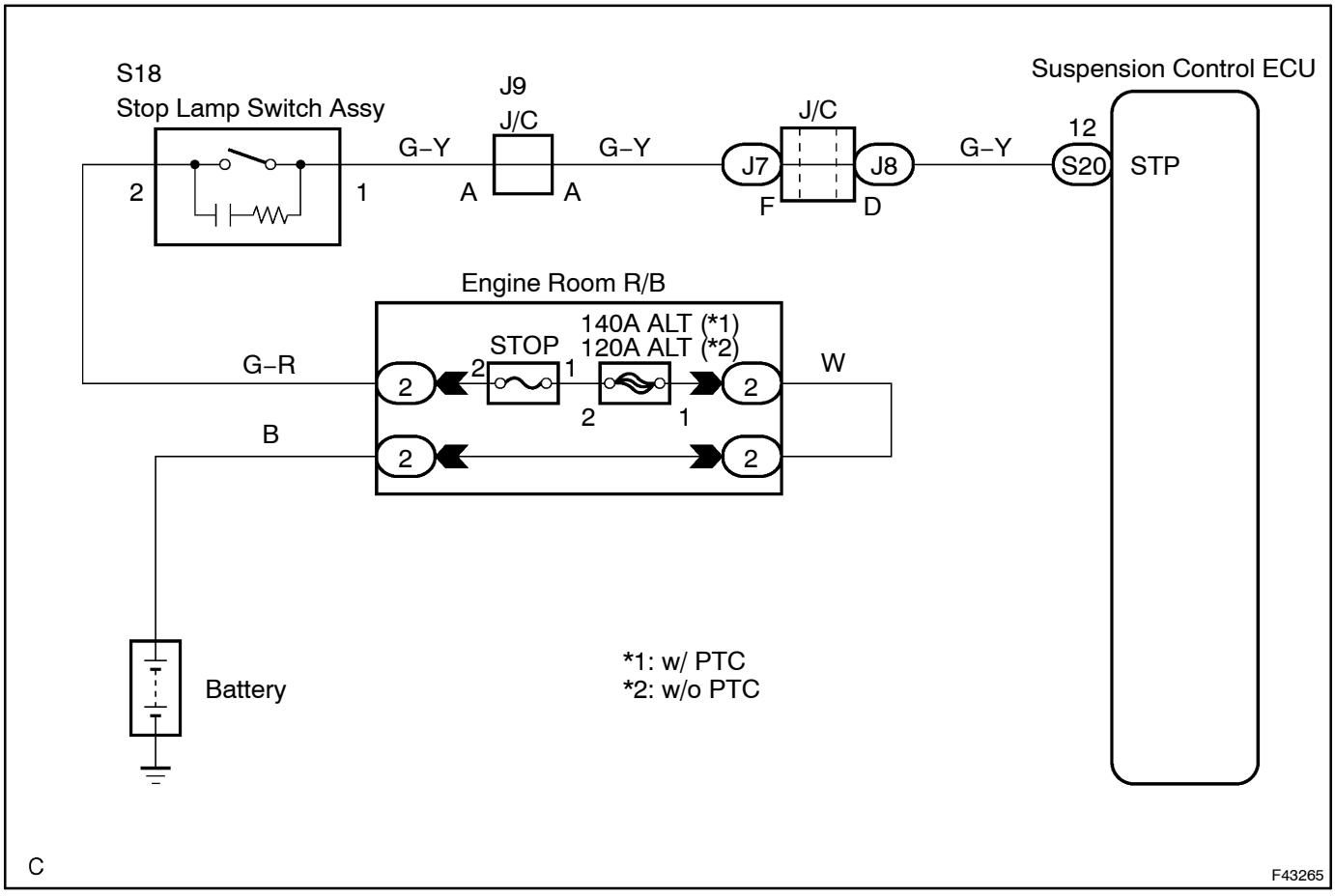
DTC C1782/82 STOP LIGHT SWITCH CIRCUIT

CIRCUIT DESCRIPTION

When the brake pedal is depressed, the stop lamp comes on and the signal is input to the STP terminal of suspension control ECU.

