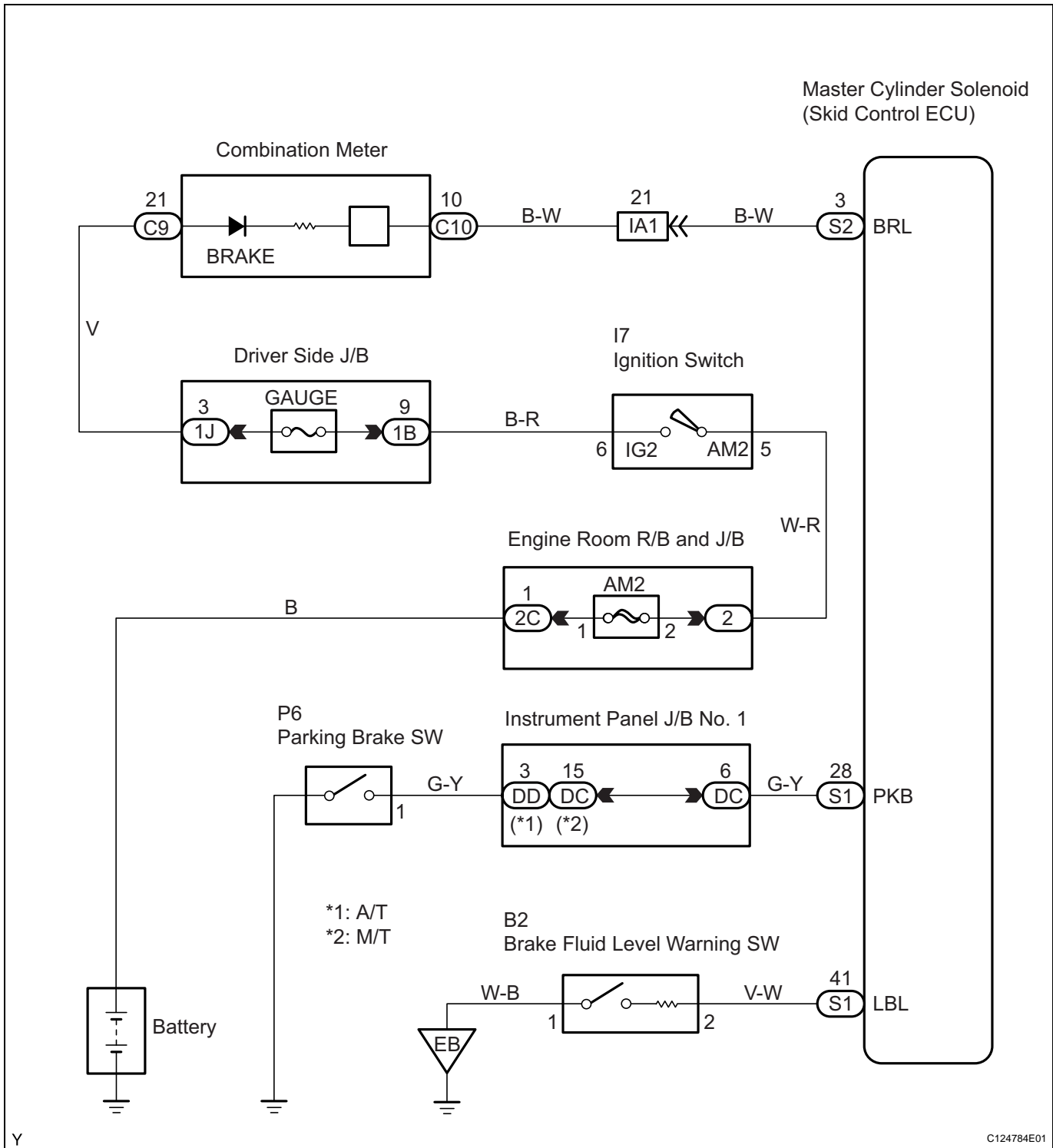


Brake Warning Light Remains ON

DESCRIPTION

The BRAKE warning light lights up when the brake fluid is insufficient, the parking brake is applied or the EBD is defective.

WIRING DIAGRAM



NOTICE:

When replacing the master cylinder solenoid, perform zero point calibration (See page [BC-99](#)).

1 CHECK DTC

(a) Check the DTCs (See page [BC-118](#)).

Result	Proceed to
DTC not output	A
DTC output	B

B**REPAIR CIRCUITS INDICATED BY OUTPUT DTCs****A****2 CHECK BRAKE FLUID LEVEL**

(a) Check the amount of brake fluid in the brake reservoir.

