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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: POWER DISTRIBUTION: POWER INTEGRATION SYSTEM: B235504; Power Distribution Box System Internal Failure; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DTC	B235504	Power Distribution Box System Internal Failure
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DESCRIPTION

This DTC is output when the power distribution box assembly detects an internal circuit error.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
B235504	Power Distribution Box System Internal Failure	<ul style="list-style-type: none"> Microcomputer abnormality AD circuit trouble The load drive output open or short trouble 	Power distribution box assembly	Power Distribution Box	A

WIRING DIAGRAM

Click here [INFO](#)

CAUTION / NOTICE / HINT

NOTICE:

- When using the GTS with the ignition switch off to troubleshoot:

Connect the GTS to the vehicle, and turn a courtesy switch on and off at 1.5 second intervals until communication between the GTS and vehicle begins.

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

PROCEDURE

1.	CONFIRM PROBLEM SYMPTOMS
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(a) Check that no dependent system of the power distribution box assembly is malfunctioning.

HINT:

Refer to the link for dependent systems of the power distribution box assembly.

Click here [INFO](#)

RESULT	PROCEED TO
No dependent system of the power distribution box assembly is malfunctioning	A

RESULT	PROCEED TO
A dependent system of the power distribution box assembly is malfunctioning	B

A ► **GO TO STEP 3**

B



2.	INSPECT RELATED SYSTEMS
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(a) Perform an inspection for each malfunctioning system by following "HOW TO PROCEED WITH TROUBLESHOOTING".

RESULT	PROCEED TO
No related system is malfunctioning	A
A related system is malfunctioning	B

B ► **REPAIR OR REPLACE MALFUNCTIONING COMPONENT**

A



3.	CLEAR DTC
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(a) Clear the DTCs.

Body Electrical > Power Distribution Box > Clear DTCs

NEXT



4.	CHECK FOR DTC
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(a) Check for DTCs.

Body Electrical > Power Distribution Box > Trouble Codes

RESULT	PROCEED TO
B235504 is not output	A
B235504 is output	B

A ► **USE SIMULATION METHOD TO CHECK**

B ► **REPLACE POWER DISTRIBUTION BOX ASSEMBLY** [INFO](#)

