

Last Modified: 07-09-2025	6.11:8.1.0	Doc ID: RM100000002KAKJ
Model Year Start: 2024	Model: Tacoma HV	Prod Date Range: [03/2024 -]
Title: HYBRID / BATTERY CONTROL: HV BATTERY: REMOVAL; 2024 - 2025 MY Tacoma HV [03/2024 -]		

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 battery assembly removal/installation are shown below.

Necessary Procedures After Parts Removed/Installed/Replaced

REPLACED PART OR PERFORMED PROCEDURE	NECESSARY PROCEDURES	EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURE NOT PERFORMED	LINK
HV battery	Battery status info update	HV battery status information cannot be updated	INFO
Hybrid battery terminal block	High voltage fuse accumulated load history reset	DTCs are stored	

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



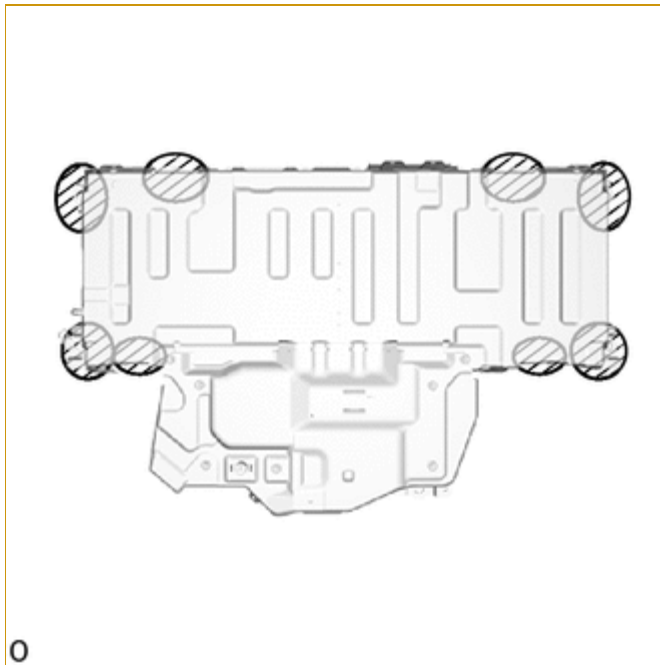
high voltage system.

NOTICE:

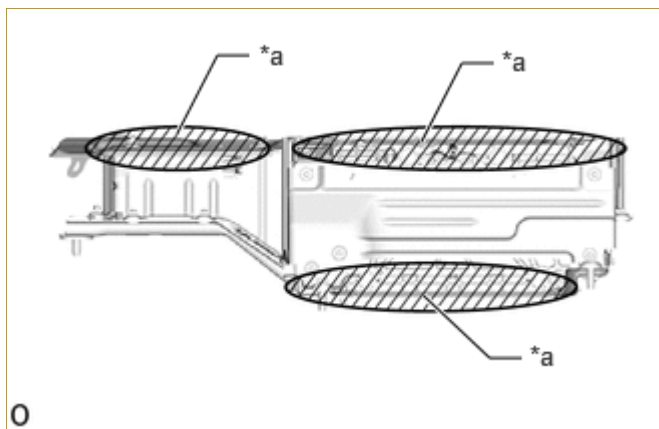
- If the HV supply battery assembly has been struck or dropped, replace it.
- When connecting a connector to the HV supply battery assembly, confirm that the connector is securely connected through the following:
 - Push the connector until a click sound is heard.
 - Visually check and confirm that the connector is securely connected by pulling on it.
- Make sure to insulate the high-voltage connectors and terminals of the HV supply battery assembly with insulating tape after removing it.

If the HV supply battery assembly stored without insulating the connectors and terminals, electric shock or fire may result.

- When performing repairs around the HV supply battery assembly, such as using a tap, do not allow metal shavings to enter the HV supply battery assembly.
- Do not touch any high voltage wire harnesses, connectors or parts with bare hands.
- Hold the areas shown in the illustration and lift the HV supply battery assembly.



- Do not allow foreign matter, such as grease or oil, to adhere to the bolts or nuts of the HV supply battery assembly.
- Do not put your hands into the openings of the HV supply battery assembly.



*a Opening

- When removing/installing/moving the HV supply battery assembly, make sure not to tilt it more than 80°.
- Do not climb on top of or stand on the HV supply battery assembly.
- Do not allow any foreign matter or water to enter the HV supply battery assembly.
- If any bolts, nuts or clips are dropped into the HV supply battery assembly, make sure to remove them.

HINT:

- When disposing of an HV supply battery assembly, make sure to return it through an authorized collection agent who is capable of handling it safely. If the HV supply battery assembly is returned via the manufacturer specified route, it will be returned properly and in a safe manner by an authorized collection agent.
- When the cable is disconnected / reconnected to the 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

