

DTC	P0571/52	Brake Switch "A" Circuit
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CIRCUIT DESCRIPTION

When the brake pedal is depressed, the stop light switch sends a signal to ECM. When ECM receives this signal, it cancels the cruise control.

A fail-safe function is provided so that the cruise control is canceled normally when there is a malfunction in the stop light signal circuit.

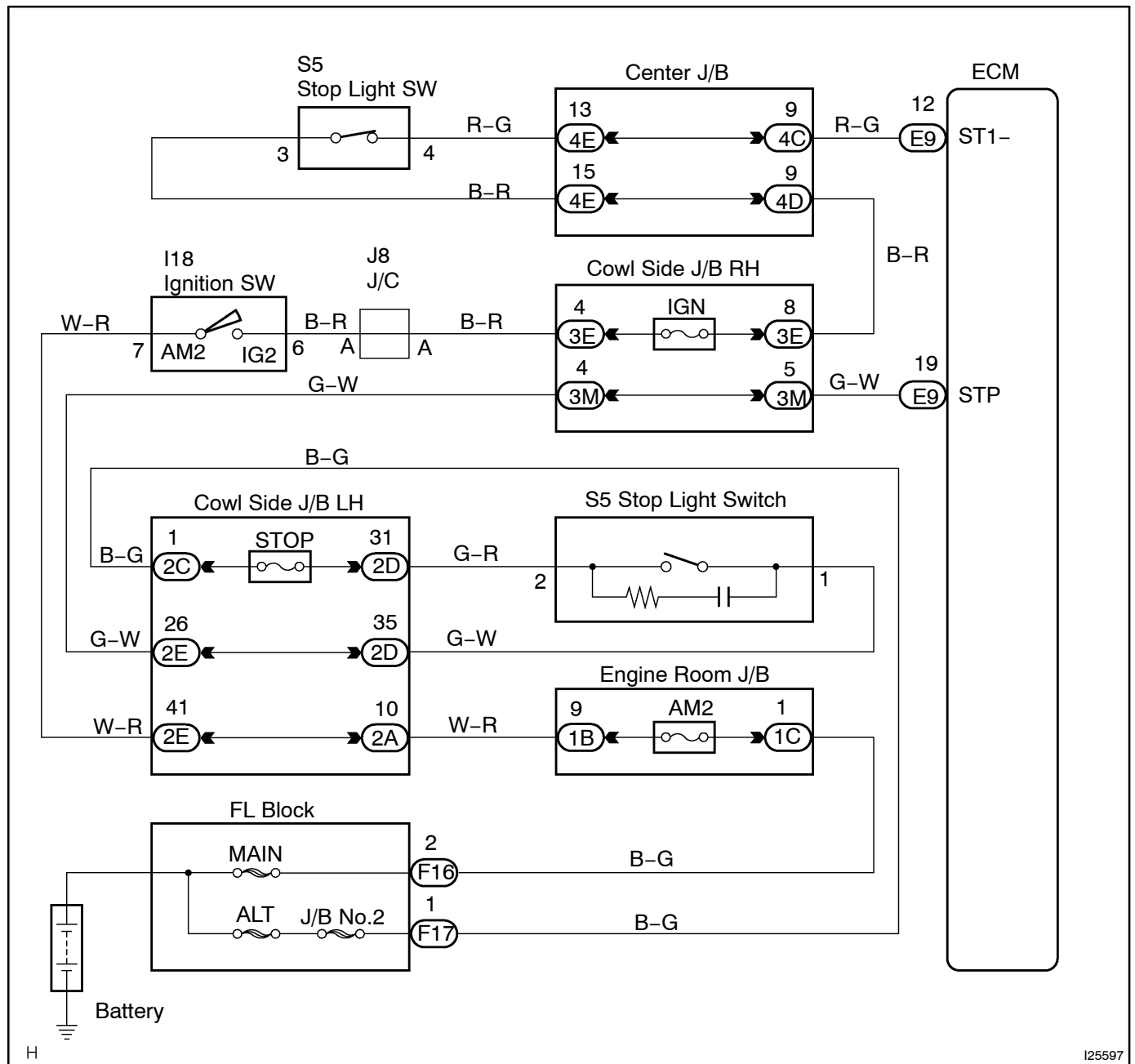
The cancellation occurs when the battery positive voltage is applied to terminal STP, ST1–.

