

<b>DTC</b>	<b>C1249/49</b>	<b>OPEN CIRCUIT IN STOP LIGHT SWITCH CIRCUIT</b>
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## CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
C1249/49	All the following conditions continue for at least 0.3 seconds. <ul style="list-style-type: none"><li>• IG1 terminal voltage is between 9.5 and 17.2 V.</li><li>• Open in stop switch circuit.</li></ul>	<ul style="list-style-type: none"><li>• Stop lamp switch</li><li>• Stop lamp switch circuit</li></ul>

**Stop Light SW**  
S14

**Driver Side J/B**

**Engine Room R/B**

**FL MAIN**

**Battery**

**Wiring Details:**

- Stop Light SW (S14) terminals: 2 (W), 1 (G-W)
- Driver Side J/B terminals: 7 (2G), 19 (2G), 15 (2K), 13 (2G), 1 (2E)
- Engine Room R/B terminals: 1 (B-G), 2 (B-G)
- Rear Combination Light LH (R6) terminal: 1 (G-W)
- Rear Combination Light RH (R7) terminal: 1 (G-W)
- High Mounted Stop Light (H12) terminals: 1(\*3), 2(\*4), 1(\*4), 2(\*3)
- Wiring colors: W-B(\*2), W-B(\*1), W-B, W-B(\*2)(\*3), W-B(\*2)(\*4), W-B(\*1), W-B, W-B(\*6), W-B(\*8), W(\*7)
- Ground connections: GND1 (S1), GND2 (S1)

**Legend:**

- \*1: TMC Made
- \*2: TMMK Made
- \*3: w/o Rear Spoiler
- \*4: w/ Rear Spoiler
- \*5: TMC Made 2AZ
- \*6: TMMK Made 1MZ, TMMK Made 3MZ
- \*7: TMMK Made 2AZ
- \*8: TMC Made 1MZ, TMC Made 3MZ

## INSPECTION PROCEDURE

### NOTICE:

When replacing the brake actuator assy, perform zero point calibration (see page 05-987).

### 1 CHECK STOP LAMP SWITCH OPERATION(STOP LAMP SWITCH CIRCUIT)

- (a) Check that the stop light comes on when the brake pedal is depressed and goes off when the brake pedal is released.

**OK:** Stop lamp switch function is normal.

**NG**

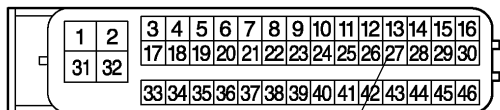
Go to step 5

**OK**

### 2 INSPECT SKID CONTROL ECU TERMINAL VOLTAGE(STP TERMINAL)

Skid Control ECU

(harness side connector) S1



- (a) Disconnect the skid control ECU connector S1.  
(b) Measure the voltage according to the value(s) in the table below.

#### Standard:

Tester Connection	Switch condition	Specified Condition
S1-27 (STP) – Body ground	Brake pedal depressed	8 to 14 V
S1-27 (STP) – Body ground	Brake pedal released	Below 1 V

**NG**

Go to step 4

**OK**

### 3 RECONFIRM DTC

- (a) Clear the DTCs (see page 05-1002).  
(b) Turn the ignition switch to the ON position.  
(c) Are the same DTCs recorded? (see page 05-1002)

**NO**

END

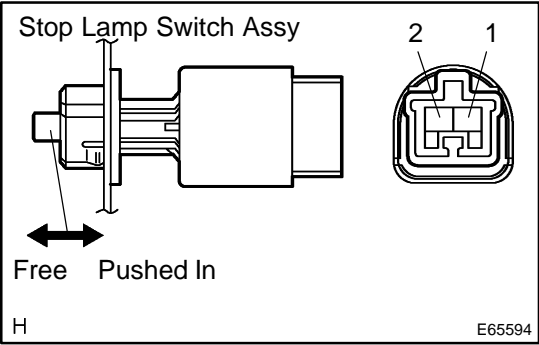
#### HINT:

It is suspected that the DTCs output was caused by poor connection of the connector terminal.

**YES**

REPLACE BRAKE ACTUATOR ASSY (SEE PAGE 32-63)

4 INSPECT STOP LAMP SWITCH ASSY



- (a) Disconnect the stop lamp switch assy connector S14.
- (b) Measure the resistance according to the value(s) in the table below.

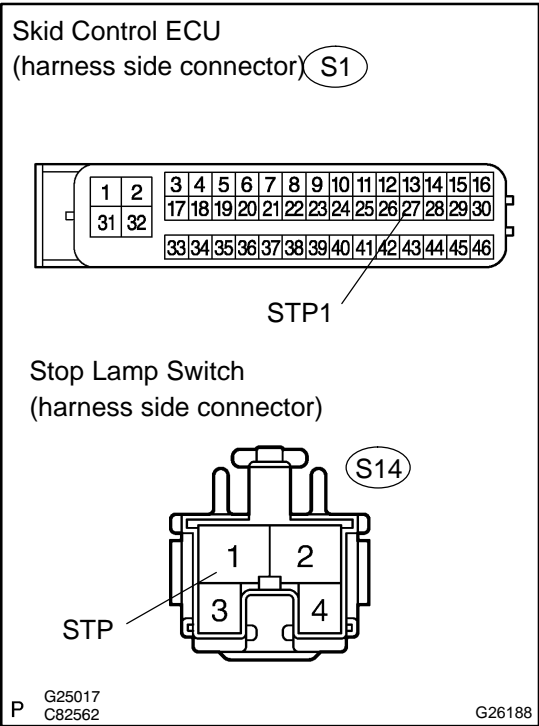
Standard:

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

NG REPLACE STOP LAMP SWITCH ASSY

OK

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



- (a) Disconnect the stop lamp switch connector S14 and skid control ECU connector S1.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Specified Condition
S1-27 (STP1) - S14-1 (STP)	Below 1 Ω

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE BRAKE ACTUATOR ASSY (SEE PAGE 32-63)