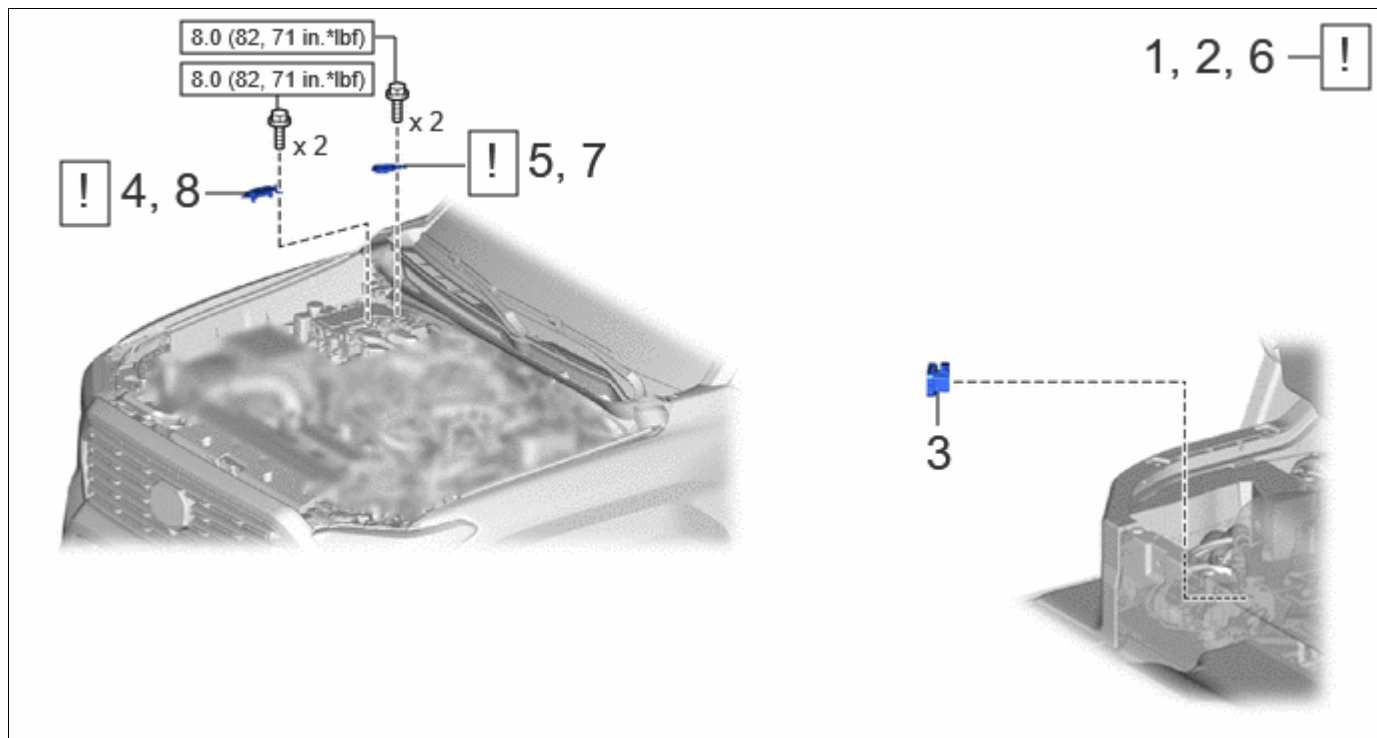
EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURES ARE NOT PERFORMED	NECESSARY PROCEDURES	LINK
Stop and start system	Drive the vehicle straight ahead at 35 km/h (22 mph) or more for 5 seconds or more.	INFO
Front camera system	Drive the vehicle straight ahead at 35 km/h (22 mph) or more for 5 seconds or more.	INFO

Learning completes when vehicle is operated normally

EFFECT/INOPERATIVE FUNCTION WHEN NECESSARY PROCEDURES ARE NOT PERFORMED	NECESSARY PROCEDURES	LINK
Air conditioning system	After the ignition switch is turned to ON, the servo motor and expansion valve standard position is recognized.	-
Power running board system	After turning the ignition switch to ON, opening the door, and then fully deployed the power running board system, close the door and stowed the power running board system.	INFO
Power tail gate system	Reset tail gate close position.	INFO

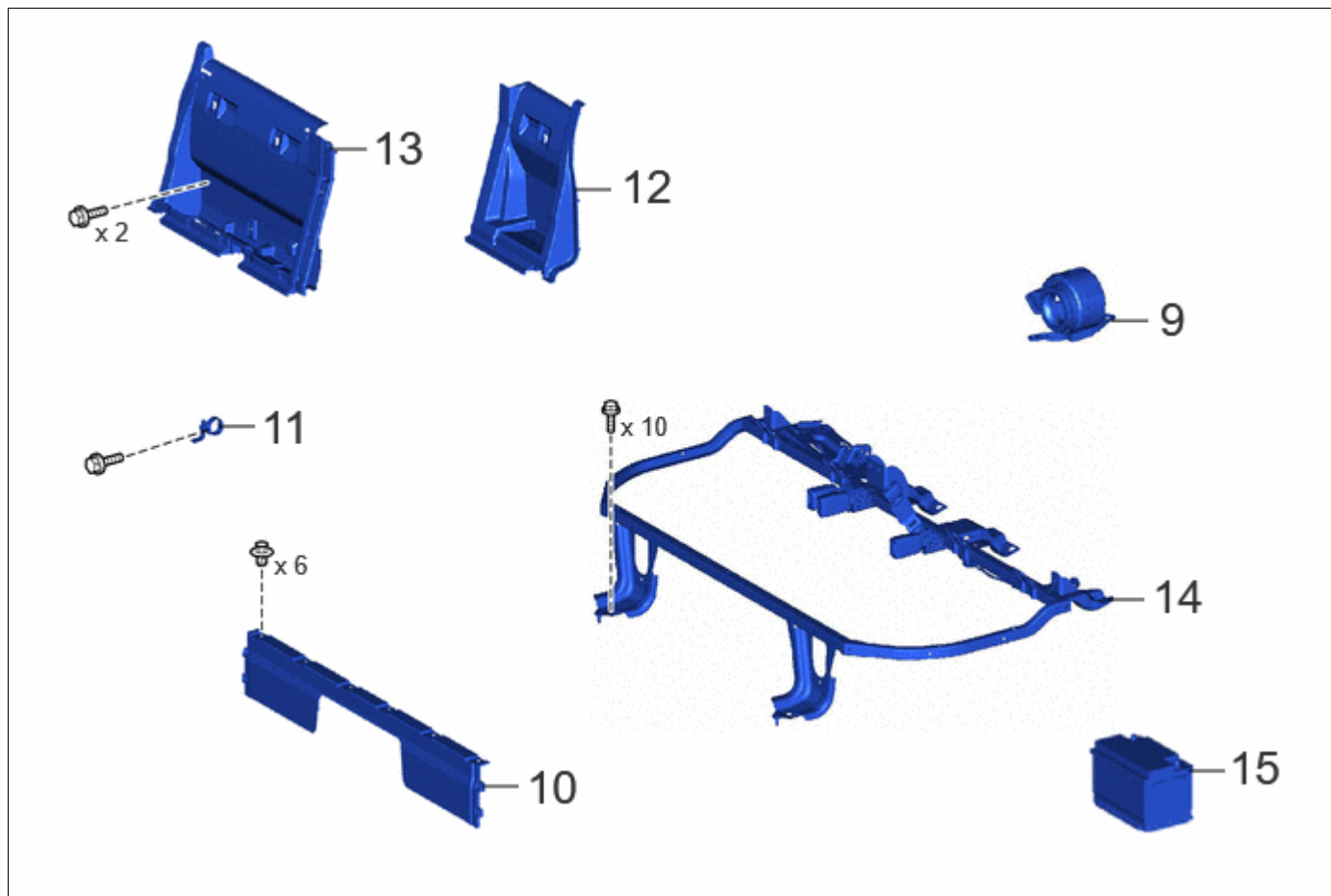
CAUTION / NOTICE / HINT

COMPONENTS (REMOVAL)

