

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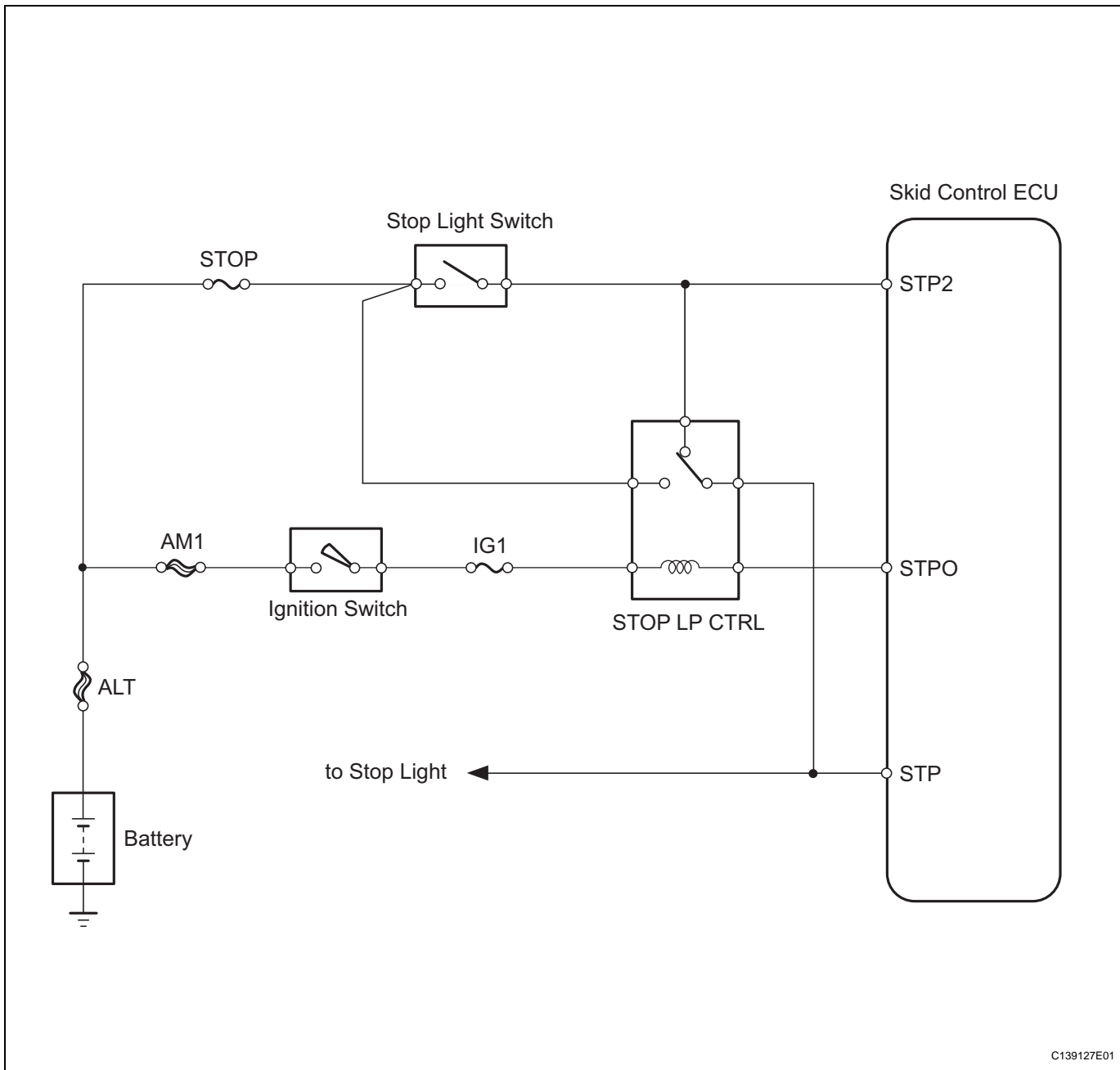
**DESCRIPTION**

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

**BC**

DTC No.	DTC Detecting Condition	Trouble Areas
C1249/49	When 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"> <li>Stop light switch assembly</li> <li>Stop light switch circuit</li> <li>Master cylinder solenoid (skid control ECU)</li> </ul>

**WIRING DIAGRAM**



C139127E01

**INSPECTION PROCEDURE**

**NOTICE:**

When replacing the master cylinder solenoid, perform zero point calibration (See page [BC-24](#)).

