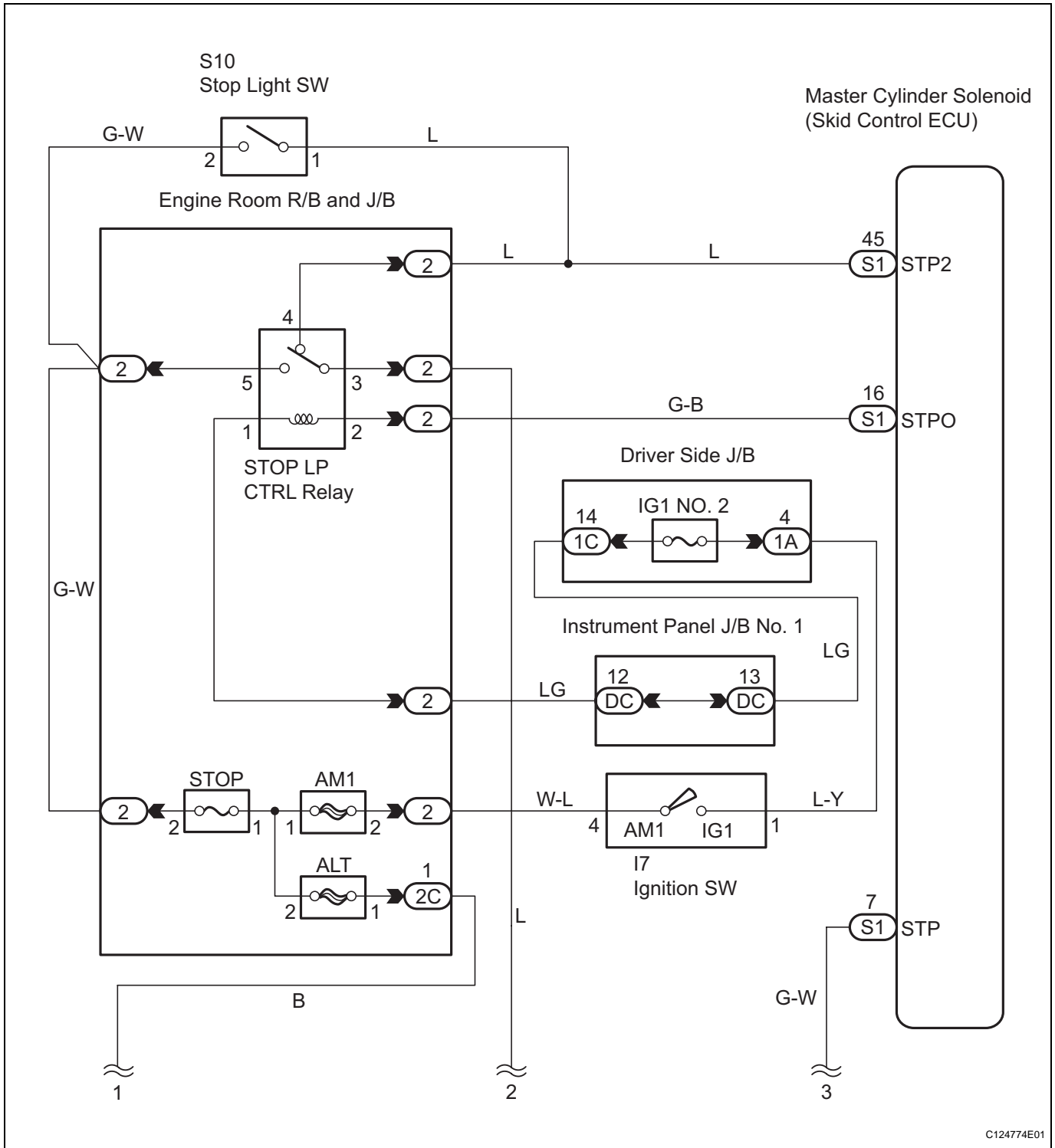


DTC**C1249/49****Open in Stop Light Switch Circuit****DESCRIPTION**

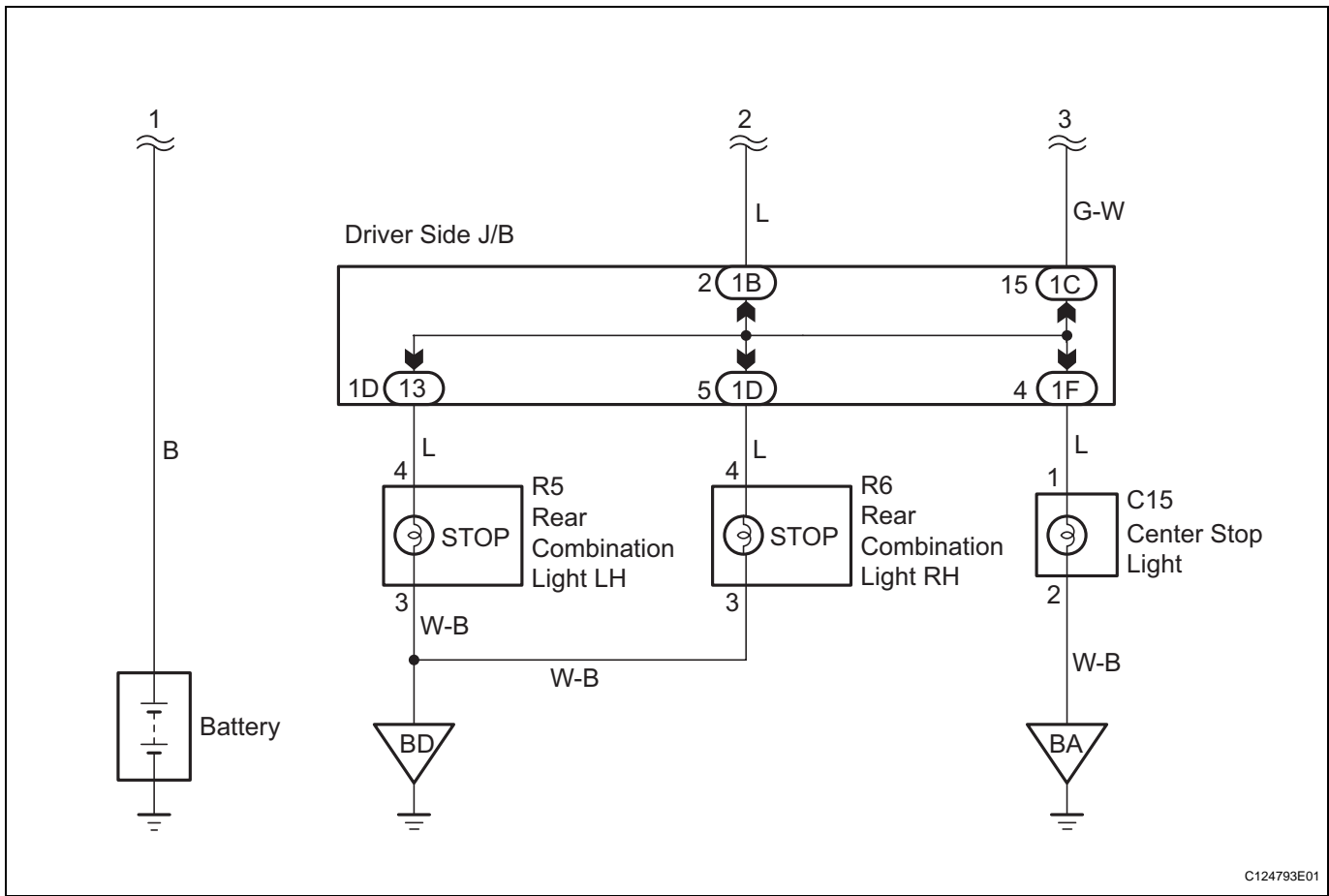
The skid control ECU inputs the stop light switch signal and detects the status of the brake operation.

DTC No.	DTC Detecting Condition	Trouble Areas
C1249/49	ECU terminal IG1 voltage 9.5 V to 17.0 V and ABS non-operational, open in stop light switch circuit continues for 0.3 seconds or more.	