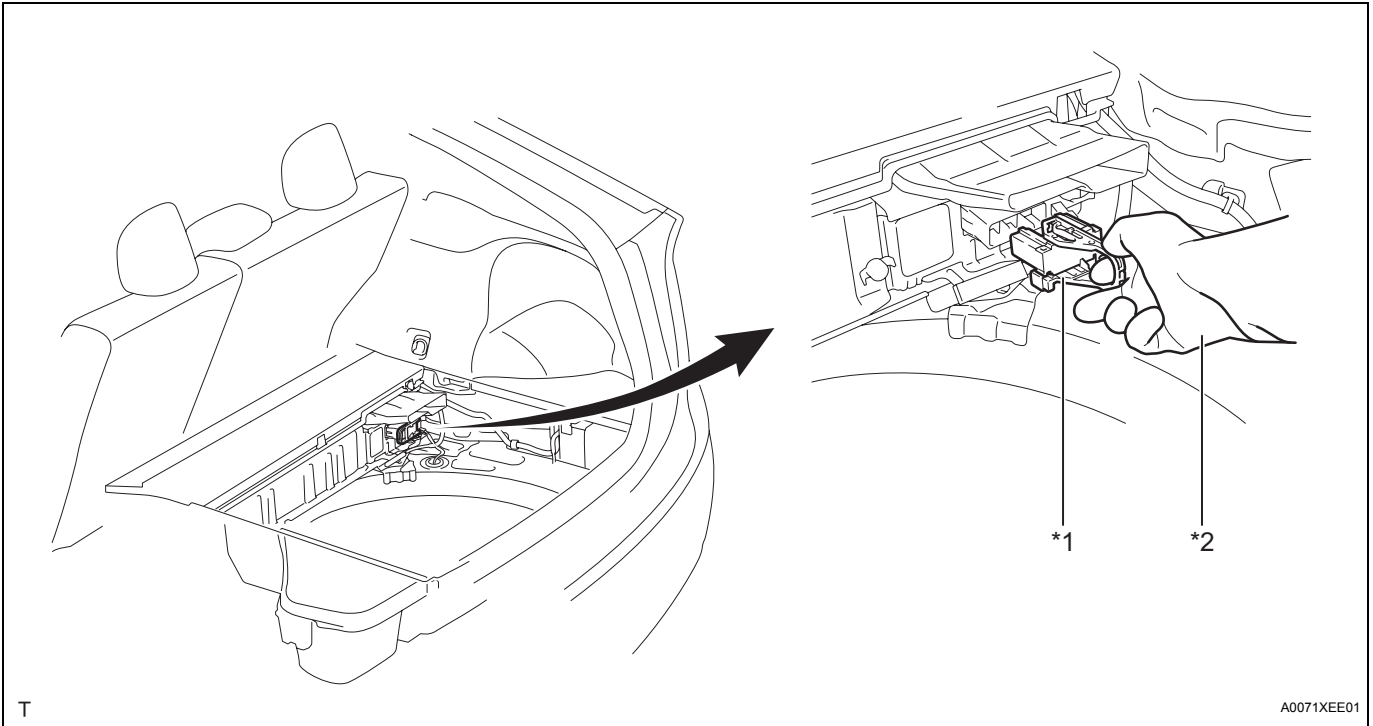


Prius

- (2) By removing the service plug grip before performing any inspection or service, the high-voltage circuit is shut off at the intermediate position of the HV battery, thus ensuring safety during service.



Text in Illustration

*1	Service Plug Grip	*2	Insulated Gloves
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CAUTION:

A charge remains in the high-voltage capacitor in the inverter with converter assembly after the high-voltage circuits are shut down. When servicing a hybrid vehicle, after the service plug grip is removed, wait at least 10 minutes to allow the capacitor to discharge before beginning work.

WARNING:

- The service plug grip should never be removed when the system is in the READY-on state.
- After removing the service plug grip, turning the power switch on (READY) may cause a malfunction. Do not turn the power switch on (READY) unless instructed by the Repair Manual.

(d) HV Battery Handling Precautions

- (1) HV battery electrolyte is a highly alkaline potassium hydroxide solution (odorless, transparent, and colorless). Careless handling of the HV battery is very dangerous. Handle the HV battery properly according to the procedure below.

