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Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [03/2023 -]
Title: HYBRID / BATTERY CONTROL: HV BATTERY STACK (for PHEV Model): DISCHARGING; 2023 - 2024 MY Prius Prime [03/2023 -]		

DISCHARGING

PROCEDURE

1. DISCHARGING

CAUTION:

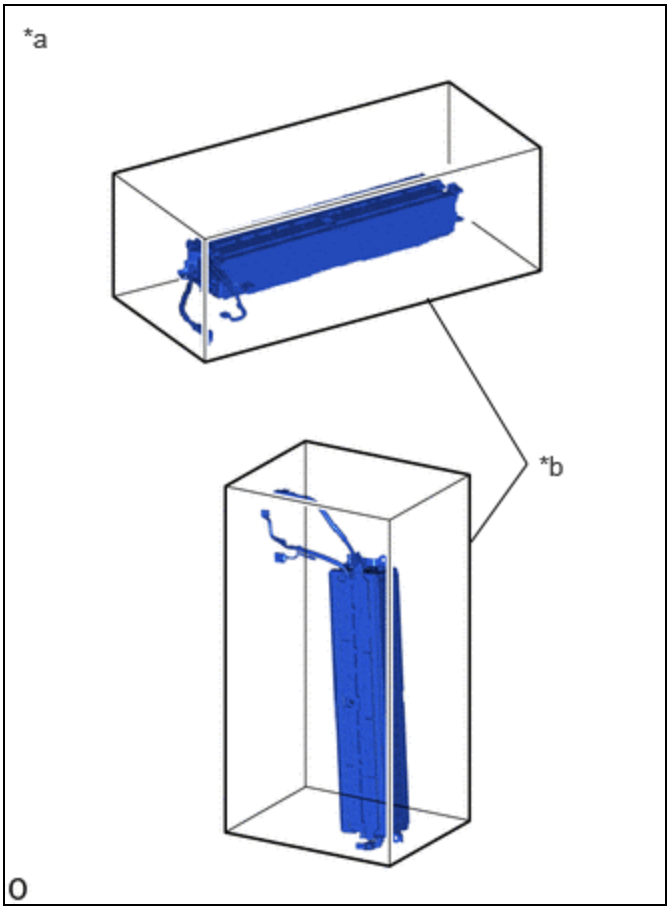
Be sure to wear insulated gloves and protective goggles.

NOTICE:

- When discharging using salt water solution, first add a measured amount of water to the container, and then add the concentrated salt water solution.
- Calculate the salt water concentration based on the measured volume of water in the container so that a 1% salt water solution will be made after adding the concentrated salt water solution to the water in the container where the HV supply stack sub-assembly is set.

(a) Prepare HV supply stack sub-assembly

(1) Set the HV supply stack sub-assembly in the container (A).



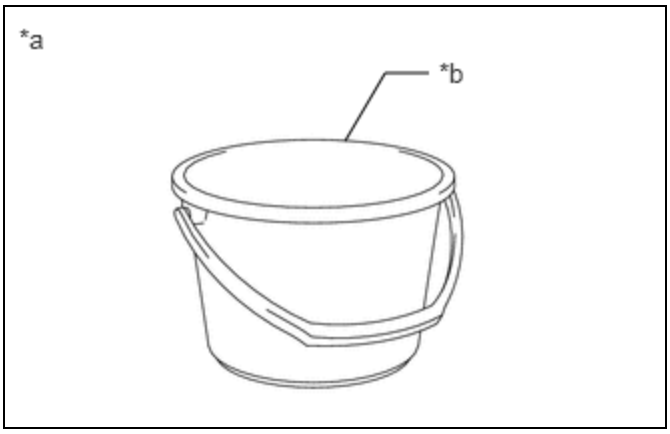
*a	Example
*b	Container A

(b) Prepare to discharge (Add water to container)

(1) Measure the water capacity of the container (B).

HINT:

Water capacity of the container (B) is assumed as X (liters).

