

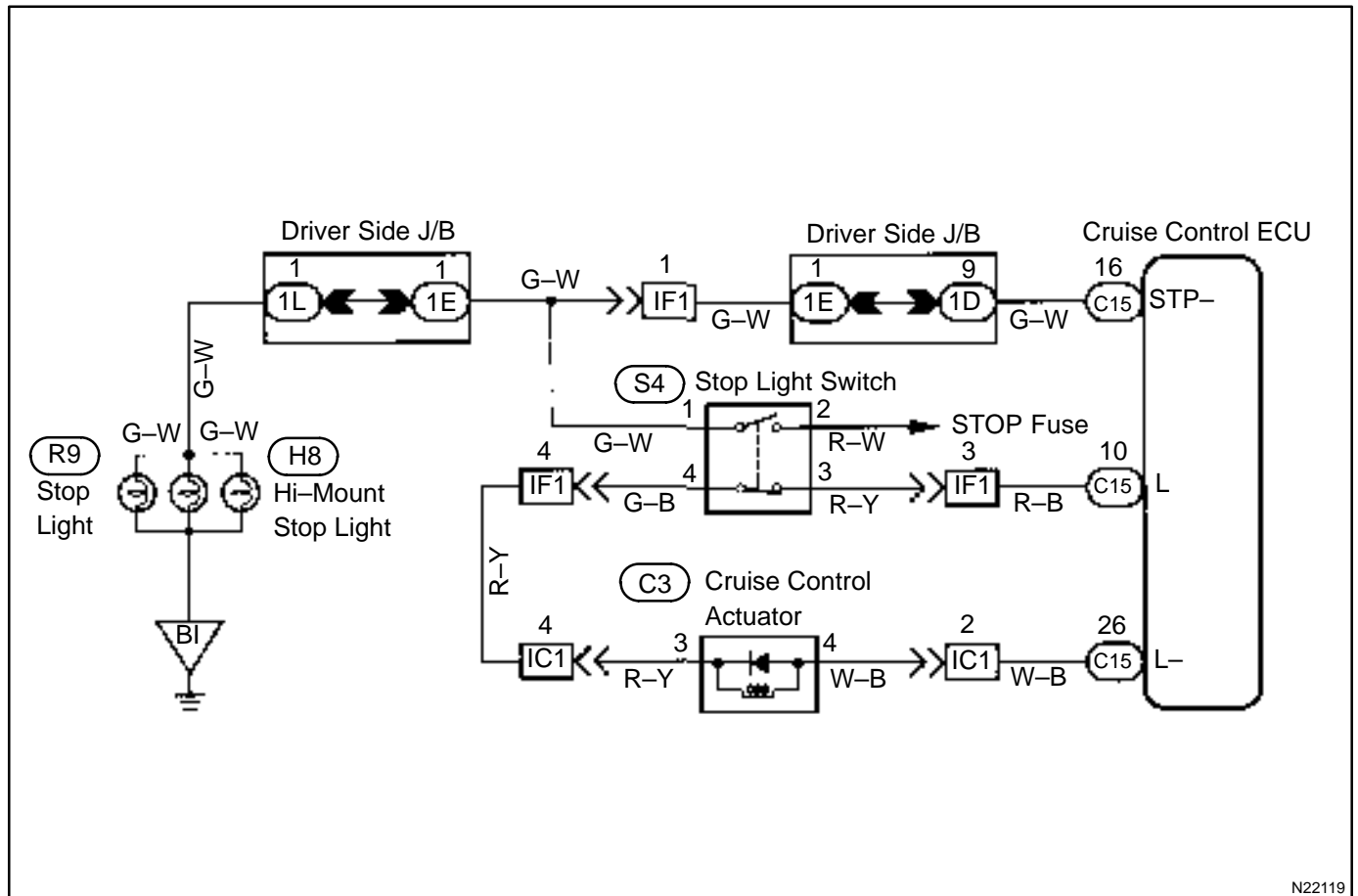
DI-301**Stop Light Switch Circuit****CIRCUIT DESCRIPTION**

When the brake is on, battery positive voltage normally applies through the stop fuse and stop switch to terminal STP- of the ECU, and the ECU turns the cruise control off.

A fail-safe function is provided so that cancel functions normally, even if there is a malfunction in the stop light signal circuit.

If the harness connected to terminal STP- has an open, terminal STP- will have battery positive voltage and the cruise control will be turned off, also SET not occurring.

Also, when the brake is on, the magnetic clutch is cut mechanically by the stop light switch, turning the cruise control off. (See page DI-312 for operation of the magnetic clutch)

WIRING DIAGRAM

N22119

INSPECTION PROCEDURE

1	Check operation of stop light.
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CHECK:

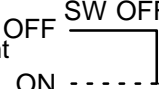
Check that stop light comes on when brake pedal is depressed, and turns off when brake pedal is released.

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Check stop light circuit.

OK

2	Input signal check.
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Input Signal	Indicator Light Blinking Pattern
Stop Light switch ON	<div style="display: flex; align-items: center;"> <div style="text-align: center; margin-right: 10px;"> OFF Light ON </div> <div style="border: 1px solid black; padding: 5px;"> SW OFF  SW ON </div> </div>

CHECK:

- (a) See input signal check on page [DI-301](#).
- (b) Check the indicator light when the brake pedal is depressed.

OK:

The indicator light goes off when the brake pedal is depressed.

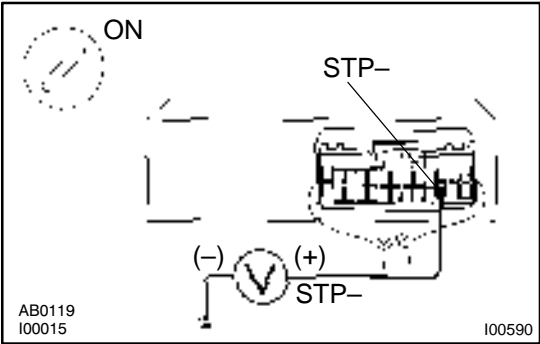
OK

Proceed to next circuit inspection shown on matrix chart (See page [DI-308](#)).

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3

Check voltage between terminal STP– of ECU connector and body ground.



PREPARATION:

Remove ECU with connectors still connected.

CHECK:

- (a) Turn ignition switch ON.
- (b) Measure voltage between terminal STP– of ECU connector and body ground, when the brake pedal is depressed and released.

OK:

	STP–
Depressed	10 – 14 V
Released	Below 1 V

OK

Proceed to next circuit inspection shown on matrix chart (See page [DI-308](#)).

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4

Check for open in harness and connectors between terminal STP– of ECU and stop light switch (See page [IN-27](#)).

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Repair or replace harness or connector.

OK

Check and replace ECU (See page [IN-27](#)).