**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

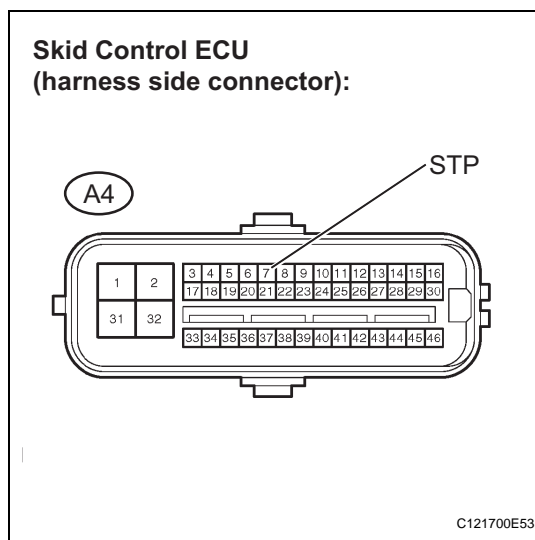
**HINT:**

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
A4-7 (STP) - Body ground	Stop light switch ON (Brake pedal depressed)	8 to 14 V
A4-7 (STP) - Body ground	Stop light switch OFF (Brake pedal released)	Below 1.5 V

**Result**

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**

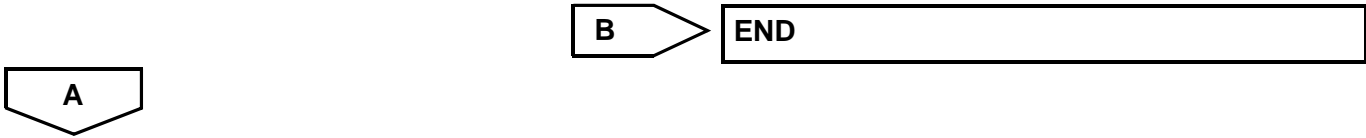
**3 RECONFIRM DTC**

- (a) Clear the DTC (See page BC-45).
- (b) Check if the same DTC is detected (See page BC-45).

**BC**

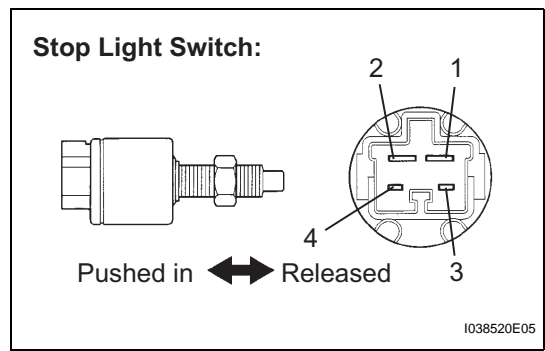
**Result**

Result	Proceed to
DTC output	A
DTC not output	B



**REPLACE MASTER CYLINDER SOLENOID**

**4 INSPECT STOP LIGHT SWITCH ASSEMBLY**



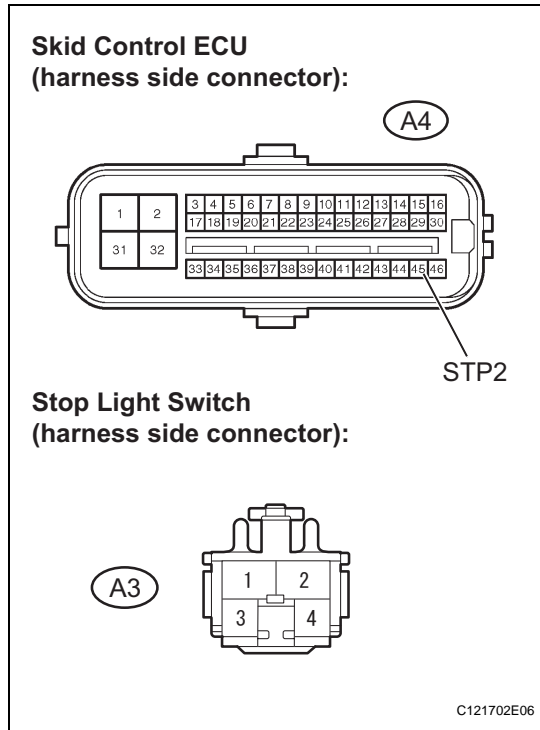
- (a) Disconnect the stop light switch connector.
- (b) Measure the resistance.

**Standard resistance**

Tester Connection	Condition	Specified Condition
1 - 2	Switch pin released	Below 1 Ω
3 - 4	Switch pin released	10 kΩ or higher
1 - 2	Switch pin pushed in	10 kΩ or higher
3 - 4	Switch pin pushed in	Below 1 Ω



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



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

Tester Connection	Specified Condition
A4-45 (STP2) - A3-1	Below 1 Ω

**NG** REPAIR OR REPLACE HARNESS OR CONNECTOR

**OK**

**6 RECONFIRM DTC**

- (a) Clear the DTC (See page BC-45).
- (b) Check if the same DTC is detected (See page BC-45).

**Result**

Result	Proceed to
DTC output	A
DTC not output	B

**B** END

**A**

**REPLACE MASTER CYLINDER SOLENOID**