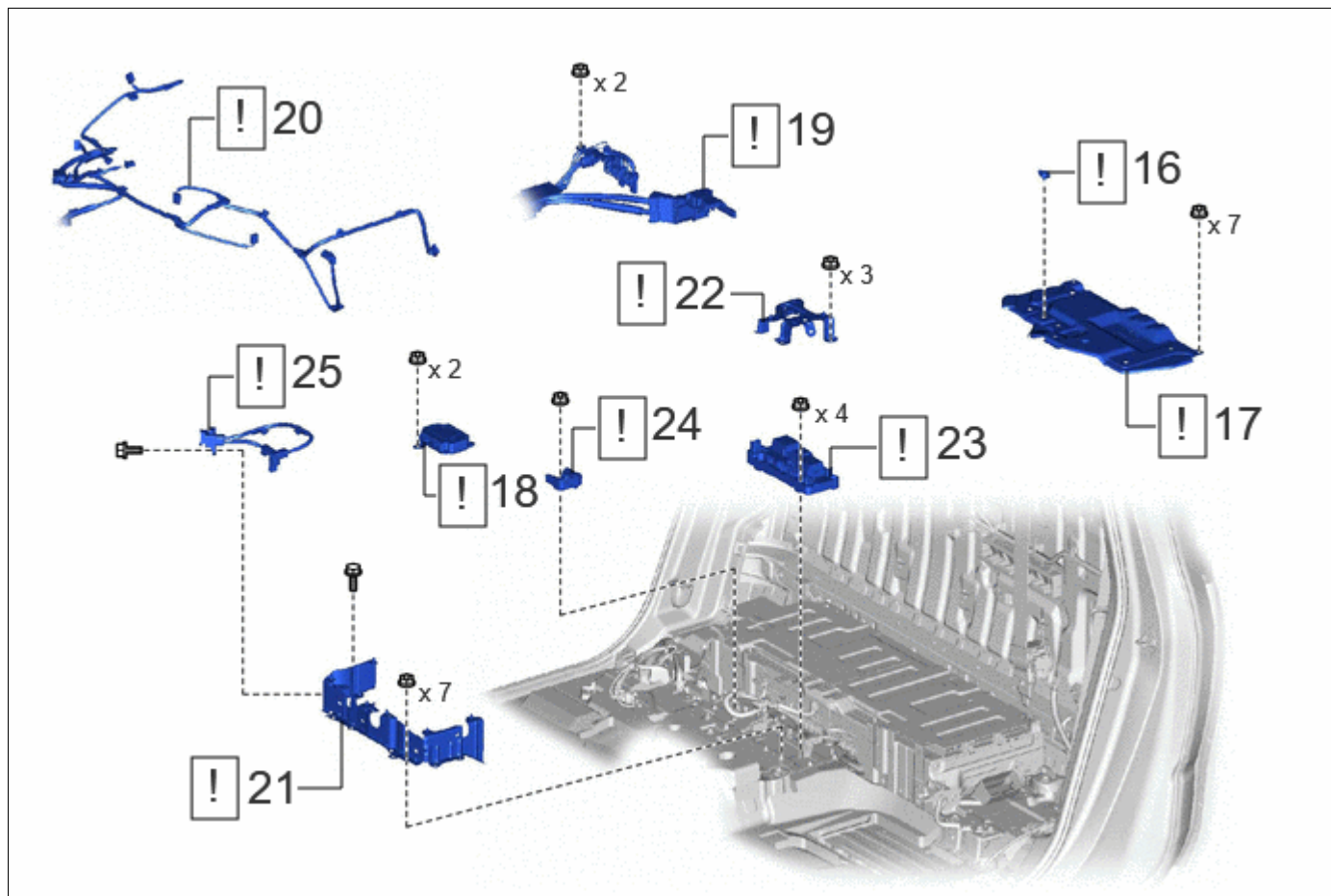


PROCEDURE		PART NAME CODE			
1	PRECAUTION	-	INFO	-	-
2	READ VALUE USING GTS	-	INFO	-	-
3	SERVICE PLUG GRIP	G3834	-	-	-
4	REMOVE UPPER INVERTER COVER SUB-ASSEMBLY	G9022A	INFO	-	-
5	REMOVE INVERTER TERMINAL COVER	G9223	INFO	-	-
6	CHECK TERMINAL VOLTAGE	-	INFO	-	-
7	INSTALL INVERTER TERMINAL COVER	G9223	INFO INFO	-	-
8	INSTALL UPPER INVERTER COVER SUB-ASSEMBLY	G9022A	INFO	-	-

