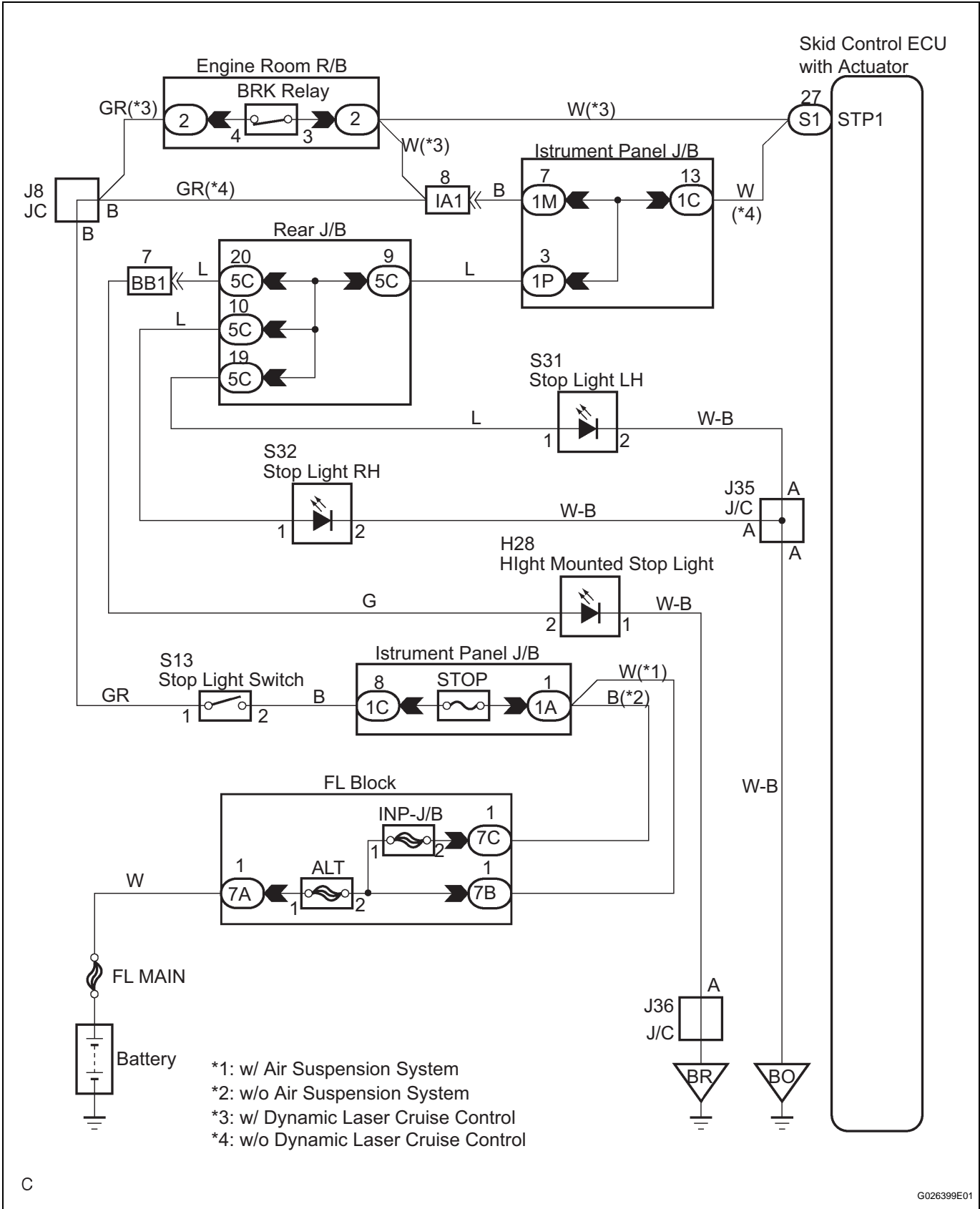


DTC**C1249/49****Open in Stop Light Switch Circuit****DESCRIPTION**

DTC No.	DTC Detection Condition	Trouble Area
C1249/49	<ul style="list-style-type: none">• When IG1 terminal voltage is 9.5 to 17.2 V, an open circuit of the stop light switch continues for 0.3 sec. or more.• When the brake pedal load sensing switch is on, the master cylinder pressure is 2 Mpa or more and the deceleration calculated from the vehicle speed is 0.2G or more, the stop light switch is off for 2 sec. or more.	<ul style="list-style-type: none">• Stop light assembly• Stop light switch circuit

