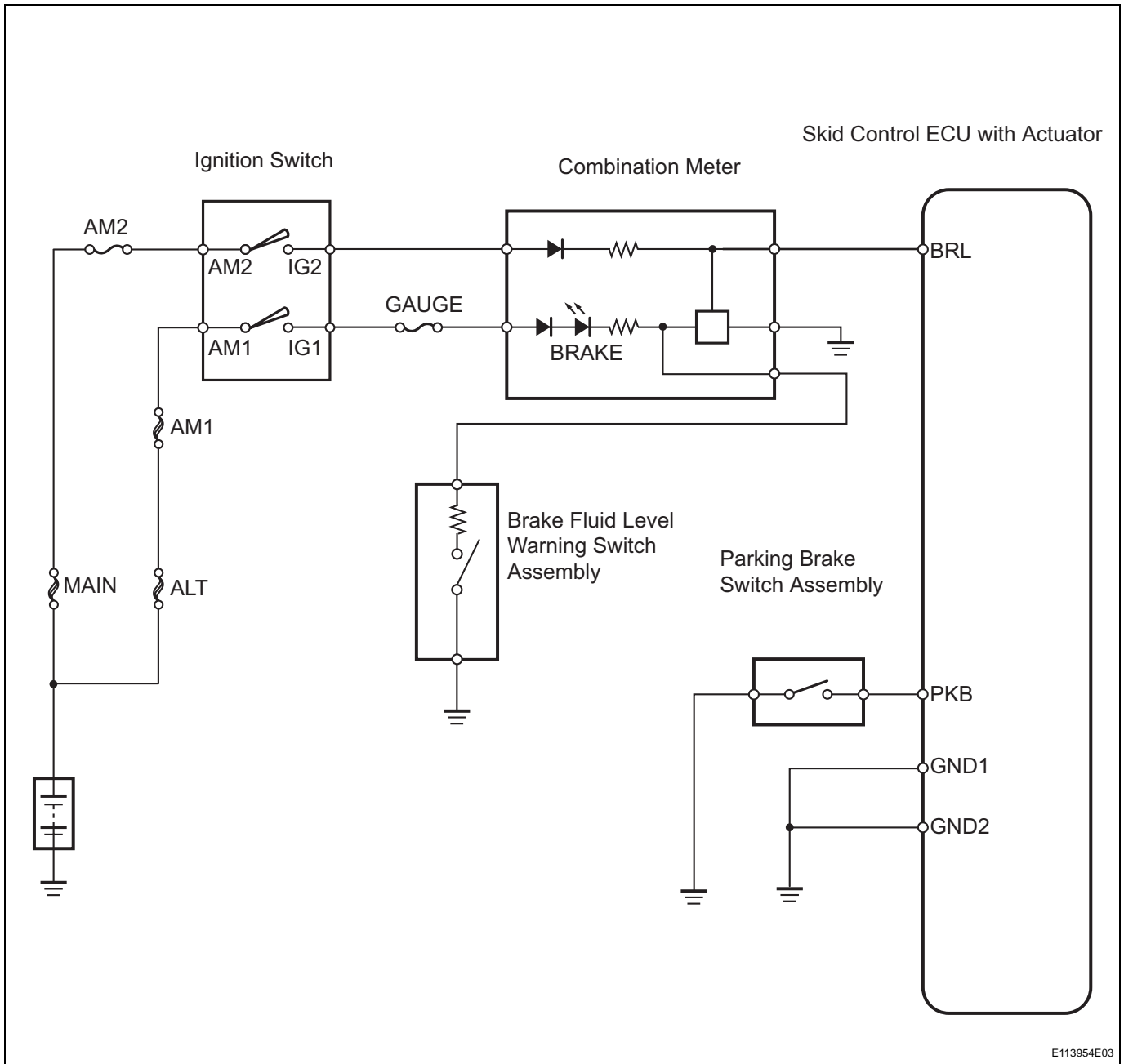


Brake Warning Light Circuit

DESCRIPTION

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

WIRING DIAGRAM



1

CHOOSE DIAGNOSIS METHOD

(a) Choose the diagnosis method.

