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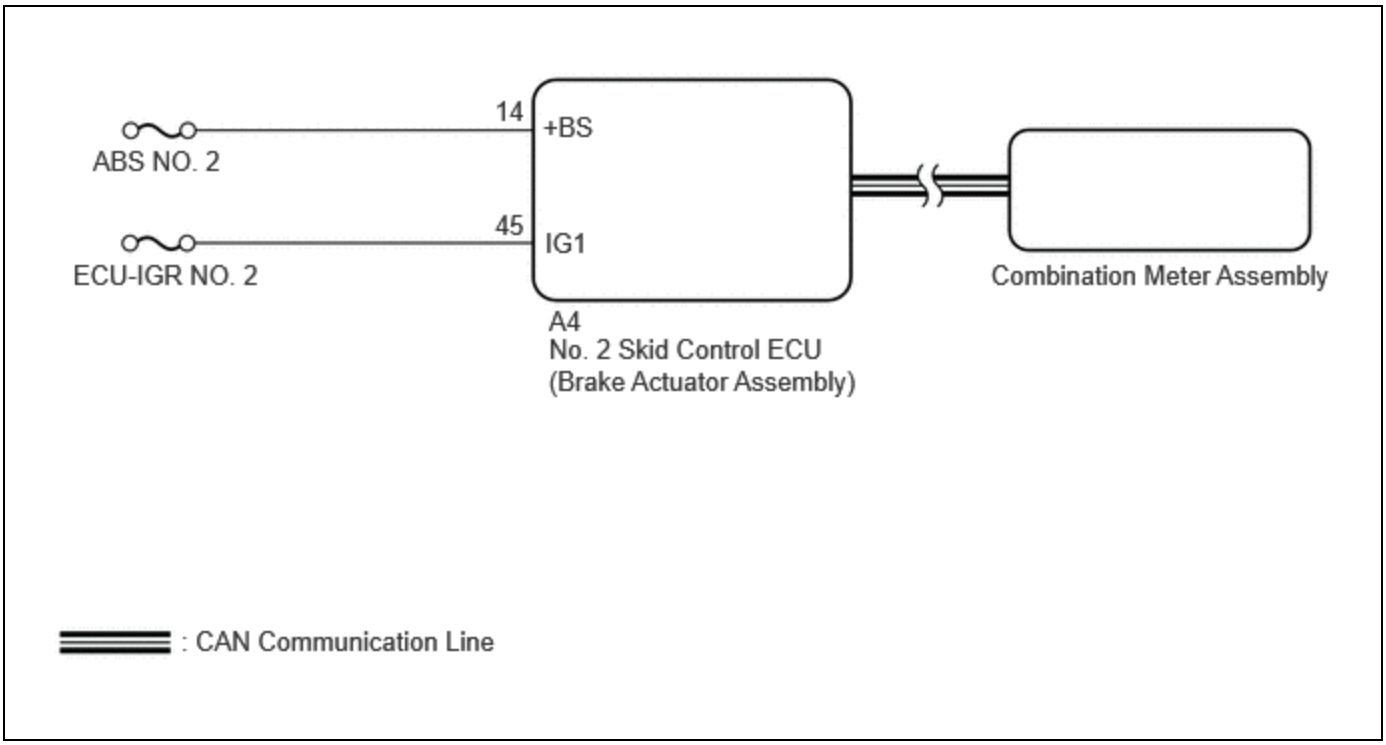
Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [03/2023 -]
Title: PARKING BRAKE: ELECTRIC PARKING BRAKE SYSTEM: Electric Parking Brake does not Operate; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

Electric Parking Brake does not Operate

WIRING DIAGRAM



CAUTION / NOTICE / HINT

NOTICE:

Inspect the fuses for circuits related to this system before performing the following procedure.

HINT:

Even if the electric parking brake is operating normally, the parking brake indicator light on the combination meter may be malfunctioning.

PROCEDURE

1.	**CHECK CAN COMMUNICATION SYSTEM**

(a) Check if CAN communication system DTCs are output.

Chassis > Brake/EPB > Trouble Codes

RESULT	PROCEED TO
DTCs are not output	A
DTCs are output	B

B ▶ **GO TO CAN COMMUNICATION SYSTEM**

for HEV Model: Click here INFO

for PHEV Model: Click here INFO

A

2.	**VEHICLE OPERATION CHECK**

(a) With the wheels not contacting the ground, check the condition of the rear wheels when the electric parking brake is operating and not operating.

Click here INFO

RESULT	PROCEED TO
Lock and release operation is normal and parking brake indicator light turns off or blinks	A
Lock and release operation is malfunctioning and parking brake indicator light illuminates or turns off according to switch operation	B
Lock and release operation is malfunctioning and parking brake indicator light turns off or blinks	C

B ▶ **INSPECT REAR BRAKE**

C ▶ **GO TO STEP 4**

A

3.	**INSPECT COMBINATION METER ASSEMBLY**

(a) Perform the Active Test of the combination meter assembly using the GTS.

Body Electrical > Combination Meter > Active Test

TESTER DISPLAY
Park Warning

(b) Check the combination meter assembly.

OK:

Parking brake indicator light turns on or off in accordance with GTS operation.

OK ▶ **REPLACE NO. 2 SKID CONTROL ECU (BRAKE ACTUATOR ASSEMBLY)**

NG ▶ **GO TO METER / GAUGE SYSTEM**

4.	CHECK HARNESS AND CONNECTOR (+BS TERMINAL VOLTAGE)

(a) Turn the ignition switch off.

(b) Disconnect the A4 No. 2 skid control ECU (brake actuator assembly) connector.

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

Standard Voltage:

EWD INFO

Click Location & Routing(A4)
Click Connector(A4)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
A4-14 (+BS) - Body ground	Ignition switch off	11 to 14 V

NG ▶ **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK ▼

5.	CHECK HARNESS AND CONNECTOR (IG1 TERMINAL VOLTAGE)

(a) Turn the ignition switch off.

(b) Disconnect the A4 No. 2 skid control ECU (brake actuator assembly) connector.

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

Standard Voltage:

EWD INFO

Click Location & Routing(A4)
Click Connector(A4)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
A4-45 (IG1) - Body ground	Ignition switch ON	11 to 14 V

OK ▶ **REPLACE NO. 2 SKID CONTROL ECU (BRAKE ACTUATOR ASSEMBLY)**

NG ▶ **REPAIR OR REPLACE HARNESS OR CONNECTOR**