

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM10000002BJGG
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: M20A-FXS (FUEL): FUEL PRESSURE SENSOR (for High Pressure): REMOVAL; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

REMOVAL

CAUTION / NOTICE / HINT

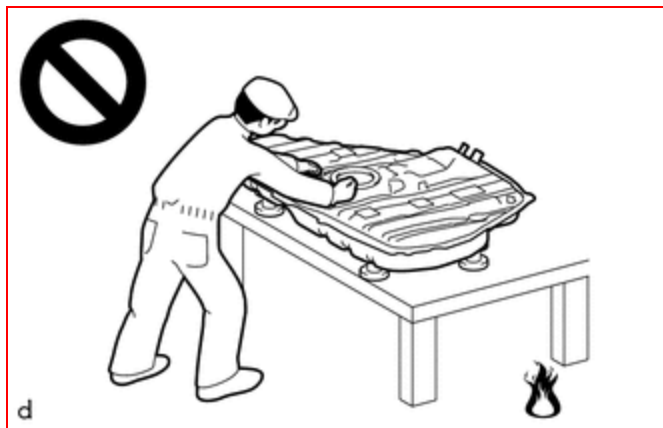
The necessary procedures (adjustment, calibration, initialization or registration) that must be performed after parts are removed and installed, or replaced during fuel pressure sensor removal/installation are shown below.

Necessary Procedures After Parts Removed/Installed/Replaced

REPLACED PART OR PERFORMED PROCEDURE	NECESSARY PROCEDURE	EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED	LINK
<ul style="list-style-type: none"> • Replacement of fuel pressure sensor • Replacement of throttle body with motor assembly • Cleaning the deposits from the throttle body with motor assembly • Gas leak from exhaust system is repaired 	Inspection after repair	<ul style="list-style-type: none"> • Poor idle, etc. • Engine start function, etc. 	INFO

CAUTION:

- Never perform work on fuel system components near any possible ignition sources.



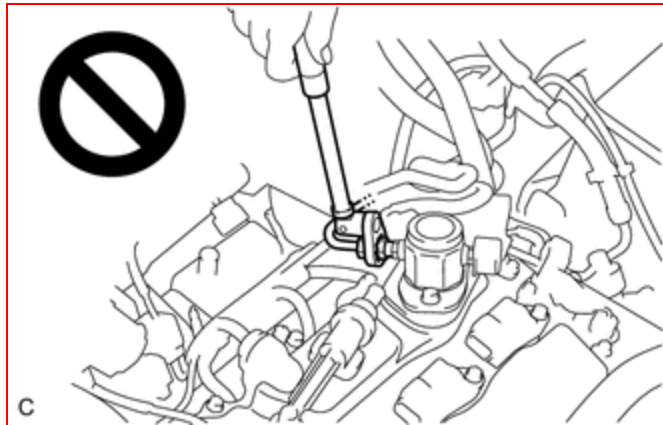
- Vaporized fuel could ignite, resulting in a serious accident.

- Do not perform work on fuel system components without first disconnecting the cable from the negative (-)



auxiliary battery terminal.

- Sparks could cause vaporized fuel to ignite, resulting in a serious accident.
- To prevent serious injury due to fuel spray from the high-pressure fuel lines, always discharge fuel system pressure before removing any fuel system components.



NOTICE:

This procedure includes the removal of small-head bolts. Refer to Small-Head Bolts of Basic Repair Hint to identify the small-head bolts.

Click here [INFO](#)

HINT:

When the cable is disconnected / reconnected to the auxiliary battery terminal, systems temporarily stop operating. However, each system has a function that completes learning the first time the system is used.

Learning completes when vehicle is driven

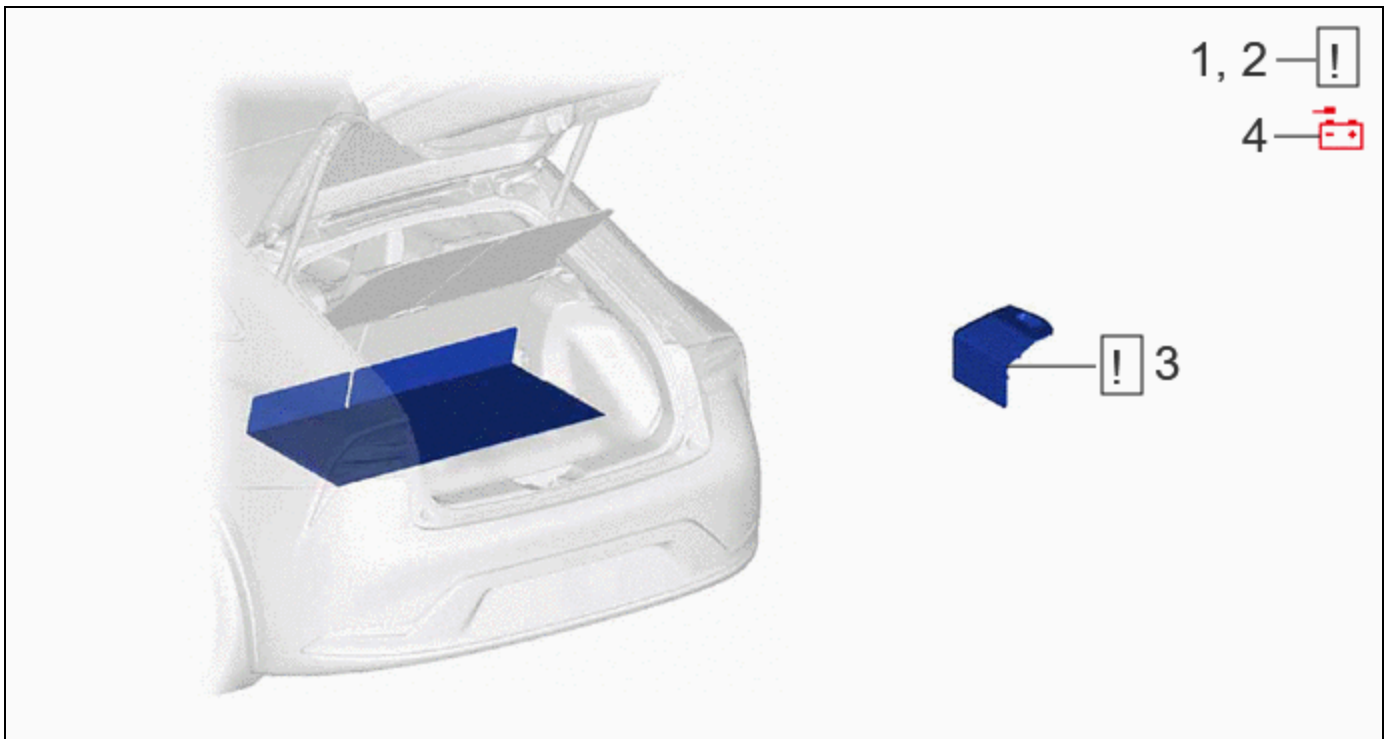
EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED	NECESSARY PROCEDURE	LINK
Front Camera System	Drive the vehicle straight ahead at 35 km/h (22 mph) or more for 5 seconds or more.	INFO




Learning completes when vehicle is operated normally

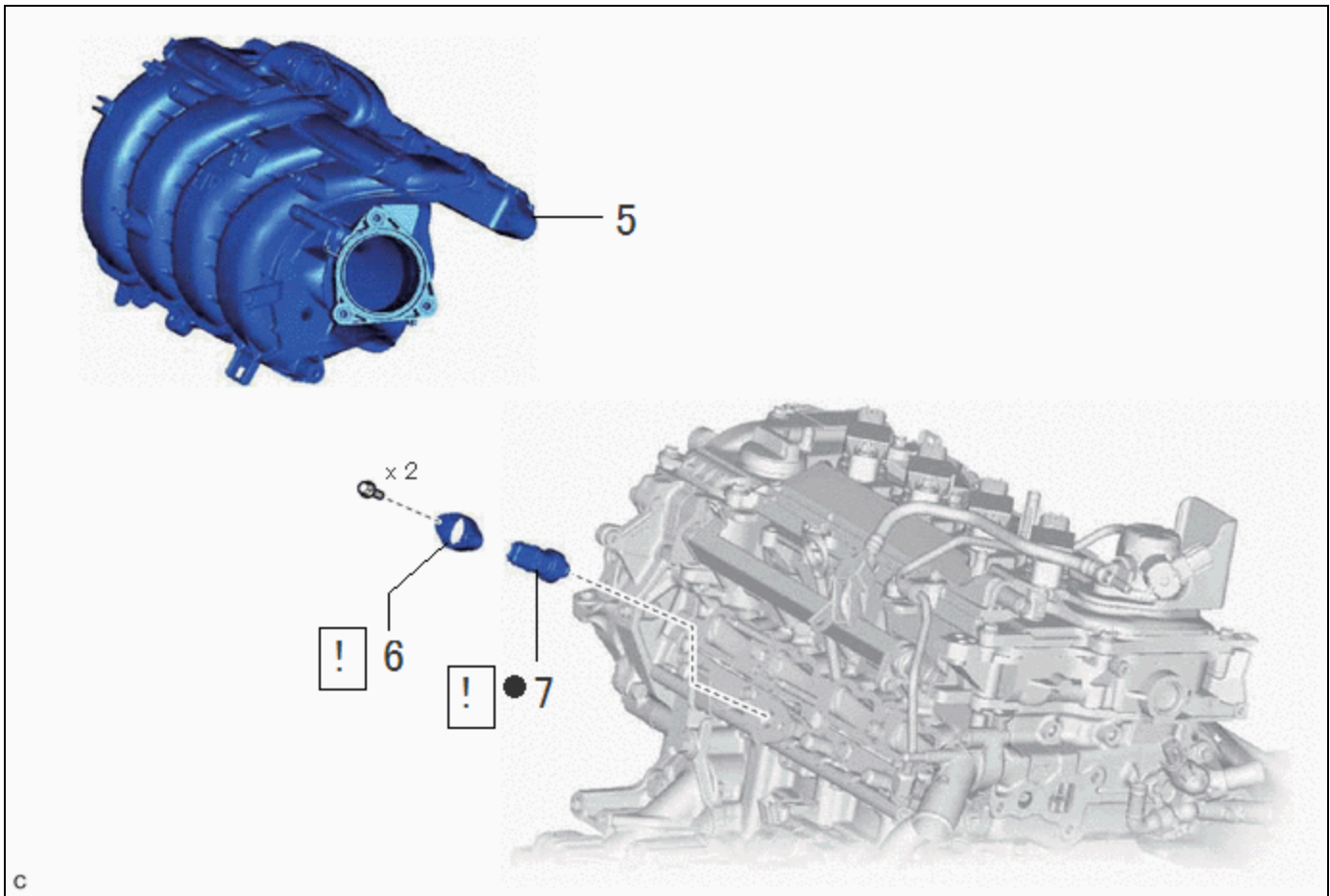
EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED	NECESSARY PROCEDURE	LINK
Power Door Lock Control System*1 <ul style="list-style-type: none"> Back door opener 	Perform door unlock operation with door control switch or electrical key transmitter sub-assembly switch.	INFO
Power Back Door System*2	Reset back door close position	INFO
Air Conditioning System	<p>for HEV Model:</p> <p>After the ignition switch is turned to ON, the servo motor standard position is recognized.</p> <p>for PHEV Model:</p> <p>After the ignition switch is turned to ON, the servo motor and expansion valve standard position is recognized.</p>	-
<p>*1: w/o Power Back Door System</p> <p>*2: w/ Power Back Door System</p>		




CAUTION / NOTICE / HINT

COMPONENTS (REMOVAL)



PROCEDURE		PART NAME CODE			
1	PRECAUTION	-	INFO	-	-
2	DISCHARGE FUEL SYSTEM PRESSURE	-	INFO	-	-
3	BATTERY SERVICE HOLE COVER ASSEMBLY	58440	INFO	-	-
4	DISCONNECT CABLE FROM NEGATIVE AUXILIARY BATTERY TERMINAL	-	-	-	-



PROCEDURE		PART NAME CODE			
5	INTAKE MANIFOLD	17111	-	-	-
6	NO. 1 FUEL PRESSURE SENSOR HOLDER	23851	INFO	-	-
7	FUEL PRESSURE SENSOR	89458	INFO	-	-

•	Non-reusable part	-	-
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PROCEDURE

1. PRECAUTION

**NOTICE:**

After the ignition switch is turned off, there may be a waiting time before disconnecting the negative (-) auxiliary battery terminal.

