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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: BRAKE CONTROL / DYNAMIC CONTROL SYSTEMS: ELECTRONICALLY CONTROLLED BRAKE SYSTEM: C102014; Ignition Switch On/Start Position Circuit Short to Ground or Open; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DTC	C102014	Ignition Switch On/Start Position Circuit Short to Ground or Open
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DESCRIPTION

Refer to DTC C137BA2.

Click here [INFO](#)

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	MIL	DTC OUTPUT FROM	PRIORITY	NOTE
C102014	Ignition Switch On/Start Position Circuit Short to Ground or Open	When the IG1 terminal voltage is less than 3 V, the IG2 terminal voltage is 9.5 V or more for 4 seconds or more.	<ul style="list-style-type: none"> Open or short in IG1 circuit Improperly connected connector, deformation or corrosion of terminals No. 2 skid control ECU (brake actuator assembly) 	Does not come on	Brake/EPB	A	Output ECU: No. 2 skid control ECU (brake actuator assembly)

WIRING DIAGRAM

Refer to DTC C137BA2.

Click here [INFO](#)

CAUTION / NOTICE / HINT

NOTICE:

- Inspect the fuses for circuits related to this system before performing the following procedure.
- Before performing troubleshooting, make sure to confirm that the auxiliary battery voltage is normal.

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PROCEDURE

1.	CHECK HARNESS AND CONNECTOR (IG1 TERMINAL)
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Procedure1

(a) Make sure that there is no looseness at the locking part and the connecting part of the connector.

OK:

The connector is securely connected.

Pre-procedure1

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

Procedure2

(c) Check both the connector case and the terminals for deformation and corrosion.

OK:

No deformation or corrosion.

Pre-procedure2

(d) Turn the ignition switch to ON.

Procedure3

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

Standard Voltage:



[Click Location & Routing\(A4\).](#)

[Click Connector\(A4\).](#)

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

Post-procedure1

(f) None

OK ► REPLACE BRAKE ACTUATOR ASSEMBLY INFO

NG ► REPAIR OR REPLACE HARNESS OR CONNECTOR