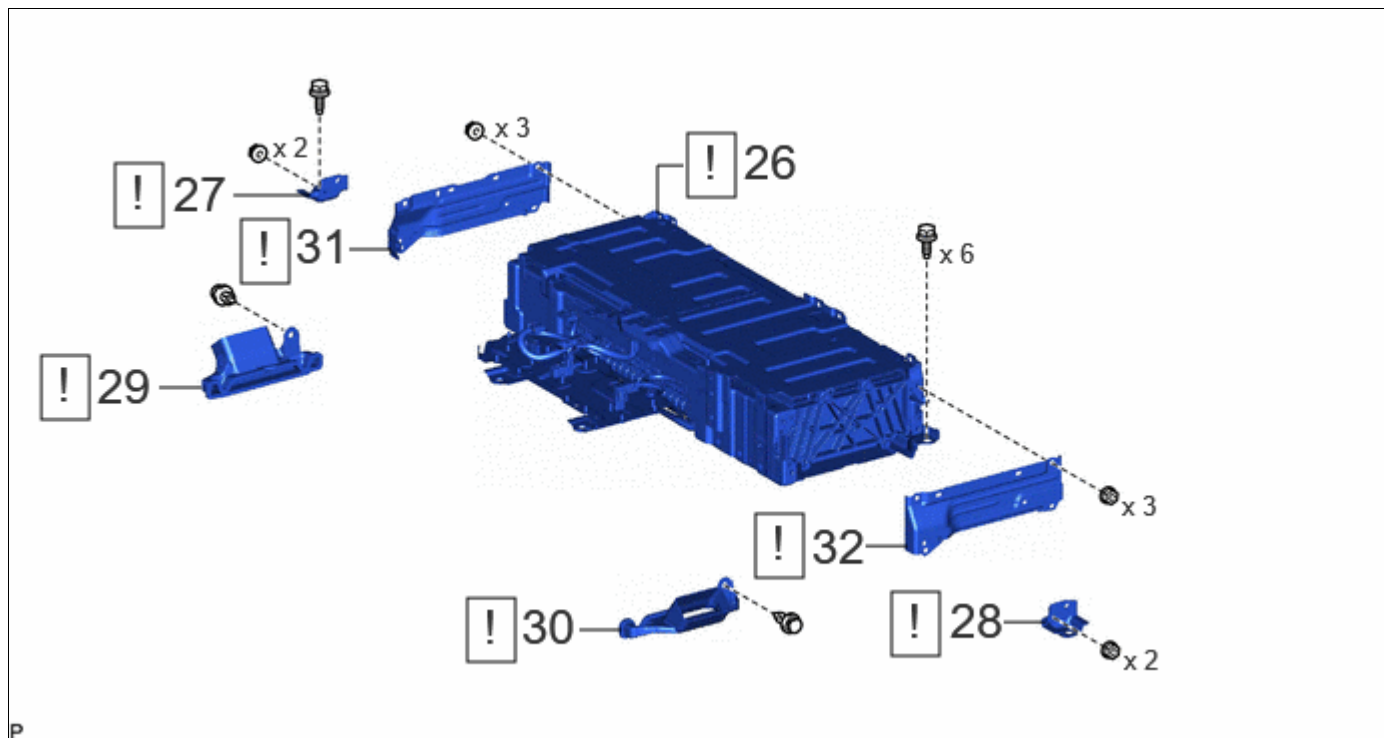
	N*m (kgf*cm, ft.*lbf): Specified torque	-	-
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PROCEDURE		PART NAME			
9	BATTERY COOLING BLOWER ASSEMBLY	CODE G9230	-	-	-
10	REAR UNDER COVER	76971H	-	-	-
11	PACKAGE TRAY TRIM STRAP	64367B	-	-	-
12	LUGGAGE COMPARTMENT BOX LH	64439D	-	-	-
13	LUGGAGE COMPARTMENT BOX RH	64429E	-	-	-
14	REAR SEAT CUSHION LEG SUB-ASSEMBLY (CHILD RESTRAINT SEAT ANCHOR BRACKET)	71033H	-	-	-
15	AUXILIARY BATTERY	-	-	-	-



PROCEDURE		PART NAME CODE			
16	BATTERY COVER LOCK STRIKER	G9295B	INFO	-	-
17	NO. 9 HV BATTERY SHIELD PANEL	-	INFO	-	-
18	BATTERY VOLTAGE SENSOR	89892A	INFO	-	-
19	FLOOR UNDER WIRE	821H1	INFO	-	-
20	FLOOR WIRE	82161	INFO	-	-
21	NO. 1 HYBRID BATTERY SHIELD SUB-ASSEMBLY	G920Q	INFO	-	-
22	LOWER NO. 5 HV BATTERY CARRIER BRACKET	-	INFO	-	-
23	NO. 1 TRACTION BATTERY DEVICE BOX ASSEMBLY	G3850	INFO	-	-
24	HYBRID BATTERY TERMINAL BLOCK	G92Z2	INFO	-	-
25	SERVICE PLUG WIRE HARNESS	-	INFO	-	-



PROCEDURE		PART NAME CODE			
26	HV SUPPLY BATTERY ASSEMBLY	G9510	INFO	-	-
27	NO. 1 HYBRID BATTERY CARRIER BRACKET	G92K3	INFO	-	-
28	NO. 2 HYBRID BATTERY CARRIER BRACKET	G92K4	INFO	-	-
29	NO. 3 HYBRID BATTERY INTAKE DUCT RH	G92D3	INFO	-	-
30	NO. 3 HYBRID BATTERY INTAKE DUCT LH	G92D3	INFO	-	-
31	NO. 1 HV BATTERY SHIELD PANEL	-	INFO	-	-
32	NO. 2 HV BATTERY SHIELD PANEL	-	INFO	-	-

PROCEDURE

1. PRECAUTION

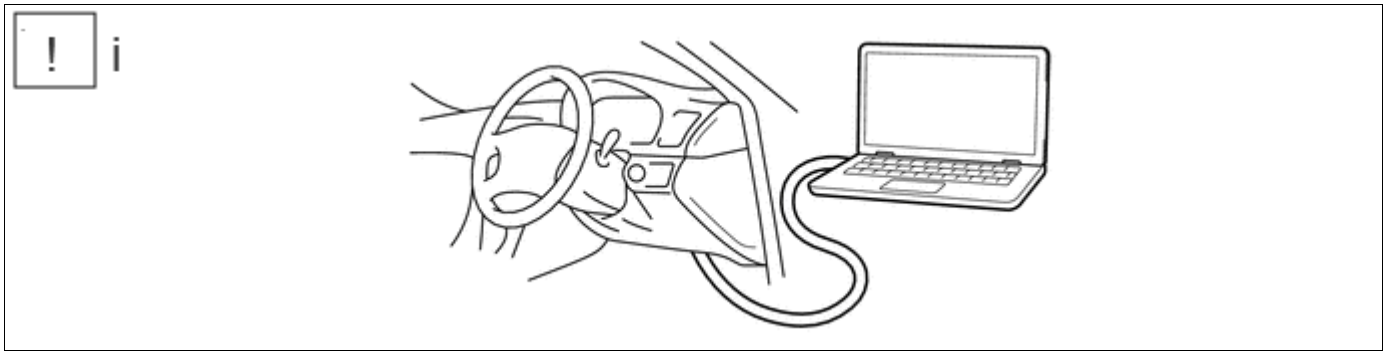


NOTICE:

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

Click here [INFO](#)

2. READ VALUE USING GTS



(1) Read the Data List.