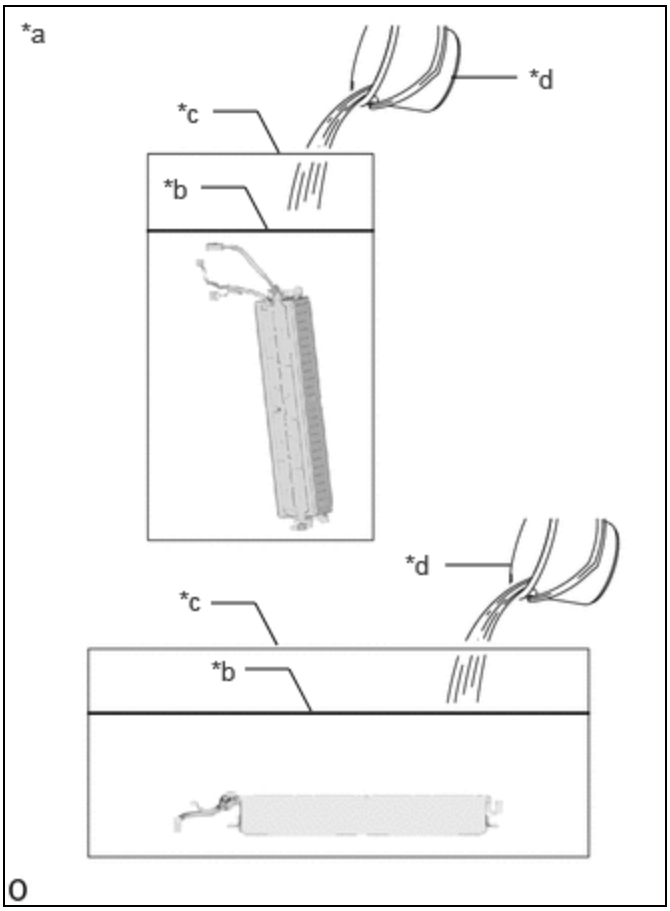


*a	Example
*b	Container B

(2) Using the container (B), add water to the container (A) until the HV supply stack sub-assembly is completely submerged.

NOTICE:

Make sure to record the times the container (B) was filled with water to add water to the container (A).



*a	Example
*b	Water Surface
*c	Container A
*d	Container B

(3) Using the following formula, calculate the amount of water added to the container (A).

Amount of water added to the container (A):
Y (liters) = Water capacity of the container (B) x Number of times the container (B) was filled with water to submerge the HV supply stack sub-assembly

HINT:

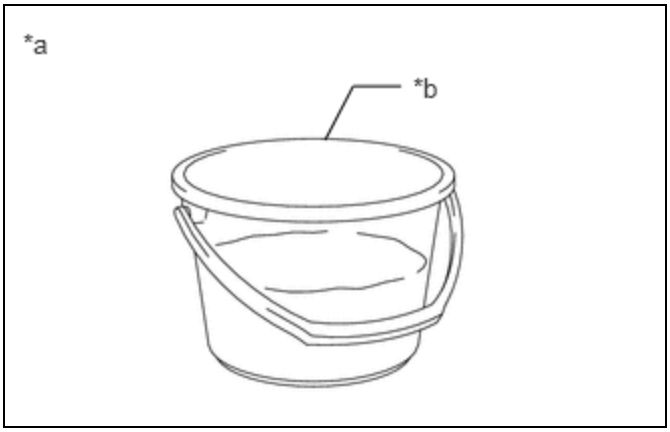
Amount of water added to the container (A) is assumed as Y (liters).

(c) Prepare salt water solution

(1) While measuring the amount of water, fill about half of the container (B) with water.

HINT:

Amount of water added to the container (B) is assumed as Z (liters).

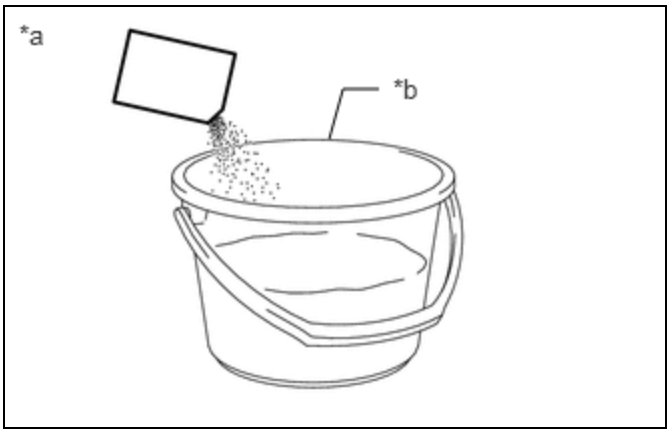


*a	Example
*b	Container B

(2) Calculate the amount of salt to be added to the container (A) so that a 1% salt water solution will be made.

Amount of Salt:
Amount of salt (kg) = (Y (liters) + Z (liters)) x 0.01

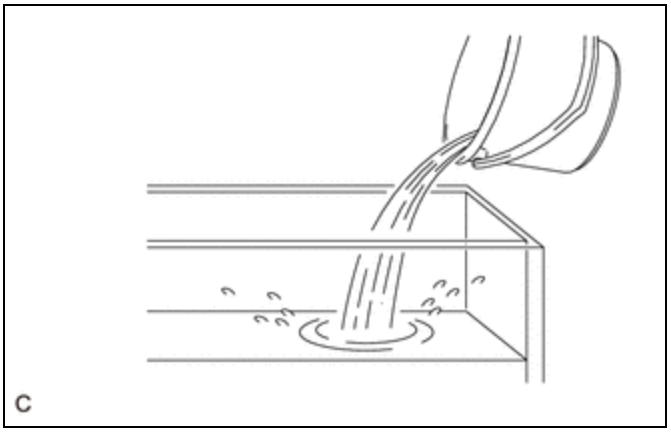
(3) Add the calculated amount of salt to the container (B) and stir it thoroughly.



