

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM10000002B7BQ
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: HYBRID / BATTERY CONTROL: HV BATTERY STACK (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 HV supply stack sub-assembly 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 HV supply stack sub-assembly	<ol style="list-style-type: none"> Battery status info update Battery diagnosis 	HV battery status information cannot be updated	INFO

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.

- The hybrid system has high-voltage circuits. Accidents, such as electric shock, or electric leaks may result if the hybrid system is not operated in a correct manner. Make sure to follow the correct procedure.
- When disposing of an HV supply battery assembly or HV supply stack sub-assembly, make sure to return them through an authorized collection agent who is capable of handling them safely.
- Before returning an HV supply stack sub-assembly, make sure to perform a recovery inspection.
- Make a note of the output DTCs as some of them may be necessary for "Recovery Inspection" of the HV supply battery assembly and HV supply stack sub-assemblies.

NOTICE:

After turning the ignition switch off, waiting time may be required before disconnecting the cable from the negative (-) auxiliary battery terminal.

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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

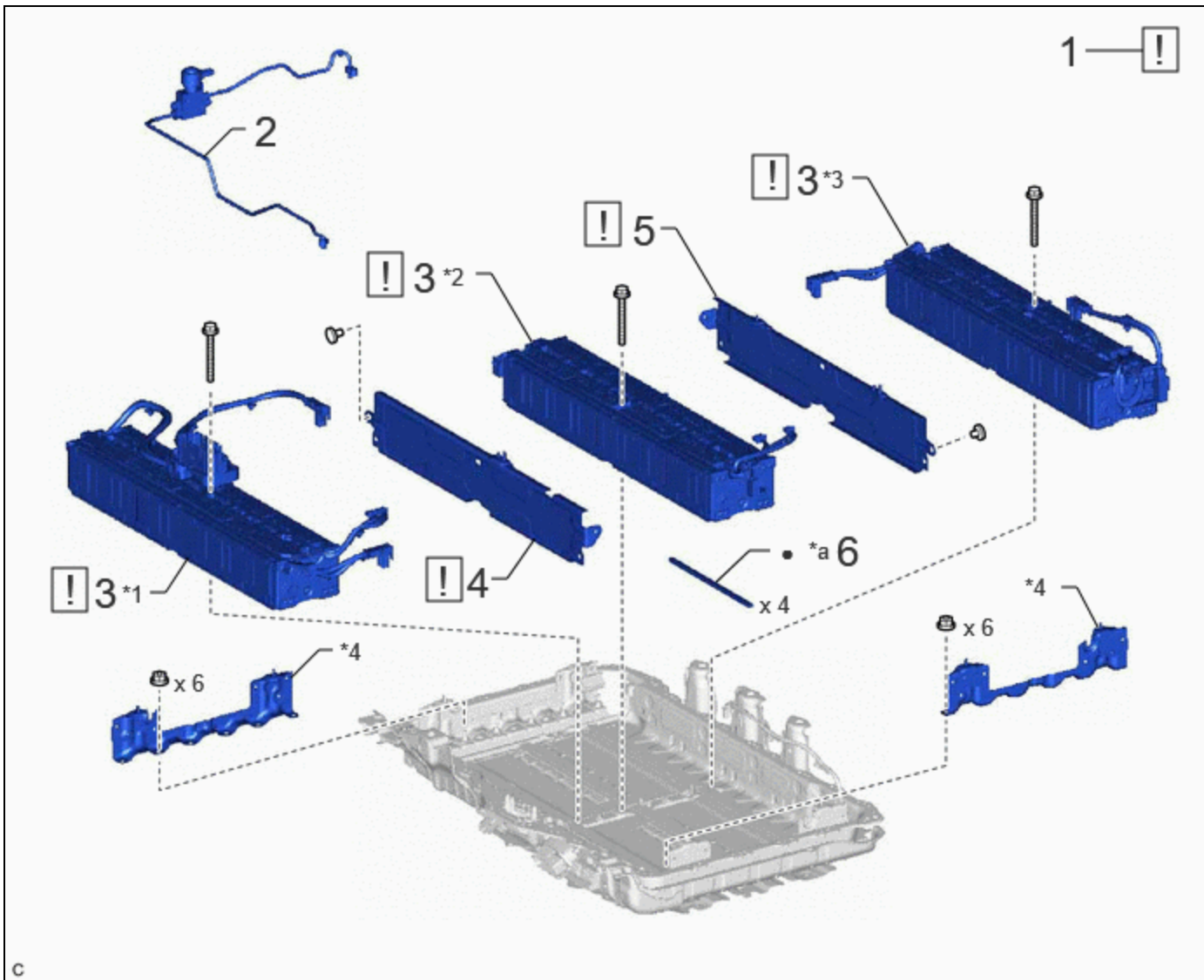
EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED	NECESSARY PROCEDURE	LINK
Power Door Lock Control System*1 <ul style="list-style-type: none"> Back door opener 	Perform door unlock operation with door control switch or electrical key transmitter sub-assembly switch.	INFO
Power Back Door System*2	Reset back door close position	INFO
Air Conditioning System	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