Powertrain > Hybrid Control > 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

NOTICE:

If any of the temperatures listed in "Hybrid/EV Battery Temperature 1 to 6" are 50°C or more, leave the vehicle until the temperature drops to less than 50°C.

3. REMOVE SERVICE PLUG GRIP

Click here [INFO](#)

4. REMOVE UPPER INVERTER COVER SUB-ASSEMBLY

	Click here INFO
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5. REMOVE INVERTER TERMINAL COVER

	Click here INFO
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6. CHECK TERMINAL VOLTAGE



Click here [INFO](#)

7. INSTALL INVERTER TERMINAL COVER



Click here [INFO](#)

8. INSTALL UPPER INVERTER COVER SUB-ASSEMBLY



Click here [INFO](#)

9. REMOVE BATTERY COOLING BLOWER ASSEMBLY

Click here [INFO](#)

10. REMOVE REAR UNDER COVER

Click here [INFO](#)

11. REMOVE PACKAGE TRAY TRIM STRAP

Click here [INFO](#)

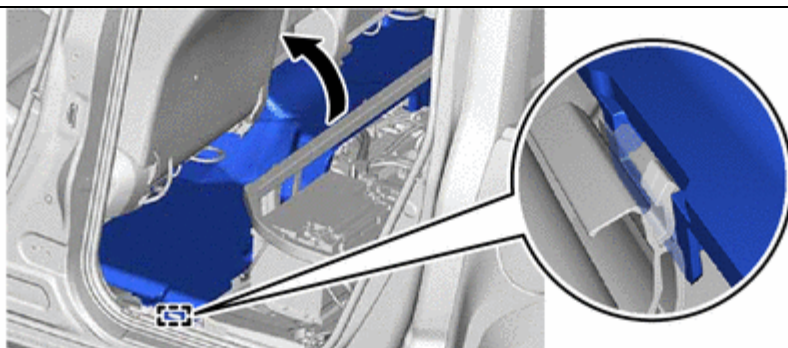
12. REMOVE LUGGAGE COMPARTMENT BOX LH

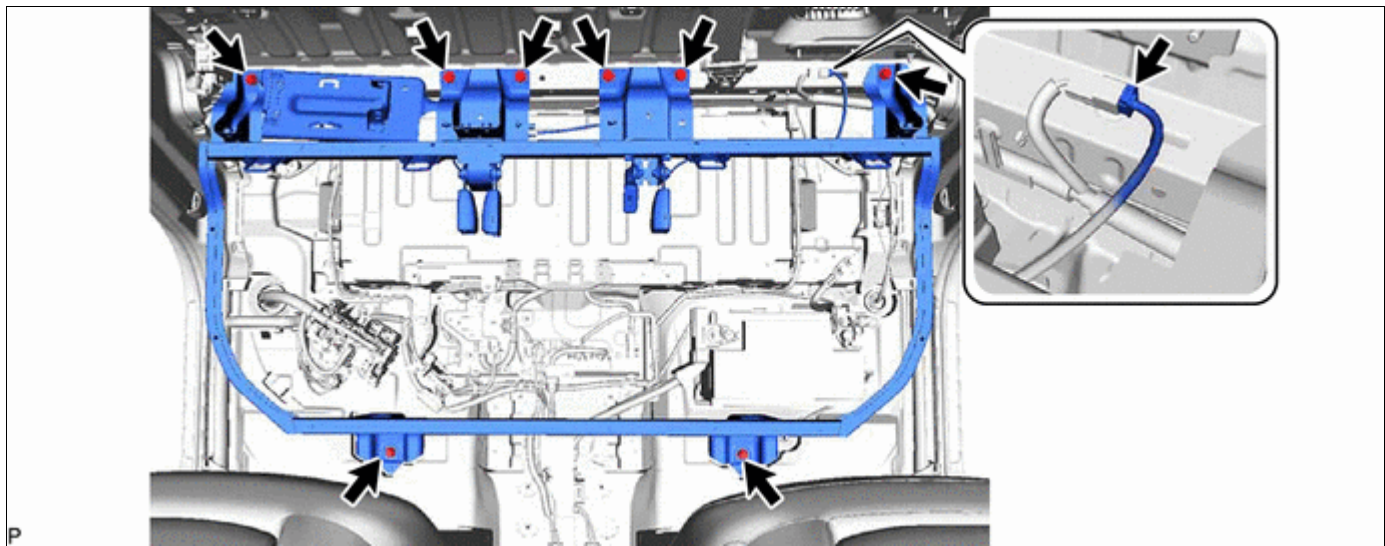
Click here [INFO](#)

13. REMOVE LUGGAGE COMPARTMENT BOX RH

Click here [INFO](#)

14. REMOVE REAR SEAT CUSHION LEG SUB-ASSEMBLY (CHILD RESTRAINT SEAT ANCHOR BRACKET)





15. REMOVE AUXILIARY BATTERY

Click here [INFO](#)

16. REMOVE BATTERY COVER LOCK STRIKER

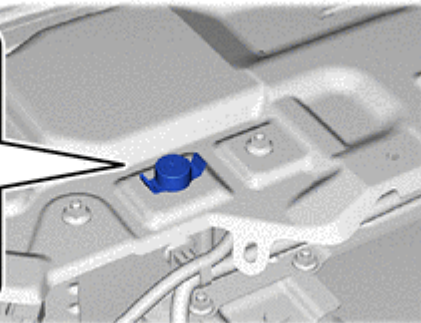
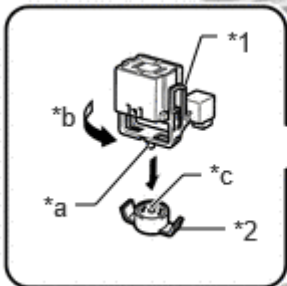


CAUTION:

Wear insulated gloves.