Item	Procedure
When there is liquid leakage present in the area of the HV battery	• Neutralize it with a saturated mixture of boric acid and water. • After litmus paper has been used to determine that the mixture is neutral, wipe it up with rags or waste cloth.
When battery electrolyte gets on skin, eyes etc.*	• Flush it with a diluted solution of boric acid and water, or with a large amount of water. • Remove contaminated clothes at once.
When a vehicle is scrapped	Remove the HV battery from the vehicle for collection via the specified route.
When the HV battery is stored	The HV battery should not be left in a damp or humid location.

LS600h

Dismantling a vehicle

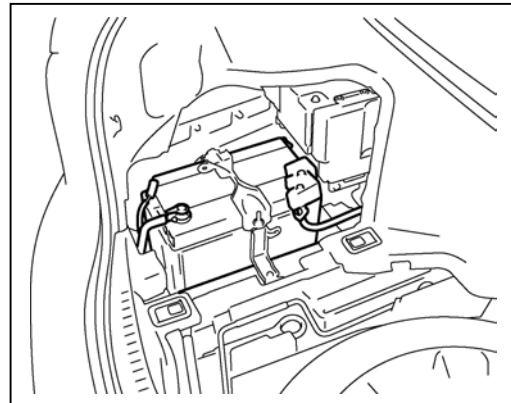
The following 2 pages contain general instructions for use when working on an LS600h/LS600hL. Read these instructions before proceeding to the HV battery removal instructions on page 18.



WARNING:

- ***The high voltage system may remain powered for up to 10 minutes after the vehicle is shut off or disabled. To prevent serious injury or death from severe burns or electric shock, avoid touching, cutting, or opening any orange high voltage power cable or any high voltage component.***

1. Shut off the ignition (**READY** indicator is off). Then disconnect the cable from the auxiliary battery negative (-) terminal.

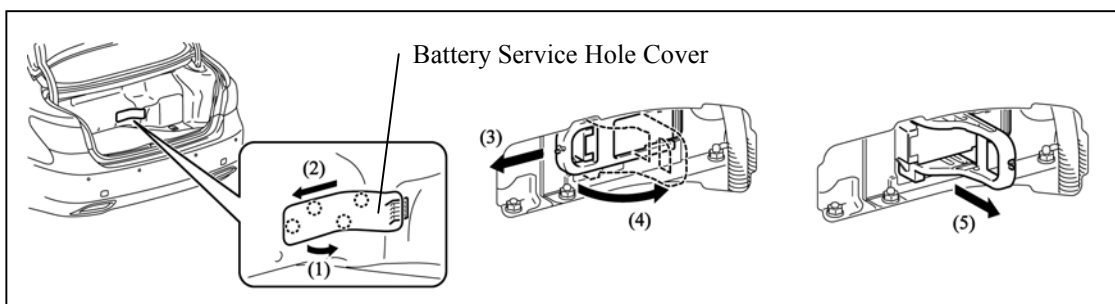


2. Remove the service plug grip.
 - (1) Pull the edge of the battery service hole cover outward.
 - (2) Slide the cover to the left to remove it.

Caution:

Wear insulated gloves for the following 4 steps.

- (3) Slide the handle of the service plug grip to the left.
- (4) Raise the service plug grip.
- (5) Remove the service plug grip.
- (6) Apply insulating tape to the socket of the service plug grip to insulate it.



GS450h

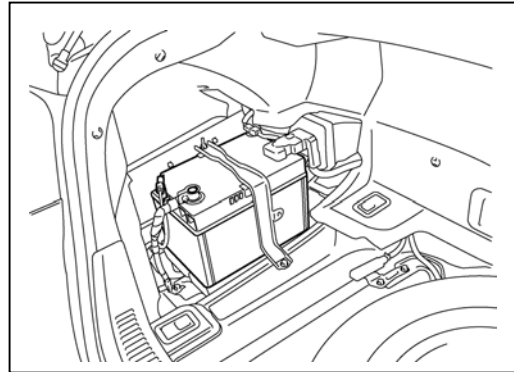
Dismantling a vehicle



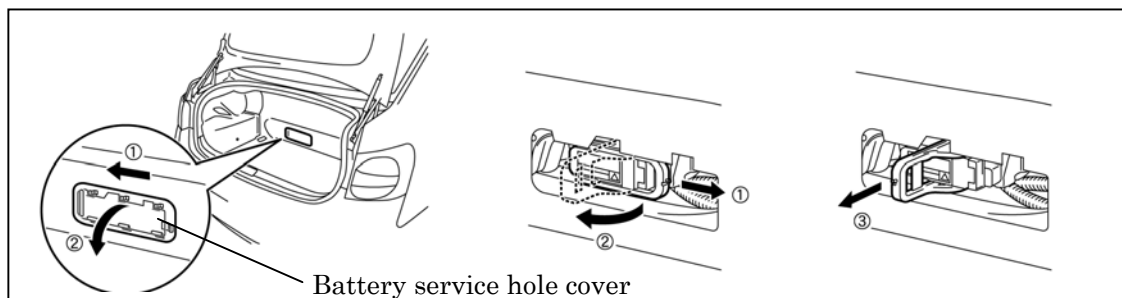
WARNING:

- *The high voltage system may remain powered for up to 10 minutes after the vehicle is shut off or disabled. To prevent serious injury or death from severe burns or electric shock, avoid touching, cutting, or opening any orange high voltage power cable or any high voltage component.*

1. Shut off ignition. Then disconnect the negative (-) terminal of the auxiliary battery.



2. Remove the service plug grip.
 - a) Wear insulated gloves and raise the service plug grip as shown in the illustration. Then, remove the service plug grip.
 - b) Apply electrical tape to the socket of the service plug grip to insulate it.



RX400h

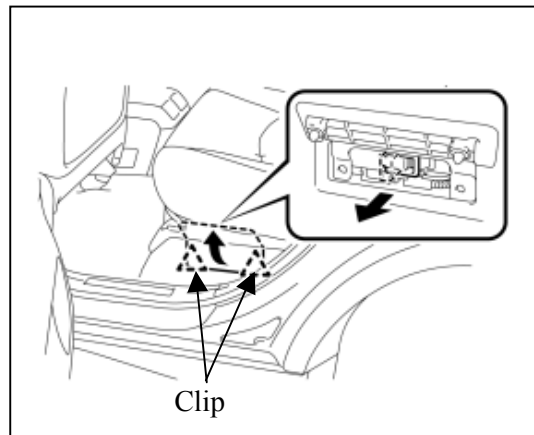
Dismantling a vehicle



WARNING:

- *Never assume that the RX400h is shut off simply because it is silent.*
- *Assure that **READY** indicator is off.*
- *After removing the service plug, wait **5 minutes** before touching any of the high-voltage connectors and terminals.*
- *Before dismantling the high-voltage system, take measures such as wearing insulated gloves and removing the service plug to prevent electrocution.*
- *If either of the disabling steps above cannot be performed, proceed with caution as there is no assurance that the high voltage electrical system, SRS, or fuel pump are disabled.*
- *Never cut, or open any orange high voltage power cables or high voltage components.*
- *Make sure that the tester reading is 0 V before touching any high-voltage terminals which are not insulated.*

1. Shut off ignition. Then disconnect the negative (-) terminal of the auxiliary battery and remove the service plug.
 - a) Remove the 2 clips, then open the battery service hole cover.
 - b) Wear insulated gloves, and pull up the service plug grip. Then, remove the service plug grip.
 - c) Apply electrical tape to the socket of the service plug grip to insulate it.



RX450h

Dismantling the vehicle

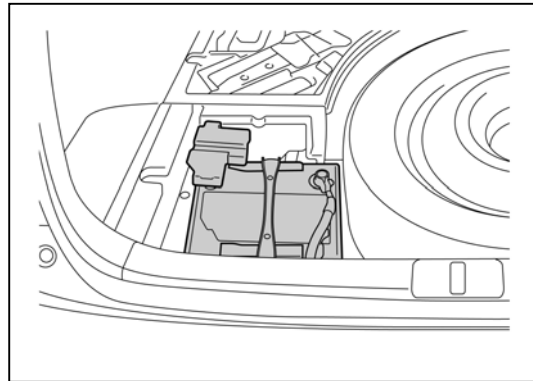
The following 2 pages contain general instructions for use when working on an RX450h. Read these instructions before proceeding to the HV battery removal instructions on page 18.



WARNING:

- ***The high voltage system may remain powered for up to 10 minutes after the vehicle is shut off or disabled. To prevent serious injury or death from severe burns or electric shock, avoid touching, cutting, or opening any orange high voltage power cable or any high voltage component.***

1. Shut off the ignition (**READY** indicator is off). Then disconnect the cable from the auxiliary battery negative (-) terminal.



