

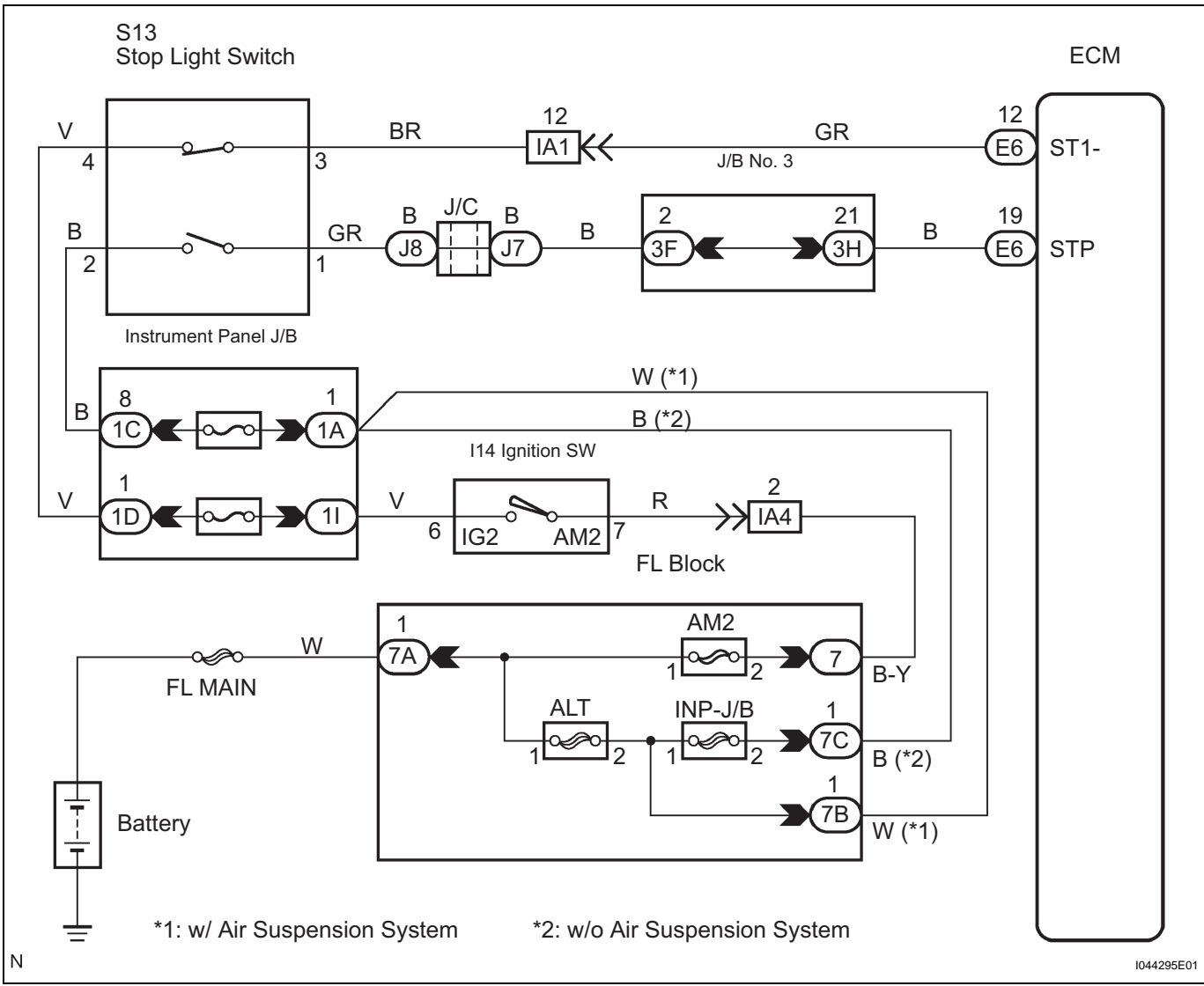
DTC	P0571	Brake Switch "A" Circuit
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DESCRIPTION

When the brake pedal is depressed, the stop light switch sends a signal to the ECM. When the ECM receives this signal, it cancels the cruise control. The fail-safe function operates to enable normal driving even if there is a malfunction in the stop light signal circuit. The cancellation condition occurs when voltage is applied to terminal STP. When the brake is applied, voltage is normally applied to terminal STP of the ECM through the STOP SW fuse and the stop light switch, and the ECM turns the cruise control off.

