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Model Year Start: 2023	**Model:** Prius	**Prod Date Range:** [12/2022 -]
Title: HYBRID / BATTERY CONTROL: HV BATTERY (for HEV Model): RECOVERY INSPECTION; 2023 - 2024 MY Prius [12/2022 -]		

RECOVERY INSPECTION

CAUTION / NOTICE / HINT

CAUTION:

- When disposing of an HV battery, make sure to return it through an authorized collection agent who is capable of handling it safely. If the HV battery is returned via the manufacturer specified route, it will be returned properly and in a safe manner by an authorized collection agent.
- Before returning the HV battery, make sure to perform a pre-return inspection.
- Accidents such as electric shock may result if the HV battery is discharged improperly and disposed or abandoned.

  Therefore, make sure to return the HV battery through an authorized collection agent.
- To reduce the risk of fire, HV battery must not be stored in an area where they will be exposed to fire or high temperatures.
- If the temperature of the HV battery is high, leave it to cool down.

HINT:

In order to return the HV battery in a safe manner, it may be necessary to discharge it. The following pre-return inspection procedure can be used to determine whether or not it is necessary to discharge the HV battery the method that may be required.

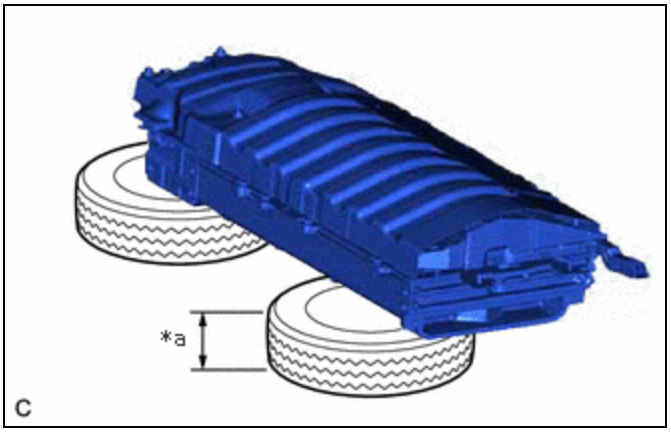
PROCEDURE

1.	**INSPECT FOR ELECTROLYTE LEAK**

CAUTION:

- Be sure to wear insulated gloves and protective goggles.
- Perform this procedure in an area where the battery will not be exposed to fire.
- Do not touch the HV battery, unless absolutely necessary, as electrolyte may be leaking.

(a) Position the HV battery as shown in the illustration and leave it for 5 minutes.



*a	155 mm (6.10 in.) or more

(b) Check that no electrolyte is leaking from the HV battery.

OK:

There is no electrolyte leaking from the HV battery.

NOTICE:

If there is an electrolyte leak, make sure to wear insulated gloves and goggles and clean it using a piece of cloth. Do not leave electrolyte-contaminated cloths unattended. Dispose of them according to law or local regulations.

NG ▶ **DISCHARGING (WHEN USING THE SALT WATER SOLUTION)**

OK ▼

2.	**CHECK FOR DTCS**

(a) Check the previously recorded DTCs which resulted in replacement of the HV battery.

RESULT	PROCEED TO
DTC record not available.	A
The HV battery was replaced due to a reason other than the DTCs listed in the following table.	B
The HV battery was replaced due to one of the DTCs listed in the following table.	C

DTC NO.
P1A6017
P31AA17
P0C3000
P31B300
P1C7D49

B ▶ **GO TO STEP 5**

C ▶ **DISCHARGING (WHEN USING THE SALT WATER SOLUTION)**

A ▼

3.	**CHECK HV BATTERY VOLTAGE**

CAUTION:

- Wear insulated gloves.
- Make sure not to cross the probes of the electrical tester.