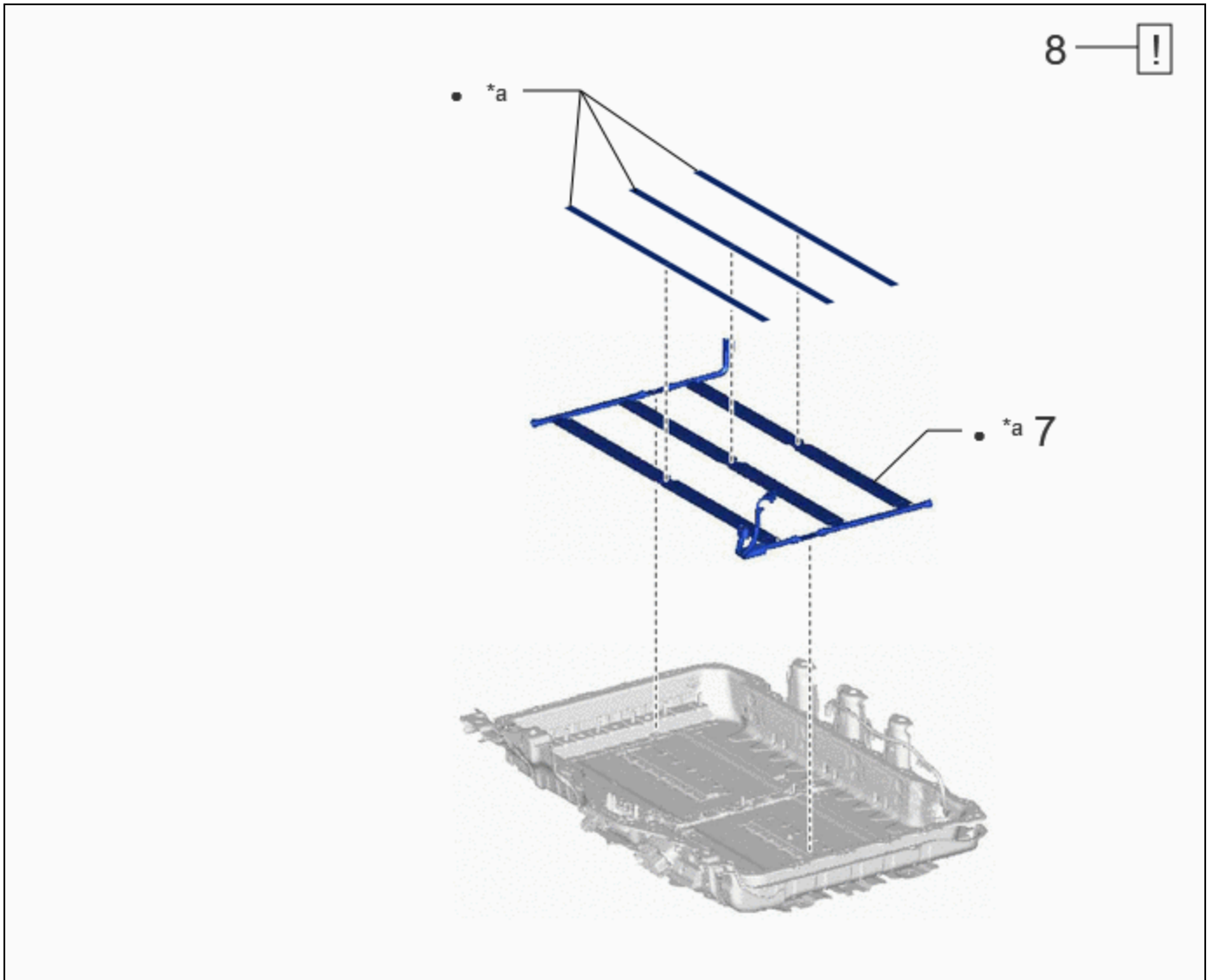
CAUTION / NOTICE / HINT

COMPONENTS (REMOVAL)



PROCEDURE		PART NAME CODE			
1	READ VALUE USING GTS	-	INFO	-	-
2	NO. 1 TRACTION BATTERY COOLER TUBE	G96N1	-	-	-
3	HV SUPPLY STACK SUB-ASSEMBLY	-	INFO	-	-
4	NO. 17 TRACTION BATTERY BRACKET	G963H	INFO	-	-
5	NO. 18 TRACTION BATTERY BRACKET	G963J	INFO	-	-
6	NO. 2 TRACTION BATTERY COOLER SHEET	-	-	-	-

*1	NO. 1 HV SUPPLY STACK SUB-ASSEMBLY	*2	NO. 2 HV SUPPLY STACK SUB-ASSEMBLY
*3	NO. 3 HV SUPPLY STACK SUB-ASSEMBLY	*4	NO. 16 TRACTION BATTERY BRACKET
