Last Modified: 12-04-2024	6.11:8.1.0	**Doc ID:** RM100000002B7B2
Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [03/2023 -]
Title: HYBRID / BATTERY CONTROL: BATTERY VOLTAGE SENSOR (for PHEV Model): REMOVAL; 2023 - 2024 MY Prius Prime [03/2023 -]		

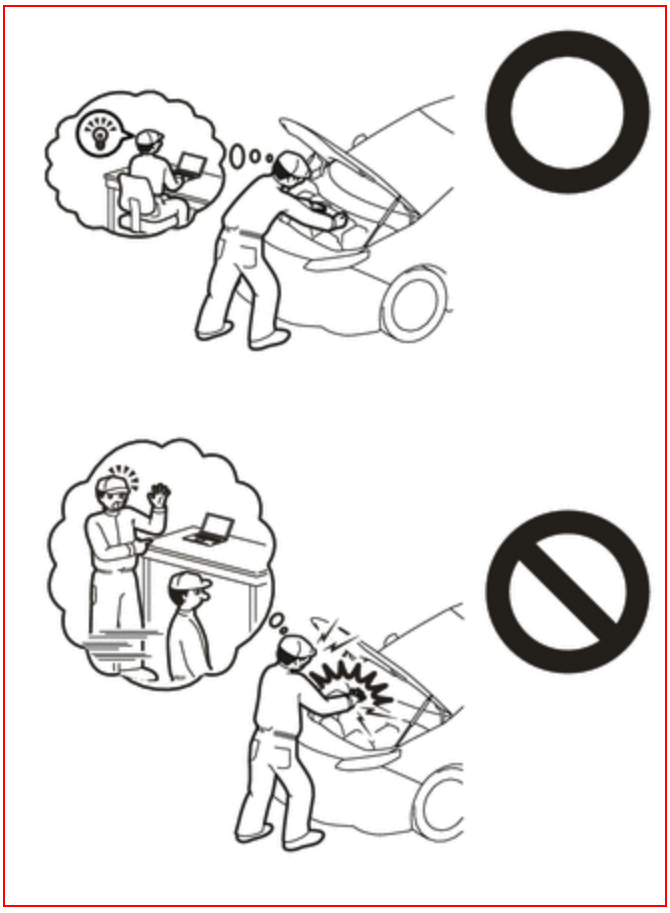
REMOVAL

CAUTION / NOTICE / HINT

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

CAUTION:

- Orange wire harnesses and connectors indicate high-voltage circuits. To prevent electric shock, always follow the procedure described in the repair manual.



Click here INFO

- To prevent electric shock, wear insulated gloves when working on wire harnesses and components of the high voltage system.

NOTICE:

- If the wrong type of battery voltage sensor is installed, the ignition switch cannot be turned on (READY).
- After installing the battery voltage sensor, perform the following to check that the ignition switch can be turned on (READY).
  - Turn the ignition switch to ON (READY).
  - Turn the ignition switch off and wait for 30 seconds or more.
  - Turn the ignition switch to ON (READY) again.
- After turning the ignition switch off, waiting time may be required before disconnecting the cable from the negative (-) auxiliary battery terminal.

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.