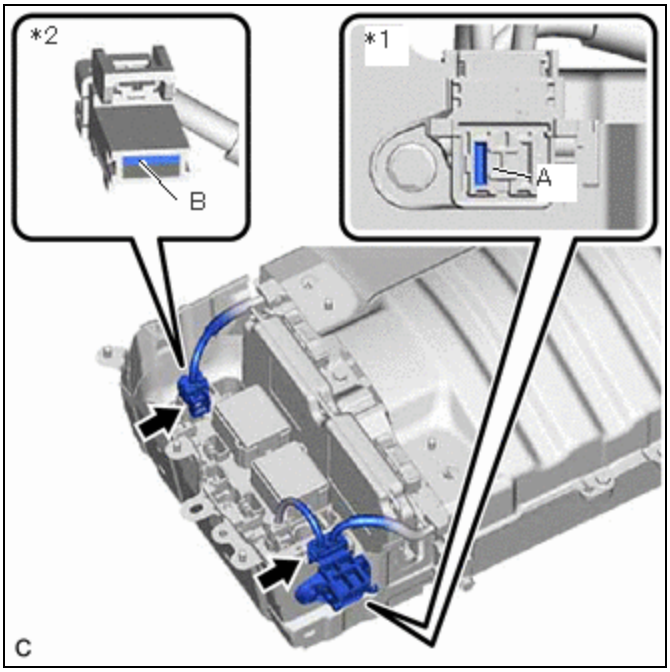
(a) Measure the voltage according to the value(s) in the table below.

Standard Voltage (for M20A-FXS):

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
A - B	Always	Below 222.0 V

Standard Voltage (for 2ZR-FXE):

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
A - B	Always	Below 207.2 V



*1	No. 2 HV Battery Main Cable (A)
*2	No. 1 HV Battery Main Cable (B)

NG ▶ **DISCHARGING (WHEN USING THE SALT WATER SOLUTION)**

OK ▼

4.	**INSULATION INSPECTION OF HV BATTERY**

CAUTION:

Wear insulated gloves.

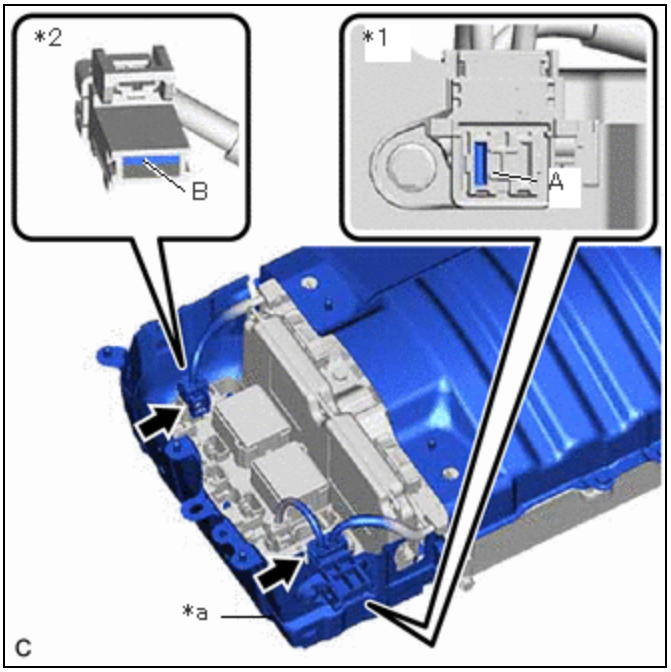
(a) Using a megohmmeter set to 500 V, measure the insulation resistance according to the value(s) in the table below.

NOTICE:

Be sure to set the megohmmeter to 500 V when performing this test. Using a setting higher than 500 V can result in damage to the component being inspected.

Standard Resistance:

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
A - Battery Outer Case	Always	1 MΩ or higher
B - Battery Outer Case	Always	1 MΩ or higher



*1	No. 2 HV Battery Main Cable (A)
*2	No. 1 HV Battery Main Cable (B)
*a	Battery Outer Case

NG ▶ **DISCHARGING (WHEN USING THE SALT WATER SOLUTION)**

OK ▼

5.	**HV BATTERY VISUAL CHECK**

CAUTION:

Wear insulated gloves.

(a) Check that the HV battery is not deformed or damaged.

OK:

The HV battery is not deformed or damaged.

OK ▶ **RETURN HV BATTERY**

NG ▶ **DISCHARGING (WHEN USING THE SALT WATER SOLUTION)**