

DTC	C1782/82	Stop Light Switch Circuit
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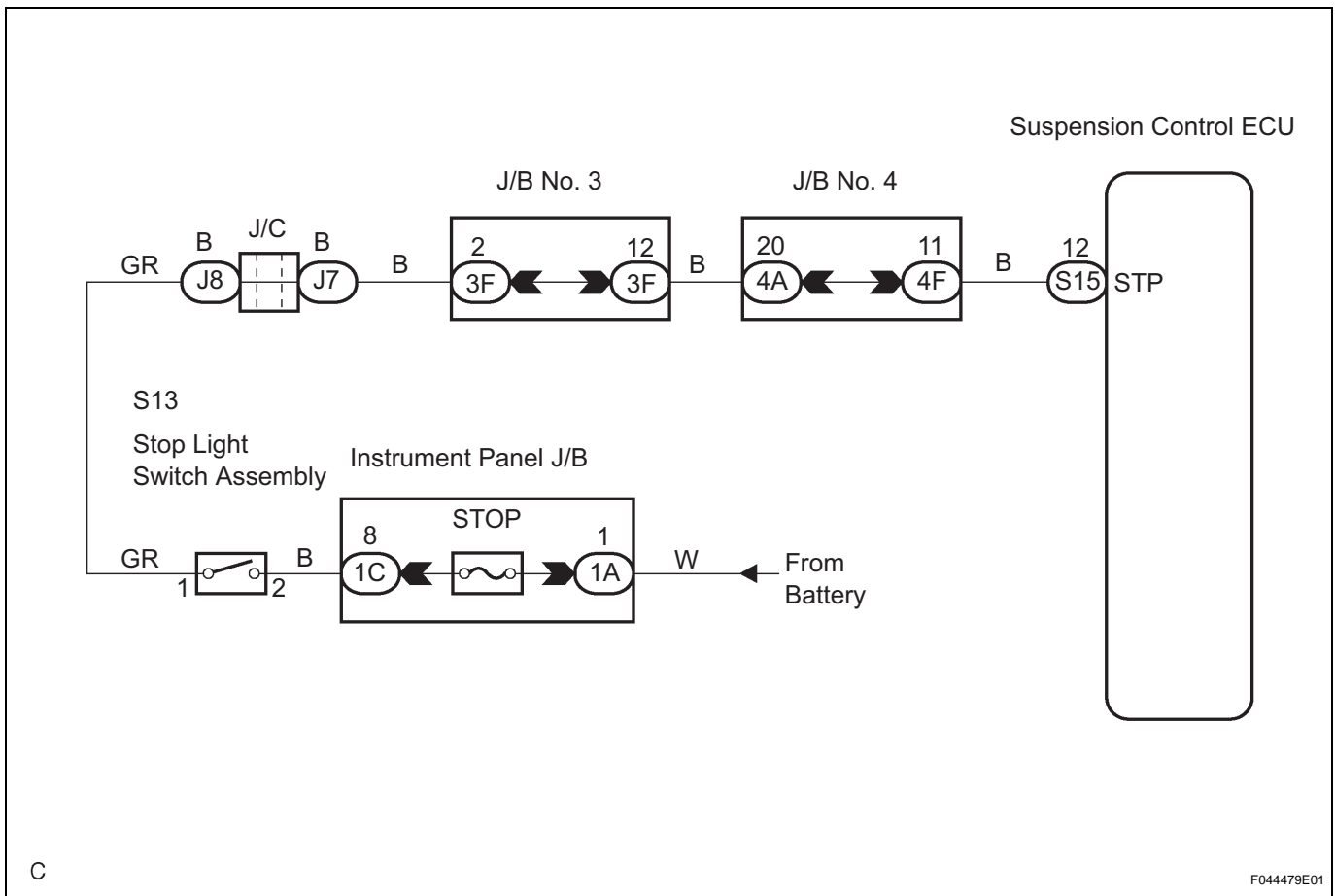
DESCRIPTION

When the brake pedal is depressed, the stop lights come on and the signal is sent to the STP terminal of suspension control ECU.