Items for which learning is completed by driving the vehicle

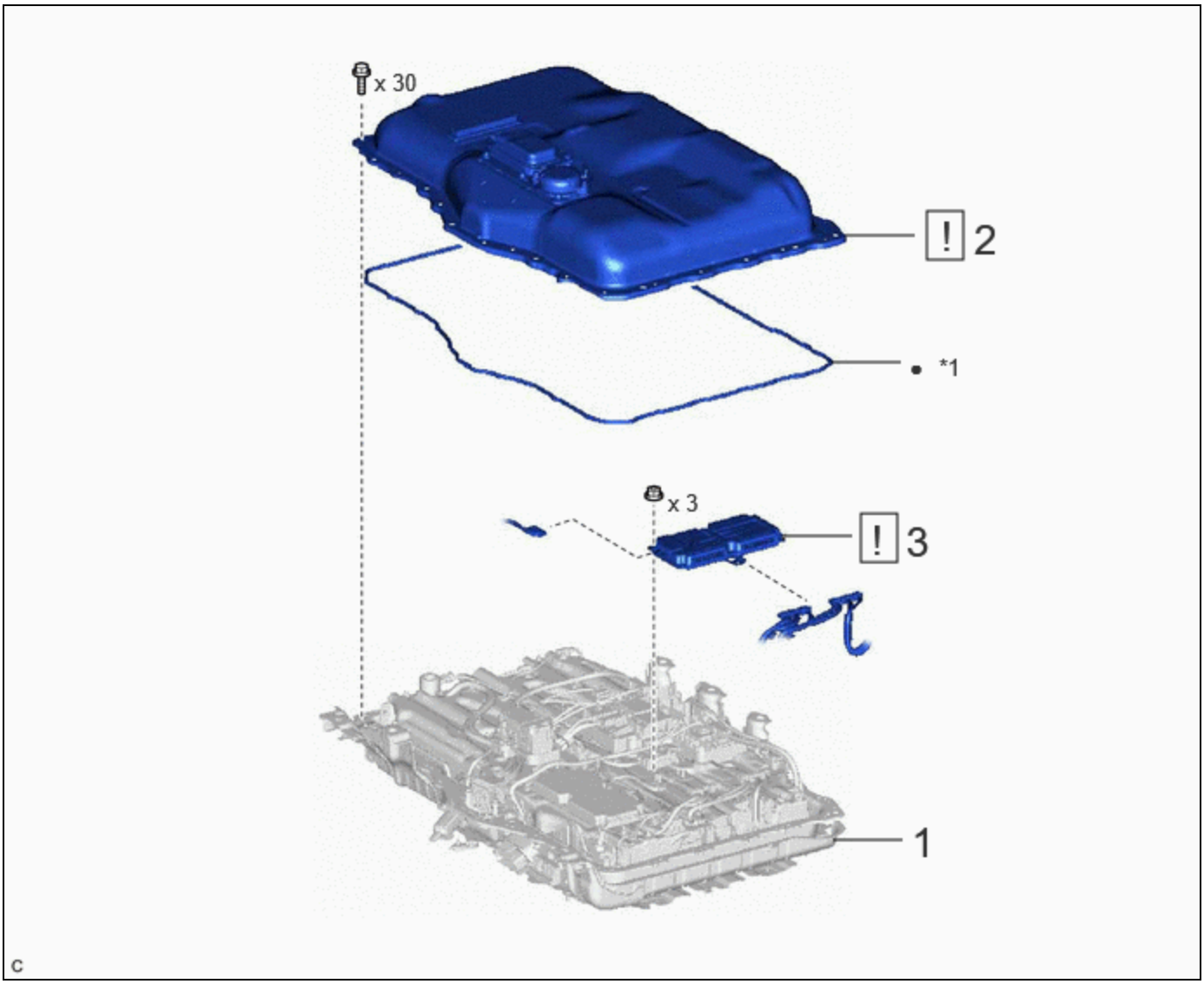
EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED	NECESSARY PROCEDURE	LINK
Front Camera System	Drive the vehicle straight ahead at 35 km/h (22 mph) or more for 5 seconds or more.	INFO

Items for which learning is completed by operating the vehicle 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	After the ignition switch is turned to ON, the servo motor and expansion valve standard position is recognized.	-
*1: w/o Power Back Door System *2: w/ Power Back Door System		

CAUTION / NOTICE / HINT

COMPONENTS (REMOVAL)



	PROCEDURE	PART NAME CODE	!		
1	HV SUPPLY BATTERY ASSEMBLY	G9510	-	-	-
2	NO. 1 TRACTION BATTERY COVER	-	INFO	-	-
3	BATTERY VOLTAGE SENSOR	89892A	INFO	-	-