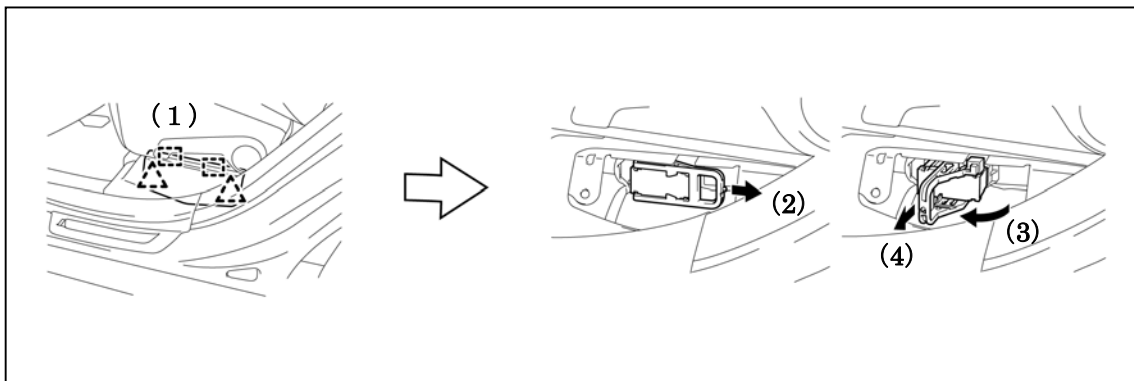
2. Remove the service plug grip.

- (1) Disengage the 2 clips and 2 guides, and remove the battery service hole cover.

Caution:

Wear insulated gloves for the following 3 steps.

- (2) Slide the handle of the service plug grip to the left.
 - (3) Raise the release handle of the service plug grip.
 - (4) Remove the service plug grip.

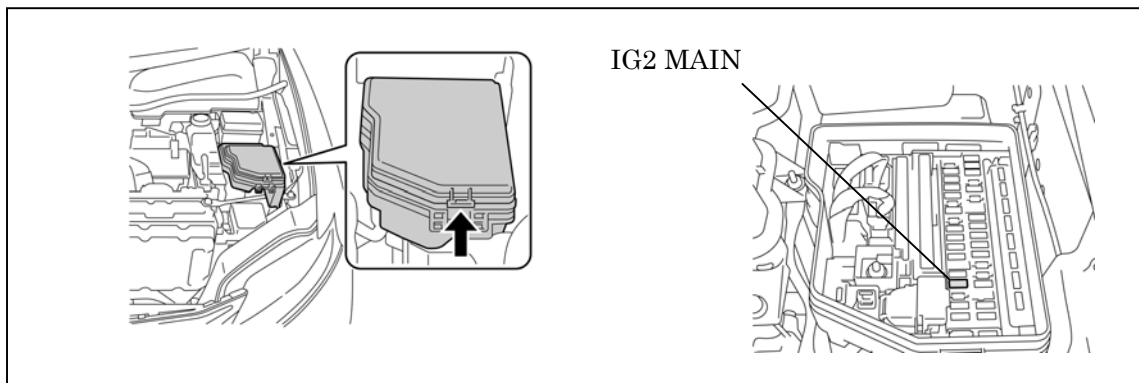


- (5) Apply insulating tape to the socket of the service plug grip to insulate it.

3. Carry the removed service plug grip in your pocket to prevent other staff from accidentally reinstalling it while you are dismantling the vehicle.
4. Make other staff aware that a high-voltage system is being dismantled by using the following sign: CAUTION: HIGH-VOLTAGE. DO NOT TOUCH (see page 17).
5. If the service plug grip cannot be removed due to damage to the vehicle, remove the **IG2 MAIN** fuse (30A).

Caution:

This operation shuts off the HV system. Be sure to wear insulated gloves because high voltage is not shut off inside the HV battery. When it is possible to remove the service plug grip, remove it and continue the procedure.



6. After disconnecting or exposing a high-voltage connector or terminal, insulate it immediately using insulating tape. Before disconnecting or touching a bare high-voltage terminal, wear insulated gloves.
7. Check the HV battery and nearby area for leakage. If you find any liquid, it may be strong alkaline electrolyte. Wear rubber gloves and goggles and neutralize the liquid using a saturated boric acid solution or vinegar. Then wipe up the liquid using waste rags etc.
8. If the electrolyte comes into contact with your skin, wash the skin immediately using a saturated boric acid solution or a large amount of water. If the electrolyte adheres to any article of clothing, take the clothing off immediately.
9. If the electrolyte comes into contact with your eye(s), call out loudly for help. Do not rub your eye(s). Instead, wash the eye(s) with a dilute boric acid solution or a large amount of water and seek medical care.
10. With the exception of the HV battery, remove parts by following procedures which are similar to conventional Lexus vehicles. For the removal of the HV battery, refer to the following pages.