When the brake is ON, battery positive voltage is applied to terminal STP, ST1– of the ECM via the stop fuse and the stop light switch, and then the ECM turns the cruise control OFF.

Even if the harness connected to terminal STP, ST1– has an open circuit, the cruise control will be turned OFF.

DTC No.	DTC Detection Condition	Trouble Area
P0571/52	Stop light switch does not turn off even once the vehicle is driven	• Short in stop light switch signal circuit • Stop light switch • ECM

WIRING DIAGRAM



INSPECTION PROCEDURE

HINT:

In case of using the hand-held tester, start the inspection from step 1 and in case of not using the hand-held tester, start from step 2.

1	Check stop light switch using hand-held tester.
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PREPARATION:

Connect the hand-held tester to the DLC3.

- (a) Connect the hand-held tester to the DLC3.
- (b) Turn the ignition switch ON and push the hand-held tester main SW ON.

CHECK:

Select the item "STOP LIGHT SW" in the DATA LIST and read its value displayed.

OK:

Brake pedal depressed: ON

Brake pedal released: OFF

OK

Proceed to next circuit inspection shown in problem symptom table (See page [DI-1028](#)).

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2	Check operation of stop light.
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CHECK:

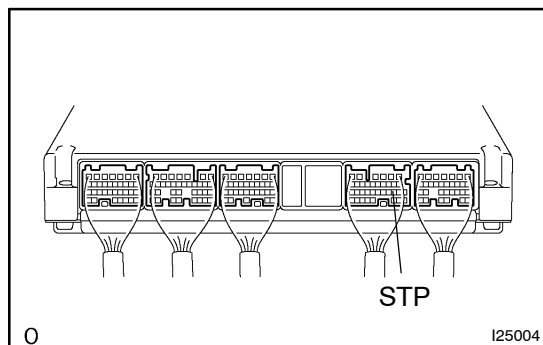
Check that stop light comes on when brake pedal is depressed, and turns off when brake pedal is released.

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Check stop light system (See page [BE-62](#)).

OK

3 Check voltage between terminal STP, ST1- of ECM connector and body ground.



PREPARATION:

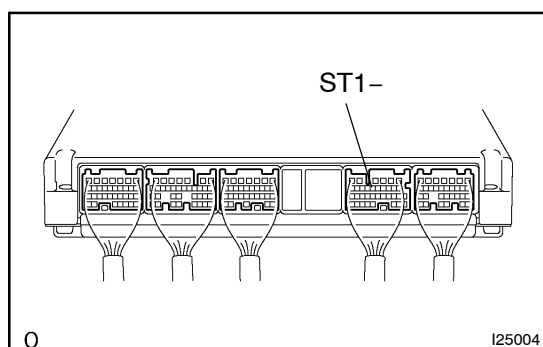
- (a) Remove ECM with connectors being connected.
- (b) Turn the ignition switch ON.

CHECK:

Measure voltage between terminal STP of ECM connector and body ground when the brake pedal is depressed and released.

OK:

Depressed	10 – 14 V
Released	Below 1 V



CHECK:

Measure voltage between terminal ST1- of ECM connector and body ground when the brake pedal is depressed and released.

OK:

Depressed	Below 1 V
Released	10 – 14 V

OK

Proceed to next circuit inspection shown in problem symptoms table (See page [DI-1028](#)).

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4 Check wire harness and connector between terminal STP of ECM and stop light switch, and terminal ST1- of ECM and stop light switch (See page [IN-36](#)).

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Repair or replace harness or connector.

OK

Check and replace ECM (See page [IN-36](#)).