DTC No.	DTC Detecting Condition	Trouble Area
C1782/82	The signal from the stop lamp switch assy does not change.	• Stop lamp switch assy • Stop light switch circuit • Suspension control ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

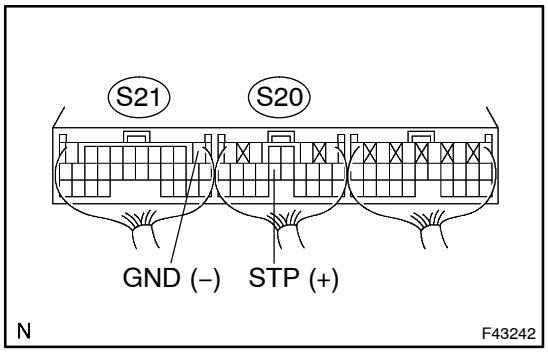
1 INSPECT STOP LAMP

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

NG → **Go to step 3**

OK

2 INSPECT SUSPENSION CONTROL ECU



(a) Remove the suspension control ECU with connectors being connected.
(b) Measure voltage between terminal S20–12 (STP) and S21–1 (GND) of the suspension control ECU when stop lamp switch assy switch is ON and OFF.

Standard:

Switch condition	Voltage
ON	10 – 14 V
OFF	Below 1.5 V

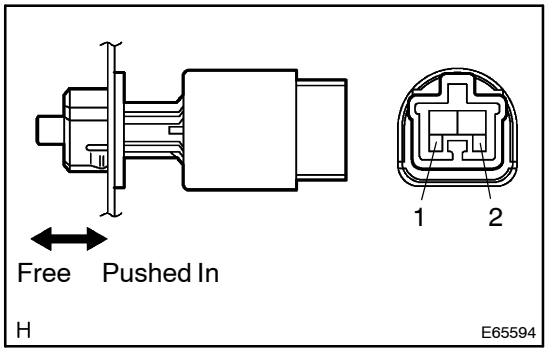
HINT:
NG:
Repair or replace the harness or the connector between the stop lamp switch assy and the suspension control ECU.

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

OK

CHECK AND REPLACE SUSPENSION CONTROL ECU (See page 01–36)

3 INSPECT STOP LAMP SWITCH ASSY



(a) Disconnect the stop lamp switch assy connector.
(b) Check continuity between terminal 1 and 2 of the stop lamp switch assy.

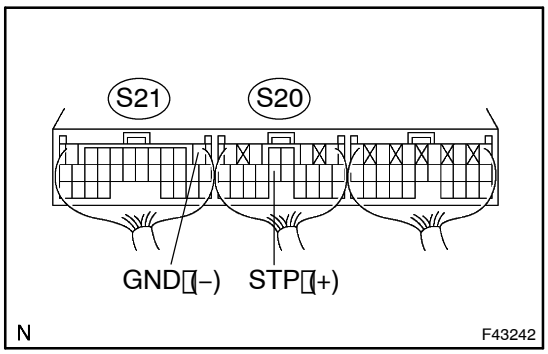
Standard:

Switch condition	Tester connection	Specification
Switch pin free	1 – 2	No continuity
Switch pin pushed in	1 – 2	Continuity

NG → **REPLACE STOP LAMP SWITCH ASSY**

OK

4	INSPECT SUSPENSION CONTROL ECU



(a) Remove the suspension control ECU with connectors being connected.

(b) Measure voltage between terminal S20–12 (STP) and S21–1 (GND) of the suspension control ECU when stop lamp switch assy switch pin is free and pushed in.

Standard:

Switch condition	Voltage
Switch pin free	10 – 14 V
Switch pin pushed in	Below 1.5 V

HINT:

NG:

Repair or replace the harness or the connector between the STOP fuse and the suspension control ECU.

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

OK

CHECK AND REPLACE SUSPENSION CONTROL ECU (See page 01–36)