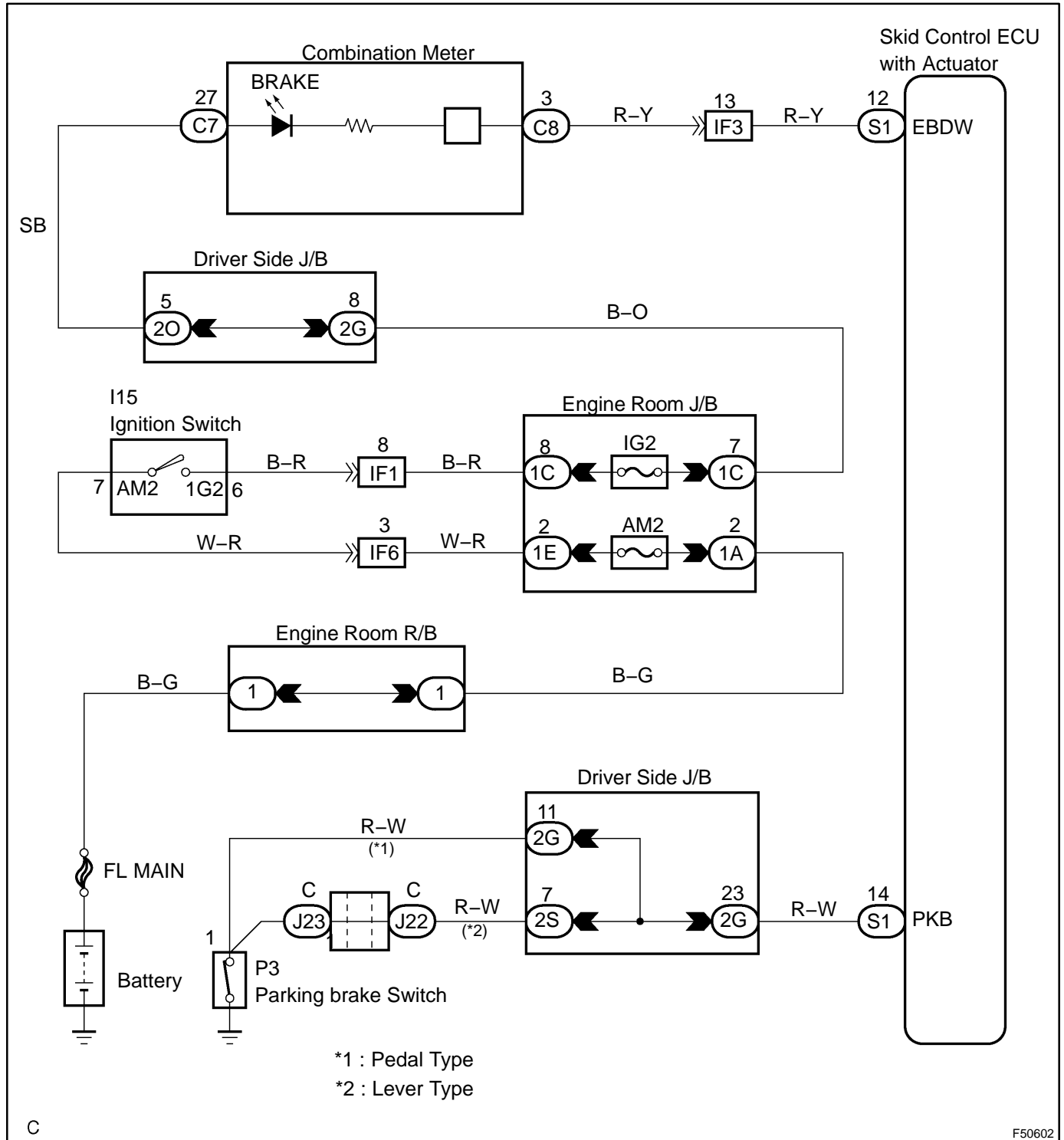


## BRAKE WARNING LIGHT CIRCUIT

### CIRCUIT DESCRIPTION

The brake warning light comes on when the brake fluid is insufficient, the parking brake is applied or the EBD is defective.

### WIRING DIAGRAM



## INSPECTION PROCEDURE

### 1 RECONFIRM DTC

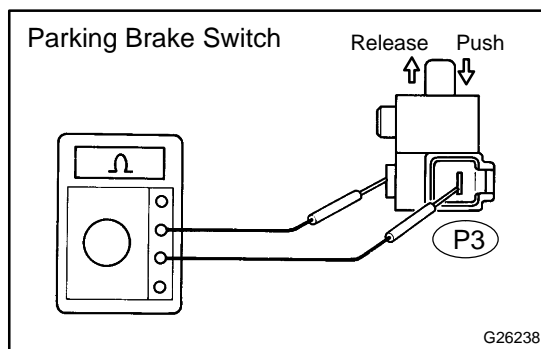
- Clear the DTCs (See page 05-873).
- Turn the ignition switch to the ON position.
- Are the same DTCs recorded? (See page 05-873).

NO

**REPAIR CIRCUIT INDICATED BY OUTPUT CODE**

YES

### 2 INSPECT PARKING BRAKE SWITCH



- Remove the parking brake switch.
- Measure the resistance according to the value(s) in the table below.

