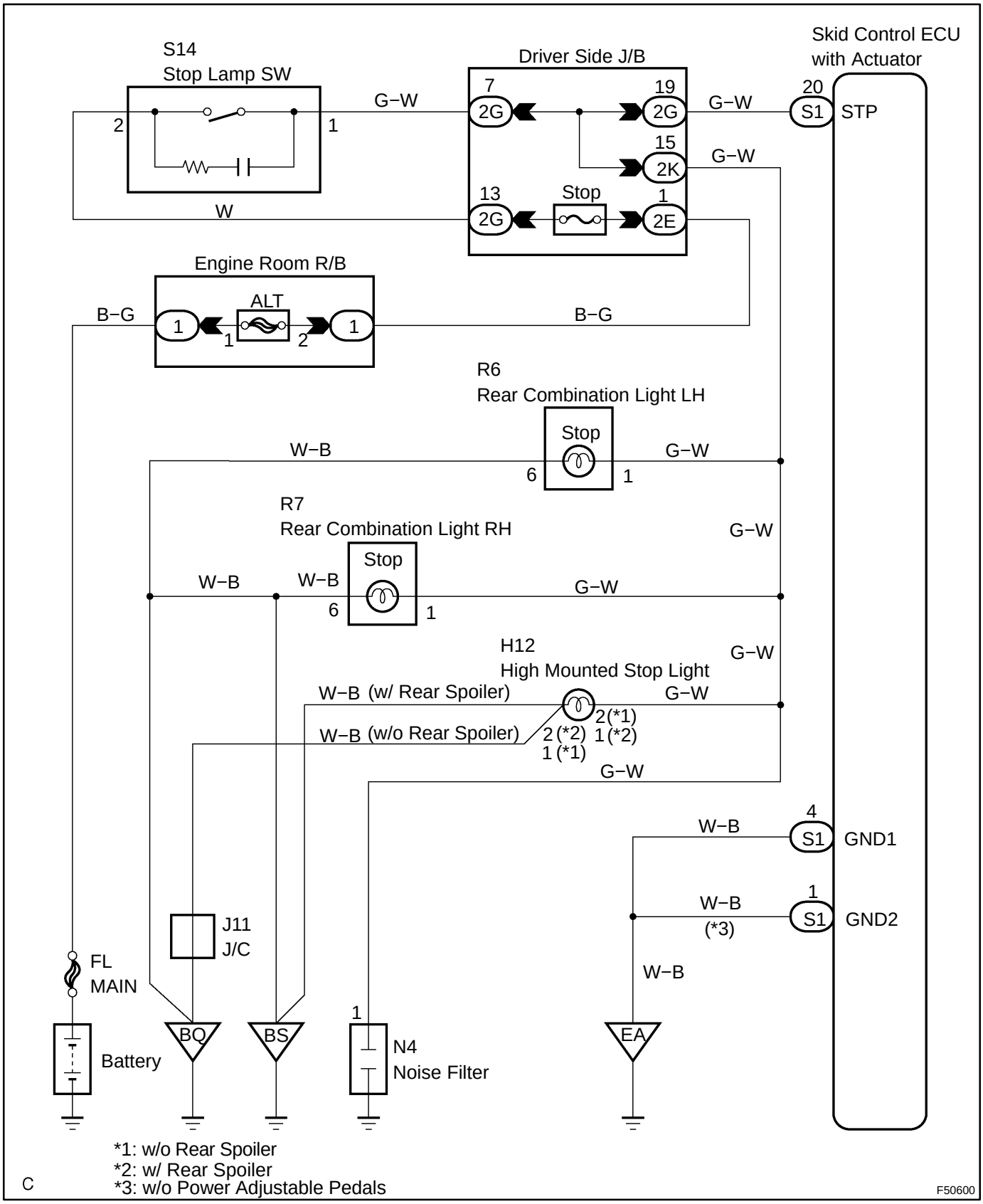
DTC C1249/58 STOP LIGHT SWITCH CIRCUIT

CIRCUIT DESCRIPTION

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

DTC No.	DTC Detecting Condition	Trouble Area
C1249/58	Stop light switch circuit is open, and stop lamp switch voltage is in the level between 40 % and 70 % of the battery voltage.	• Stop light switch • Stop light switch circuit

WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT STOP LAMP SWITCH ASSY

(a) Check that the stop lamp 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.

