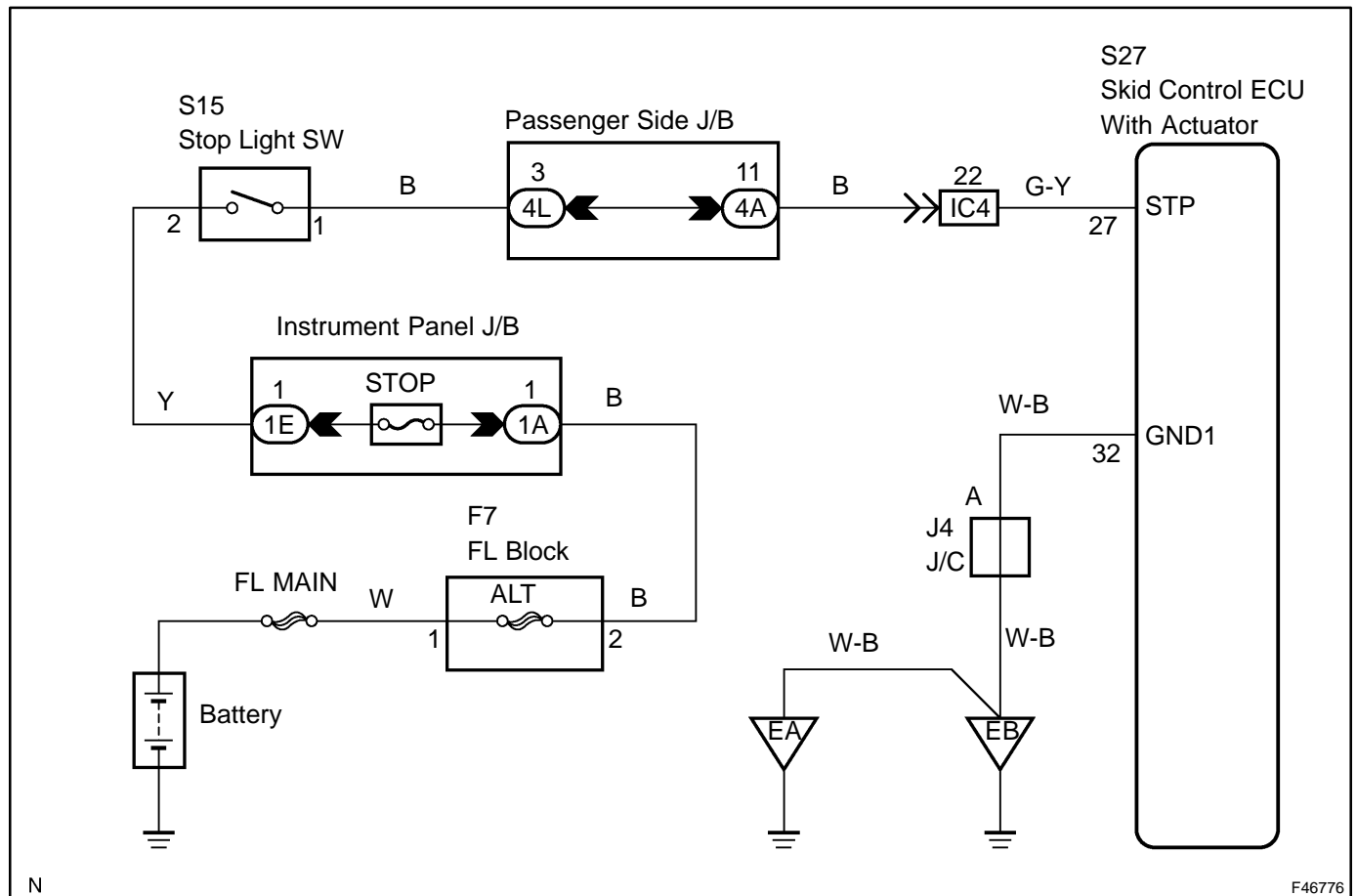


## STOP LAMP SWITCH CIRCUIT

## CIRCUIT DESCRIPTION

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

## WIRING DIAGRAM



## INSPECTION PROCEDURE

### 1 CHECK STOP LAMP SWITCH OPERATION

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

**OK:**

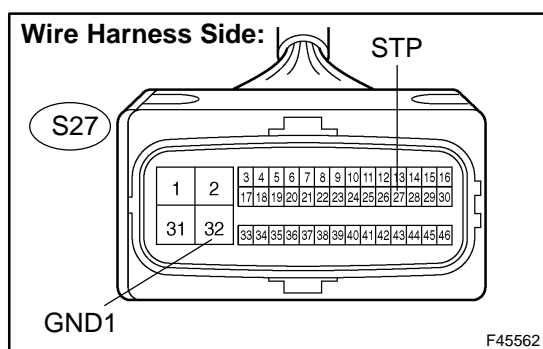
Stop lamp functions normally.

**NG**

Go to step 3

**OK**

### 2 CHECK HARNESS AND CONNECTOR(BRAKE ACTUATOR ASSY - STOP LAMP SWITCH ASSY) (SEE PAGE 01-36 )



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

**Standard:**

Switch condition	Tester connection	Specified condition
Brake pedal depressed	S27-27 (STP) - S27-32 (GND1)	10 to 14 V
Brake pedal released	S27-27 (STP) - S27-32 (GND1)	Below 1.5 V

**NG**

REPAIR OR REPLACE HARNESS OR CONNECTOR

**OK**

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE  
 (SEE PAGE 05-740 )

