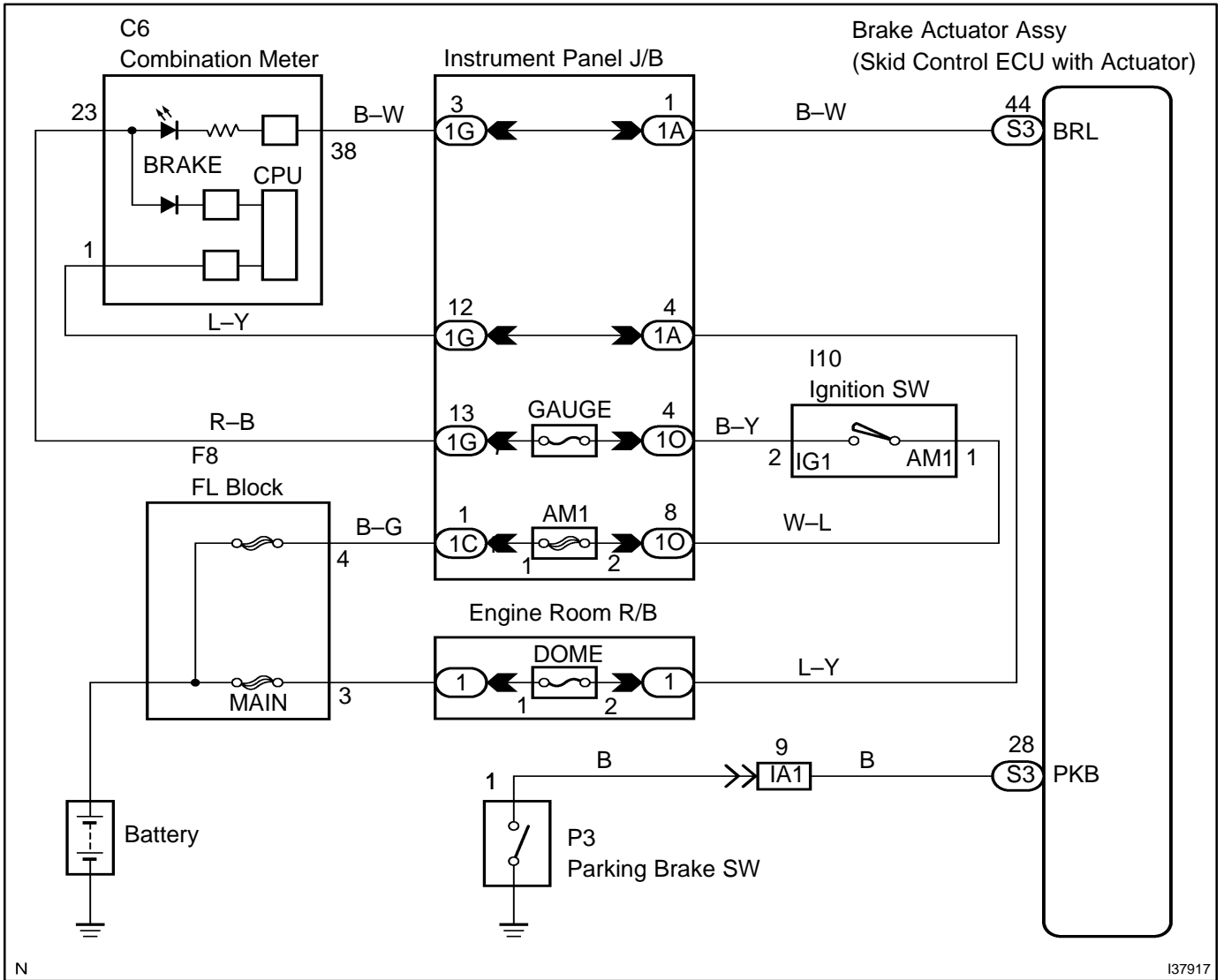


BRAKE WARNING LIGHT CIRCUIT

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

HINT:

Start the inspection from step 1 in case of using the hand-held tester and start from step 2 in case of not using the hand-held tester.

1 PERFORM ACTIVE TEST BY HAND-HELD TESTER(BRAKE WARNING LIGHT)

- (a) Connect the hand-held tester to the DLC3.
- (b) Start the engine.
- (c) Select the item "BRAKE WARN LIGHT" in the ACTIVE TEST and operate the BRAKE warning light on the hand-held tester.
- (d) Check that "ON" and "OFF" of the BRAKE warning light is shown on the combination meter by the hand-held tester.

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

NG → Go to step 7

OK

2 CHECK DTC FOR ABS

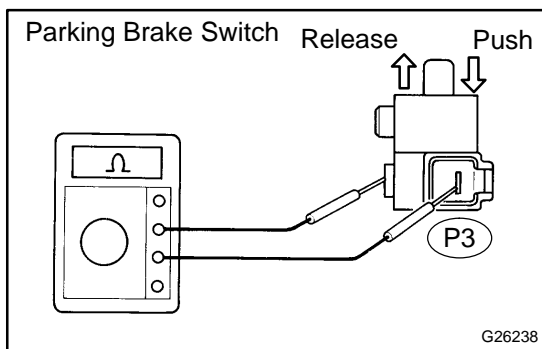
- (a) Check if the DTCs are detected (See page 05-266).

NO → Go to step 3

YES

REPAIR CIRCUIT INDICATED BY OUTPUT CODE

3 INSPECT PARKING BRAKE SWITCH ASSY



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

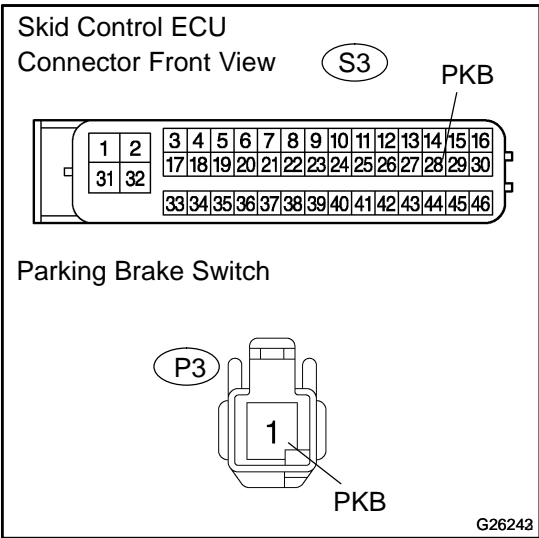
Standard:

Tester Connection	Engine Condition	Specified condition
P3-1 - Ground part	Released	1 Ω or less
	Pushed in	10 kΩ or higher

NG → REPLACE PARKING BRAKE SWITCH ASSY

OK

4 CHECK HARNESS AND CONNECTOR(SKID CONTROL ECU - PARKING BRAKE SWITCH ASSY)



- (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.

Standard:

Tester Connection	Specified Condition
PKB (S3-28) - PKB (P3-1)	1 Ω or less

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

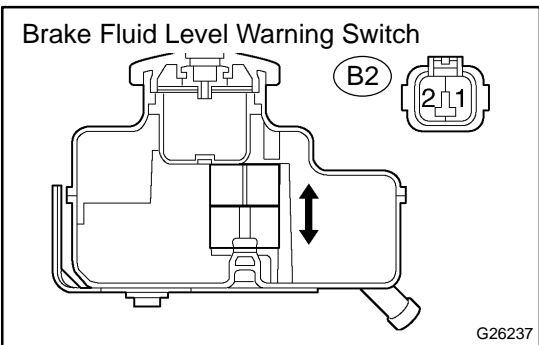
Standard:

Tester Connection	Specified Condition
PKB (S3-28) - Body ground	10 kΩ or higher

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

5 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.

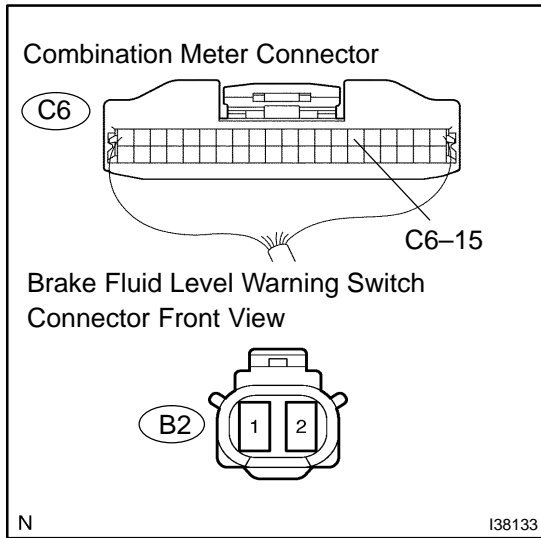
Standard:

Tester Connection	Engine Condition	Specified condition
(B2-1) - (B2-2)	Float UP	10 kΩ or higher
	Float DOWN	1 Ω or less

NG REPLACE BRAKE MASTER CYLINDER RESERVOIR SUB-ASSY

OK

6 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.

Standard:

Tester Connection	Specified Condition
(C6-15) – (B2-1)	1 Ω or less

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

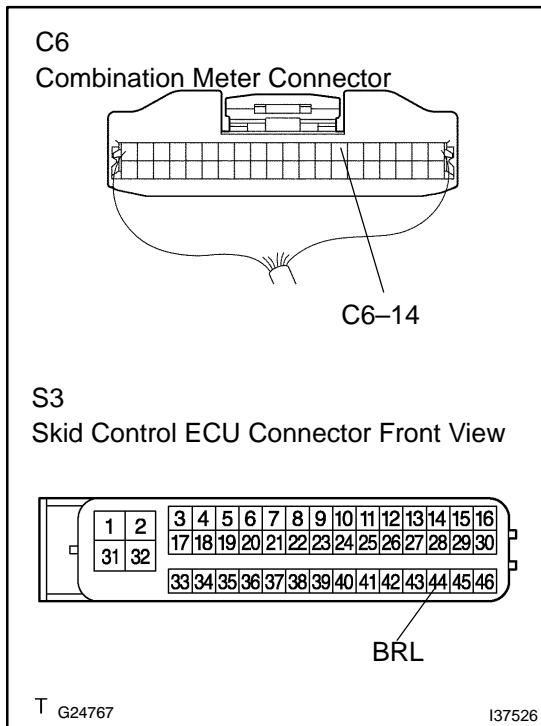
Standard:

Tester Connection	Specified Condition
(C6-15) – Body ground	10 kΩ or higher

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

7 CHECK HARNESS AND CONNECTOR(SKID CONTROL ECU – COMBINATION METER)



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

Standard:

Tester Connection	Specified Condition
BRL (S3-44) – C6(14)	1 Ω or less

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

Standard:

Tester Connection	Specified Condition
BRL (S3-44) – Body ground	10 kΩ or higher

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE BRAKE ACTUATOR ASSY (See page 32-39)

NOTICE:

When replacing the brake actuator assy, perform the zero point calibration (See page 05-279).