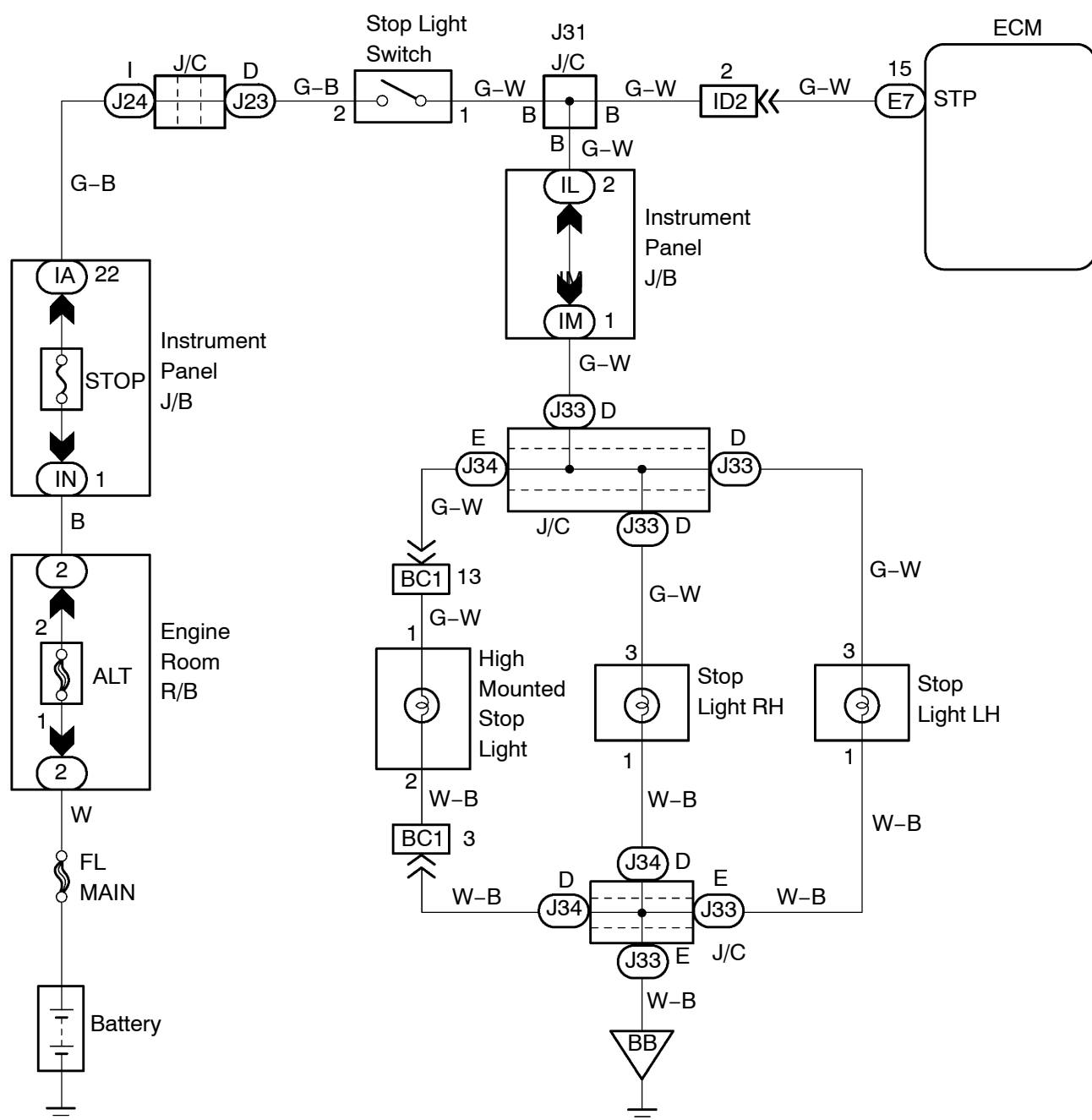
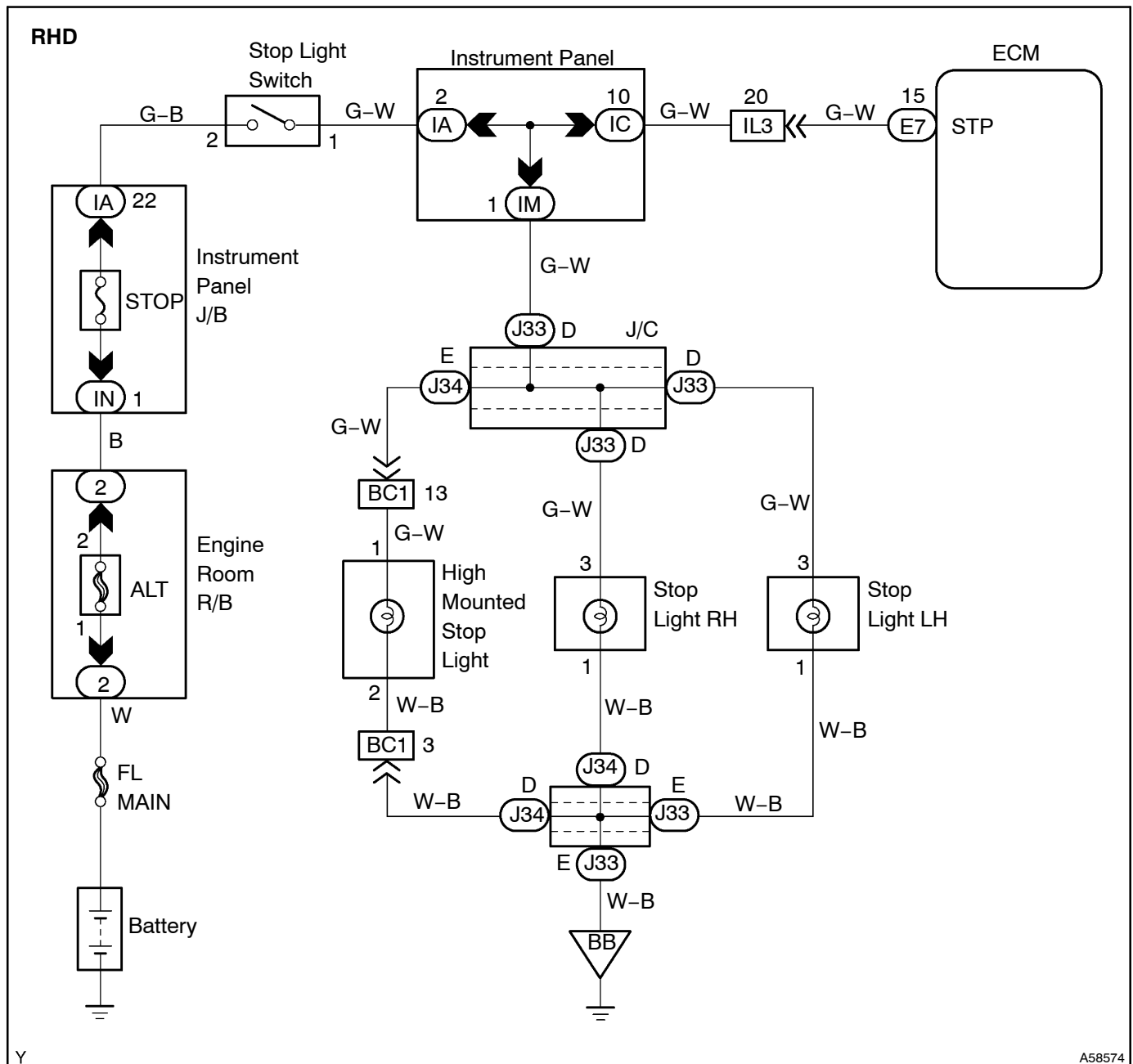