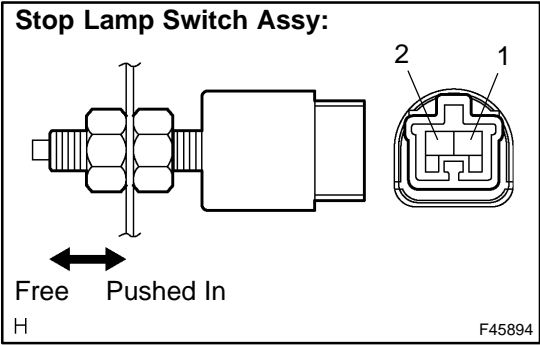
### 3 CHECK REAR COMBINATION LAMP ASSY LH

**NG**

REPLACE REAR COMBINATION LAMP ASSY LH

**OK**

4 INSPECT STOP LAMP SWITCH ASSY



- (a) Disconnect the stop lamp switch assy S15 connector.
- (b) Measure the resistance according to the value(s) in the table below.

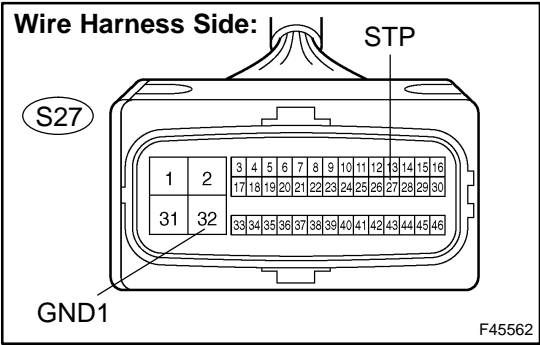
Standard:

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(BRAKE ACTUATOR ASSY - STOP LAMP SWITCH ASSY) (SEE PAGE 01-36 )



- (a) Connect the stop lamp switch assy S15 connector.
- (b) Disconnect the brake actuator assy connector.
- (c) Measure the voltage according to the value(s) in the table below.

Standard:

Switch condition	Tester connection	Specified condition
Brake pedal depressed	S27-27 (STP) - S27-32 (GND1)	10 to 14 V
Brake pedal released	S27-27 (STP) - S27-32 (GND1)	Below 1.5 V

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE (SEE PAGE 05-740 )