

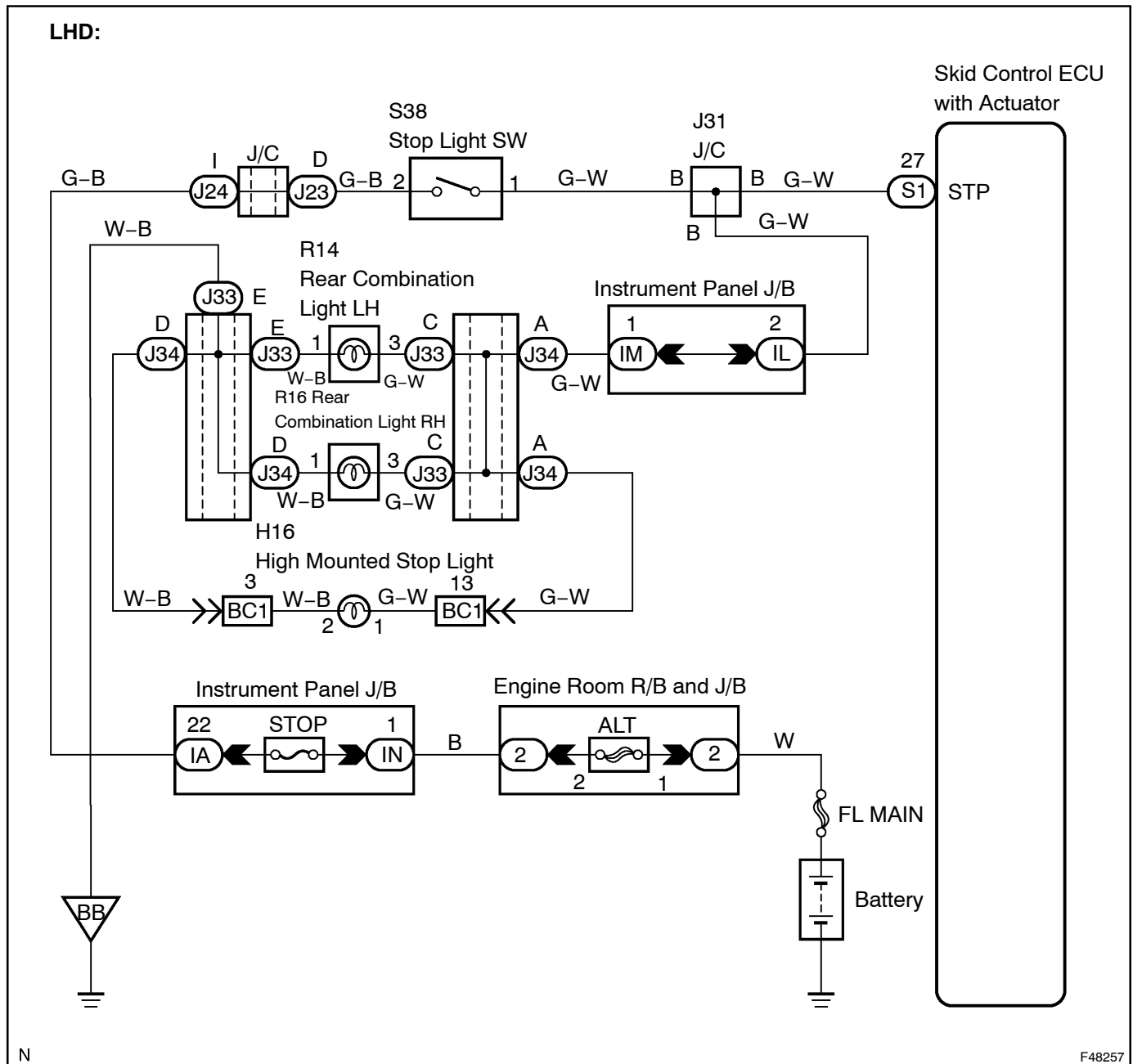
<b>DTC</b>	<b>C1249/49</b>	<b>OPEN CIRCUIT IN STOP LIGHT SWITCH CIRCUIT</b>
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## CIRCUIT DESCRIPTION

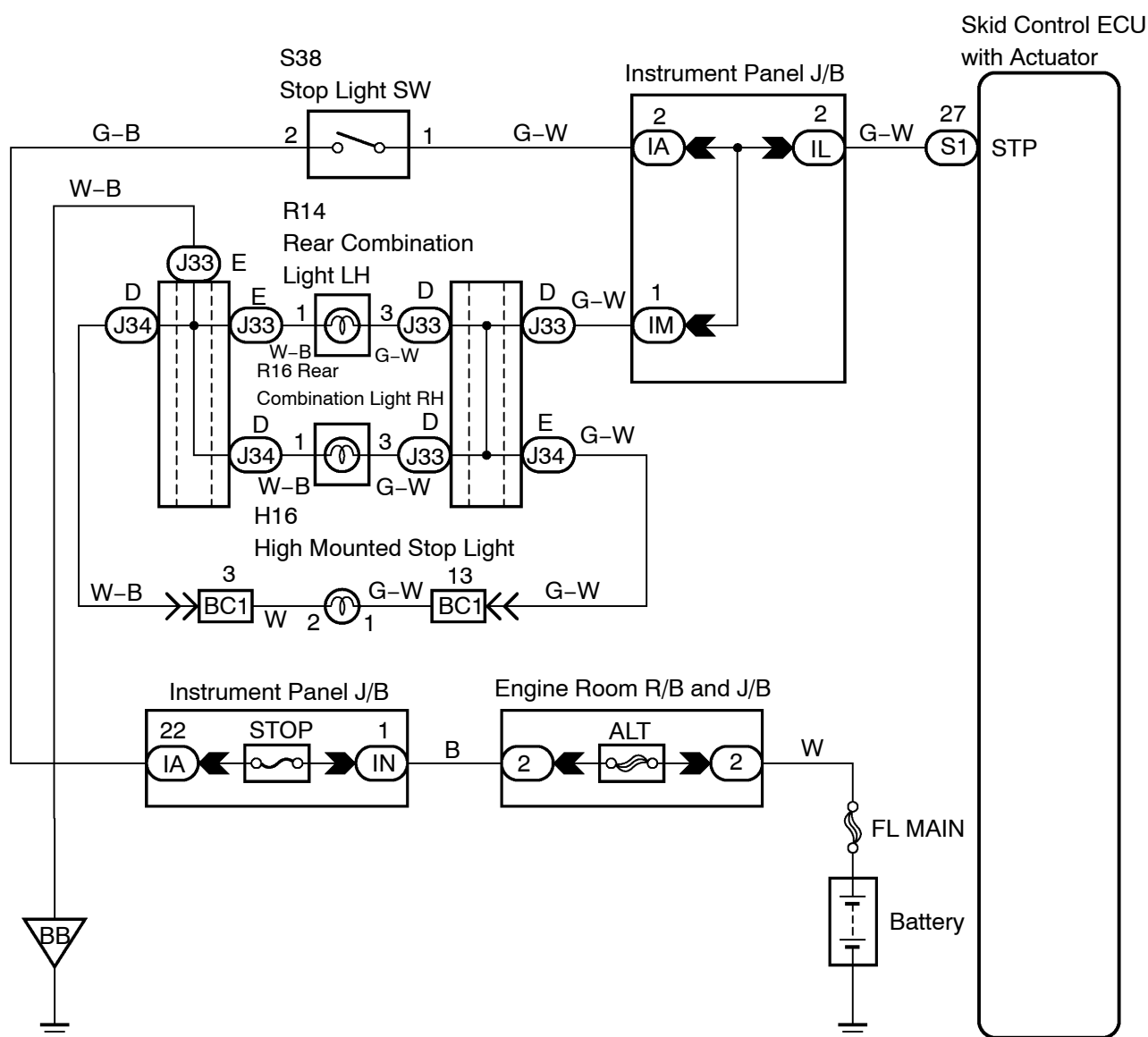
This circuit recognizes brake operation by sending a stop lamp signal to the skid control ECU.