STOP LIGHT SWITCH MALFUNCTION

The STP signal is used mainly to control the fuel cut-off engine speed (The fuel cut-off engine speed is reduced slightly when the vehicle is braking.).

WIRING DIAGRAM





INSPECTION PROCEDURE

HINT:

Read freeze frame data using the hand-held tester, as freeze frame data records the engine conditions when the malfunction is detected. When troubleshooting, it is useful for determining whether the vehicle was running or stopped, the engine was warmed up or not, the air-fuel ratio was lean or rich, etc. at the time of the malfunction.

1 CHECK OPERATION OF STOP LIGHT

Check if the stop lights go on and off normally when the brake pedal is operated and released.

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REPAIR OR REPLACE STOP LIGHT SWITCH CIRCUIT

OK

2 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) Read the STP signal on the hand-held tester.

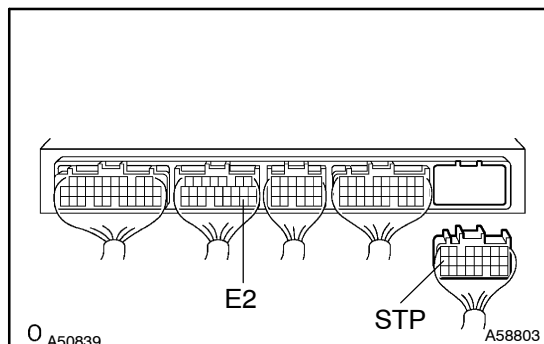
Result:

Brake Pedal	STP Signal
Depressed	ON
Released	OFF

OK

CHECK FOR INTERMITTENT PROBLEMS

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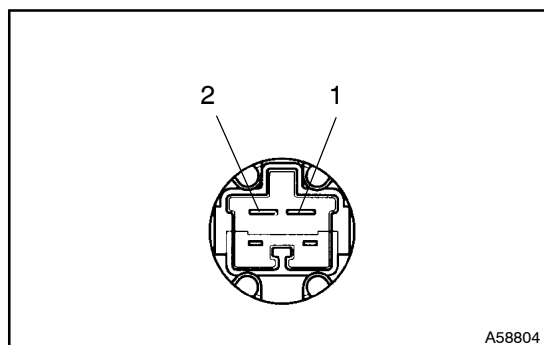
3 CHECK WIRE HARNESS OR CONNECTOR(ECM-STOP LIGHT SWITCH)

- (a) Disconnect the ECM E7 connector.
- (b) Disconnect the stop light connector.
- (c) Check for open between the terminals STP of the ECM connector and 1 of the stop light connector.

Resistance: 1 Ω or less

- (d) Check for short between the terminals STP of the ECM connector and E2 of the ECM connector.

Resistance: 1 M Ω or more



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REPAIR OR REPLACE WIRE HARNESS OR CONNECTOR

OK

CHECK AND REPLACE ECM