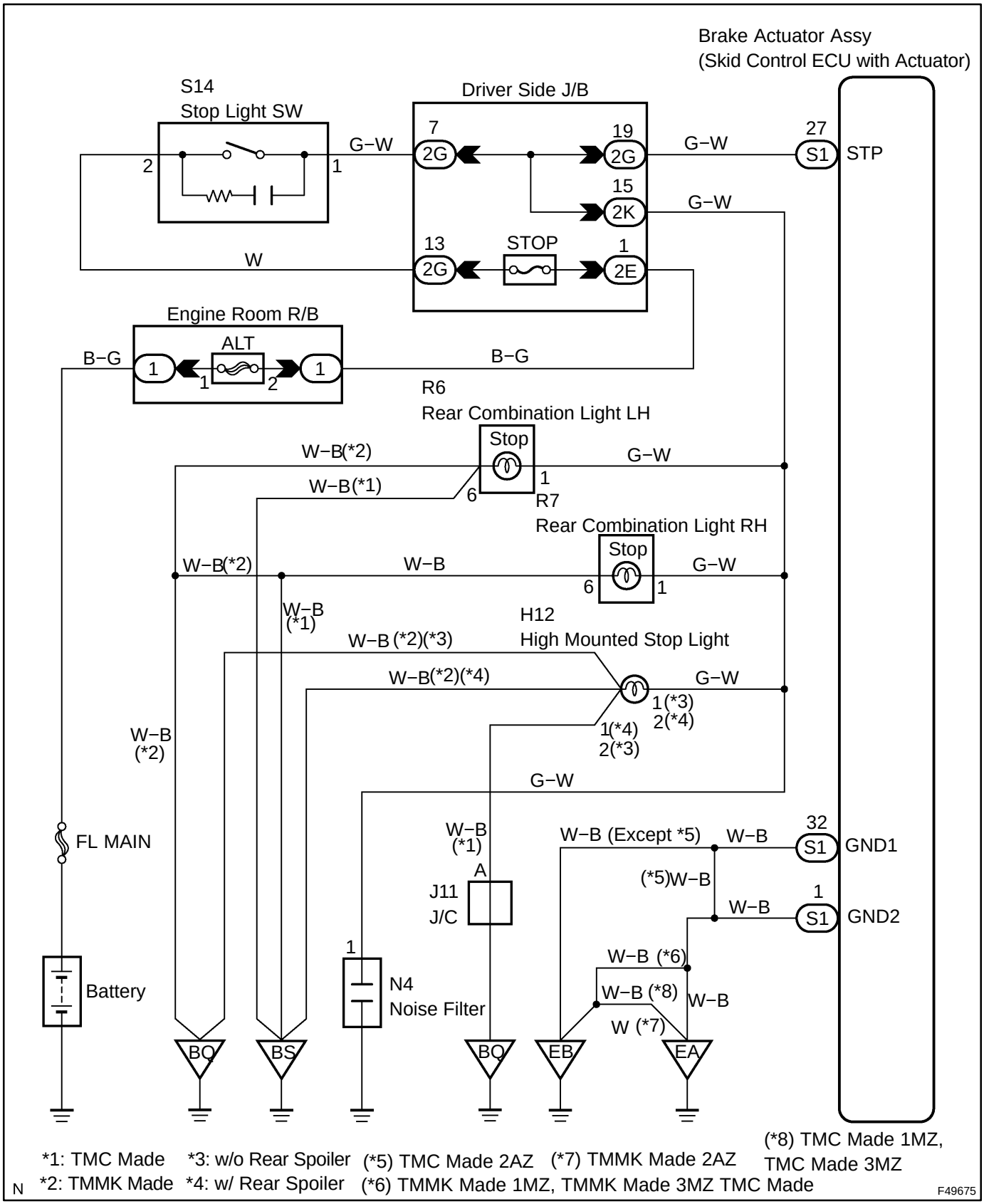
DTC	C1249/49	OPEN CIRCUIT IN STOP LIGHT SWITCH CIRCUIT

CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
C1249/49	All the following conditions continue for at least 0.3 seconds. • IG1 terminal voltage is between 9.5 and 17.2 V. • Open in stop switch circuit.	• Stop lamp switch • Stop lamp switch circuit

WIRING DIAGRAM



INSPECTION PROCEDURE

NOTICE:

When replacing the brake actuator assy, perform zero point calibration (see page 05−987).