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*1	Service Plug Grip	*2	Battery Cover Lock Striker
*a	Projection	*b	Turn
*c	Button	-	-

(1) Using the service plug grip, remove the battery cover lock striker.

HINT:

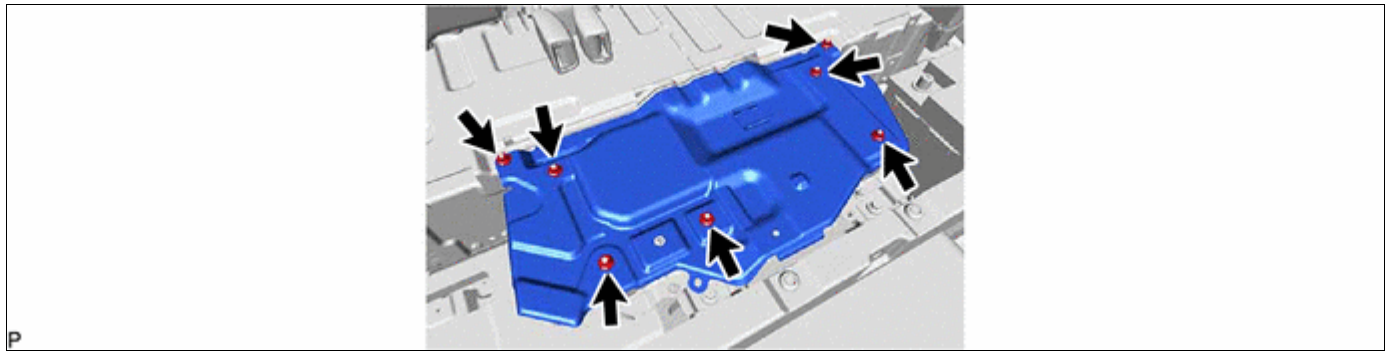
Insert the projection of the service plug grip and turn the button of the battery cover lock striker counterclockwise to release the lock.

17. REMOVE NO. 9 HV BATTERY SHIELD PANEL



CAUTION:

Wear insulated gloves.



18. REMOVE BATTERY VOLTAGE SENSOR



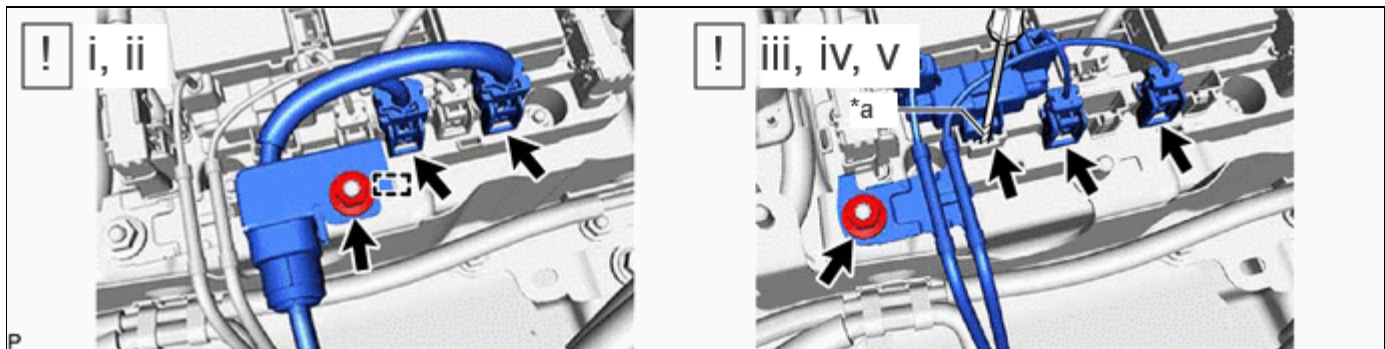
Click here [INFO](#)

19. DISCONNECT FLOOR UNDER WIRE



CAUTION:

Wear insulated gloves.



*a	Protective Tape	-	-
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(1) Disconnect the 2 No. 1 traction battery device box assembly connectors.

NOTICE:

Insulate each disconnected high-voltage connector with insulating tape. Wrap the connector from the wire harness side to the end of the connector.

(2) Remove the nut and disconnect the guide and floor under wire.

(3) Disconnect the 2 No. 1 traction battery device box assembly connectors.

NOTICE:

Insulate each disconnected high-voltage connector with insulating tape. Wrap the connector from the wire harness side to the end of the connector.

(4) Using a screwdriver with its tip wrapped with protective tape, disengage the claw to disconnect the floor under wire.