*a	Parts requiring replacement with new ones when replacing the HV supply stack sub-assembly	-	-
•	Non-reusable part	-	-

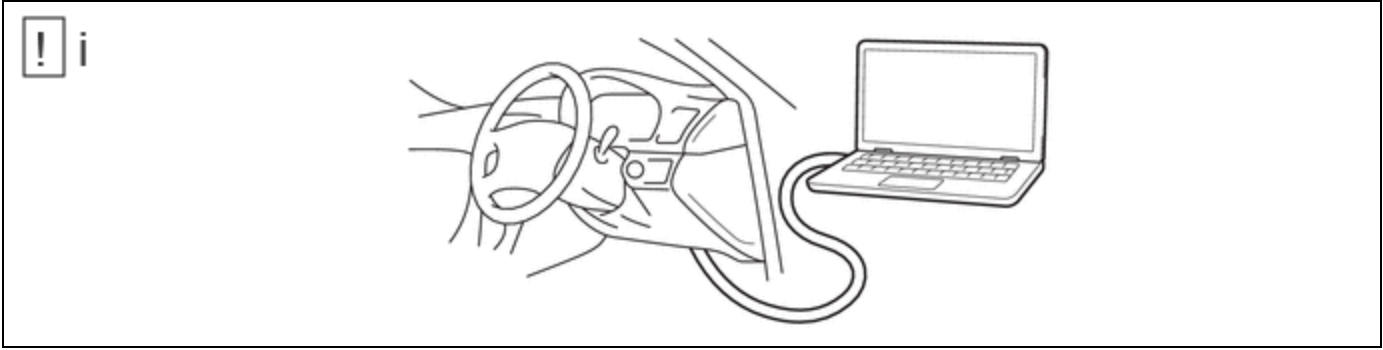


	PROCEDURE	PART NAME CODE			
7	NO. 1 TRACTION BATTERY COOLER CONDUCTOR	-	-	-	-
8	PERFORM RECOVERY INSPECTION	-	INFO	-	-

*a	Parts requiring replacement with new ones when replacing the HV supply stack sub-assembly	-	-
•	Non-reusable part	-	-

PROCEDURE

1. READ VALUE USING GTS



(1) Read the Data List.

