

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM100000002BNIJ
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: M20A-FXS (FUEL): FUEL PRESSURE SENSOR: REMOVAL; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

REMOVAL

CAUTION / NOTICE / HINT

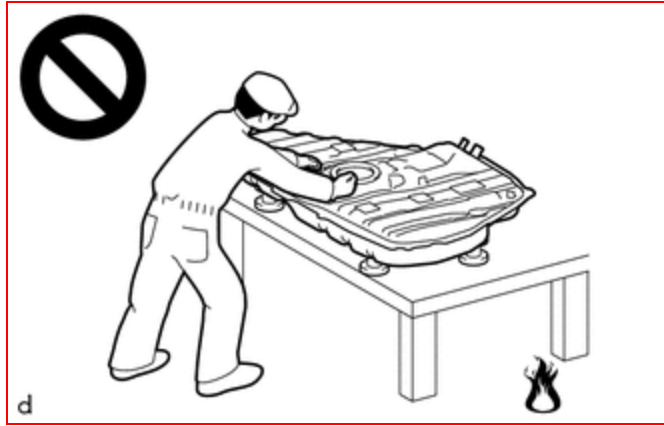
The necessary procedures (adjustment, calibration, initialization or registration) that must be performed after parts are removed and installed, or replaced during No. 2 fuel pressure sensor removal/installation are shown below.

Necessary Procedures After Parts Removed/Installed/Replaced

REPLACED PART OR PERFORMED PROCEDURE	NECESSARY PROCEDURE	EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED	LINK
Replacement of inverter with converter assembly	ECU configuration	-	INFO
	Resolver learning	<ul style="list-style-type: none"> DTCs are stored Slight vibration at a vehicle speed of 5 km/h (3 mph) or less Shock or vibration during acceleration 	for M20A-FXS HEV model: INFO for M20A-FXS PHEV model: INFO
Replacement of ECM	Update ECU security key	Vehicle Control History (RoB) are stored	INFO
	ECU configuration	-	INFO
	Perform Vehicle Identification Number (VIN) registration	DTC is output	INFO
<ul style="list-style-type: none"> Replacement of No. 2 fuel pressure sensor Replacement of EGR valve 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.



auxiliary battery terminal.

- Sparks could cause vaporized fuel to ignite, resulting in a serious accident.

NOTICE:

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

[Click here](#) INFO

- 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

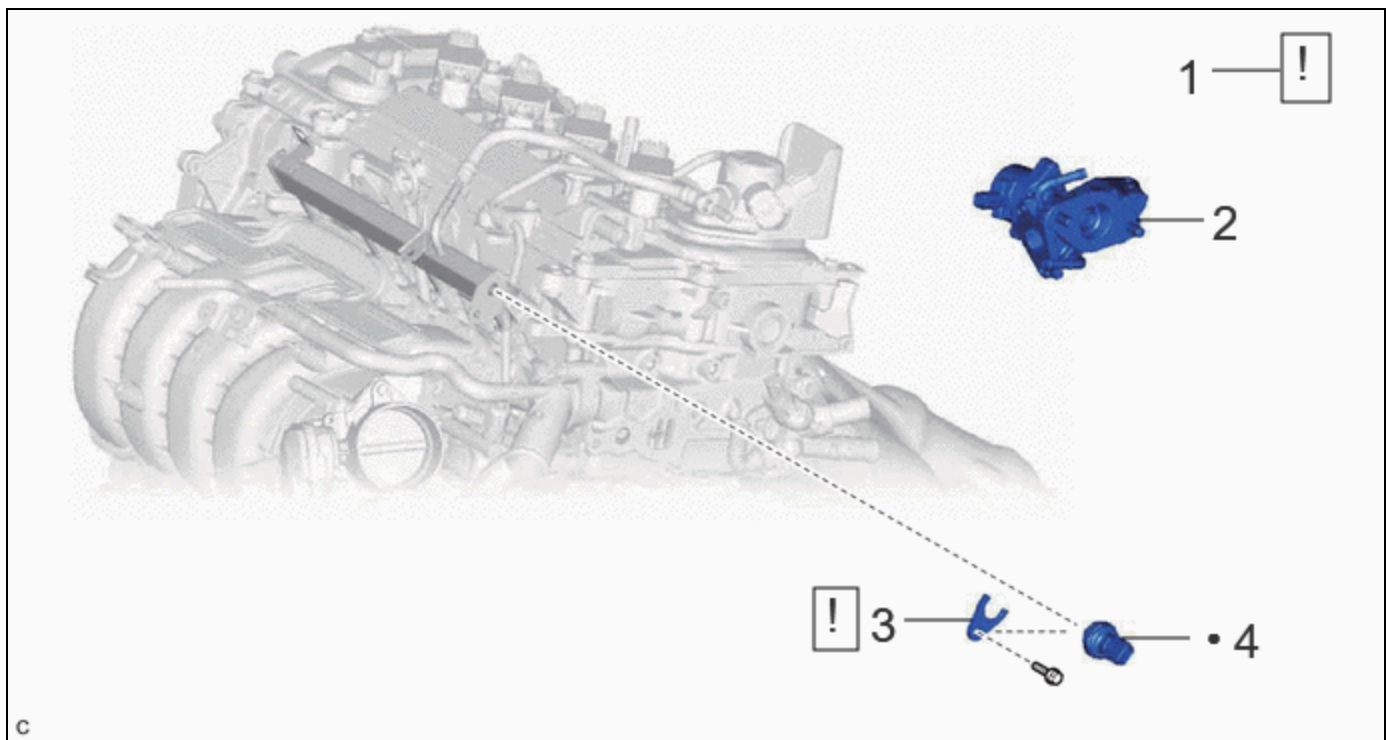
EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED	NECESSARY PROCEDURE	LINK
Front Camera System	Drive the vehicle straight ahead at 35 km/h (22 mph) or more for 5 seconds or more.	INFO




Learning completes when vehicle is operated normally

EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED	NECESSARY PROCEDURE	LINK
Power Door Lock Control System*1 • 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	DISCHARGE FUEL SYSTEM PRESSURE	-	INFO	-	-
2	EGR VALVE ASSEMBLY	25620	-	-	-
3	NO. 2 FUEL PRESSURE SENSOR HOLDER	23851A	INFO	-	-
4	NO. 2 FUEL PRESSURE SENSOR	89458H	-	-	-

•	Non-reusable part	-	-
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PROCEDURE

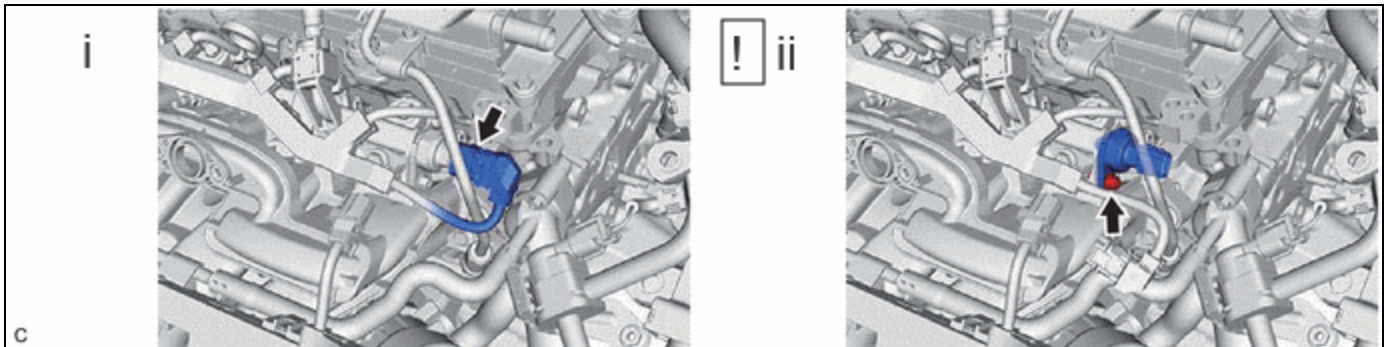
1. DISCHARGE FUEL SYSTEM PRESSURE

Click here [INFO](#)

2. REMOVE EGR VALVE ASSEMBLY

Click here [INFO](#)

3. REMOVE NO. 2 FUEL PRESSURE SENSOR HOLDER



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

4. REMOVE NO. 2 FUEL PRESSURE SENSOR