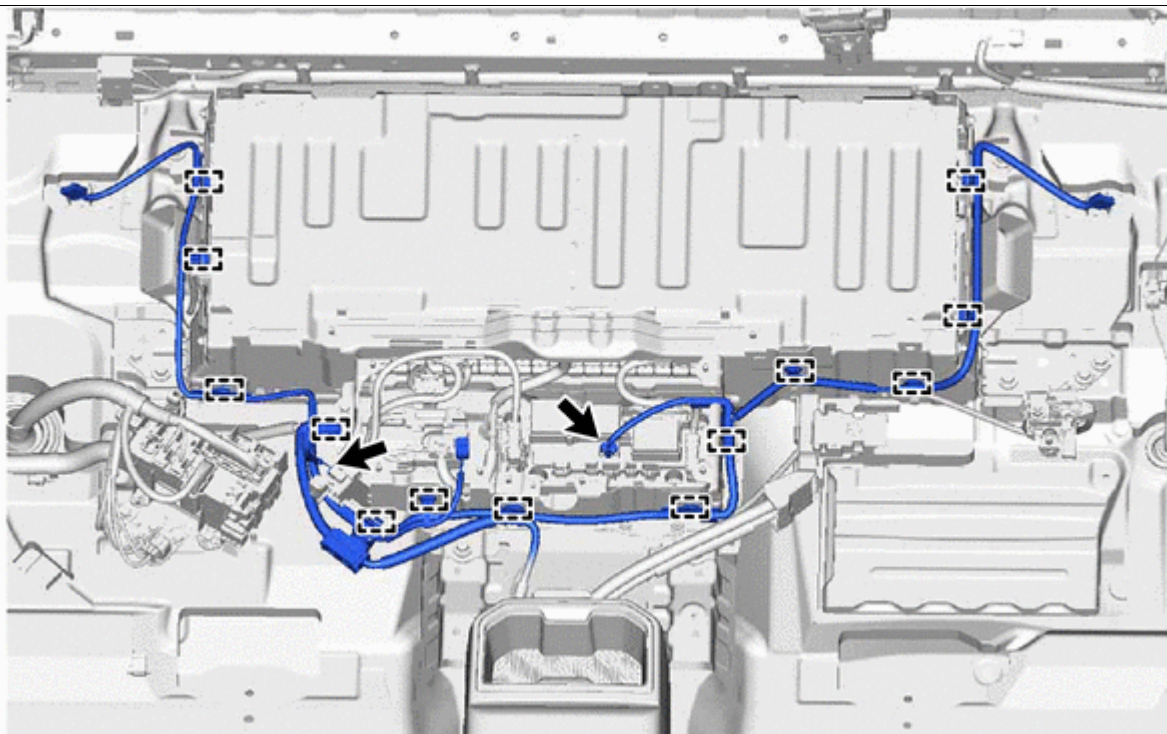
(5) Remove the nut and disconnect the floor under wire.

20. DISCONNECT FLOOR WIRE



CAUTION:

Wear insulated gloves.

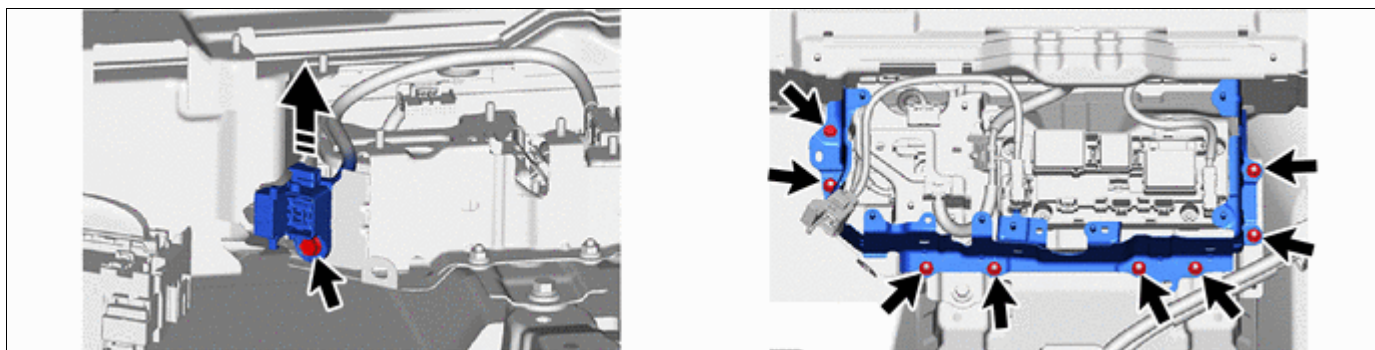


21. REMOVE NO. 1 HYBRID BATTERY SHIELD SUB-ASSEMBLY



CAUTION:

Wear insulated gloves.



Remove in this Direction

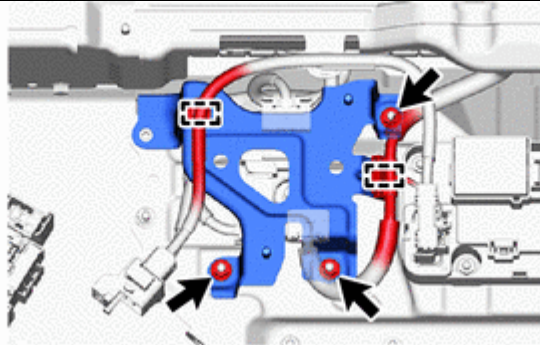
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22. REMOVE LOWER NO. 5 HV BATTERY CARRIER BRACKET

**CAUTION:**

Wear insulated gloves.

**23. REMOVE NO. 1 TRACTION BATTERY DEVICE BOX ASSEMBLY**

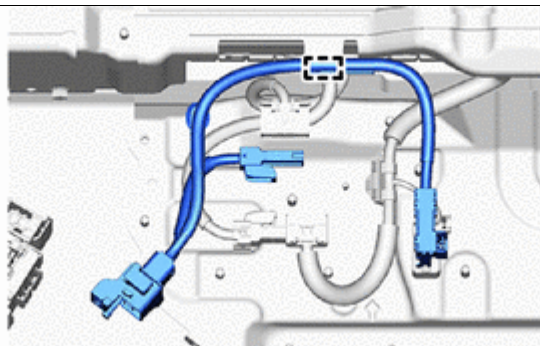
Click here [INFO](#)

24. REMOVE HYBRID BATTERY TERMINAL BLOCK

Click here [INFO](#)

25. REMOVE SERVICE PLUG WIRE HARNESS**CAUTION:**

Wear insulated gloves.

