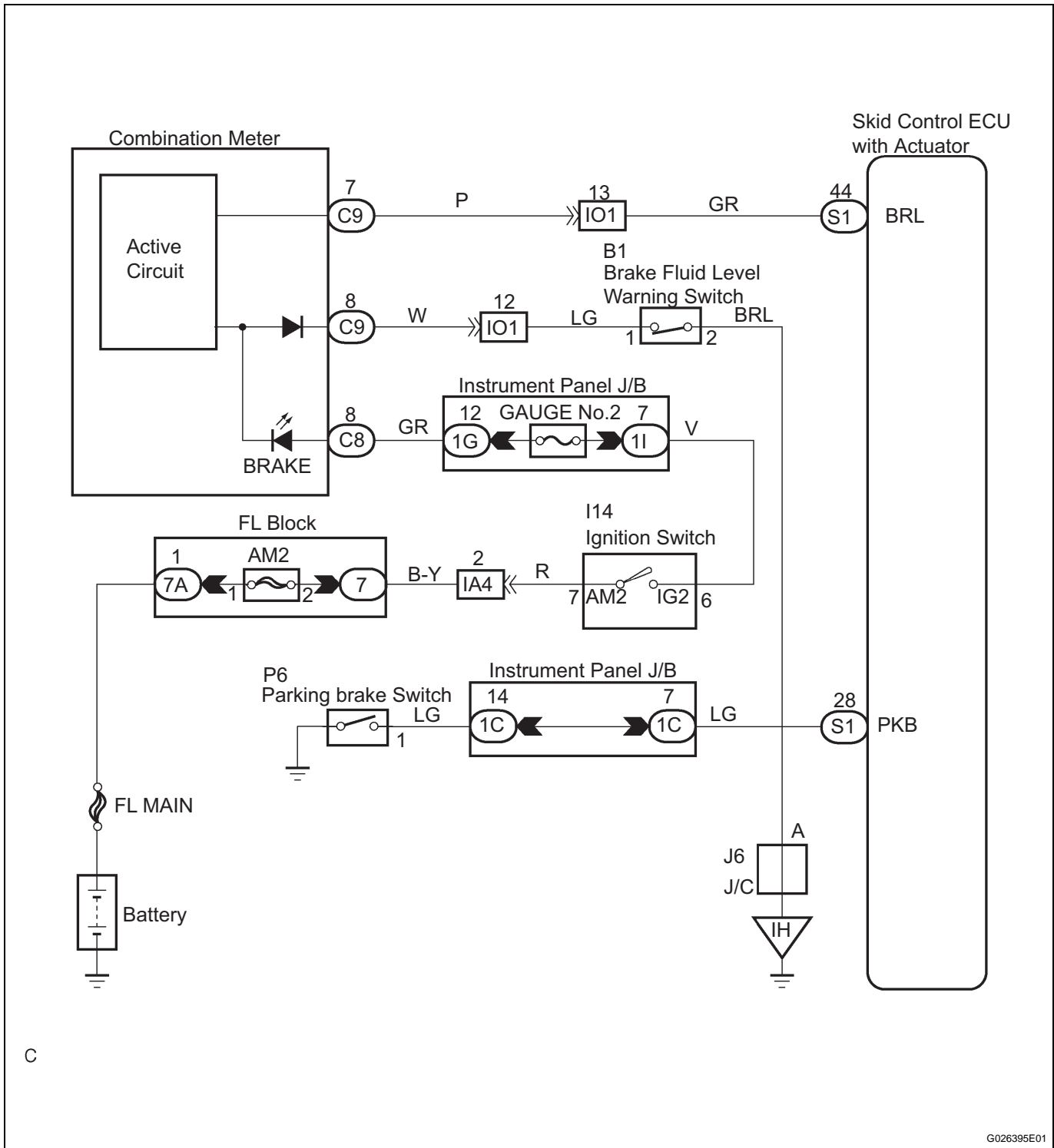


# Brake Warning Light Remains ON

## 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



C

HINT:

When releasing the parking brake, move the shift lever into the P position in an AT vehicle, and choke in an MT vehicle to hold the vehicle for safety.