Click here [INFO](#)

2. DISCHARGE FUEL SYSTEM PRESSURE

Click here [INFO](#)

3. REMOVE BATTERY SERVICE HOLE COVER ASSEMBLY



Click here [INFO](#)

4. DISCONNECT CABLE FROM NEGATIVE AUXILIARY BATTERY TERMINAL

Click here [INFO](#)

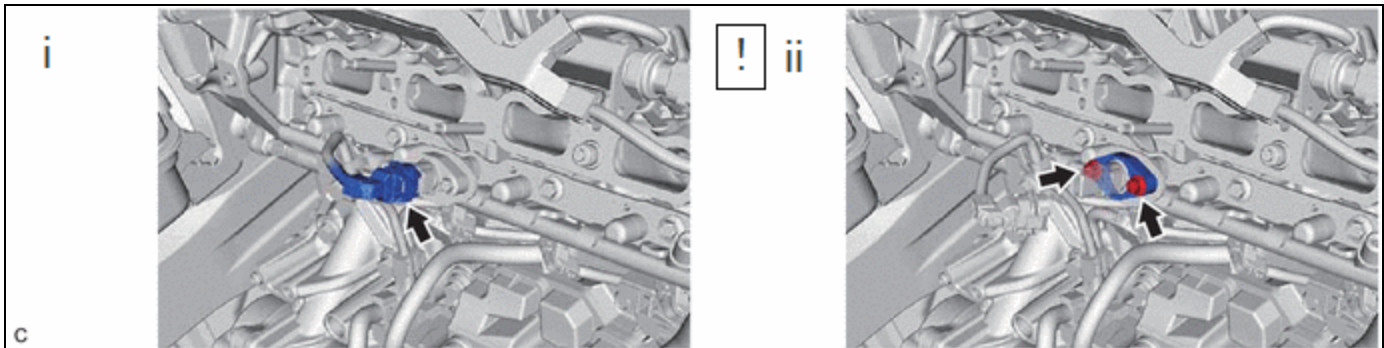
5. REMOVE INTAKE MANIFOLD

Click here [INFO](#)

6. REMOVE NO. 1 FUEL PRESSURE SENSOR HOLDER

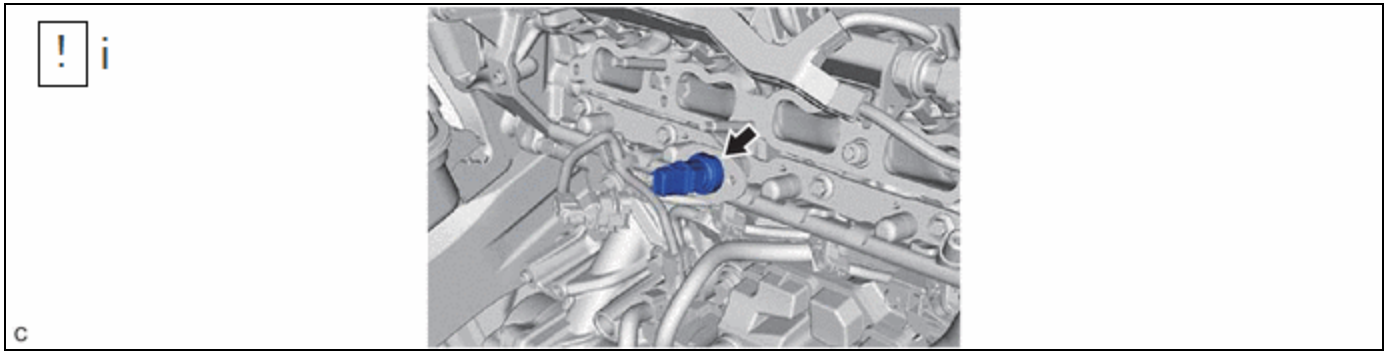
**CAUTION:**

To prevent serious injury due to fuel spray from the high-pressure fuel lines, always discharge fuel system pressure before removing any fuel system components.



- (1) Disconnect the fuel pressure sensor connector.
- (2) Using an 8 mm socket wrench, remove the 2 bolts and No. 1 fuel pressure sensor holder from the fuel delivery pipe.

7. REMOVE FUEL PRESSURE SENSOR



(1) Remove the fuel pressure sensor from the fuel delivery pipe.

NOTICE:

- Pull and remove the fuel pressure sensor in a straight line to avoid damaging the seal surface of the fuel delivery pipe O-ring.
- After removing the fuel pressure sensor, remove any O-ring and fuel injector back-up rings remaining on the fuel delivery pipe side.