*a	Example
*b	Container B

(d) Add salt water solution

(1) Add the concentrated salt water solution to the container (A).



(e) Discharge

(1) Leave the HV supply stack sub-assembly as is for 24 hours or more until discharge is complete.

CAUTION:

- Do not place a lid on the container.
- Make sure to leave the HV supply stack sub-assembly and container as is for 24 hours or more.
- Display a warning sign to inform others that discharge is being performed.

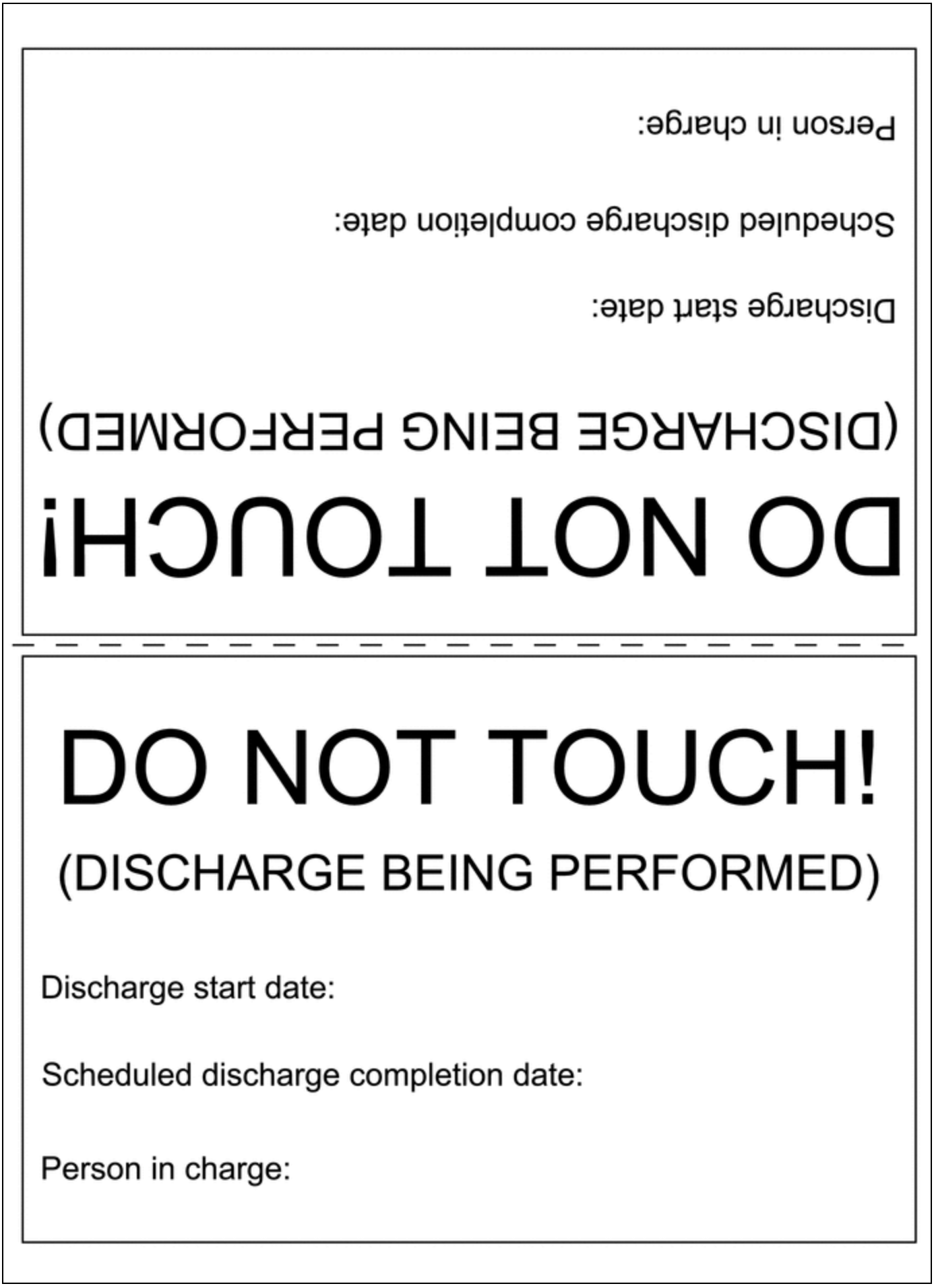
(f) Confirm discharge completion

(1) Check that bubbles are not forming in the container.

NOTICE:

If bubbles are forming, discharge may not be completed yet. Do not place a lid on the container.

(g) Display a warning sign such as "DO NOT TOUCH! (DISCHARGE BEING PERFORMED) to inform others. Make a copy of the warning sign and place it near the HV supply stack sub-assembly being discharged.


DO NOT TOUCH!
(DISCHARGE BEING PERFORMED)
Discharge start date:
Scheduled discharge completion date:
Person in charge:
DO NOT TOUCH!
(DISCHARGE BEING PERFORMED)
Discharge start date:
Scheduled discharge completion date:
Person in charge: