

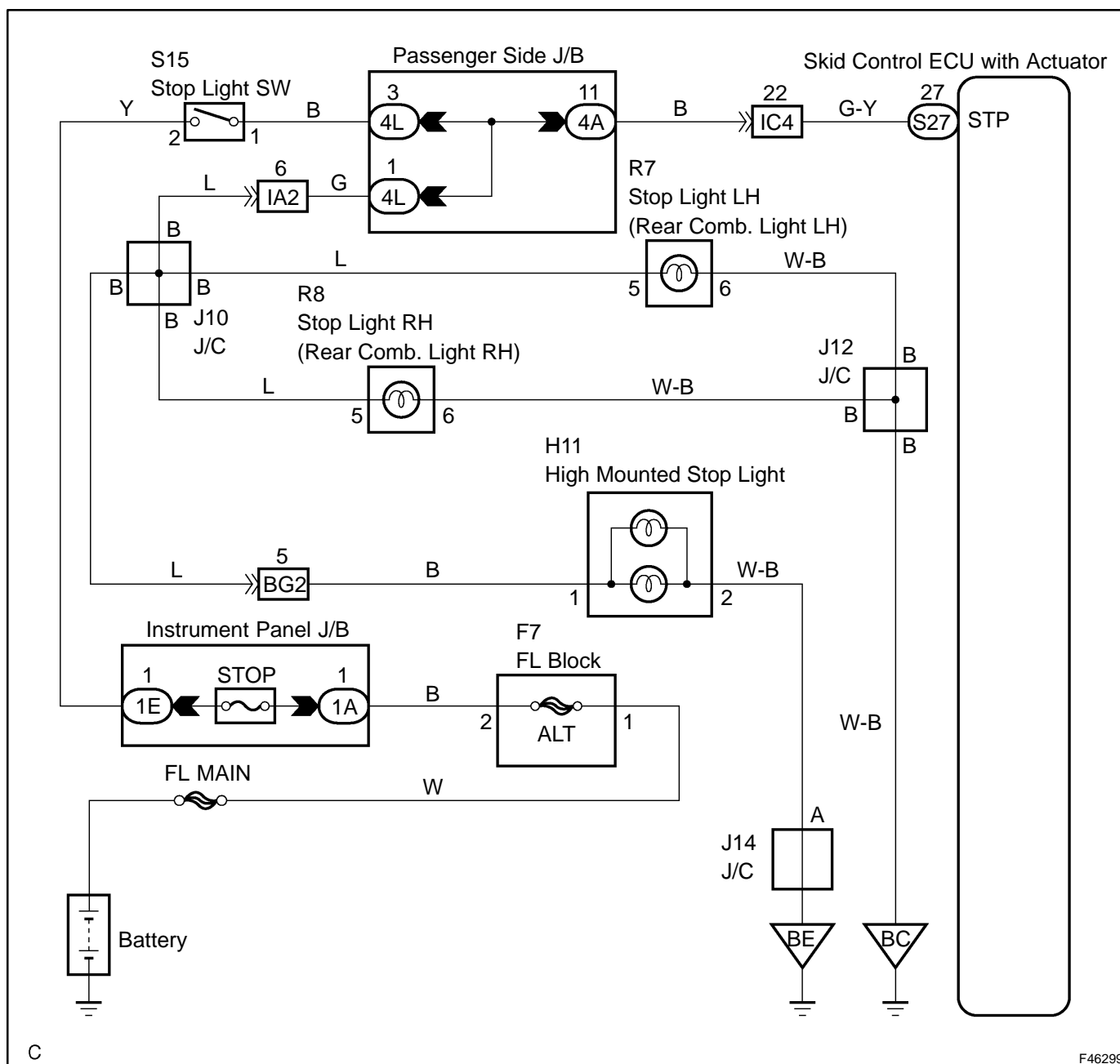
DTC	C1249/49	OPEN CIRCUIT IN STOP LIGHT SWITCH CIRCUIT
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CIRCUIT DESCRIPTION

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	<p>All the following conditions continues for at least 0.3 seconds.</p> <ul style="list-style-type: none"> • IG1 terminal voltage is between 9.5 and 17.2 V. • Open in stop switch circuit. • When the brake pedal load sensing switch is on, the master cylinder pressure is 2MPa or more and the deceleration calculated from the vehicle speed is 0.2 G or more, the stop lamp switch is off for 2 seconds or more. 	<ul style="list-style-type: none"> • Stop lamp bulb • Stop lamp switch • Stop lamp switch circuit

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK STOP LAMP 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.

HINT:

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

Standard: Stop lamp switch function is normal.

NG

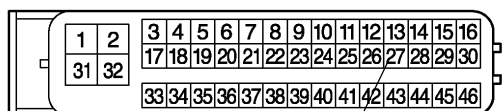
Go to step 4

OK

2 INSPECT SKID CONTROL ECU TERMINAL VOLTAGE(STP TERMINAL)

Skid Control ECU

(harness side connector) S27



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

Standard:

Tester Connection	Switch condition	Specified Condition
S27-27 (STP) - Body ground	Brake pedal depressed	8 to 14 V
S27-27 (STP) - Body ground	Brake pedal released	Below 1 V

NG

Go to step 5

OK

3 RECONFIRM DTC

- (a) Clear the DTCs(see page 05-765).
(b) Turn the ignition switch to the ON position.
(c) Are the same DTCs detected? (see page 05-765).

NO

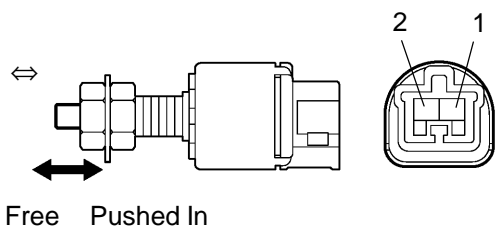
**PROCEED TO NEXT CIRCUIT INSPECTION
SHOWN IN PROBLEM SYMPTOMS TABLE
(SEE PAGE 05-786)**

YES

REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32-37)

4 INSPECT STOP LAMP SWITCH ASSY

Stop Lamp Switch Assy



N

F47536

- Disconnect the stop lamp switch assy connector.
- 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 k Ω or higher

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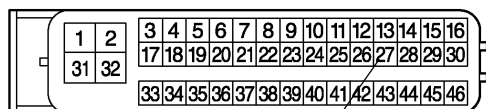
REPLACE STOP LAMP SWITCH ASSY

OK

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

Skid Control ECU

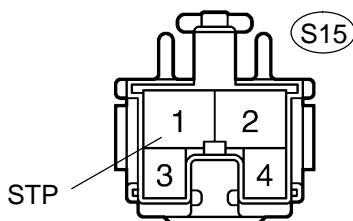
(harness side connector) S27



STP

Stop Lamp Switch

(harness side connector)

P G25017
C82562

G26188

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

Standard:

Tester Connection	Specified Condition
S27-27 (STP) - S15-1 (STP)	Below 1 Ω

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE ABS & TRACTION ACTUATOR ASSY(SEE PAGE 32-37)