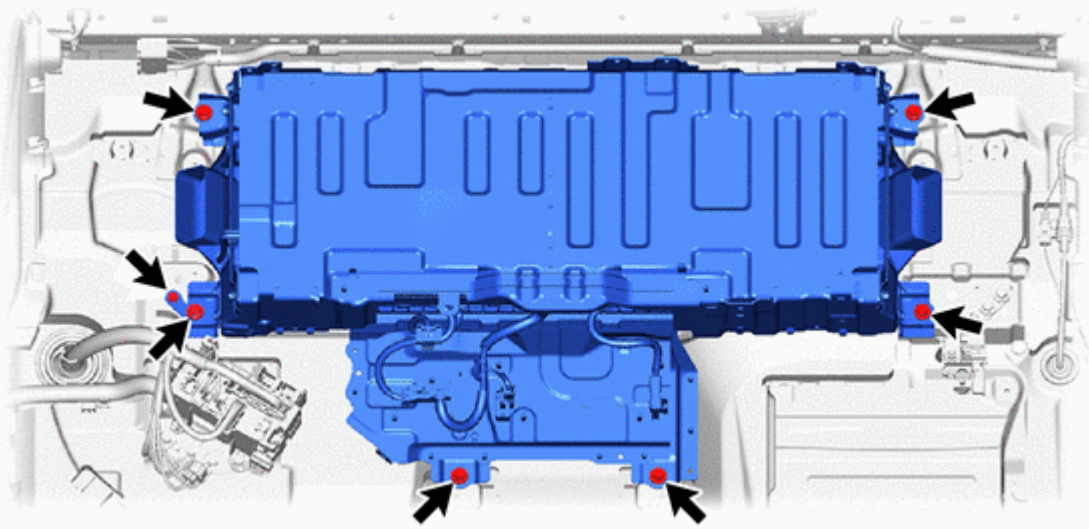
**26. REMOVE HV SUPPLY BATTERY ASSEMBLY**

**CAUTION:**

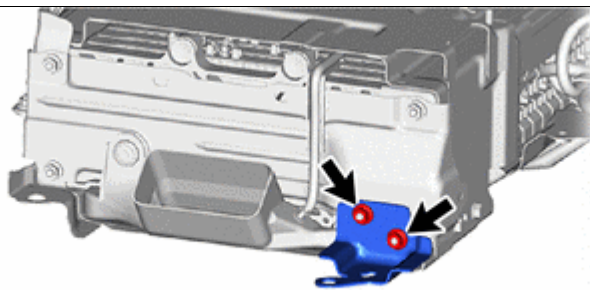
Wear insulated gloves.

NOTICE:

- Do not allow foreign matter, such as grease or oil, to adhere to the bolts of the HV supply battery assembly.
- To prevent the wire harness from being caught, make sure to bundle the wire harness using insulating tape or equivalent.
- Since the HV supply battery assembly is very heavy, 2 people are needed to remove it. When removing the HV supply battery assembly, be careful not to damage the parts around it.
- When removing/installing/moving the HV supply battery assembly, make sure not to tilt it more than 80°.
- If the HV supply battery assembly has been struck or dropped, replace it.

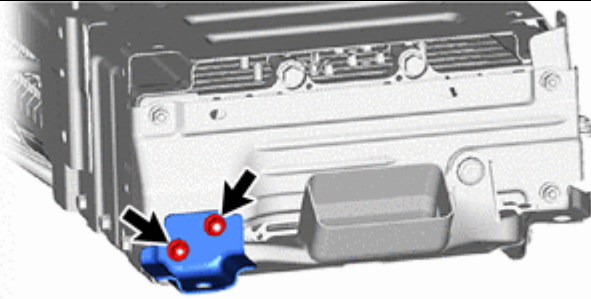
**27. REMOVE NO. 1 HYBRID BATTERY CARRIER BRACKET****CAUTION:**

Wear insulated gloves.

**28. REMOVE NO. 2 HYBRID BATTERY CARRIER BRACKET**



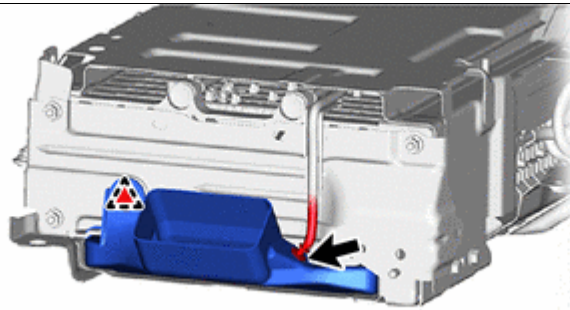
CAUTION:
Wear insulated gloves.



29. REMOVE NO. 3 HYBRID BATTERY INTAKE DUCT RH



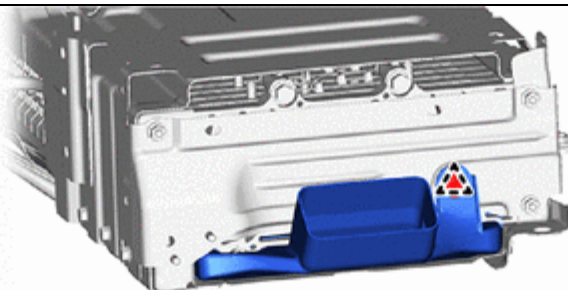
CAUTION:
Wear insulated gloves.



30. REMOVE NO. 3 HYBRID BATTERY INTAKE DUCT LH



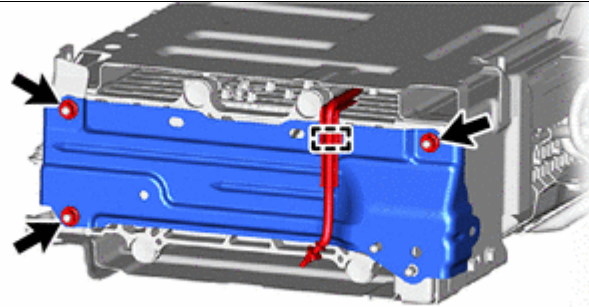
CAUTION:
Wear insulated gloves.



31. REMOVE NO. 1 HV BATTERY SHIELD PANEL

**CAUTION:**

Wear insulated gloves.



32. REMOVE NO. 2 HV BATTERY SHIELD PANEL

**CAUTION:**

Wear insulated gloves.