<ul style="list-style-type: none">• Stop light assembly• Stop light switch circuit• Master cylinder solenoid (skid control ECU)

WIRING DIAGRAM



BC



C124793E01

BC

1 CHECK STOP LIGHT SWITCH OPERATION

- (a) Check that the stop lights come on when the brake pedal is depressed and go off when the brake pedal is released.

OK

Pedal condition	Illumination Condition
Brake pedal depressed	ON
Brake pedal released	OFF

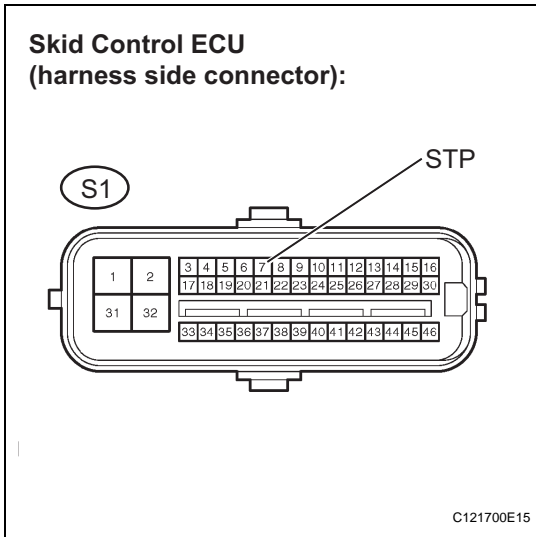
HINT:

Check the stop light bulbs as they may have burnt out.