Powertrain > HV Battery > Data List

TESTER DISPLAY
Hybrid/EV Battery Temperature 1
Hybrid/EV Battery Temperature 2
Hybrid/EV Battery Temperature 3
Hybrid/EV Battery Temperature 4
Hybrid/EV Battery Temperature 5
Hybrid/EV Battery Temperature 6
Hybrid/EV Battery Temperature 7
Hybrid/EV Battery Temperature 8
Hybrid/EV Battery Temperature 9
Hybrid/EV Battery Temperature 10
Hybrid/EV Battery Temperature 11
Hybrid/EV Battery Temperature 12
Hybrid/EV Battery Temperature 13

TESTER DISPLAY
Hybrid/EV Battery Temperature 14
Hybrid/EV Battery Temperature 15
Hybrid/EV Battery Temperature 16
Hybrid/EV Battery Temperature 17
Hybrid/EV Battery Temperature 18
Hybrid/EV Battery Temperature 19
Hybrid/EV Battery Temperature 20

NOTICE:

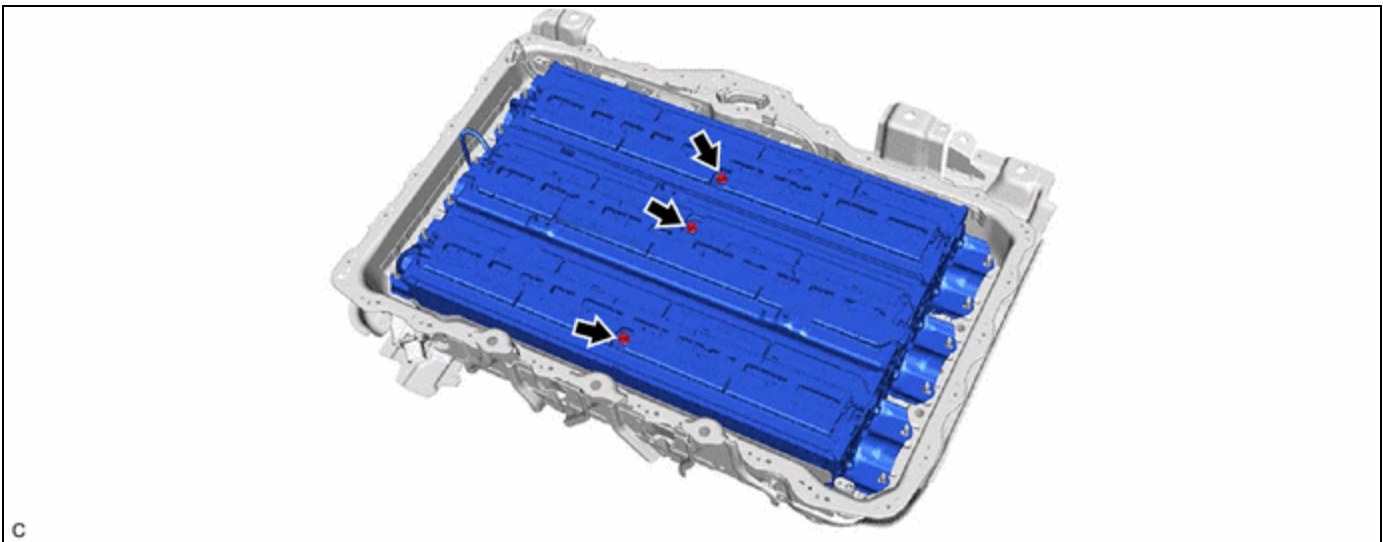
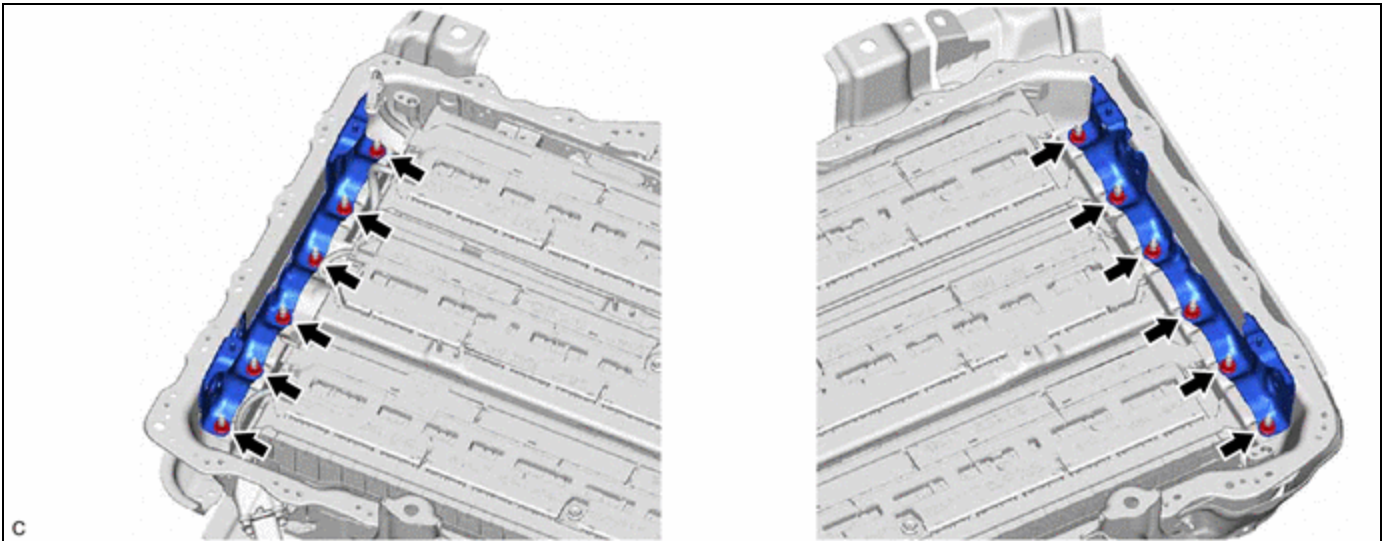
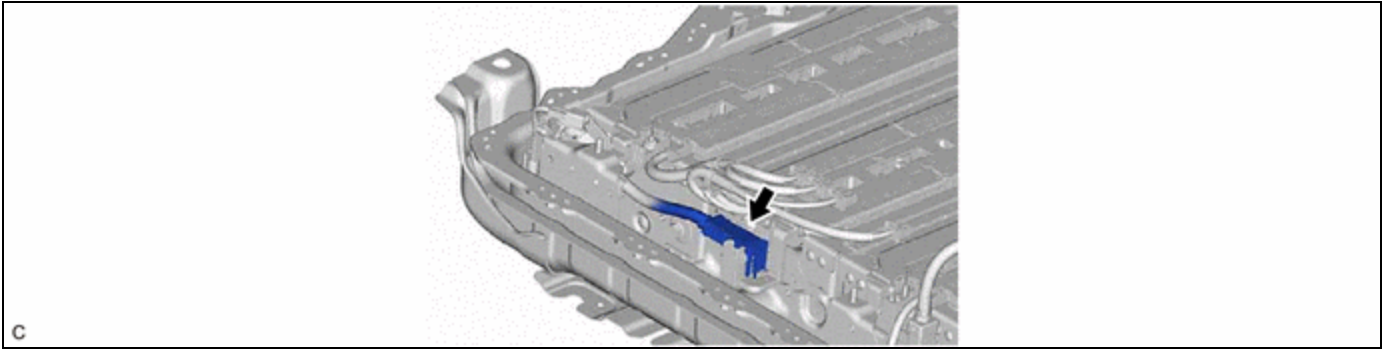
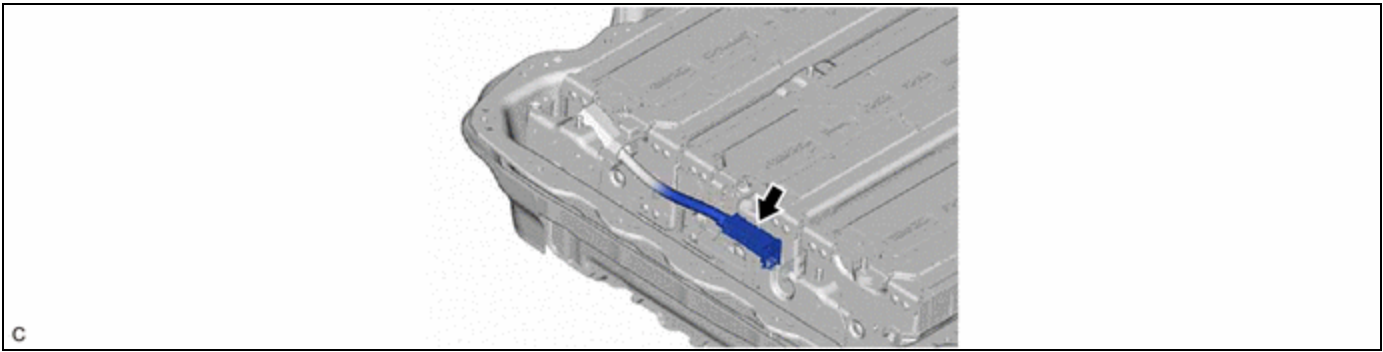
If any of the temperatures listed in "Hybrid Battery Temperature 1 to 20" are 50°C or more, leave the vehicle until the temperature drops to less than 50°C.