**Standard:**

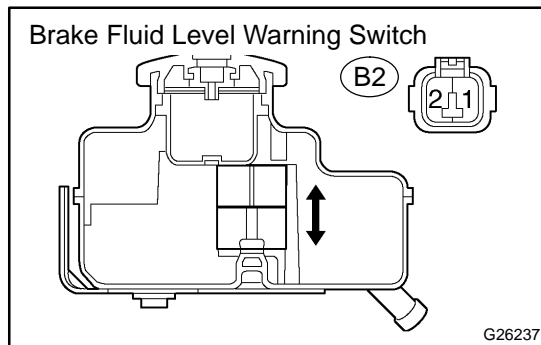
Tester Connection	Switch Condition	Specified Condition
P3-1 – Ground part	Released	Below 1 $\Omega$
P3-1 – Ground part	Pushed in	10 k $\Omega$ or higher

NG

**REPLACE PARKING BRAKE SWITCH**

OK

### 3 INSPECT BRAKE FLUID LEVEL WARNING SWITCH



- Remove the reservoir tank cap and strainer.
- Disconnect the brake fluid level warning switch connector B2.
- Measure the resistance according to the value(s) in the table below.

**Standard:**

Tester Connection	Switch Condition	Specified Condition
(B2-1) – (B1-2)	Float UP	More than 10 k $\Omega$
(B2-1) – (B1-2)	Float DOWN	Less than 1 $\Omega$

NG

**REPLACE BRAKE FLUID LEVEL WARNING SWITCH**

OK

**4 INSPECT COMBINATION METER ASSEMBLY(BRAKE WARNING LIGHT CIRCUIT)****WHEN USING HAND-HELD TESTER:**

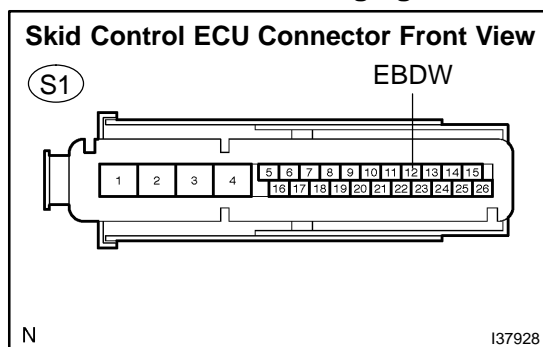
- Connect the hand-held tester to the DLC3.
- Start the engine.
- Select the item "BRAKE WARN LIGHT" in the ACTIVE TEST and operate the BRAKE warning light on the hand-held tester.

Item	Vehicle Condition / Test Details	Diagnostic Note
ABS WARN LIGHT	Turns ABS warning light ON / OFF	Observe combination meter

- Check that "ON" and "OFF" of the BRAKE warning light are shown on the combination meter with the hand-held tester.

**Standard:**

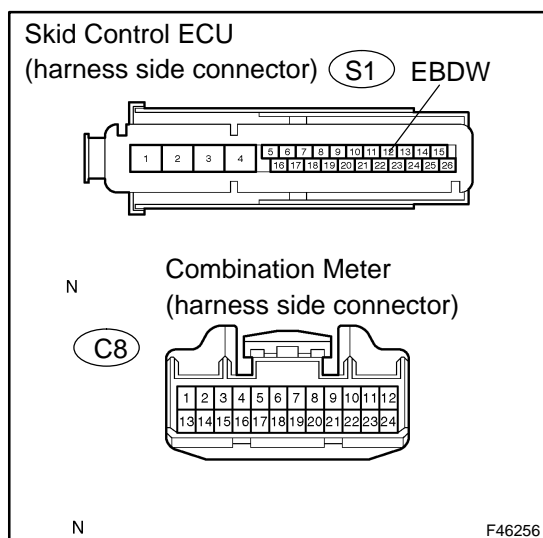
The BRAKE warning light is turned ON or OFF in accordance with the hand-held tester.

**WHEN NOT USING HAND-HELD TESTER:**

- Turn the ignition switch off and disconnect the connector from the skid control ECU.
- Ground terminal EBDW of the skid control ECU.
- Turn the ignition switch to the ON position.
- Check that the brake warning light goes off.

**Standard:**

The light is turned ON or OFF in accordance with the connection of terminals GND and EBDW.

**NG****REPAIR OR REPLACE COMBINATION METER ASSEMBLY****OK****5 CHECK HARNESS AND CONNECTOR(BRAKE ACTUATOR – COMBINATION METER)**

- Disconnect the skid control ECU connector S1 and the combination meter connector C8.
- Measure the resistance according to the value(s) in the table below.

**Standard:**

Tester Connection	Specified Condition
S1-12 (EBDW) – C8-3	Below 1 Ω

- Measure the resistance according to the value(s) in the table below.

**Standard:**

Tester Connection	Specified Condition
S1-12 (EBDW) – Body ground	10 kΩ or higher

**NG****REPAIR OR REPLACE HARNESS OR CONNECTOR****OK****REPLACE BRAKE ACTUATOR ASSY (See page 32-58)**