

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM100000002BMDW
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: M20A-FXS (BATTERY / CHARGING): SOLAR CHARGING SYSTEM: HOW TO PROCEED WITH TROUBLESHOOTING; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

HOW TO PROCEED WITH TROUBLESHOOTING

CAUTION / NOTICE / HINT

HINT:

- *: Use the GTS
- Use the following procedure to troubleshoot the solar charging system.

PROCEDURE

1. VEHICLE BROUGHT TO WORKSHOP

NEXT



2. CUSTOMER PROBLEM ANALYSIS

NEXT



3. CONNECT GTS TO DLC3*

HINT:

If the display on the GTS indicates a communication error, check the DLC3.

NEXT



4. CHECK DTC AND FREEZE FRAME DATA*

Click here [INFO](#)

HINT:

- Make sure to save freeze frame data because it is necessary for performing simulation tests.
- There are many DTCs for the solar charging system, many of which can be stored due to a single malfunction. As a result, in some of the diagnostic procedures there are steps to check for other DTCs. By following the diagnostic flow based on the combination of output DTCs, it is possible to narrow down the problem early and avoid unnecessary diagnosis.

NEXT



5.	CLEAR DTC AND FREEZE FRAME DATA*
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Click here [INFO](#)

NEXT



6.	CONDUCT VISUAL INSPECTION
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NEXT



7.	CONFIRM PROBLEM SYMPTOMS
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RESULT	PROCEED TO
Malfunction does not occur.	A
Malfunction occurs.	B

B **GO TO STEP 10**

A



8.	DUPLICATE CONDITIONS THAT PRODUCE SYMPTOMS
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NEXT

9.	CHECK FOR DTCS*
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Click here [INFO](#)

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

B **GO TO STEP 16****A**

10.	REFER TO DTC CHART
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NEXT

11.	CONDUCT CIRCUIT INSPECTION
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RESULT	PROCEED TO
Malfunction not confirmed.	A
Malfunction confirmed.	B

B **GO TO STEP 13****A**

12. CHECK FOR INTERMITTENT PROBLEMSClick here [INFO](#)**NEXT****13. IDENTIFY PROBLEM****NEXT****14. ADJUST AND/OR REPAIR****NEXT****15. CONDUCT CONFIRMATION TEST****NEXT** **END****16. CONDUCT BASIC INSPECTION**

RESULT	PROCEED TO
Malfunctioning parts not confirmed.	A
Malfunctioning parts confirmed.	B

B **GO TO STEP 18****A**

17.	CHECK ECU POWER SOURCE CIRCUIT
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NEXT ► [GO TO STEP 11](#)

18.	CONDUCT PARTS INSPECTION
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NEXT ► [GO TO STEP 13](#)