When inspecting by test mode, the suspension control ECU scans changes to the signals. If there is no change, it outputs the test DTC (C1782/82).

DTC No.	DTC Detecting Condition	Trouble Area
C1782/82	The signal from the stop light switch assembly does not change.	<ul style="list-style-type: none"> • Stop light switch assembly • Stop light switch circuit • Suspension control ECU

WIRING DIAGRAM



1	CHECK STOP LIGHT SWITCH OPERATION
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SC

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

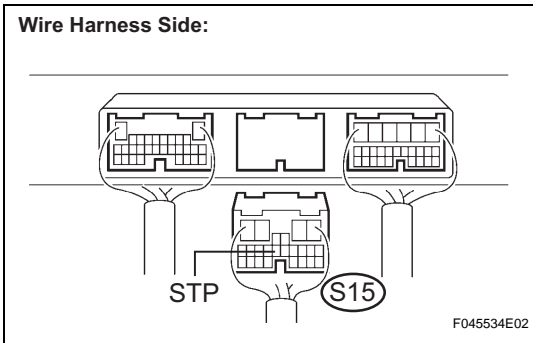
OK:

Stop light switch functions normally.

NG	Go to step 3
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OK

2 INSPECT SUSPENSION CONTROL ECU



- (a) Disconnect the suspension control ECU S15 connector.
- (b) Measure the voltage according to the values in the table below.

Voltage

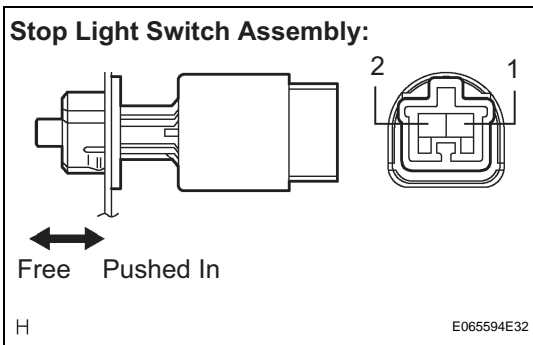
Switch Condition	Tester Connection	Specified Condition
Brake pedal depressed	S15-12 (STP) - Body ground	10 to 14 V
Brake pedal released	S15-12 (STP) - Body ground	Below 1.5 V

NG → Go to step ****

OK

REPLACE SUSPENSION CONTROL ECU

3 INSPECT STOP LIGHT SWITCH ASSEMBLY



- (a) Disconnect the stop light switch assembly connector.
- (b) Measure the voltage according to the values in the table below.

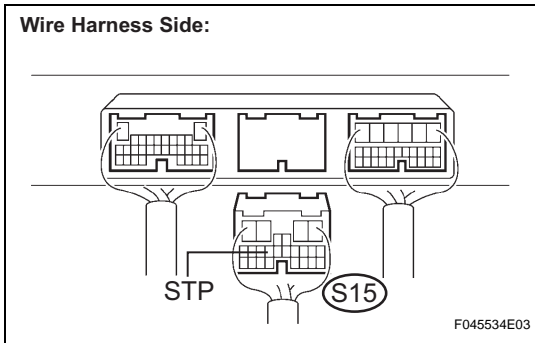
Resistance

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 LIGHT SWITCH ASSEMBLY

OK

4 INSPECT SUSPENSION CONTROL ECU



- (a) Disconnect the suspension control ECU S15 connector.
- (b) Measure the voltage according to the values in the table below.

Voltage

Switch Condition	Tester Connection	Specified Condition
Brake pedal depressed	S15-12 (STP) - Body ground	10 to 14 V
Brake pedal released	S15-12 (STP) - Body ground	Below 1.5 V

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE SUSPENSION CONTROL ECU