Method

Method	Proceed to
Using intelligent tester	A
Not using intelligent tester	B

B

Go to step 3

A

2

PERFORM ACTIVE TEST BY INTELLIGENT TESTER (BRAKE WARNING LIGHT)

- (a) Select the ACTIVE TEST, generate a control command, and then check that the BRAKE warning light illuminates.

Skid control ECU with actuator

Item	Measurement Item / Range (Display)	Diagnostic Note
BRAKE WRN LIGHT	Turns brake warning light ON / OFF	Observe combination meter

OK:

Brake warning light illuminates.

HINT:

When replacing the skid control ECU with actuator, perform the zero point calibration (see page [BC-11](#)).

OK

REPLACE BRAKE ACTUATOR ASSEMBLY

NG

3

CHECK DTC FOR ABS

- (a) Check for DTCs (see page [BC-16](#)).

Result

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

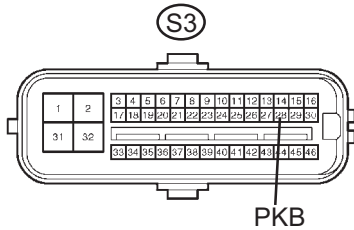
B

REPAIR CIRCUIT INDICATED BY OUTPUT CODE

A

4 CHECK WIRE HARNESS (SKID CONTROL ECU - BODY GROUND)

Wire Harness Side



E114414E27

- Disconnect the S3 ECU connector.
- Measure the resistance of the wire harness side connector.

Standard resistance

Tester Connection	Switch Condition	Specified Condition
S3-28 (PKB) - Body ground	Parking brake switch ON	Below 1 Ω
	Parking brake switch OFF	10 k Ω or higher

OK

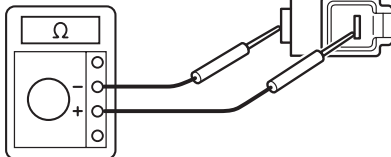
Go to step 7

NG

5 INSPECT PARKING BRAKE SWITCH ASSEMBLY

Not pushed Pushed

Parking Brake Switch Assembly



N

E110278E01

- Remove the parking brake switch.
- Measure the resistance of the switch.

Standard resistance

Tester Connection	Switch Condition	Specified Condition
1 - Body ground	Pushed	Below 1 Ω
	Not pushed	10 k Ω or higher

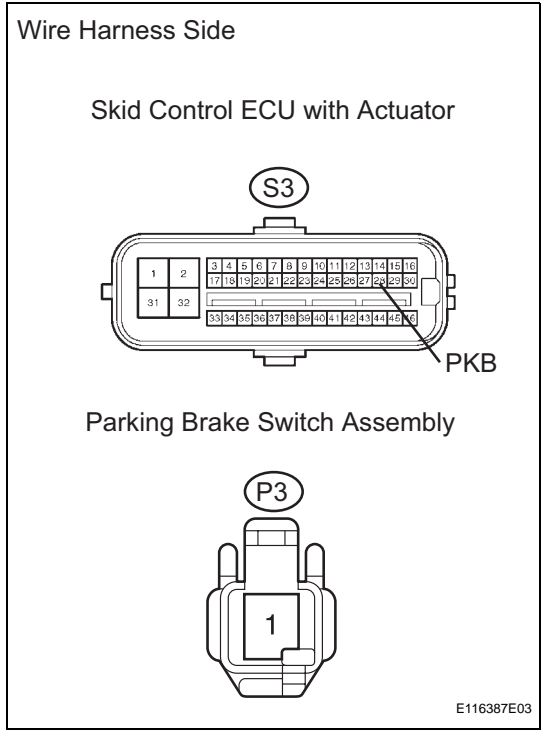
NG

REPLACE PARKING BRAKE SWITCH ASSEMBLY

OK

6

CHECK WIRE HARNESS (SKID CONTROL ECU - PARKING BRAKE SWITCH)



- (a) Disconnect the S3 ECU connector.
- (b) Disconnect the P3 switch connector.
- (c) Measure the resistance of the wire harness side connectors.