**1 CHECK BRAKE FLUID**

(a) Check that the brake fluid level is proper.

**NG** → **ADD BRAKE FLUID**

**OK**

**2 CHECK DTC FOR ABS**

(a) Are the DTC recorded (See page BC-21).

**Result**

Result	Proceed to
DTC is output	A
DTC is not output	B

**B** → **Go to step 3**

**A**

**REPAIR CIRCUITS INDICATED BY OUTPUT DTCS**

**3 INSPECT BRAKE WARNING LIGHT**

- (a) WHEN USING INTELLIGENT TESTER:
- (1) Connect the intelligent tester to the DLC3.
  - (2) Start the engine.
  - (3) Select the item "BRAKE WARN LIGHT" in the ACTIVE TEST and operate the BRAKE warning light on the intelligent tester.

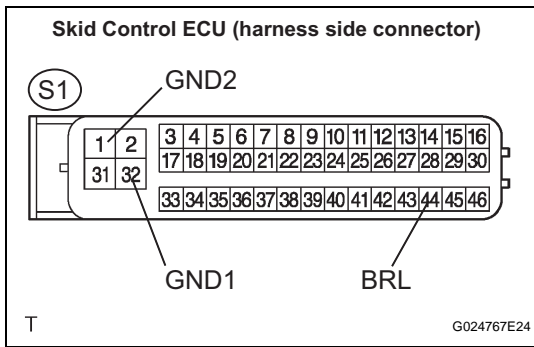
Item	Vehicle Condition / Test Details	Diagnostic Note
BRAKE WRN LIGHT	Turns BRAKE warning light ON / OFF	Observe combination meter

- (4) Check that "ON" and "OFF" of the BRAKE warning light are indicated on the combination meter when using the intelligent tester.

**OK:**

**Turn the BRAKE warning light on or off in accordance with the intelligent tester.**

- (b) WHEN NOT USING INTELLIGENT TESTER:
- (1) Turn the ignition switch off and disconnect the connector from the skid control ECU.



- (2) Ground terminal BRL of the skid control ECU.
- (3) Turn the ignition switch to the ON position.
- (4) Check that the brake warning light.

**OK:**

Turn the light on or off in accordance with the connection of terminal GND and BRL.

**NOTICE:**

When replacing the ABS actuator assembly, perform zero point calibration (See page BC-5).

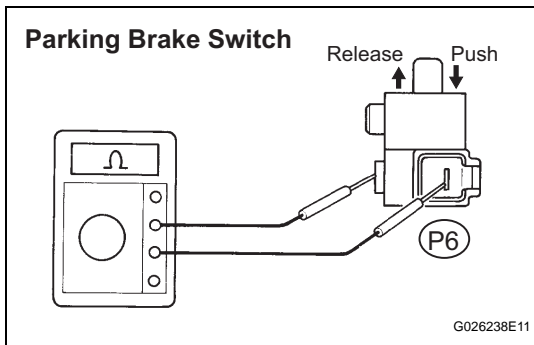
OK

NG

Go to step 4

**REPLACE ABS AND TRACTION ACTUATOR**

**4 INSPECT PARKING BRAKE SWITCH ASSEMBLY**



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

**Resistance**

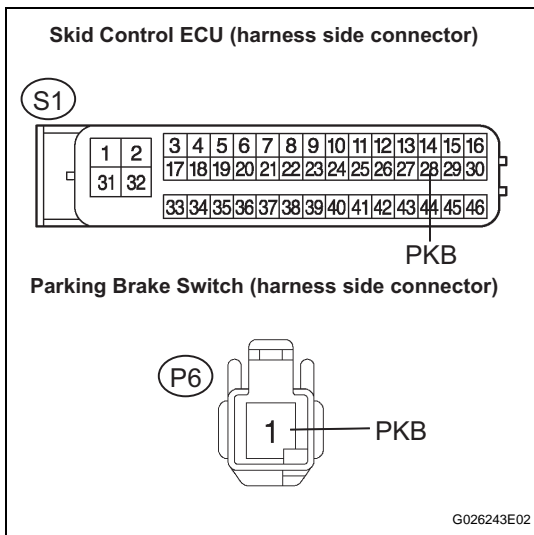
Tester Connection	Switch Condition	Specified Condition
P6-1 - Ground part	Released	Below 1 Ω
P6-1 - Ground part	Pushed in	10 kΩ or higher

OK

NG

REPLACE PARKING BRAKE SWITCH ASSEMBLY

**5 CHECK HARNESS AND CONNECTOR (SKI CONTROL ECU - PARKING BRAKE SWITCH)**



- (a) Disconnect the skid control ECU connector and the parking brake switch connector.
- (b) Measure the resistance according to the value(s) in the table below.

**Resistance**

Tester Connection	Specified Condition
S1-28 (PKB) - P6-1 (PKB)	Below 1 Ω

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

**Resistance**

Tester Connection	Specified Condition
S1-28 (PKB) - Body ground	10 kΩ or higher

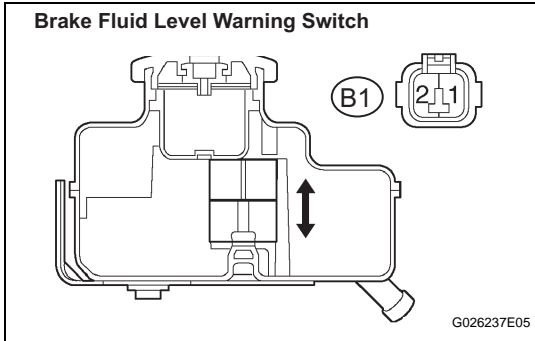
NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

**6 INSPECT BRAKE FLUID LEVEL WARNING SWITCH**

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



**Resistance**

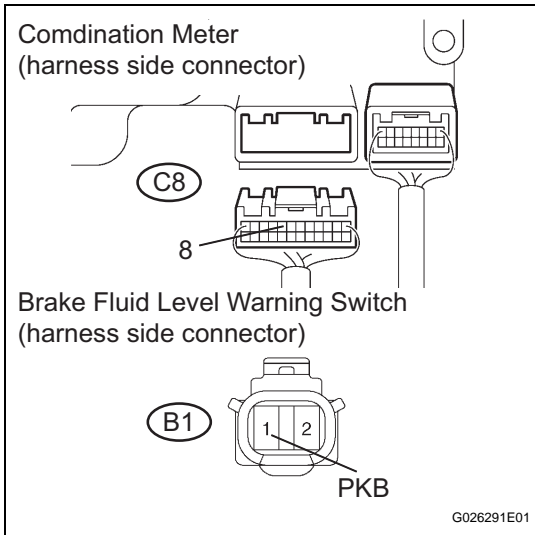
Tester Connection	Switch Condition	Specified Condition
(B1-1) - (B1-2)	Float UP	10 kΩ or higher
(B1-1) - (B1-2)	Float DOWN	Below 1 Ω

**NG** → **REPLACE BRAKE FLUID LEVEL WARNING SWITCH**

OK

**7 CHECK HARNESS AND CONNECTOR (BRAKE FLUID LEVEL WARNING SWITCH - COMBINATION METER)**

- (a) Disconnect the combination meter connector and the brake fluid level warning switch connector.
- (b) Measure the resistance according to the value(s) in the table below.



**Resistance**

Tester Connection	Specified Condition
(C8-16) - (B1-1)	Below 1 Ω

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

**Resistance**

Tester Connection	Specified Condition
(C8-16) - Body ground	10 kΩ or higher

**NG** → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

**REPAIR OR REPLACE COMBINATION METER ASSEMBLY**