DIA9S–02

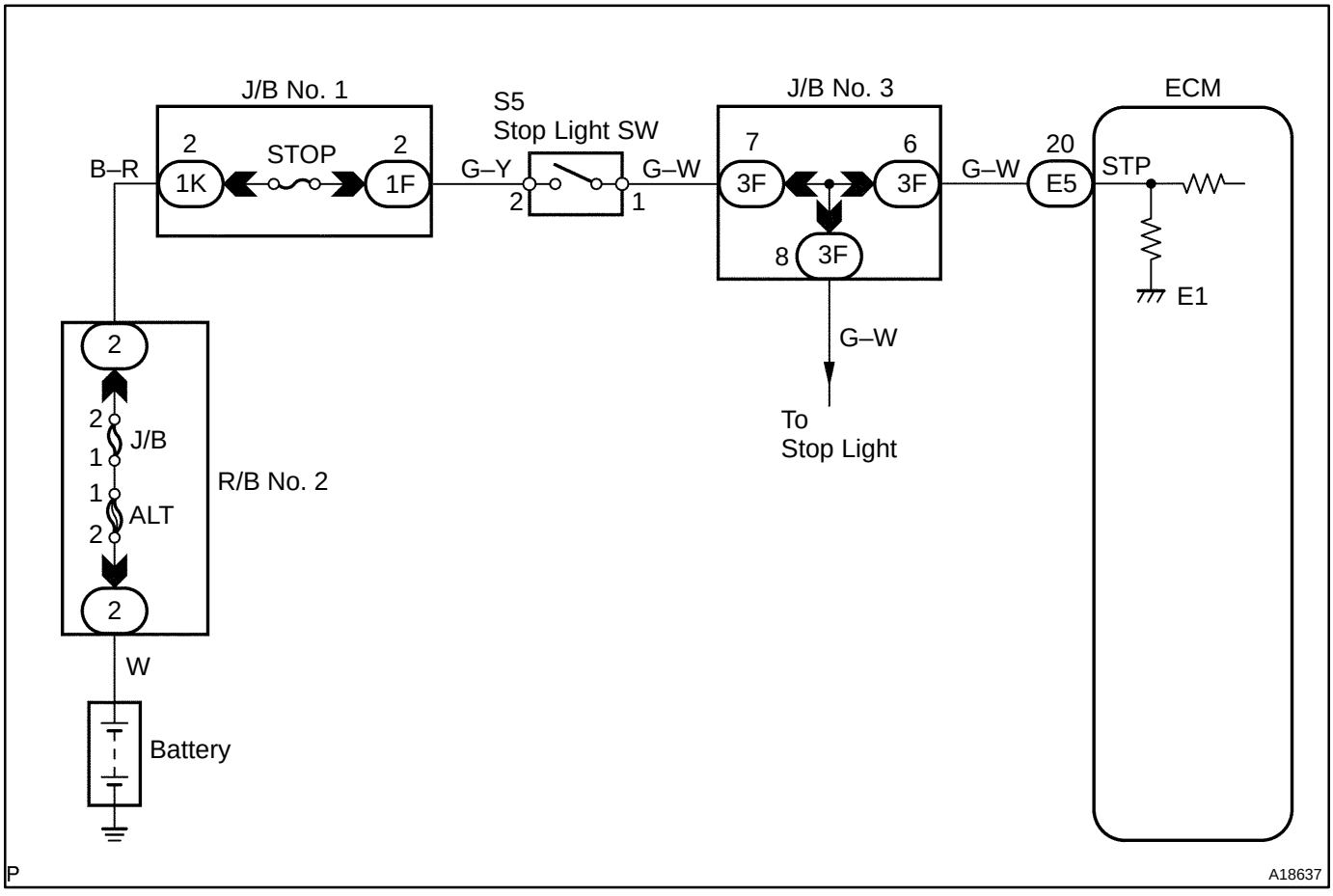
DTC	P0724	Brake Switch ”B” Circuit High

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 cut–off engine speed. (The fuel cut–off engine speed is reduced slightly when the vehicle is braking.)

DTC No.	DTC Detection Condition	Trouble Area
P0724	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

HINT:

Read freeze frame data using the hand–held tester or the 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.

1	**Check operation of stop light.**

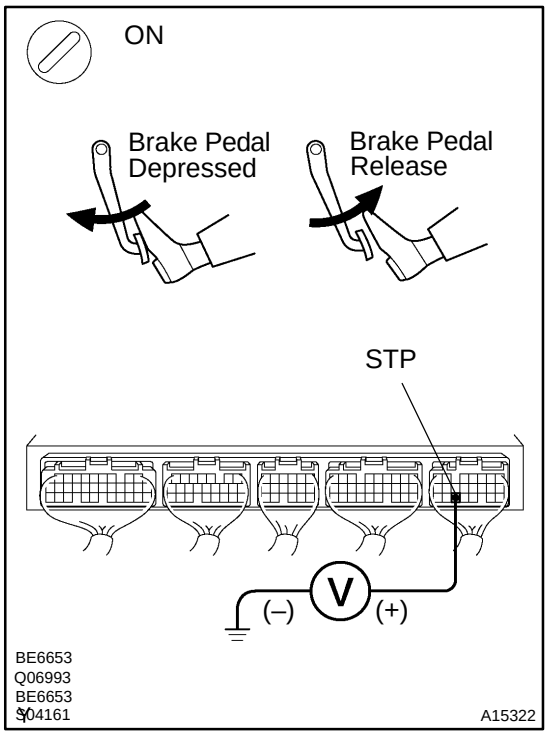
CHECK:

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 and stop light switch (See page BE–29).**

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 push the hand–held tester main switch ON.

CHECK:

Read the STP signal on the hand–held tester.

OK:

Brake Pedal	STP Signal
Depressed	ON
Release	OFF

When not using Hand–held tester:

PREPARATION:

(a) Remove the glove compartment (See page SF–63).

(b) Turn the ignition switch ON.

CHECK:

Check the voltage between terminal STP of the ECM connector and body ground.

OK:

Brake Pedal	Voltage
Depressed	7.5 – 14 V
Release	Below 1.5 V

OK → **Check for intermittent problems (See page DI–218).**

NG

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

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

OK

Check and replace ECM (See page IN–28).