Standard resistance

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

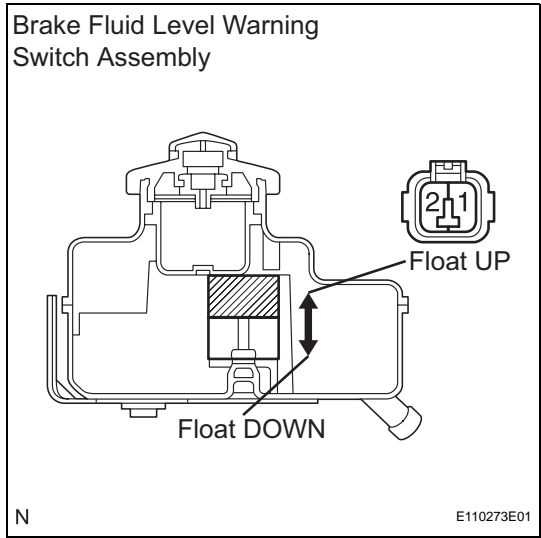
NG

REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

7

INSPECT BRAKE FLUID LEVEL WARNING SWITCH ASSEMBLY



- (a) Remove the reservoir tank cap and strainer.
- (b) Disconnect the B2 switch connector.
- (c) Measure the resistance of the switch.

Standard resistance

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

NG

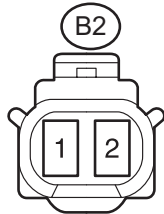
REPLACE BRAKE MASTER CYLINDER SUB-ASSEMBLY

OK

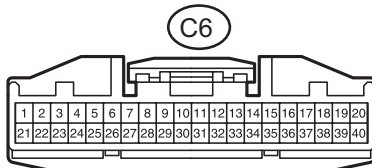
8 CHECK WIRE HARNESS (WARNING SWITCH - COMBINATION METER AND BODY GROUND)

Wire Harness Side

Brake Fluid Level Warning Switch Assembly



Combination Meter Assembly



C121551E01

- Disconnect the B2 switch connector.
- Disconnect the C6 meter connector.
- Measure the resistance of the wire harness side connectors.

Standard resistance

Tester Connection	Specified Condition
B2-1 - C6-36	Below 1 Ω
B2-2 - Body ground	

NG

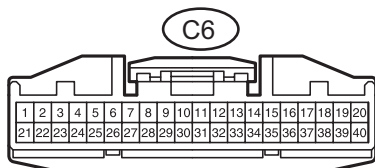
REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

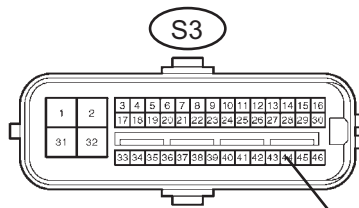
9 CHECK WIRE HARNESS (SKID CONTROL ECU - COMBINATION METER)

Wire Harness Side

Combination Meter Assembly



Skid Control ECU with Actuator



C121550E03

- Disconnect the S3 ECU connector.
 - Disconnect the C6 meter connector.
- Measure the resistance of the wire harness side connectors.

Standard resistance

Tester Connection	Specified Condition
S3-44 (BRL) - C6-38	Below 1 Ω

HINT:

When replacing the skid control ECU with actuator, perform the zero point calibration (see page BC-11).

NG

REPAIR OR REPLACE HARNESS AND CONNECTOR

BC

OK

REPLACE BRAKE ACTUATOR ASSEMBLY