OK:

Brake fluid level is correct.

NG**ADD BRAKE FLUID****OK****3 CHECK SKID CONTROL ECU CONNECTOR**

(a) Check whether skid control ECU connector is connected securely.

OK:

The skid control ECU connector is connected securely.

NG**CONNECT CONNECTOR CORRECTLY****OK****4 INSPECT BATTERY**

(a) Check the battery voltage.

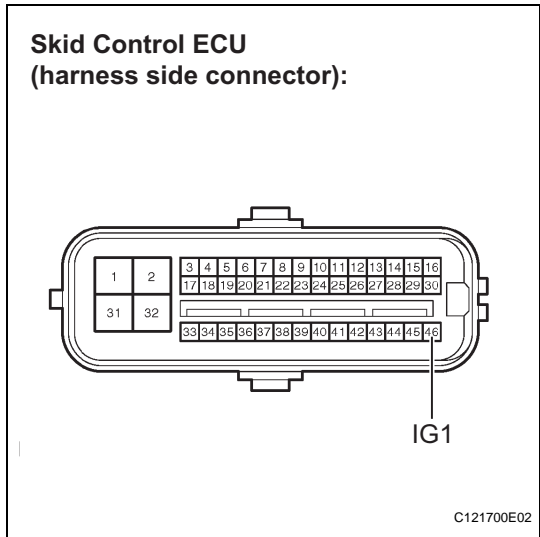
Standard:

11 to 14 V

NG**INSPECT CHARGING SYSTEM****OK****BC**

5

INSPECT SKID CONTROL ECU (IG1 TERMINAL VOLTAGE)



- (a) Disconnect the skid control ECU connector.
- (b) Turn the ignition switch to the ON position.
- (c) Measure the voltage.

Standard

Tester Connection	Specified Condition
S1-46 (IG1) - Body ground	10 to 14 V

- (d) Turn the ignition switch to OFF.
- (e) Reconnect the skid control ECU connector.

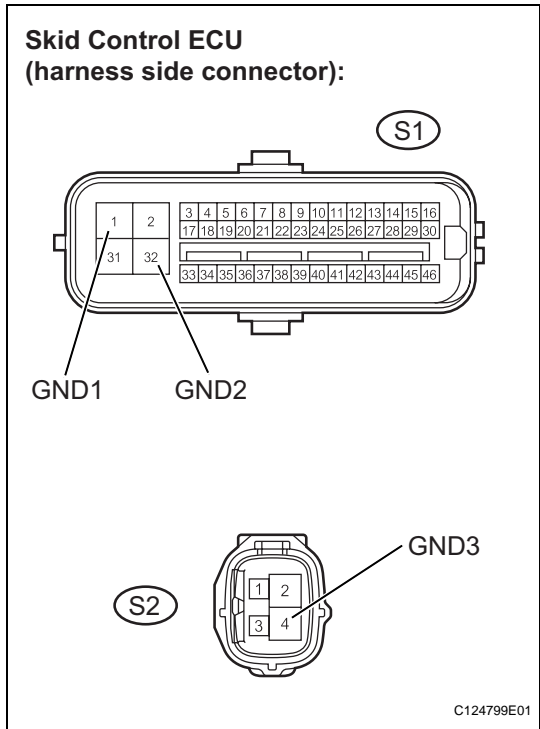
NG

REPAIR OR REPLACE HARNESS OR CONNECTOR (IG1 CIRCUIT)

OK

6

CHECK HARNESS AND CONNECTOR (GND TERMINAL CONTINUITY)



- (a) Disconnect the skid control ECU connectors.
- (b) Measure the resistance.

Standard

Tester Connection	Specified Condition
S1-1 (GND1) - Body ground	Below 1 Ω
S1-32 (GND2) - Body ground	Below 1 Ω
S2-4 (GND3) - Body ground	Below 1 Ω

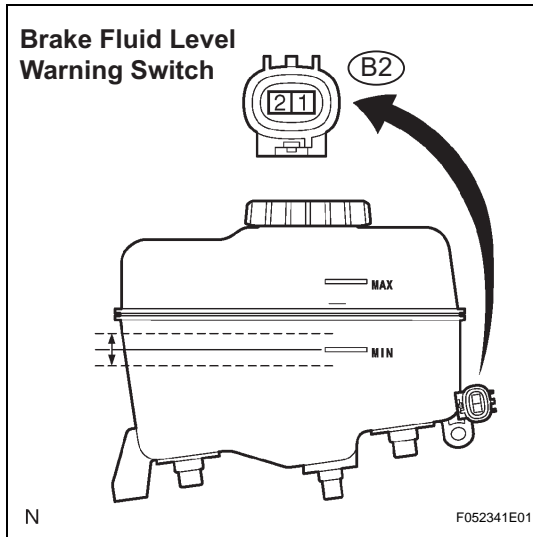
- (c) Reconnect the skid control ECU connectors.