1	CHECK STOP LAMP SWITCH OPERATION(STOP LAMP SWITCH CIRCUIT)

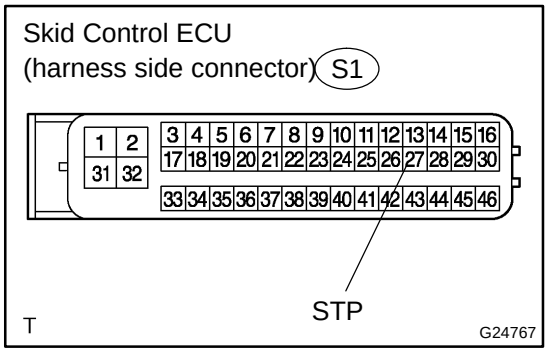
(a) Check that the stop light comes on when the brake pedal is depressed and goes off when the brake pedal is released.

OK: Stop lamp switch function is normal.

NG → **Go to step 5**

OK

2	INSPECT SKID CONTROL ECU TERMINAL VOLTAGE(STP TERMINAL)



(a) Disconnect the skid control ECU connector S1.

(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 4**

OK

3	RECONFIRM DTC

(a) Clear the DTCs (see page 05−1002).

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

(c) Are the same DTCs recorded? (see page 05−1002)

NO → **END**

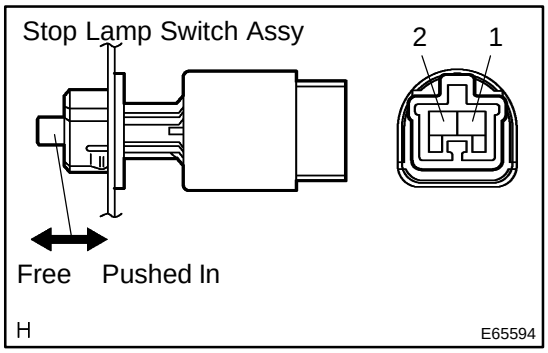
HINT:

It is suspected that the DTCs output was caused by poor connection of the connector terminal.

YES

REPLACE BRAKE ACTUATOR ASSY (SEE PAGE 32−63)

4 INSPECT STOP LAMP SWITCH ASSY



(a) Disconnect the stop lamp switch assy connector S14.
(b) Measure the resistance according to the value(s) in the table below.

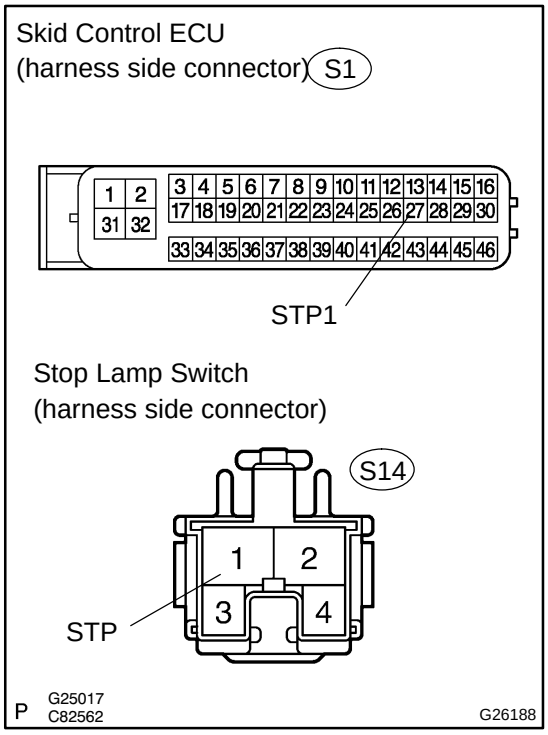
Standard:

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 S14 and skid control ECU connector S1.
(b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Specified Condition
S1−27 (STP1) − S14−1 (STP)	Below 1 Ω

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

OK

REPLACE BRAKE ACTUATOR ASSY (SEE PAGE 32−63)