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 lamp switch circuit.</li></ul>	<ul style="list-style-type: none"><li>• Stop lamp switch</li><li>• Stop lamp switch circuit</li></ul>

## WIRING DIAGRAM



RHD:



N

F48258

## INSPECTION PROCEDURE

## 1 CHECK STOP LAMP SWITCH OPERATION

- (a) Check that the stop lamp 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

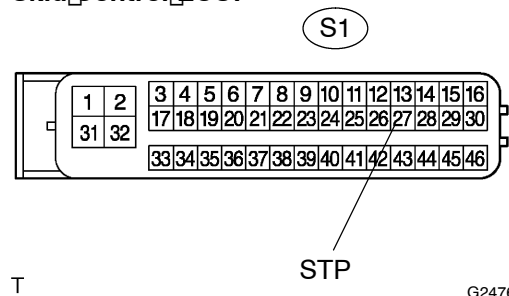
NG

Go to step 4

OK

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

Skid Control ECU:



- (a) Disconnect the skid control ECU S1 connector.  
 (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 5

OK

## 3 RECONFIRM DTC

- (a) Clear the DTCs (see page 05-625).  
 (b) Turn the ignition switch to the ON position.  
 Are the same DTCs detected? (see page 05-625).

NO

PROCEED TO NEXT CIRCUIT INSPECTION  
 SHOWN IN PROBLEM SYMPTOMS TABLE  
 (SEE PAGE 05-620)

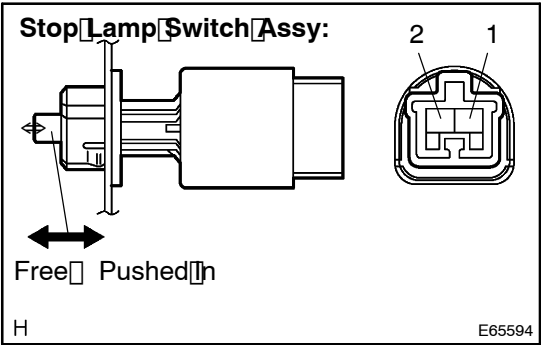
YES

REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32-20)

## NOTICE:

When replacing the ABS & TRACTION actuator assy, perform zero point calibration (see page 05-610).

4 INSPECT STOP LAMP SWITCH ASSY



- (a) Disconnect the stop lamp switch assy S38 connector.  
(b) Measure the resistance according to the value(s) in the table below.

Standard:

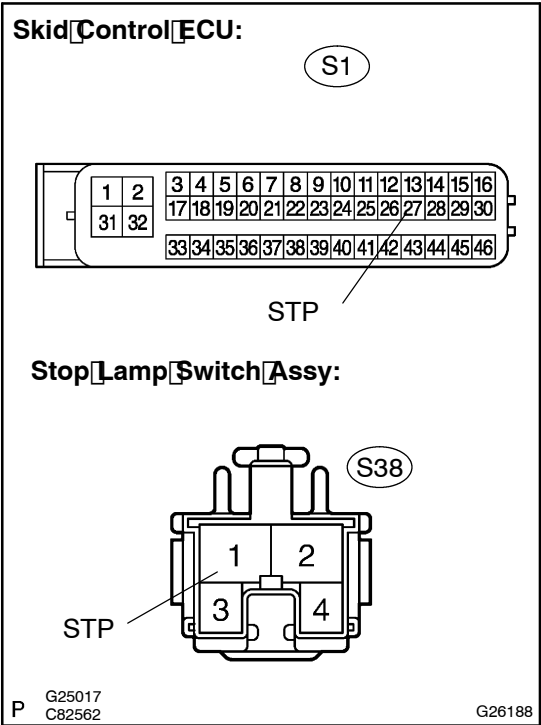
Switch Condition	Tester Connection	Specified Condition
Switch Pin Free	1 - 2	Below $\Omega$
Switch Pin Pushed In	1 - 2	10 k $\Omega$ or higher

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REPLACE STOP LAMP SWITCH ASSY

OK

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



- (a) Disconnect the stop lamp S38 switch connector and skid control ECU S1 connector.

Standard:

Tester Connection	Specified Condition
S1-27 (STP) - S38-1 (STP)	Below 1 $\Omega$

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32-20)

NOTICE:

When replacing the ABS & TRACTION actuator assy, perform zero point calibration (see page 05-610).