*1	NO. 1 HV BATTERY SEAL	-	-
•	Non-reusable part	-	-

PROCEDURE

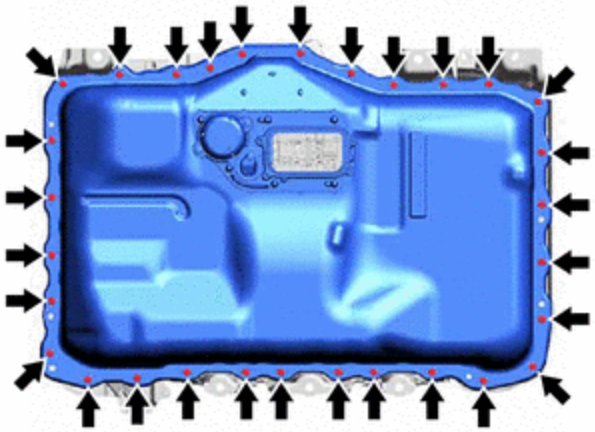
1. REMOVE HV SUPPLY BATTERY ASSEMBLY

Click here INFO

2. REMOVE NO. 1 TRACTION BATTERY COVER

!	**CAUTION:** Be sure to wear insulated gloves.

! i, ii



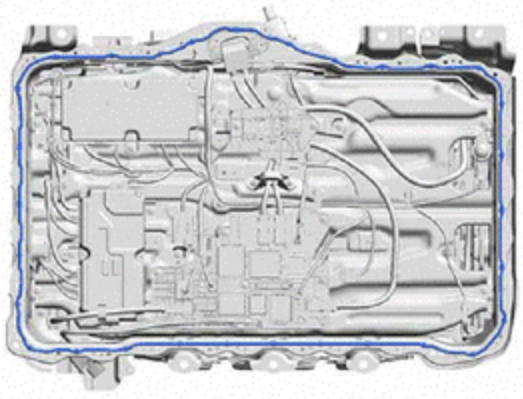
C

(1) Clean the area around the HV supply battery assembly.

NOTICE:

- When cleaning, use a clean, dry cloth.
- Do not use compressed air or solvents to clean.

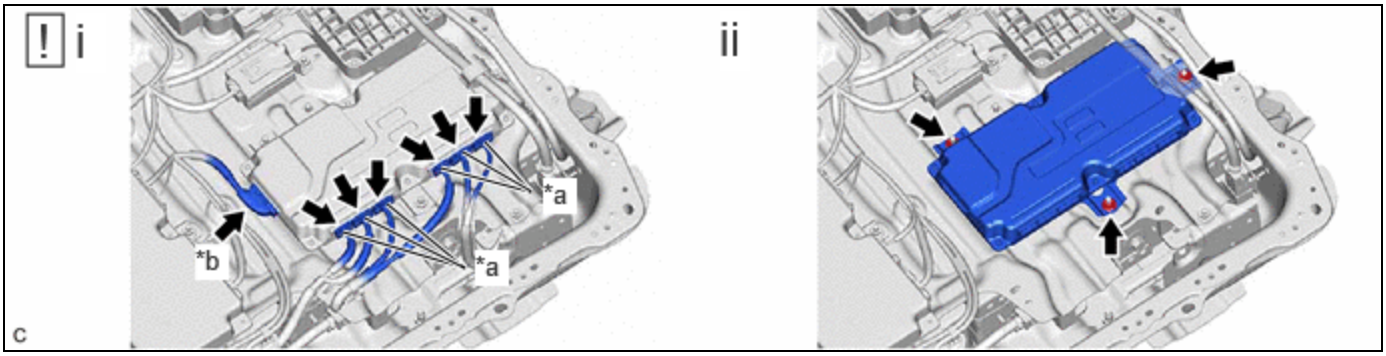
(2) Remove the 30 bolts and No. 1 traction battery cover from the HV supply battery assembly.



C

3. REMOVE BATTERY VOLTAGE SENSOR

!	**CAUTION:** Be sure to wear insulated gloves and protective goggles.



*a	High-voltage connector	*b	Low-voltage connector

(1) Disconnect the 6 high-voltage connectors.

(2) Make sure to confirm that the high-voltage connector is disconnected, and then disconnect the low-voltage connector.

(3) Remove the 3 nuts and battery voltage sensor from the HV supply battery assembly.

NOTICE:

If the battery voltage sensor has been struck or dropped, replace it.