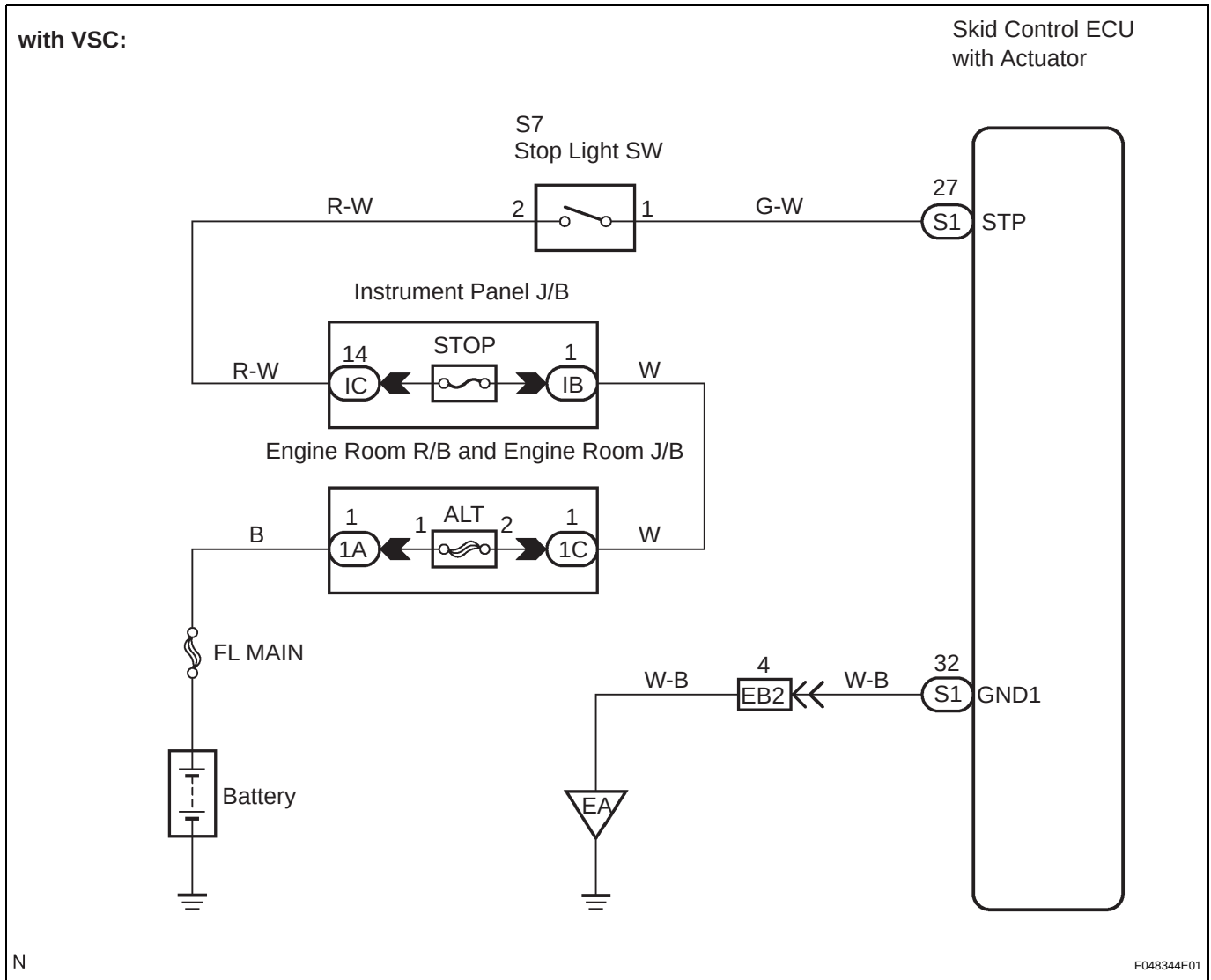


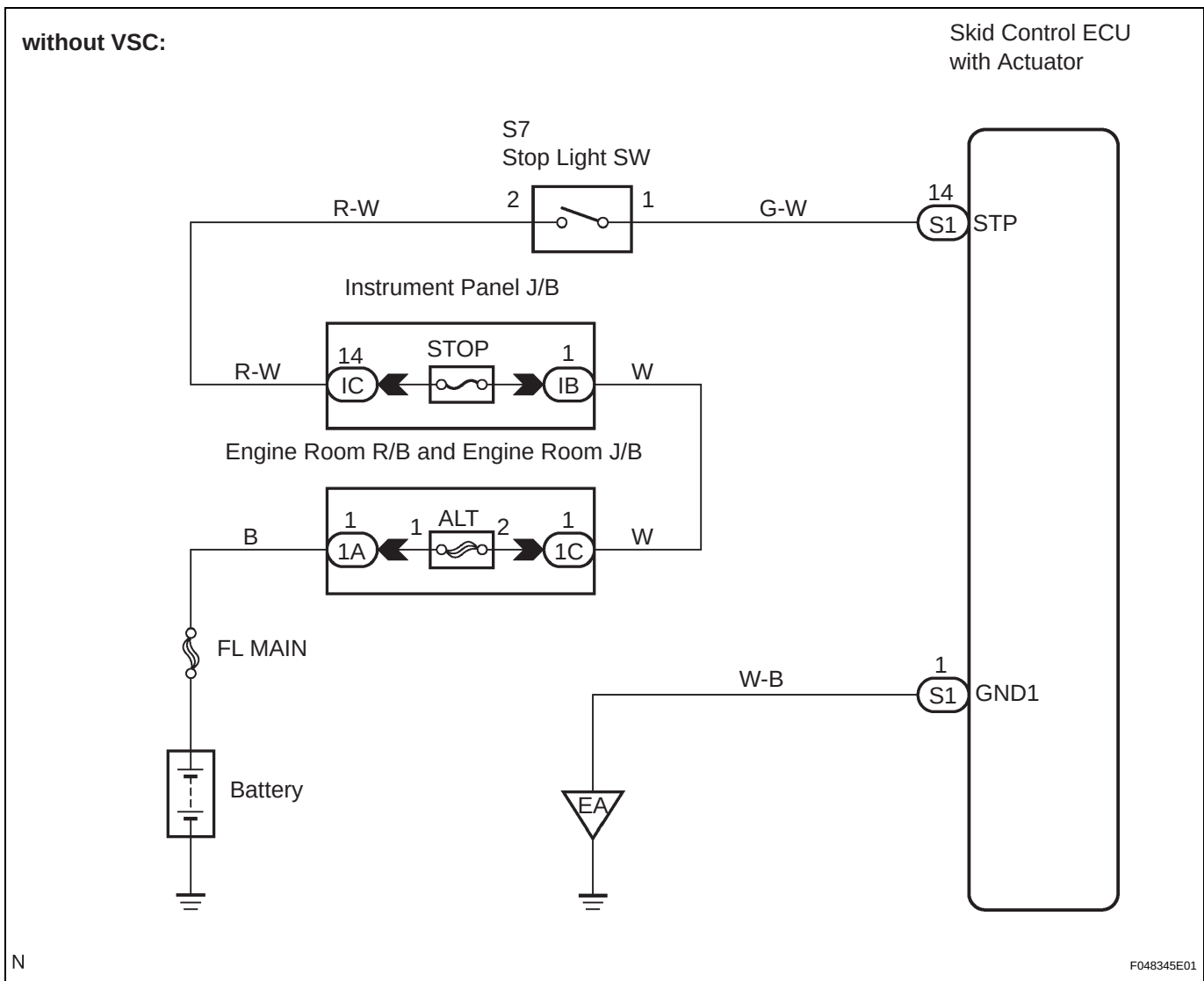
Stop Light Switch Circuit

DESCRIPTION

When the stop light switch is ON (brake pedal depressed), the skid control ECU suspends the tire pressure warning system.

