DTC		Stop Light Switch Signal Malfunction (Only for A/T)
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## **CIRCUIT DESCRIPTION**

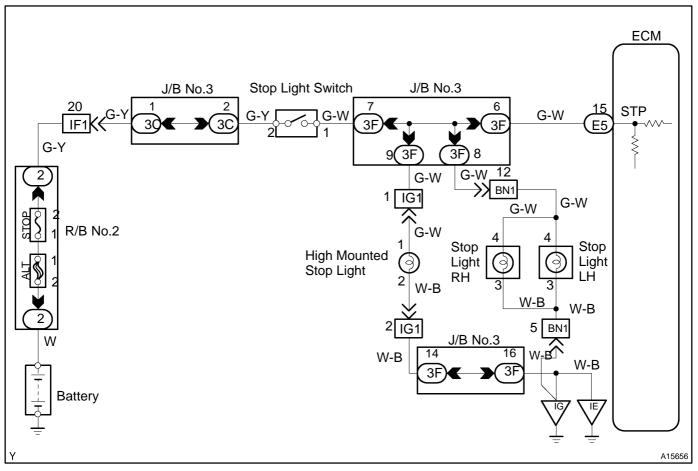
This signal is used to detect when the brakes have been applied. The STP signal voltage is the same as the voltage supplied to the stop lights. The STP signal is used mainly to control the fuel cutoff engine speed. (The fuel cutoff engine speed is reduced slightly when the vehicle is braking.)

DTC No.	DTC Detection Condition	Trouble Area
P1520	Stop light switch does not turn off even once vehicle is driven (2 trip detection logic)	<ul> <li>Short in stop light switch signal circuit</li> <li>Stop light switch</li> <li>ECM</li> </ul>

HINT:

In this circuit, diagnosis can only be made in the check mode.

## WIRING DIAGRAM



### **INSPECTION PROCEDURE**

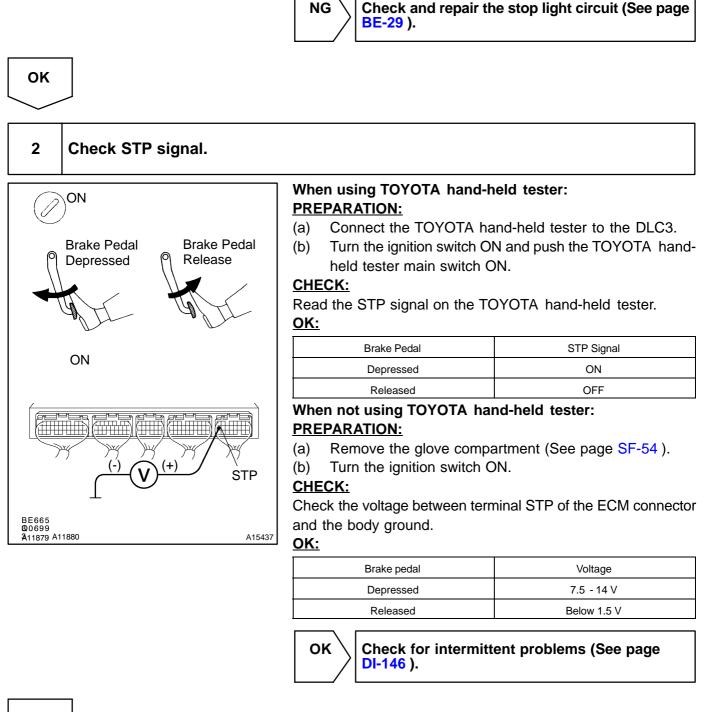
#### HINT:

Read freeze frame data using TOYOTA hand-held tester or OBD II scan tool, as freeze frame data records the engine conditions when a malfunction is detected. When troubleshooting, it is useful for determining whether the vehicle was running or stopped, the engine was warmed up or not, the air-fuel ratio was lean or rich, etc. at the time of the malfunction.



#### CHECK:

Check if stop lights come on and go off normally when the brake pedal is depressed and released.





3 Check harness and connector between stop light switch and ECM (See page IN-28).

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# NG

Repair or replace harness or connector.

Check and replace ECM (See page SF-54 ).