NG → **Go to step 4**

OK

2 INSPECT SKID CONTROL ECU (STP TERMINAL VOLTAGE)



- (a) Disconnect the skid control ECU connector.
- (b) Measure the voltage.

Standard Voltage

Tester Connection	Condition	Specified Condition
S1-7 (STP) - Body ground	Stop light switch ON (Brake pedal depressed)	8 to 14 V
S1-7 (STP) - Body ground	Stop light switch OFF (Brake pedal released)	Below 1.5 V

- (c) Reconnect the skid control ECU connector.

Result	Proceed to
OK (When troubleshooting in accordance with DTC CHART)	A
OK (When troubleshooting in accordance with PROBLEM SYMPTOMS TABLE)	B
NG	C

B → PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE

C → REPAIR OR REPLACE HARNESS OR CONNECTOR

A

3 RECONFIRM DTC

- (a) Clear the DTCs (See page BC-118).
- (b) Check if the same DTCs are detected.

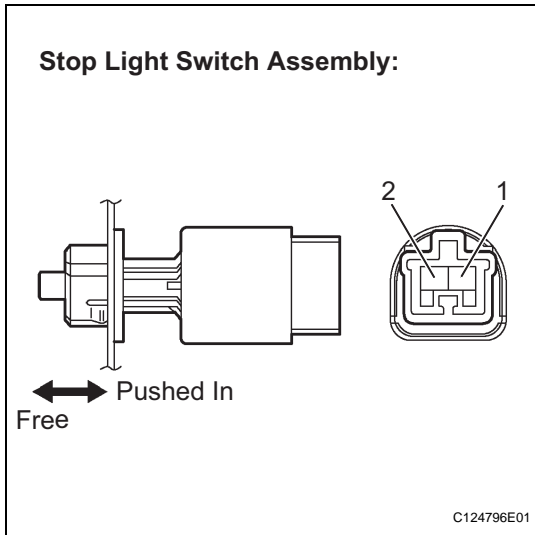
Result	Proceed to
DTC output	A
DTC not output	B

B → END

A

REPLACE MASTER CYLINDER SOLENOID

4 INSPECT STOP LIGHT SWITCH ASSEMBLY



- (a) Disconnect the stop light switch connector.
- (b) Measure the resistance.

Standard Resistance

Switch Connection	Tester Condition	Specified Condition
Switch pin free	1 - 2	Below 1 Ω
Switch pin pushed in	1 - 2	10 kΩ or higher

- (c) Reconnect the stop light switch connector.

NG → **REPLACE STOP LIGHT SWITCH ASSEMBLY**

OK

5 INSPECT STOP LIGHT CONTROL RELAY

BC

- (a) Remove the STOP LP CTRL relay from the engine room R/B and J/B.
- (b) Measure the resistance.

Standard Resistance

Tester Connection	Specified Condition
3 - 4	Below 1 Ω
3 - 5	10 kΩ or higher

- (c) Apply the battery voltage between terminals 1 (+) and 2 (-).
- (d) Measure the resistance.

Standard Resistance

Tester Connection	Specified Condition
3 - 4	10 kΩ or higher
3 - 5	Below 1 Ω

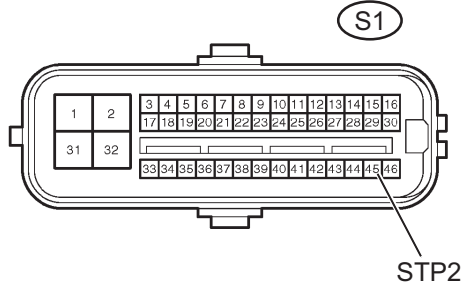
- (e) Reinstall the STOP LP CTRL relay.

NG → **REPLACE STOP LIGHT CONTROL RELAY**

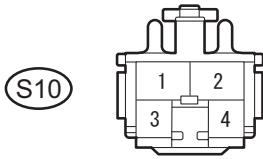
OK

6 CHECK HARNESS AND CONNECTOR (SKID CONTROL ECU - STOP LIGHT SWITCH)

Skid Control ECU
(harness side connector):



Stop Light Switch
(harness side connector):



C121702E03

- (a) Disconnect the skid control ECU connector.
- (b) Disconnect the stop light switch connector.
- (c) Measure the resistance.

Standard Resistance

Tester Connection	Specified Condition
S1-45 (STP2) - S10-1 (STP)	Below 1 Ω

- (d) Reconnect the stop light switch connector.
- (e) Reconnect the skid control ECU connector.

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

7 RECONFIRM DTC

BC

- (a) Clear the DTCs (See page BC-118).
- (b) Check if the same DTCs are detected.

Result	Proceed to
DTC output	A
DTC not output	B

B END

A

REPLACE MASTER CYLINDER SOLENOID