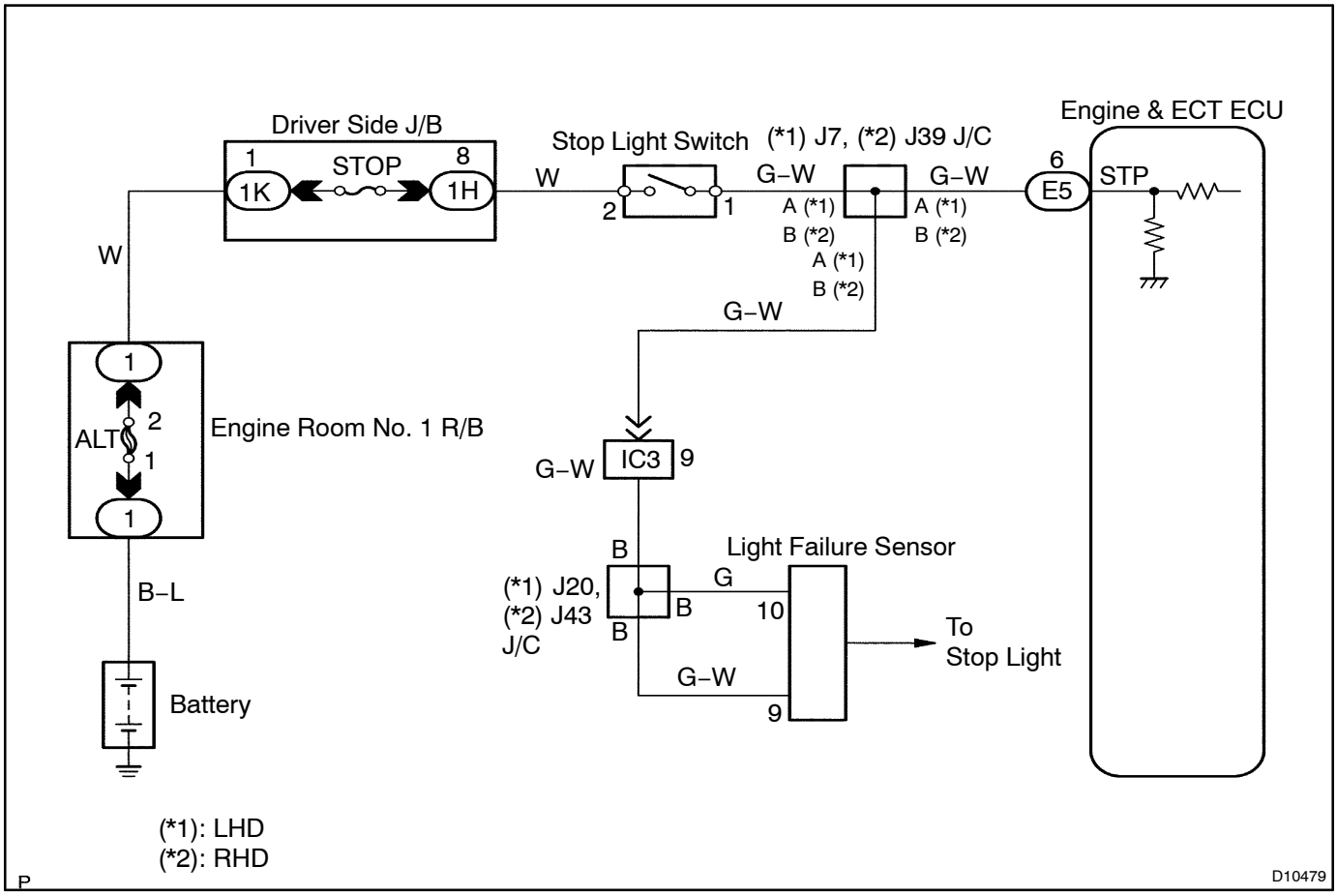
DI0I7–15

Stop Light Switch Signal Malfunction

CIRCUIT DESCRIPTION

The object 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 Engine & ECT ECU. Then the Engine & ECT ECU cancels operation of the lock–up clutch while braking is in progress.

WIRING DIAGRAM



INSPECTION PROCEDURE

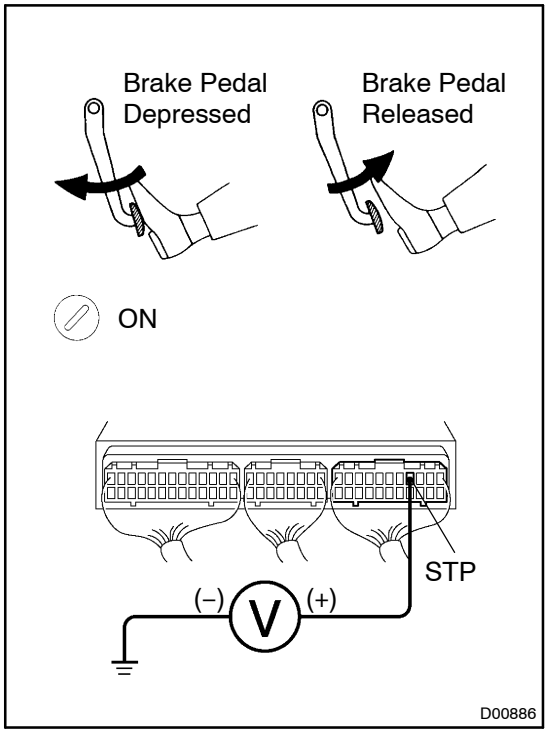
1	**Check operation of stop light.**

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

NG → **Check and repair stop light circuit.**

OK

2	**Check STP signal.**



When using hand–held tester:

PREPARATION:

(a) Connect the hand–held tester to the DLC3.

(b) Turn the ignition switch ON and turn the hand–held tester main switch ON.

CHECK:

Read the STP signal on the hand–held tester.

OK:

Brake pedal is depressed: STP....ON
Brake pedal is released: STP....OFF

When not using hand –held tester:

PREPARATION:

Turn the ignition switch ON.

CHECK:

Check voltage between terminal STP of Engine & ECT ECU and body ground.

OK:

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

OK → **Proceed to next circuit inspection shown on problem symptoms table (See page DI–240).**

NG

3	**Check harness and connector between Engine & ECT ECU and stop light switch (See page IN–30).**

NG → **Repair or replace harness or connector.**

OK

Check and replace Engine & ECT ECU (See page IN–30).