

DTC	P0571/52	BRAKE SWITCH "A" CIRCUIT
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CIRCUIT DESCRIPTION

When the brake pedal is depressed, the stop lamp 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 cancel functions normally even if there is a malfunction in the stop lamp signal circuit.

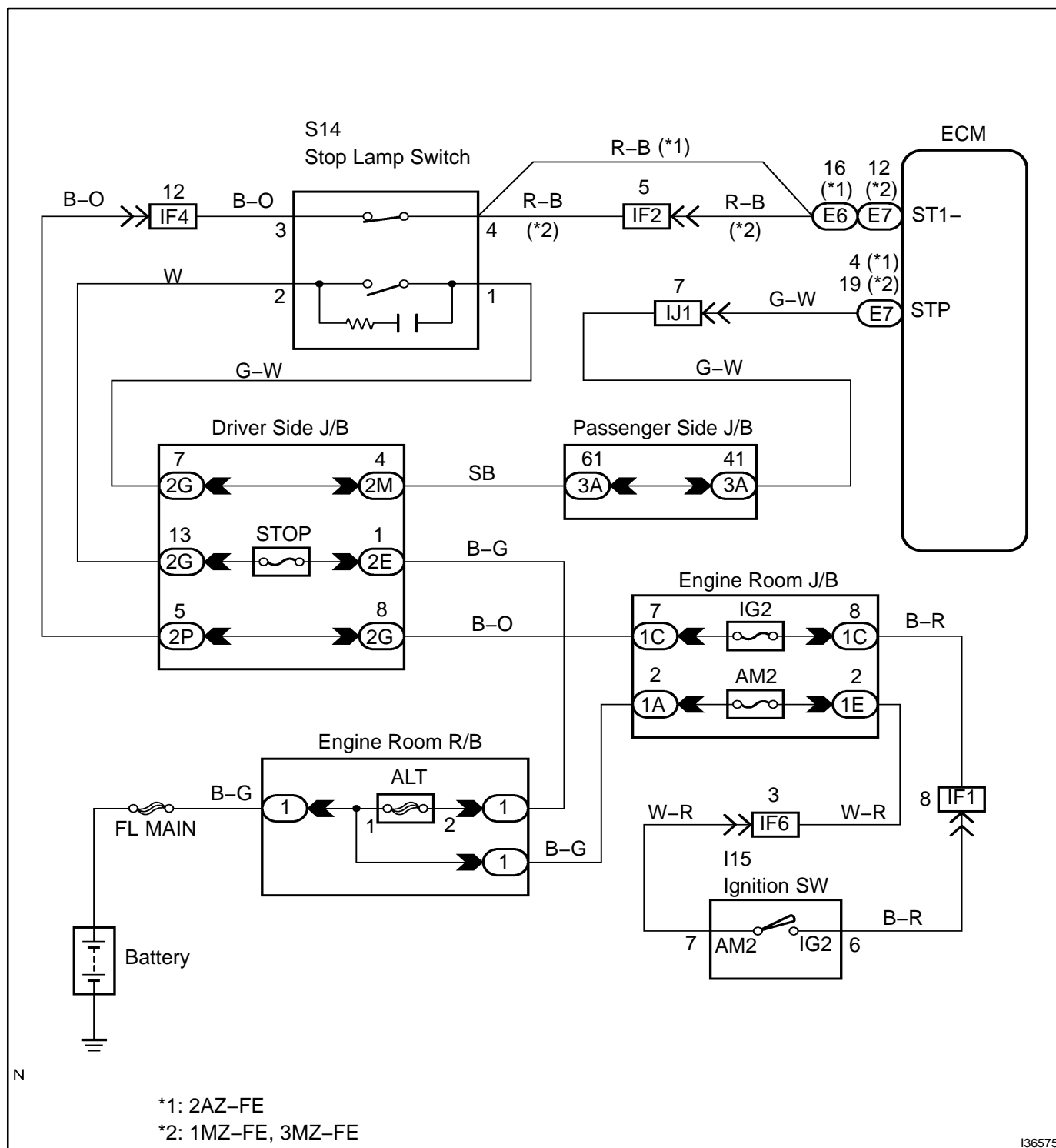
The cancel condition are: Battery positive voltage at terminal STP.

