

## Stop Light Switch Circuit

### — CIRCUIT DESCRIPTION —

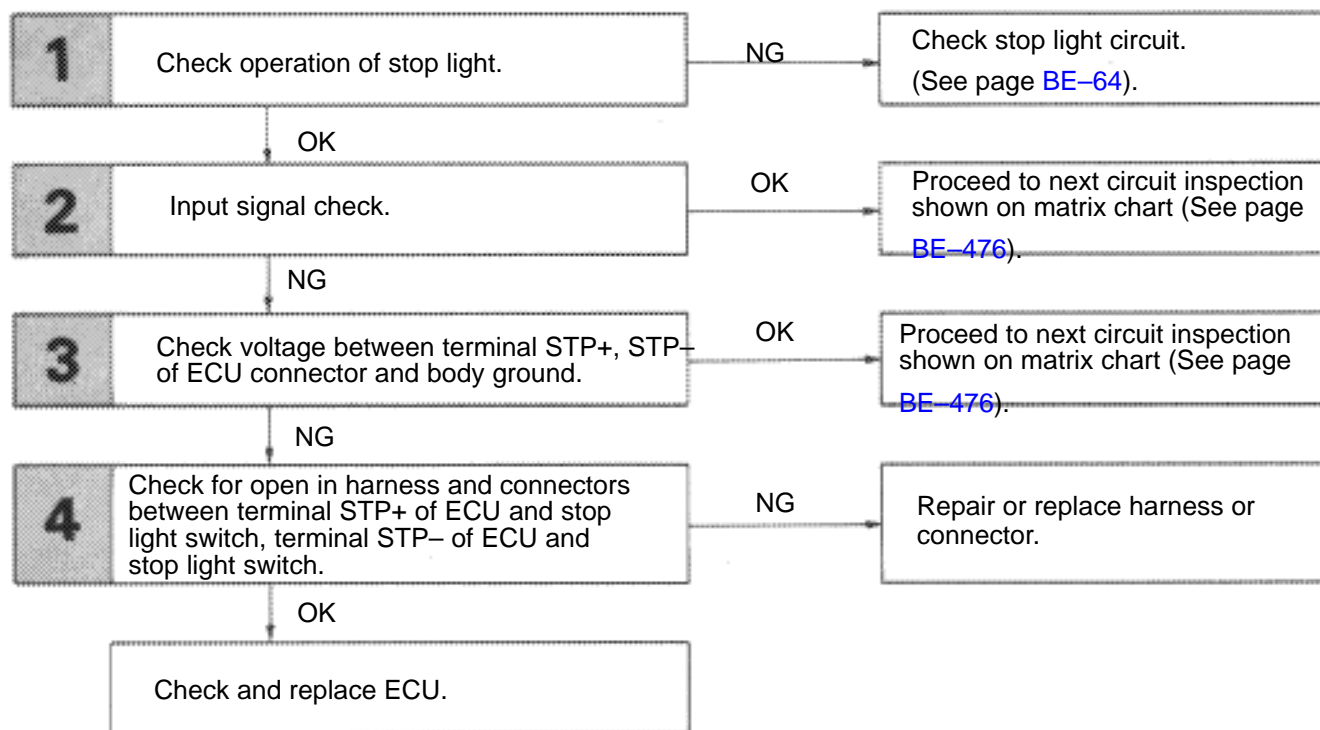
When the brake is on, battery voltage normally applies through the stop fuse and stop switch to terminal STP– of the ECU, and the ECU turns the cruise control off.