WIRING DIAGRAM





INSPECTION PROCEDURE

1 CHECK STOP LIGHT 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.

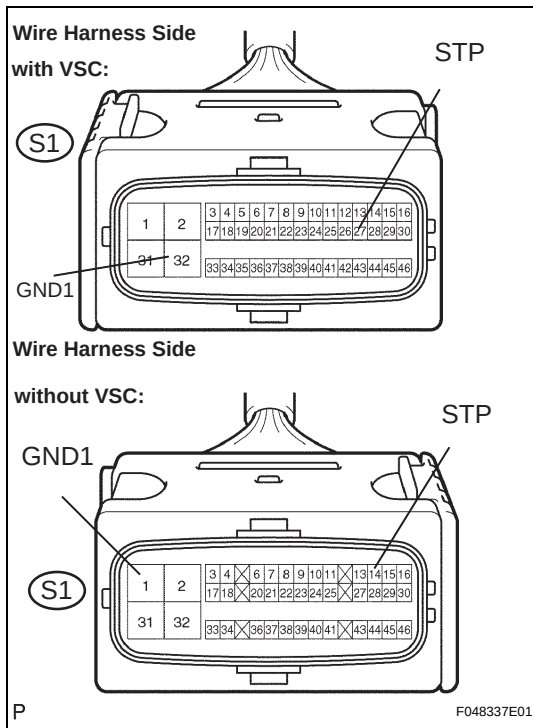
OK:

Stop light functions normally.