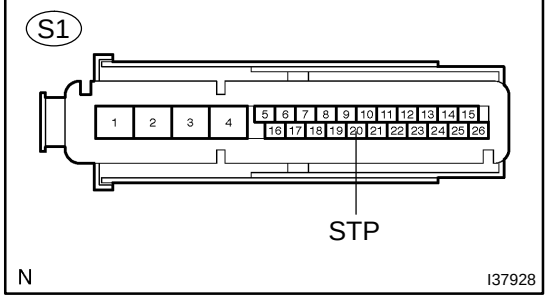
Standard: Stop lamp switch function is normal.

NG → **Go to step 4**

OK

2 INSPECT SKID CONTROL ECU TERMINAL VOLTAGE(STP TERMINAL)

Skid Control ECU Connector Front View



(a) Disconnect the skid control ECU connector.

(b) Measure the voltage according to the value(s) in the table below.

Standard:

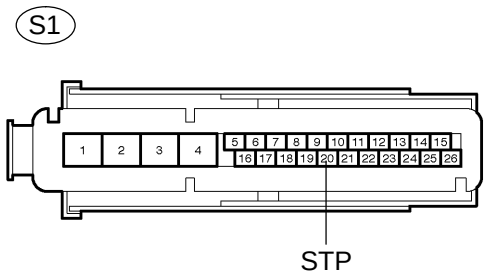
Tester Connection	Switch Condition	Specified Condition
S1−20 (STP) − Body ground	Brake pedal depressed	8 to 14 V
S1−20 (STP) − Body ground	Brake pedal released	Below 4.0 V

OK → **REPLACE BRAKE ACTUATOR ASSY (See page 32−58)**

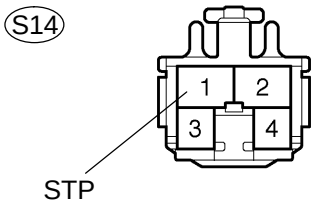
NG

3 CHECK HARNESS AND CONNECTOR(STOP LAMP SWITCH − SKID CONTROL ECU)

Skid Control ECU Connector Front View



Stop Lamp Switch Connector Front View



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(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
S1−20 (STP) − S14−1 (STP)	Below 1Ω

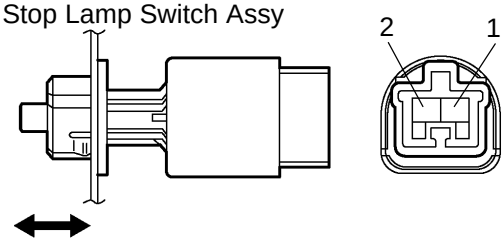
NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (See page 05−883)

4 INSPECT STOP LAMP SWITCH ASSY

Stop Lamp Switch Assy



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(a) Disconnect the stop lamp switch assy connector.

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

Standard:

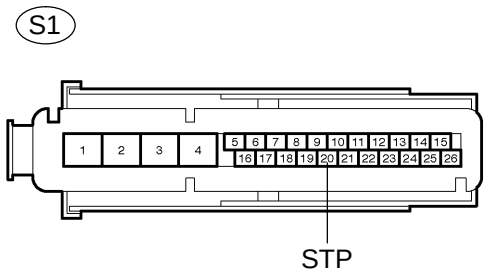
Switch Condition	Tester Connection	Specified Condition
Switch pin free	1 − 2	Below 1Ω
Switch pin pushed in	1 − 2	10 kΩ or higher

NG → **REPLACE STOP LAMP SWITCH ASSY**

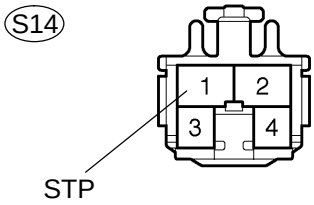
OK

5 CHECK HARNESS AND CONNECTOR(STOP LAMP CIRCUIT)

Skid Control ECU Connector Front View



Stop Lamp Switch Connector Front View



N I37933

(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
S1−20 (STP) − S14−1 (STP)	Below 1Ω

OK → **REPLACE BRAKE ACTUATOR ASSY (See page 32−58)**

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR