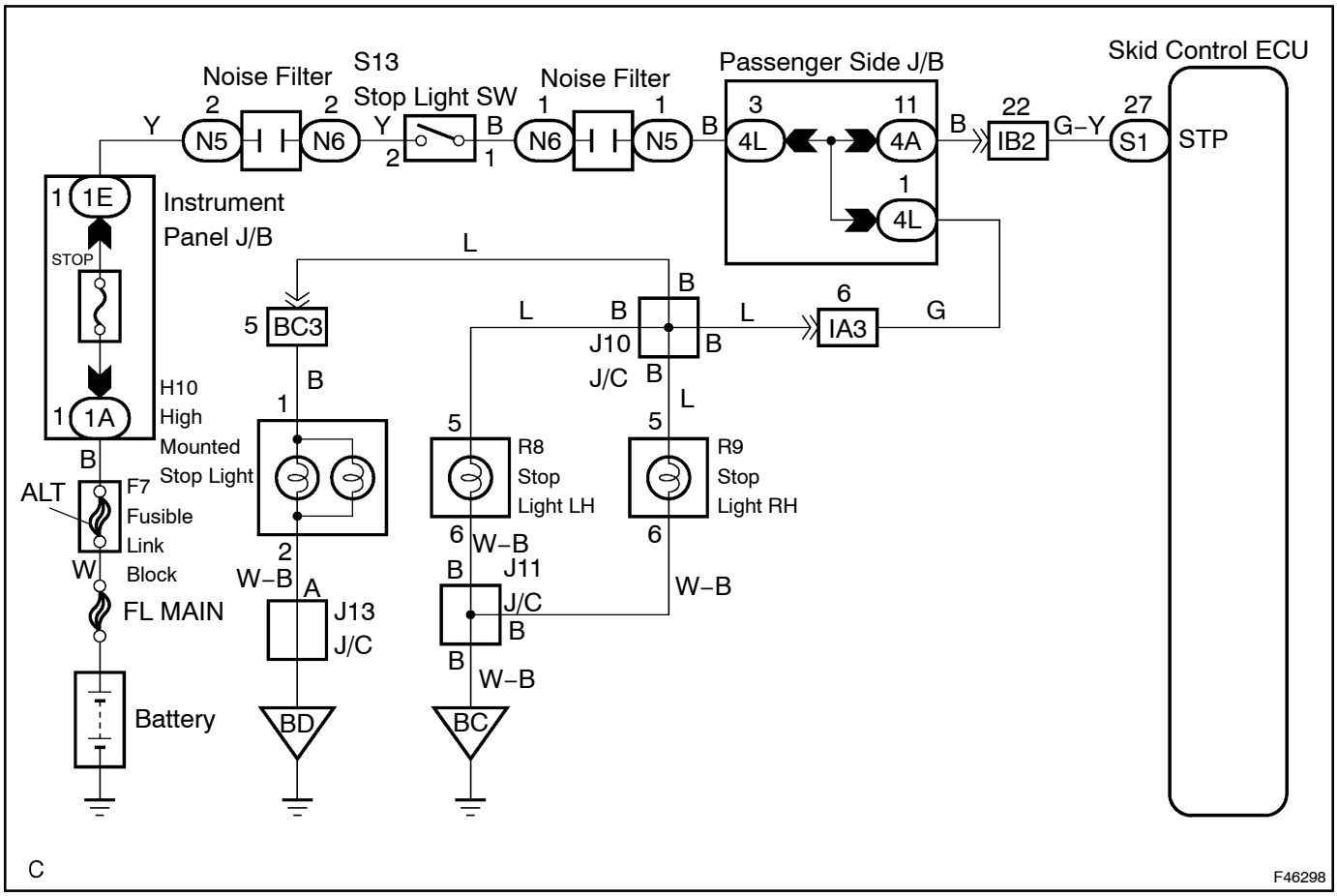
DTC	C1249/49	OPEN CIRCUIT IN STOP LIGHT SWITCH CIRCUIT

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 continues for at least 0.3 seconds. • 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.	• 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:

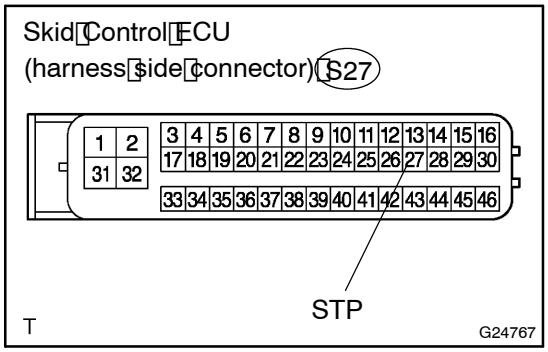
Check the stop lamp bulb as it may have burnt out.

Standard: Stop lamp switch function is normal.

NG → **Go to step 4**

OK

2	INSPECT SKID CONTROL ECU TERMINAL VOLTAGE(STP TERMINAL)



(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 05–234).

(b) Turn the ignition switch to the ON position.

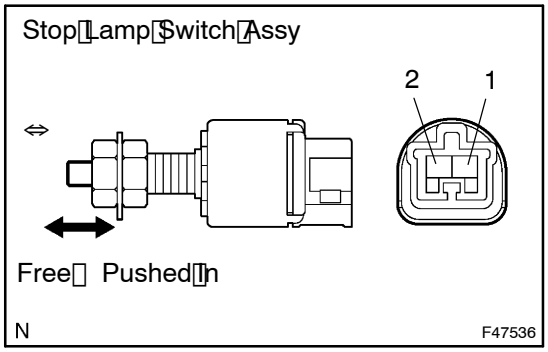
(c) Are the same DTCs recorded?

NO → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05–253)**

YES

REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32–43)

4 INSPECT STOP LAMP SWITCH ASSY



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

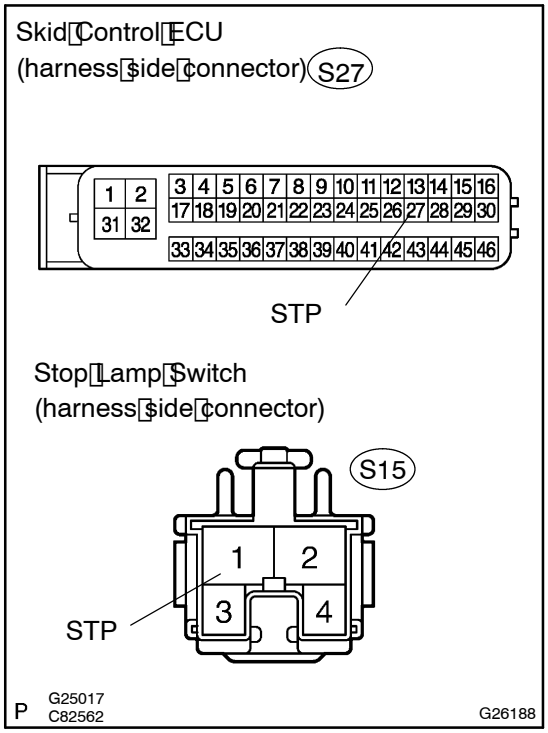
Standard:

Switch condition	Tester connection	Specified condition
Switch pin free	1 – 2	Below 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 and skid control ECU connector.
(b) 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 32–43)