DTC No.	DTC Detection Condition	Trouble Area
P0571	<ul style="list-style-type: none"> The malfunction code is output when the voltage of the STP terminal and that of the ST1- terminal on the ECM are less than 1 V for 0.5 sec. or more When the following conditions are realized, a malfunction is detected. <ol style="list-style-type: none"> (a) The STP terminal voltage is less than 1 V. (b) The ST1- terminal voltage is less than 1 V. (c) For more than 0.5 sec. or more. 	<ul style="list-style-type: none"> Stop light switch Stop light switch circuit ECM

CC **WIRING DIAGRAM**



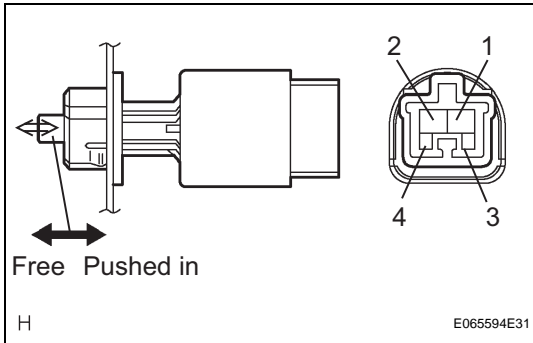
1 CHECK STOP LIGHT SWITCH OPERATION

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

NG INSPECT STOP LIGHT SWITCH CIRCUIT (STOP LIGHT - STOP LIGHT SWITCH)

OK

2 INSPECT STOP LIGHT SWITCH ASSEMBLY



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

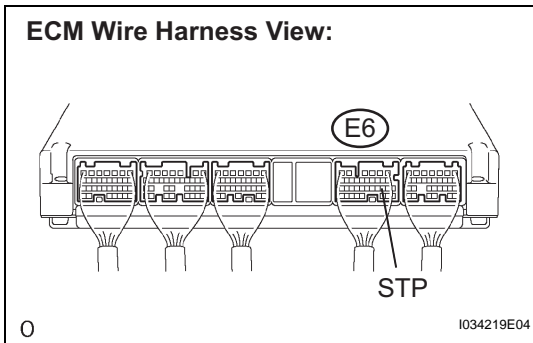
Resistance

Switch condition	Tester connection	Specified value
Switch pin free	1 - 2	Below 1 Ω
	3 - 4	10 kΩ or higher
Switch pin pushed in	1 - 2	10 kΩ or higher
	3 - 4	Below 1 Ω

OK

NG REPLACE STOP LIGHT SWITCH ASSEMBLY

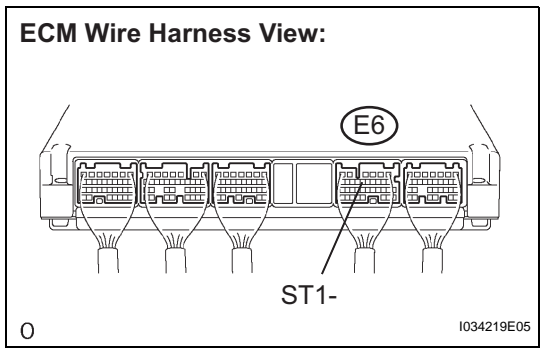
3 INSPECT ECM



- (a) Remove the ECM with the connector.
- (b) Turn the ignition switch to the ON position.
- (c) Measure the voltage between terminal STP (E6-19) of the ECM connector and body ground according to the values in the table below.

Standard voltage

Condition	Specified value
Brake pedal is depressed	10 to 14 V
Brake pedal is released	Below 1 V



(d) Measure the voltage between terminal ST1- (E6-19) of the ECM connector and body ground according to the values in the table below.

Standard voltage

Condition	Specified value
Brake pedal is depressed	Below 1 V
Brake pedal is released	10 to 14 V

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

OK

REPLACE ECM