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

If the harness connected to terminal STP has an open circuit, terminal STP will not have battery voltage and the cruise control will be turned off.

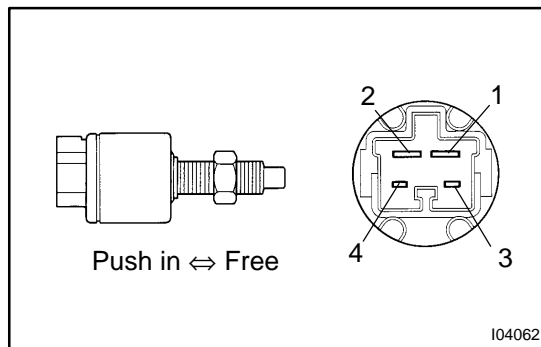
DTC No.	Detection Item	Trouble Area
P0571/52	Stop lamp switch circuit.	<ul style="list-style-type: none">• Stop lamp switch• Wire harness or connector• ECM

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 switch ON.
- (c) Select the item "STP LIGHT SW" in the DATA LIST and read its value displayed on the hand-held tester.

OK:**Brake pedal depressed : ON****Brake pedal released : OFF****OK****PROCEED TO NEXT CIRCUIT INSPECTION
SHOWN IN PROBLEM SYMPTOMS TABLE
(See page 05-2218)****NG****2 INSPECT STOP LAMP SWITCH ASSY**

- (a) Disconnect the stop lamp switch connector.
- (b) Check that the continuity exists between each terminals of the stop lamp switch, as shown in the chart below.

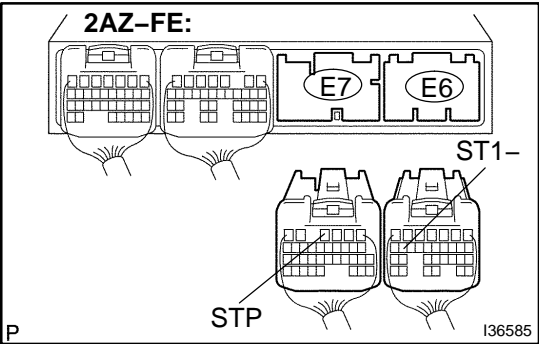
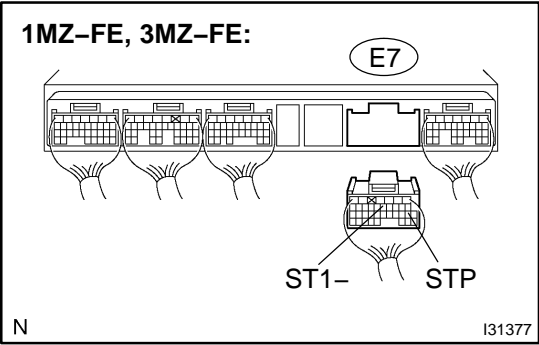
OK:

Switch position	Tester connection	Specified condition
Switch pin free	1-2	Continuity
Switch pin free	3-4	No continuity
Switch pin pushed in	1-2	No continuity
Switch pin pushed in	3-4	Continuity

NG**REPLACE STOP LAMP SWITCH ASSY****OK**

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CHECK HARNESS AND CONNECTOR(STP, ST1-)



- (a) Remove ECM with connector.
- (b) Disconnect the connector from ECM.
- (c) Measure the 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

- (d) Turn ignition switch ON.
- (e) Measure the 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

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REPAIR OR
CONNECTOR

REPLACE HARNESS OR

OK

CHECK AND REPLACE ECM