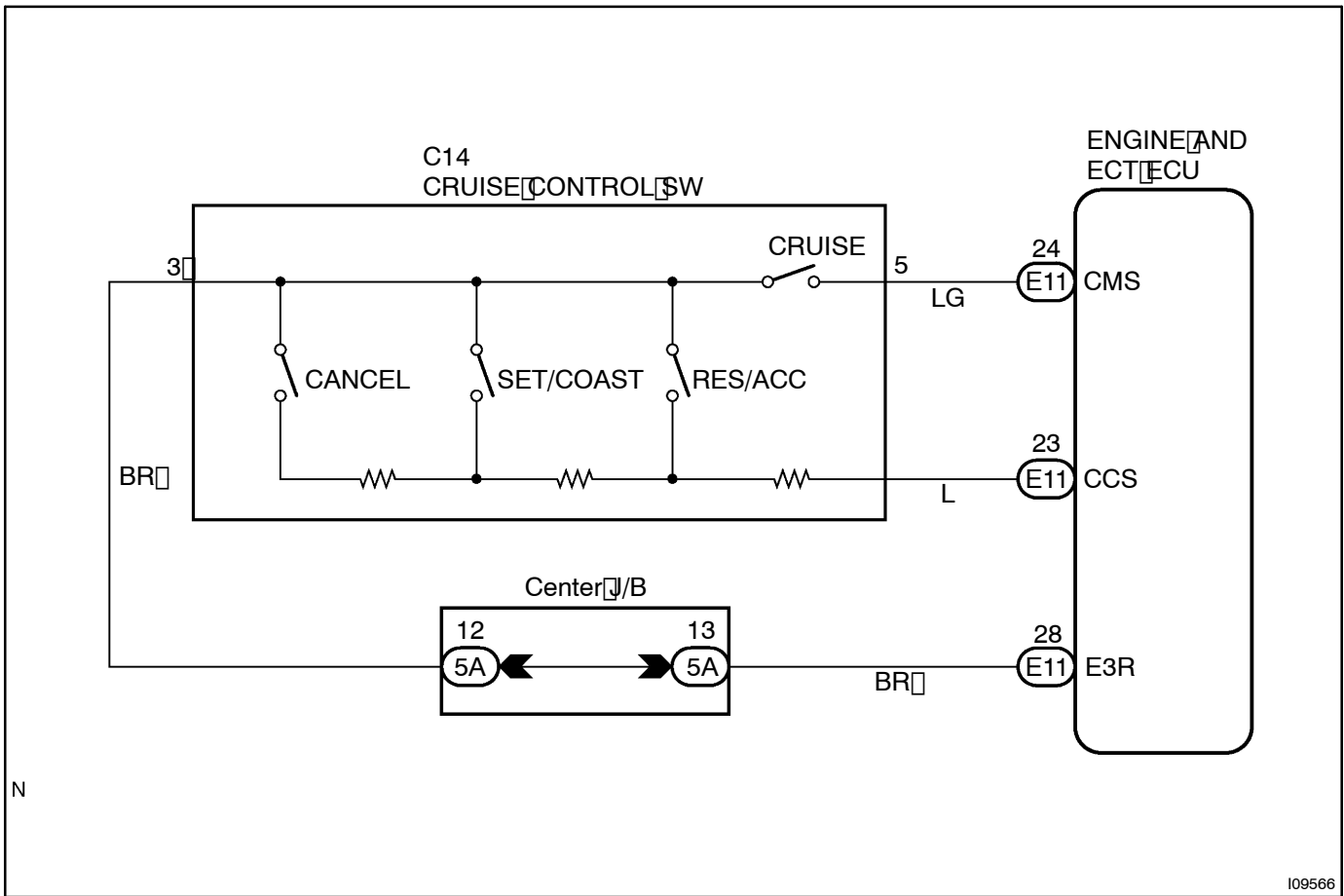
DTC	P1566/54	Input signal circuit abnormal
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CIRCUIT DESCRIPTION

This circuit carries the SET/COAST, RESUME/ACCEL and CANCEL signals (each voltage) to the Engine and ECT ECU (See page DI-419).

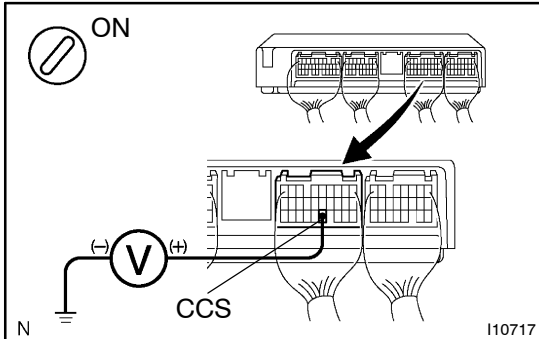
DTC No.	Detection Item	Trouble Area
54	<ul style="list-style-type: none"> • Stop light switch input signal abnormal. • Cruise control switch input signal abnormal. 	• Engine and ECT ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

- 1 Check voltage between terminals CCS of Engine and ECT ECU connector and body ground.

**PREPARATION:**

- (a) Remove the Engine and ECT ECU with connector still connected.
 (b) Turn ignition switch ON.

