

|            |                 |                                 |
|------------|-----------------|---------------------------------|
| <b>DTC</b> | <b>P0571/52</b> | <b>Brake Switch "A" Circuit</b> |
|------------|-----------------|---------------------------------|

## CIRCUIT DESCRIPTION

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

A fail-safe function is provided so that the cancel functions normally, even if there is a malfunction in the stop light signal circuit.

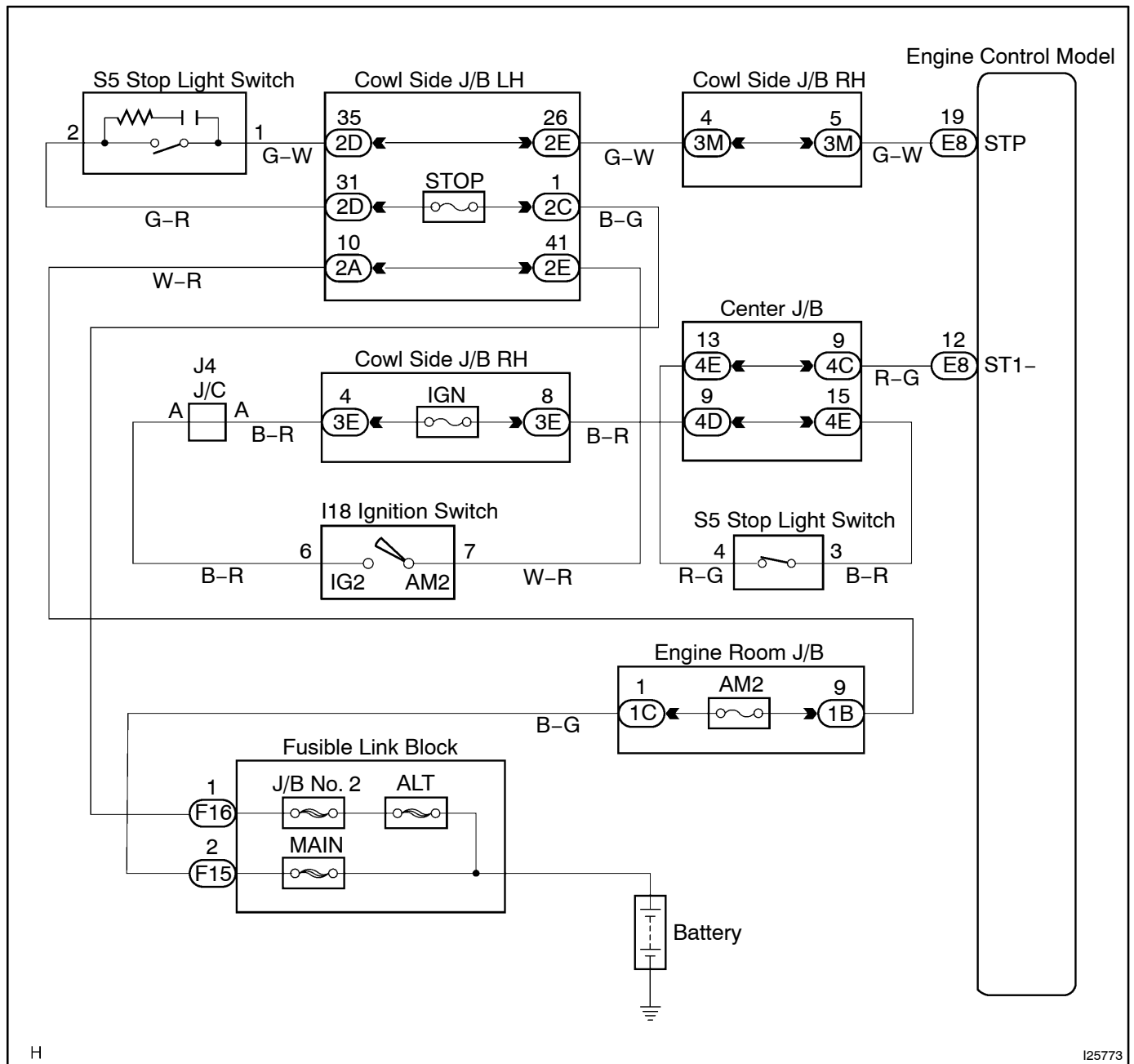
The cancel condition is that battery positive voltage is supplied to terminal STP.

When the brake is on, battery positive voltage is normally applied through the STOP fuse and stop light switch to terminal STP of the ECM, and the ECM turns the cruise control OFF.

If the harness connected to terminal STP has an open circuit, terminal STP will have battery positive voltage and the cruise control will be turned OFF.

| DTC No.  | Detection Item             | Trouble Area                                                                                                                                                   |
|----------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| P0571/52 | Stop light switch circuit. | <ul style="list-style-type: none"> <li>• Stop light switch</li> <li>• Harness or connector between ECM and stop light switch circuit</li> <li>• ECM</li> </ul> |

## WIRING DIAGRAM



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## 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 | <b>Check stop light switch using hand-held tester.</b> |
|---|--------------------------------------------------------|

### 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-991](#)).

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|   |                                       |
|---|---------------------------------------|
| 2 | <b>Check operation of stop light.</b> |
|---|---------------------------------------|

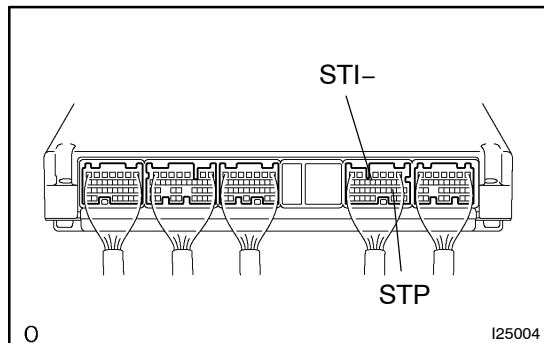
### CHECK:

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-49](#)).

OK

**3 Check voltage between terminal STP/STI- of ECM connector and body ground.****PREPARATION:**

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

**CHECK:**

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

**OK:**

|           |           |
|-----------|-----------|
| Depressed | 10 - 14 V |
| Released  | Below 1 V |

**OK**

Proceed to next circuit inspection shown in problem symptom table (See page [DI-991](#)).

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

Repair or replace harness or connector.

**OK**

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