NG

Go to step 3

OK

2**CHECK HARNESS AND CONNECTOR (BRAKE ACTUATOR ASSEMBLY - STOP LIGHT SWITCH ASSEMBLY)**

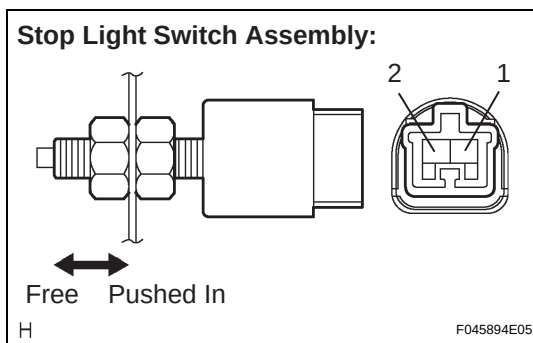
- (a) Disconnect the brake actuator assembly S1 connector.
 (b) Measure the voltage according to the value(s) in the table below.

Voltage (with VSC)

Switch condition	Tester connection	Specified condition
Brake pedal depressed	S1-27 (STP) - S1-32 (GND1)	10 to 14 V
Brake pedal released	S1-27 (STP) - S1-32 (GND1)	Below 1.5 V

Voltage (without VSC)

Switch condition	Tester connection	Specified condition
Brake pedal depressed	S1-14 (STP) - S1-1 (GND1)	10 to 14 V
Brake pedal released	S1-14 (STP) - S1-1 (GND1)	Below 1.5 V

NG**REPAIR OR REPLACE HARNESS OR CONNECTOR****OK****PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE****3****CHECK REAR COMBINATION LIGHT ASSEMBLY****NG****REPLACE REAR COMBINATION LIGHT ASSEMBLY****OK****4****INSPECT STOP LIGHT SWITCH ASSEMBLY****TW**

- (a) Disconnect the stop light switch assembly S7 connector.
 (b) Measure the resistance according to the value(s) in the table below.

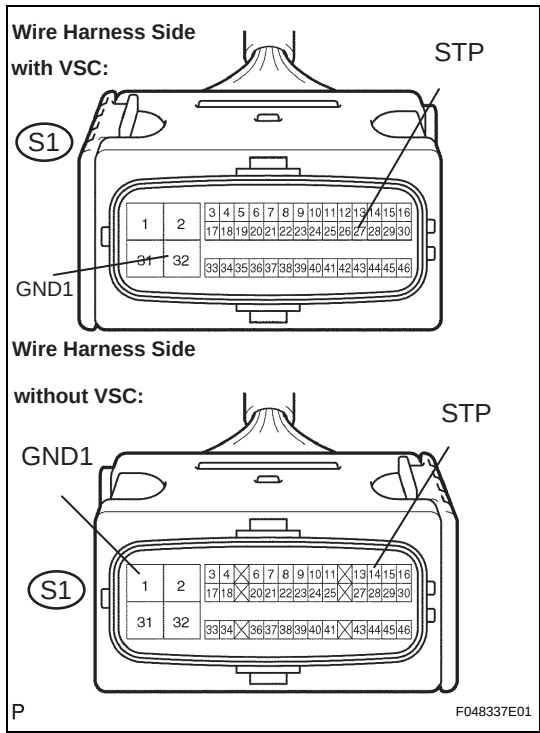
Standard resistance

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

NG**REPLACE STOP LIGHT SWITCH ASSEMBLY**

OK

5 CHECK HARNESS AND CONNECTOR (BRAKE ACTUATOR ASSEMBLY - STOP LIGHT SWITCH ASSEMBLY)



- (a) Disconnect the stop light switch assembly S7 connector.
- (b) Disconnect the brake actuator assembly S1 connector.
- (c) Measure the voltage according to the value(s) in the table below.

Voltage (with VSC)

Switch condition	Tester connection	Specified condition
Brake pedal depressed	S1-27 (STP) - S1-32 (GND1)	10 to 14 V
Brake pedal released	S1-27 (STP) - S1-32 (GND1)	Below 1.5 V

Voltage (without VSC)

Switch condition	Tester connection	Specified condition
Brake pedal depressed	S1-14 (STP) - S1-1 (GND1)	10 to 14 V
Brake pedal released	S1-14 (STP) - S1-1 (GND1)	Below 1.5 V

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE