DTC	C1249/49	OPEN CIRCUIT IN STOP LIGHT SWITCH CIRCUIT

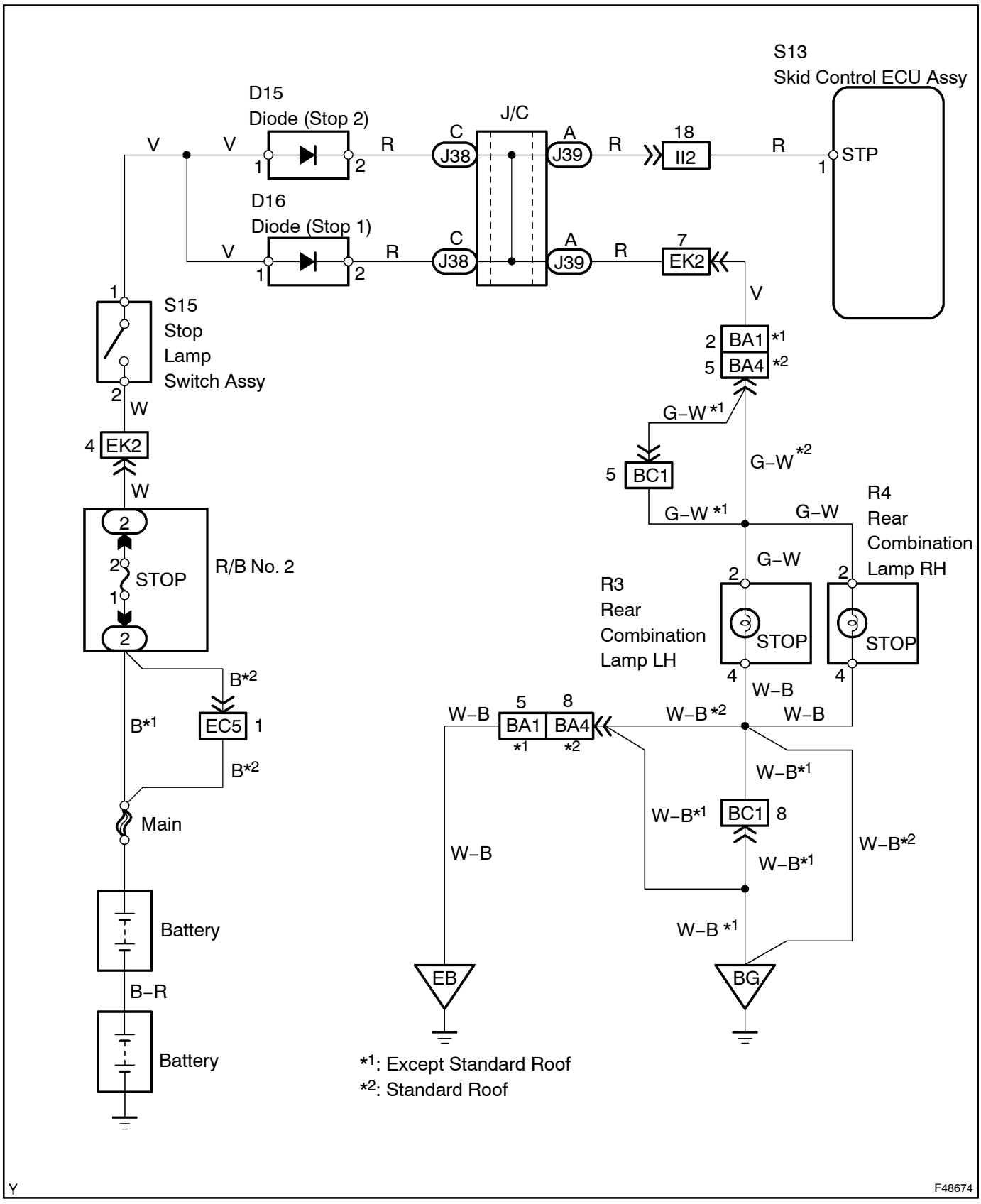
CIRCUIT DESCRIPTION

DTC No.	DTC Detection Condition	Trouble Area
C1249/49	ECU terminal IG1 voltage is 19 to 36 V and ABS is not operating, and open circuit in stop lamp switch circuit continues for 0.3 sec. or more	• Stop lamp bulb • Stop lamp switch assy • Stop lamp switch circuit

HINT:

- If the brake pedal is depressed firmly, the brake force may become lowered.
- Fail–safe function:
  If any trouble occurs in the stop lamp switch circuit, the ECU will cut off current to the ABS SOL MAIN relay and prohibit ABS controls and BRAKE ASSIST.

WIRING DIAGRAM



INSPECTION PROCEDURE

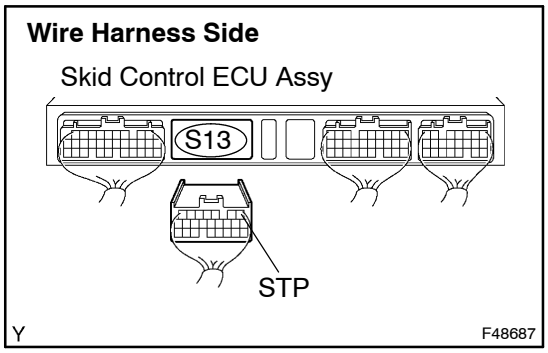
1	CHECK STOP LAMP SWITCH ASSY (OPERATION)

(a) Check that the stop lamp illuminates when the brake pedal is depressed and turns off when the brake pedal is released.
OK: Stop lamp switch function normal.

NG → **Go to step 3**

OK

2	INSPECT SKID CONTROL ECU (STP VOLTAGE)



(a) Disconnect the S13 ECU connector.
(b) Measure the voltage according to the table below.
Standard:

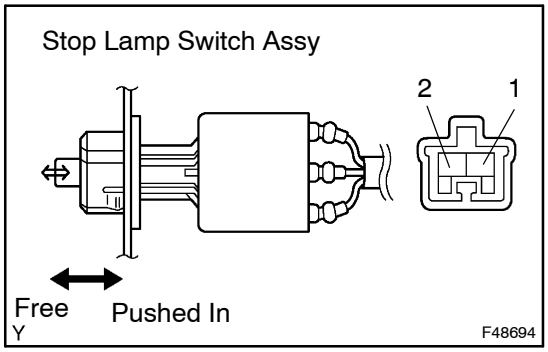
Tester Connection	Condition	Specified Condition
S13–1 (STP) – Body ground	Brake pedal depressed	20 to 32 V
S13–1 (STP) – Body ground	Brake pedal released	Below 1 V

NG → **Go to step 4**

OK

REPLACE SKID CONTROL ECU ASSY (See page 01–27)

3 INSPECT STOP LAMP SWITCH ASSY



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

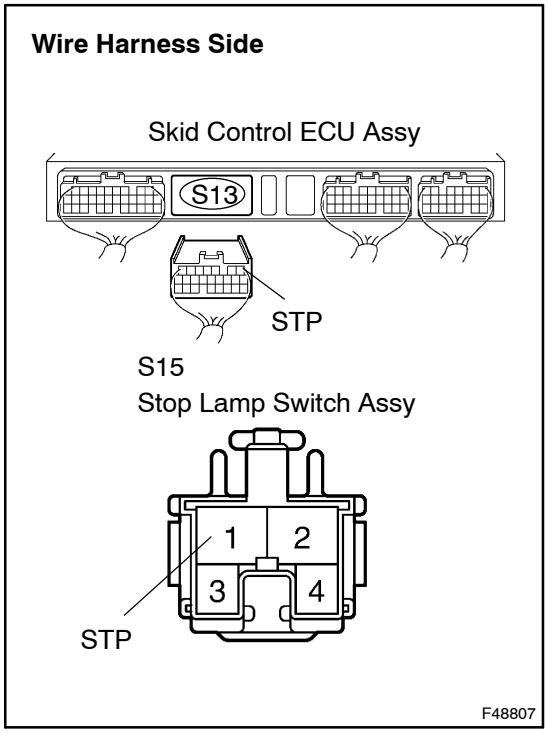
Standard:

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

NG → **REPLACE STOP LAMP SWITCH ASSY**

OK

4 CHECK HARNESS (SKID CONTROL ECU ASSY – STOP LAMP SWITCH ASSY, BATTERY AND BODY GROUND)



(a) Disconnect the S15 switch connector.
(b) Disconnect the S13 ECU connector.
(c) Measure the resistance and voltage according to the table below.

Standard:

Tester Connection	Specified Condition
S13–1 (STP) – S15–1	Below 1 Ω
S13–1 (STP) – Body ground	10 kΩ or higher
S15–2 – Body ground	20 to 32 V

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

OK

REPAIR OR REPLACE HARNESS AND CONNECTOR