

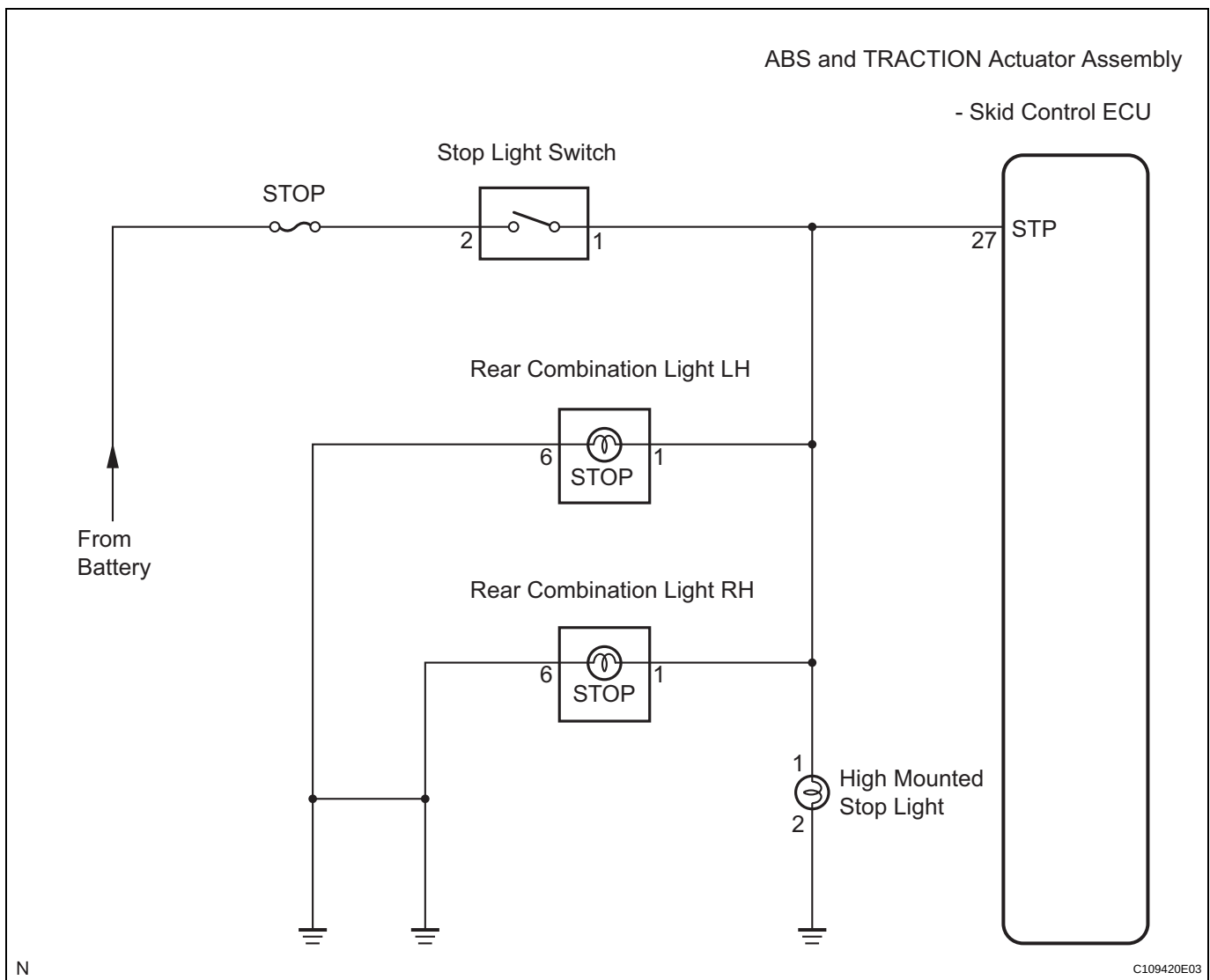
DTC	C1249/49	Open in Stop Light Switch Circuit
-----	----------	-----------------------------------

DESCRIPTION

The skid control ECU inputs the stop light switch signal and detects the status of the brake operation. The skid control ECU has an open detection circuit. If an open in the stop light switch input line or GND side stop light circuit is detected when the stop light switch is off, this DTC is output.

DTC No.	DTC Detecting Condition	Trouble Area
C1249/49	All the following conditions continue for at least 0.3 seconds. – IG1 terminal voltage is between 9.5 and 17.2 V. – Open in stop light switch circuit.	• Stop light switch • Stop light switch circuit

WIRING DIAGRAM



INSPECTION PROCEDURE

NOTICE:

When replacing the ABS and TRACTION actuator assembly, perform zero point calibration (See page [BC-80](#)).

1

CHECK STOP LIGHT SWITCH OPERATION

- (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 light switch function is normal.
- HINT:**
Check the stop light bulb as it may have burnt out.

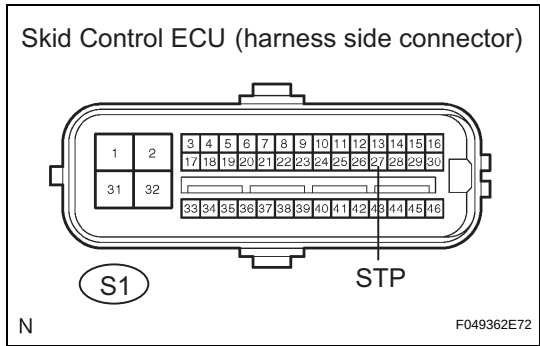
NG

Go to step 3

OK

2

INSPECT SKID CONTROL ECU (STP TERMINAL)



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

Tester Connection	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

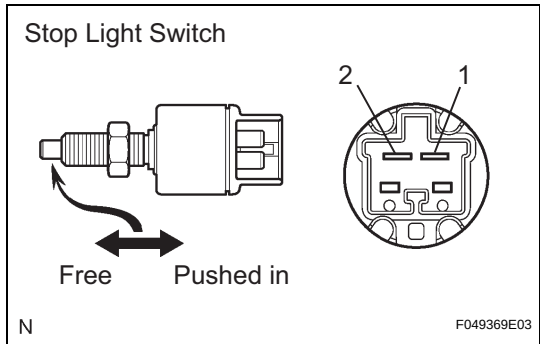
Go to step 4

OK

REPLACE ABS AND TRACTION ACTUATOR ASSEMBLY

3

INSPECT STOP LIGHT SWITCH



- (a) Disconnect the stop light switch connector.
- (b) Measure the resistance according to the value(s) in the table below.
- Standard resistance**

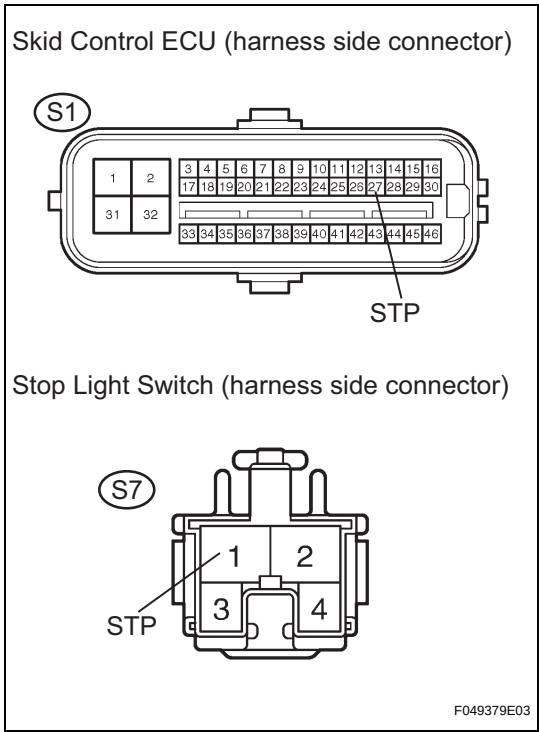
Tester Connection	Condition	Specified Condition
1 - 2	Switch pin free	Below 1 Ω
1 - 2	Switch pin pushed	10 kΩ or higher

NG

REPLACE STOP LIGHT SWITCH

OK

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



- Disconnect the stop light switch connector and skid control ECU connector.
- Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Specified Condition
S1-27 (STP) - S7-1 (STP)	Below 1 Ω

- Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Specified Condition
S1-27 (STP) - Body ground	10 kΩ or higher

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE ABS AND TRACTION ACTUATOR ASSEMBLY