

DTC	P1520	Stop Light Switch Signal Malfunction
------------	--------------	---

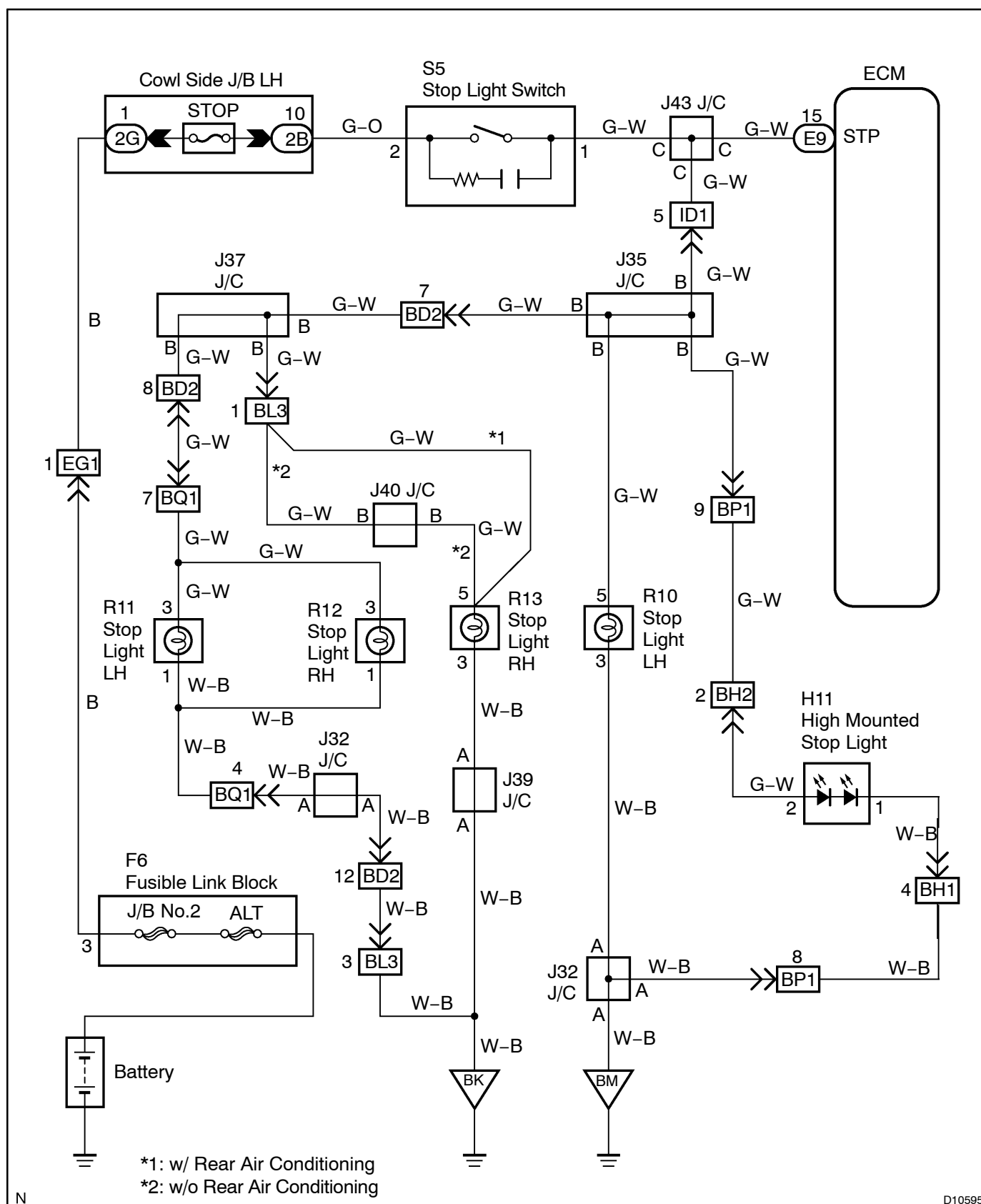
CIRCUIT DESCRIPTION

The purpose of this circuit is to prevent the engine from stalling, while driving in lock-up condition, when brakes are suddenly applied.

When the brake pedal is operated, this switch sends a signal to ECM. Then the ECM cancels operation of the lock-up clutch while braking is in progress.

DTC No.	DTC Detecting Condition	Trouble Area
P1520	The stop light switch does not turn off even once the vehicle is driven (2-trip detection logic)	• Short in stop light switch signal circuit • Stop light switch • ECM

WIRING DIAGRAM



INSPECTION PROCEDURE

1 Check operation of stop light.

CHECK:

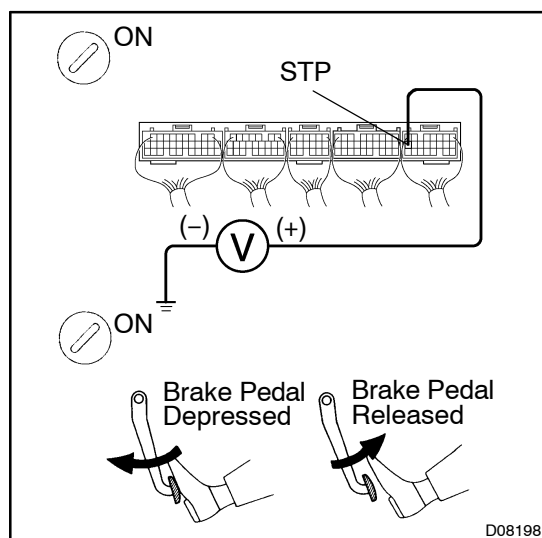
Check if the stop lights go on and off normally when the brake pedal is depressed and released.

NG

Check and repair stop light circuit.

OK

2 Check STP signal.



When using TOYOTA hand-held tester:

PREPARATION:

- Connect the TOYOTA hand-held tester to the DLC3.
- Turn the ignition switch ON and TOYOTA hand-held tester main switch ON.

CHECK:

Read the STP signal on the TOYOTA hand-held tester.

OK:

Brake pedal is depressed: STP ON

Brake pedal is released: STP OFF

When not using TOYOTA hand-held tester:

PREPARATION:

Turn the ignition switch ON.

CHECK:

Check voltage between terminal STP of ECM and body ground.

OK:

Brake pedal	Voltage
Depressed	7.5 ~ 14 V
Released	Below 1.5 V

OK

Check for intermittent problems
(See page [DI-3](#)).

NG

3	Check harness and connector between ECM and stop light switch (See page IN-34).
---	--

NG**Repair or replace harness or connector.****OK****Check and replace ECM (See page [IN-34](#)).**