WIRING DIAGRAM



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

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

HINT:

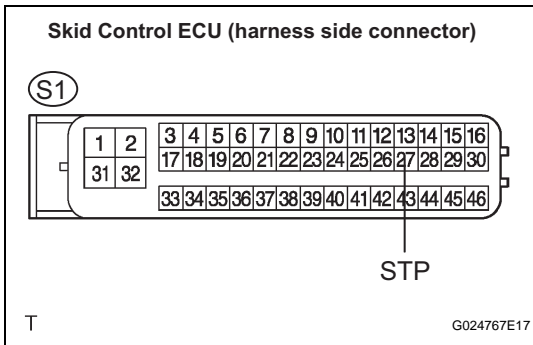
Check the stop light bulb as it may have burnt out.

NG → **Go to step 4**

OK

2 INSPECT SKID CONTROL ECU TERMINAL VOLTAGE (STP TERMINAL)

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



Voltage

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 5**

OK

3 RECONFIRM DTC

- (a) Clear the DTCs (See page BC-21).
- (b) Turn the ignition switch to the ON position.
- (c) Are the same DTCs detected.

Result

Result	Proceed to
DTC is output	A
DTC is not output	B

NOTICE:

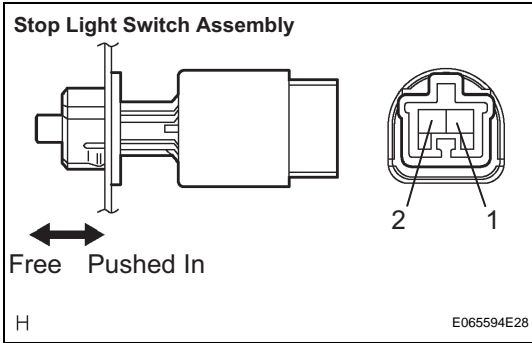
When replacing the ABS & TRACTION actuator assembly, perform zero point calibration (See page BC-5).

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

A

REPLACE ABS AND TRACTION ACTUATOR

4 INSPECT STOP LIGHT SWITCH ASSEMBLY



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

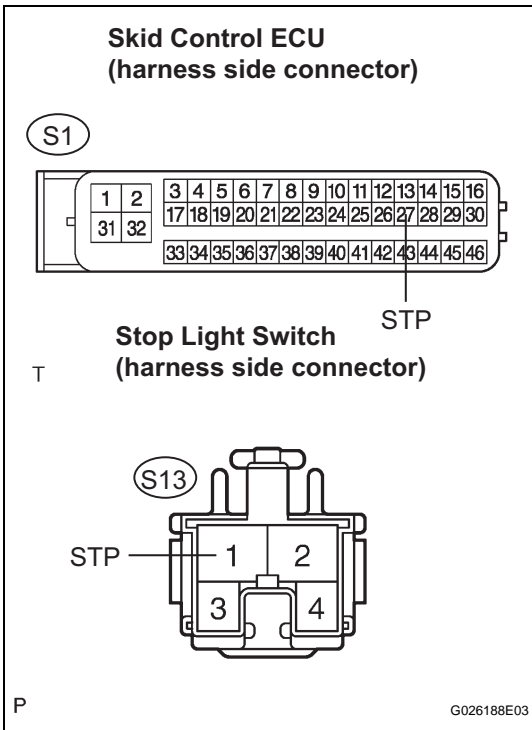
Resistance

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 LIGHT SWITCH ASSEMBLY**

OK

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



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

Resistance

Tester Connection	Specified Condition
S1-27 (STP) - S13-1 (STP)	Below 1 Ω

NOTICE:
When replacing the ABS & TRACTION actuator assembly, perform zero point calibration (See page BC-5).

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

REPLACE ABS AND TRACTION ACTUATOR