2. REMOVE NO. 1 TRACTION BATTERY COOLER TUBE

Click here [INFO](#)

3. REMOVE HV SUPPLY STACK SUB-ASSEMBLY

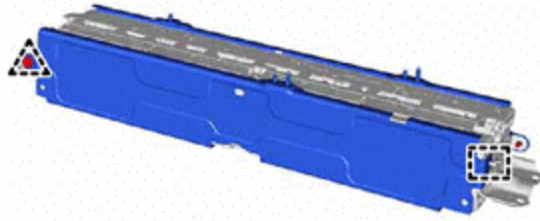
	<p>CAUTION: Be sure to wear insulated gloves and protective goggles.</p>
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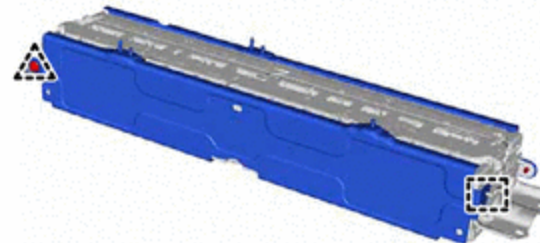
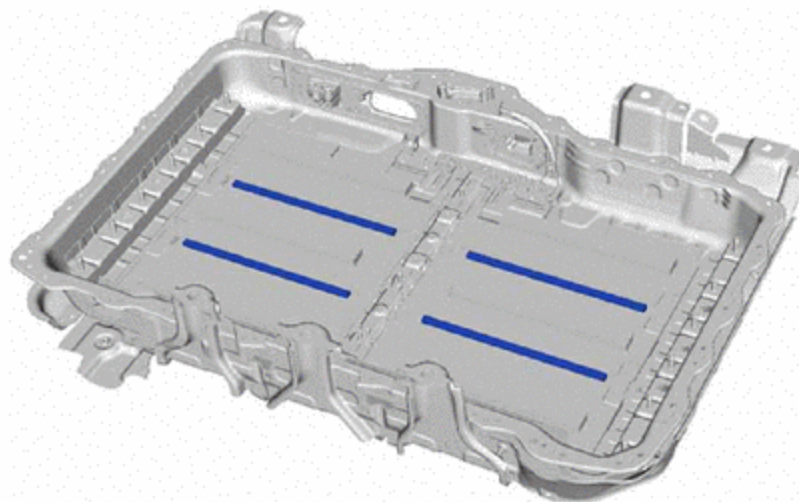
4. REMOVE NO. 17 TRACTION BATTERY BRACKET

**CAUTION:**

Be sure to wear insulated gloves and protective goggles.


**5. REMOVE NO. 18 TRACTION BATTERY BRACKET****CAUTION:**

Be sure to wear insulated gloves and protective goggles.

**6. REMOVE NO. 2 TRACTION BATTERY COOLER SHEET**

c

7. REMOVE NO. 1 TRACTION BATTERY COOLER CONDUCTOR

Click here 

8. PERFORM RECOVERY INSPECTION

(a) Before returning the HV supply stack sub-assembly, make sure to perform a recovery inspection.

Click here 