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR (GND CIRCUIT)

OK

7 INSPECT BRAKE FLUID LEVEL WARNING SWITCH



- (a) Disconnect the brake fluid level warning switch connector.
- (b) Measure the resistance.

Standard

Tester Connection	Condition	Specified Condition
B2-1 - B2-2	Float UP	10 kΩ or higher
B2-1 - B2-2	Float DOWN	Below 1 Ω

- (c) Reconnect the brake fluid level warning switch connector.

HINT:

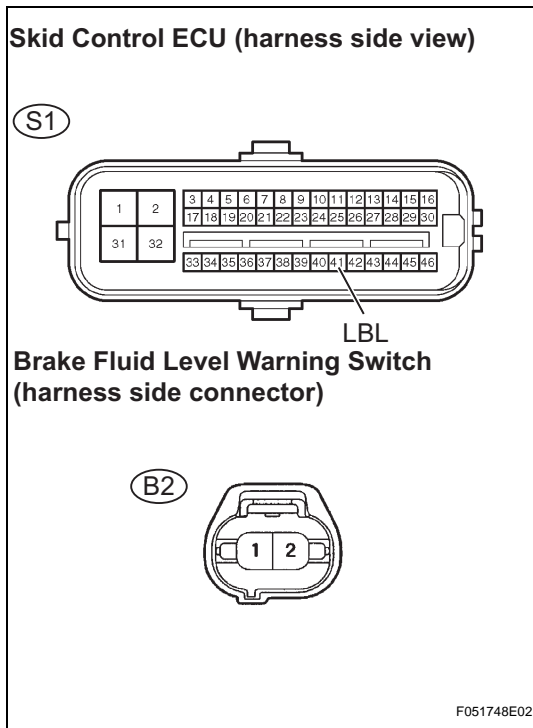
If there is no problem after finishing the above check, adjust the brake fluid level to the maximum level.

NG

REPLACE BRAKE MASTER CYLINDER
RESERVOIR SUB-ASSEMBLY

OK

8 CHECK HARNESS AND CONNECTOR (SKID CONTROL ECU - BRAKE FLUID LEVEL WARNING SWITCH)



- (a) Disconnect the skid control ECU connector.
- (b) Disconnect the brake fluid level warning switch connector.
- (c) Measure the resistance.

Standard

Tester Connection	Specified Condition
S1-41 (LBL) - B2-2	Below 1 Ω

- (d) Measure the resistance.

Standard

Tester Connection	Specified Condition
S1-41 - Body ground	10 kΩ or higher

- (e) Reconnect the brake fluid level warning switch connector.
- (f) Reconnect the skid control ECU connector.

NG

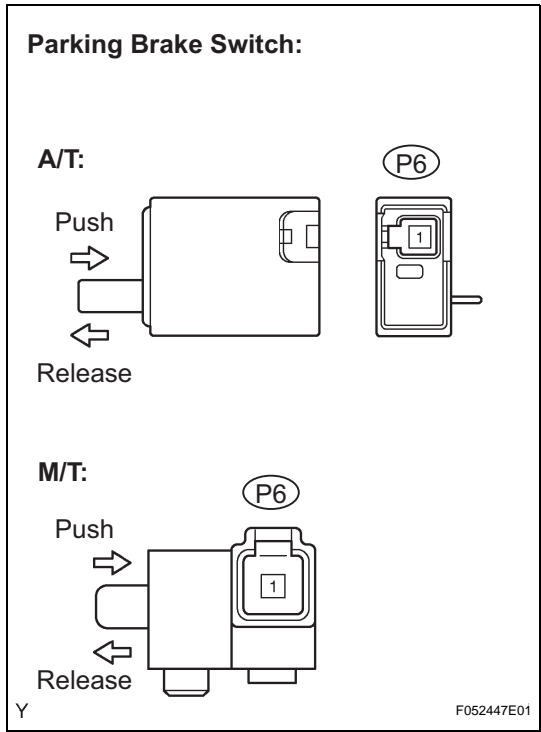
REPAIR OR REPLACE HARNESS OR
CONNECTOR

OK

BC

9

INSPECT PARKING BRAKE SWITCH ASSEMBLY



OK

- (a) Disconnect the parking brake switch connector.
(b) Measure the resistance.

