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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: M20A-FXS (ENGINE CONTROL): SFI SYSTEM: BASIC INSPECTION; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

BASIC INSPECTION

CAUTION / NOTICE / HINT

When a malfunction is not confirmed by the DTC check, troubleshooting should be carried out for all circuits considered to be possible causes of the problem. In many cases, by carrying out the basic engine check shown in the following procedure, the location of the problem can be found quickly and efficiently. Therefore, using this check is essential when troubleshooting the engine.

PROCEDURE

1. CHECK AUXILIARY BATTERY VOLTAGE

NOTICE:

Carry out this check with the engine stopped and the ignition switch off.

RESULT	PROCEED TO
11 V or higher	OK
Below 11 V	NG

NG ► CHARGE OR REPLACE AUXILIARY BATTERY

OK



2. CHECK WHETHER ENGINE CRANKS

NG ► PROCEED TO PROBLEM SYMPTOMS TABLE [INFO](#)

OK



3. CHECK WHETHER ENGINE STARTS**NG** ► **GO TO STEP 6****OK****4. CHECK AIR CLEANER FILTER ELEMENT SUB-ASSEMBLY**

(a) Visually check that the air cleaner filter element sub-assembly is not excessively contaminated with dirt or oil.

NG ► **REPLACE AIR CLEANER FILTER ELEMENT SUB-ASSEMBLY****OK****5. CHECK IDLE SPEED**

(a) Check the engine idle speed.

Click here [INFO](#)**NG** ► **PROCEED TO PAGE AND CONTINUE TO TROUBLESHOOT****OK****6. CHECK FUEL PRESSURE**

(a) Check the fuel pressure.

Click here [INFO](#)**NG** ► **PROCEED TO PAGE AND CONTINUE TO TROUBLESHOOT**

OK
▼

7.	CHECK FOR SPARK
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(a) Perform a spark test.

Click here 

OK ► **PROCEED TO PROBLEM SYMPTOMS TABLE** 

NG ► **PROCEED TO PAGE AND CONTINUE TO TROUBLESHOOT**