CHECK:

Measure voltage between terminals CCS of Engine and ECT ECU connector and body ground, when each of the SET/COAST, RESUME/ACCEL and CANCEL is turned ON.

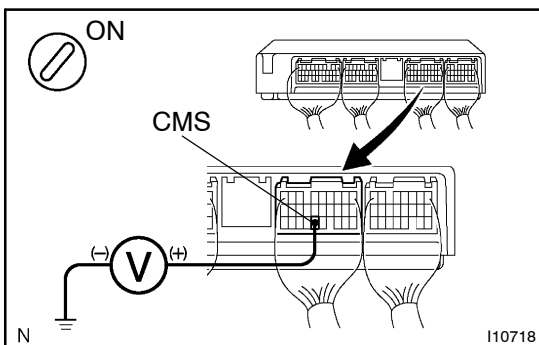
Switch position	Resistance (V)
Neutral	10 - 16V
RES/ACC	2.4 - 3.8V
SET/COAST	4.7 - 6.9V
CANCEL	6.9 - 9.8V

NG

Proceed to next circuit inspection shown in problem symptom table (See page DI-417)

OK

- 2 Check voltage between terminal CMS of Engine and ECT ECU connector and body ground.

**PREPARATION:**

- (a) Remove the Engine and ECT ECU with connector still connected.
 (b) Turn ignition switch ON.

CHECK:

Measure voltage between terminal CMS of Engine and ECT ECU connector when main switch is held on and off.

OK:

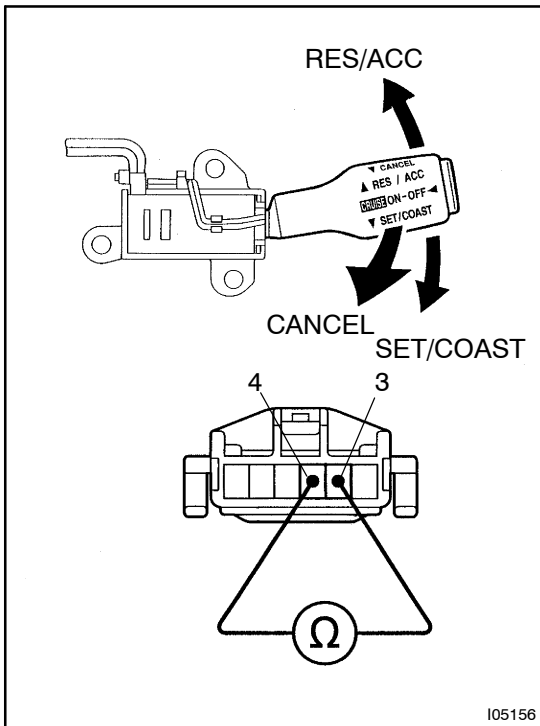
Main switch	Voltage
OFF	10 - 14V
ON	Below 0.5V

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Proceed to next circuit inspection shown on problem symptom table (See page DI-417)

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3 Check control switch continuity.



PREPARATION:

- Remove steering wheel center pad.
- Disconnect the control switch connector.

CHECK:

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

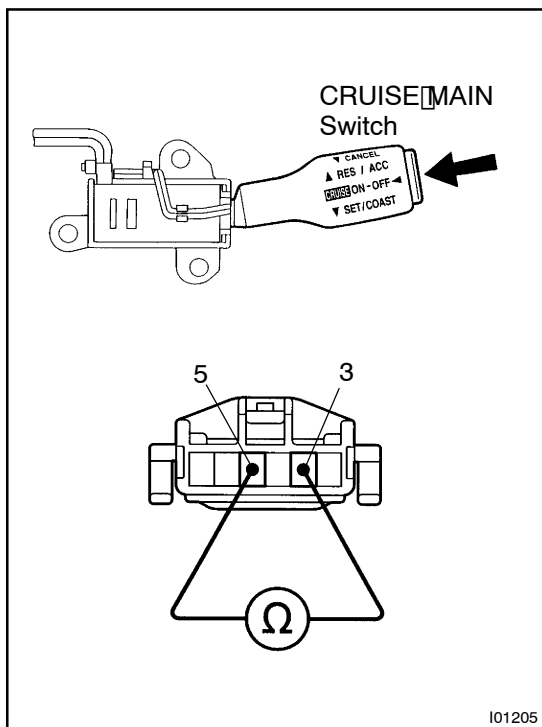
Switch position	Resistance (Ω)
Neutral	∞ (No continuity)
RES/ACC	220 - 260
SET/COAST	600 - 660
CANCEL	1,500 - 1,600

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Replace control switch.

OK

4 Check main switch continuity.



PREPARATION:

- Remove steering wheel center pad. (See page SR-xxx)
- Disconnect the control switch connector.

CHECK:

Check continuity between terminals 3 and 5 of control switch connector when main switch is held on and off.

OK:

Switch position	Tester connection	Specified condition
OFF	3 - 5	No continuity
Hold ON	3 - 5	continuity

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Replace control switch.

OK

5 Check harness and connector between Engine and ECT ECU and cruise control switch, cruise control switch and body ground (See page IN-30).

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Repair or replace harness or connector.

OK

6 Check cruise control indicator light. (See combination meter)

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Replace combination meter.

OK

Check and replace Engine and ECT ECU (See page IN-30).