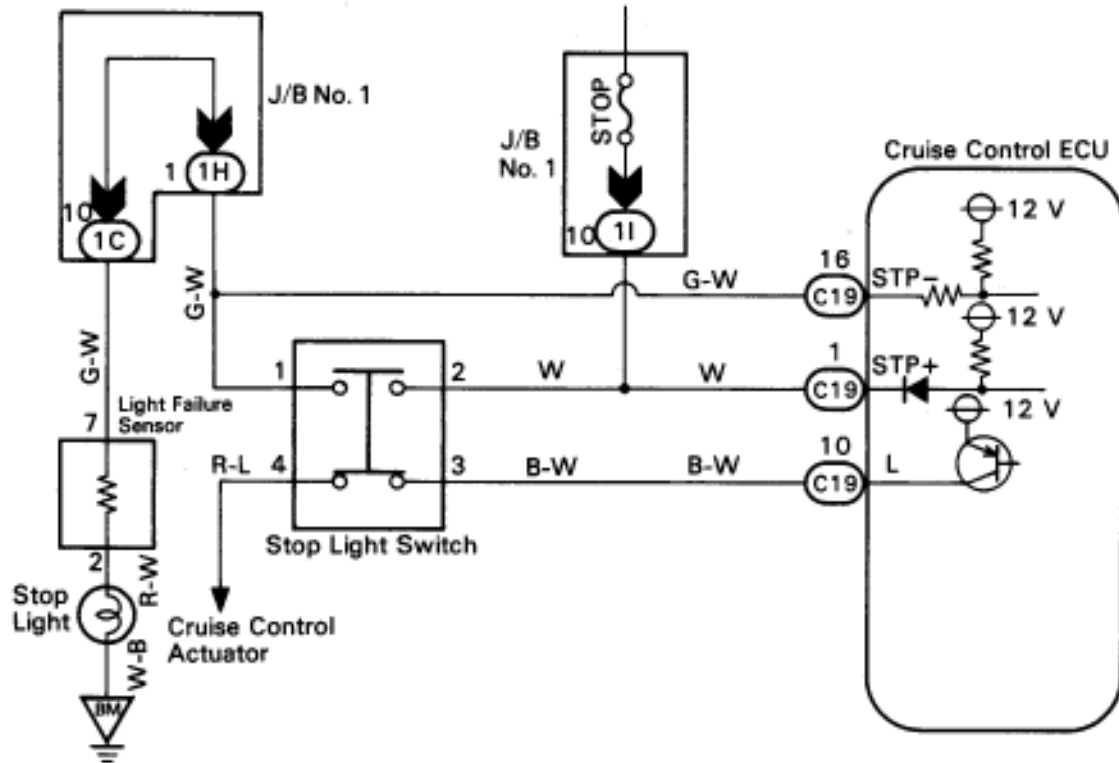
A fail-safe function is provided so that the cancel functions normally, even if there is a malfunction in the stop light signal circuit.

- (1) If the harness connected to terminal STP– has and open, terminal STP– will have battery voltage and the cruise control will be turned off, also SET not occurring.
- (2) If the stop fuse is open, terminal STP+ becomes approx. 0 V when the brake is turned on, so the ECU performs cancel function normally.

Also, when the brake is on, the safety magnet clutch circuit is cut mechanically by the stop light switch, turning the cruise control off. (See page [BE-486](#) for operation of the magnet clutch.)

### — DIAGNOSTIC CHART —



**WIRING DIAGRAM**

BE6575

## INSPECTION PROCEDURE

### 1 Check operation of stop light.

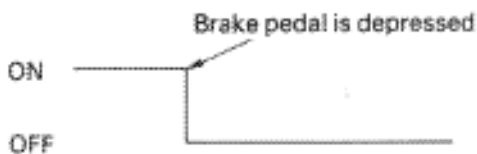
- C** Check that stop light comes on when brake pedal is depressed, and turns off when brake pedal is released.

**OK**

**NG**

Check stop light circuit (See page [BE-64](#)).

### 2 Input signal check.



- C**
- (1) See input signal check on page [BE-470](#).
  - (2) Check the indicator light when the brake pedal is depressed.

**OK**

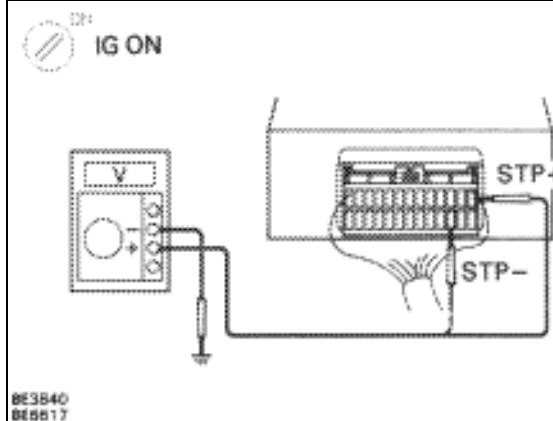
The indicator light goes off when the brake pedal is depressed.

**NG**

**OK**

Proceed to the next circuit inspection shown on matrix chart (See page [BE-476](#)).

### 3 Check voltage between terminal STP+, STP– of ECU connector and body ground.



- P** Remove ECU with connectors still connected.

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

**OK**

	STP+	STP–
Depressed	10 – 14 V	10 – 14 V
Released	10 – 14 V	Below 1 V

**NG**

**OK**

Proceed to next circuit inspection shown on matrix chart (See page [BE-476](#)).

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

**OK**

**NG**

Repair or replace harness or connector.

Check and replace ECU.