Standard

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

- (c) Reconnect the parking brake switch connector.

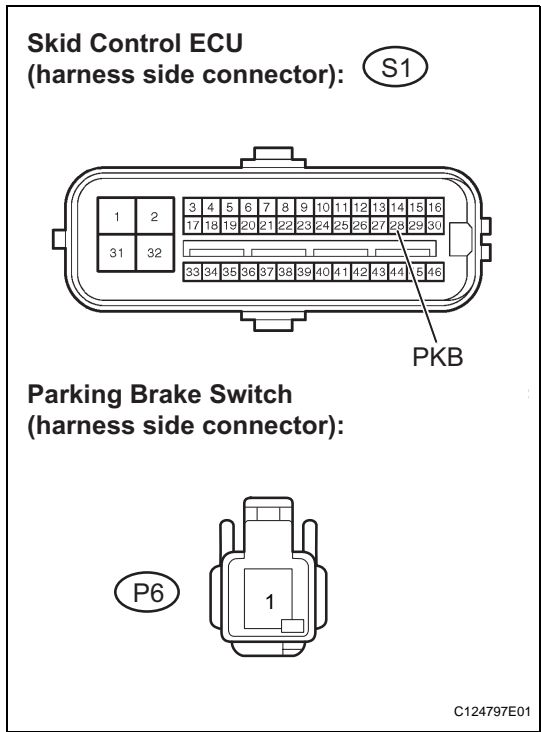
NG

REPLACE PARKING BRAKE SWITCH ASSEMBLY

BC

10

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



OK

- (a) Disconnect the skid control ECU.
(b) Disconnect the parking brake switch connector.
(c) Measure the resistance.

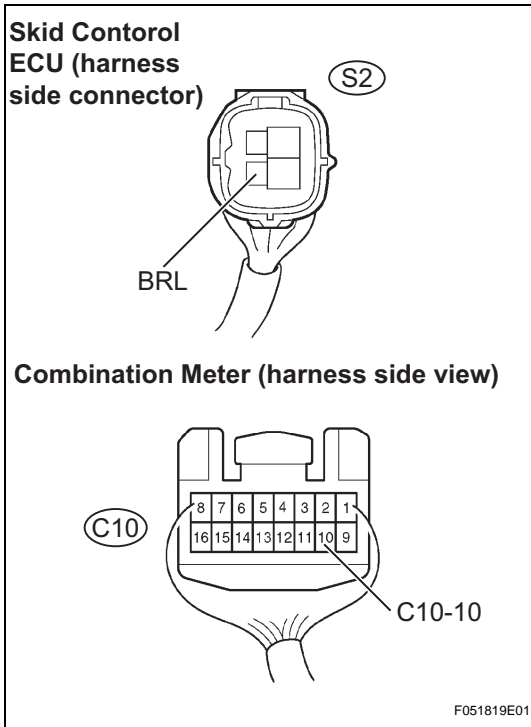
Standard

Tester Connection	Specified Condition
S1-28 (PKB) - P6-1	Below 1 Ω
S1-28 (PKB) - Body ground	10 kΩ or higher

- (d) Reconnect the parking brake switch connector.
(e) Reconnect the skid control ECU.

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

11 CHECK HARNESS AND CONNECTOR (SKID CONTROL ECU - COMBINATION METER)

- (a) Disconnect the skid control ECU connector.
- (b) Disconnect the combination meter connector.
- (c) Measure the resistance.

Standard

Tester Connection	Specified Condition
S2-3 (BRL) - C10-10	Below 1 Ω

- (d) Measure the resistance.

Standard

Tester Connection	Specified Condition
S2-3 (BRL) - Body ground	10 k Ω or higher

- (e) Reconnect the combination meter connector.
- (f) Reconnect the skid control ECU connector.

NG**REPAIR OR REPLACE HARNESS OR CONNECTOR****OK****12 INSPECT COMBINATION METER ASSEMBLY**

- (a) Check the combination meter system (See page [ME-8](#)).

OK:**Combination meter is normal.****NG****REPLACE COMBINATION METER ASSEMBLY****OK****REPLACE MASTER CYLINDER SOLENOID****BC**