

TECHNICAL INSTRUCTIONS

FOR

SAFETY RECALL H0R

ELECTRIC VEHICLE FUSE FRACTURE

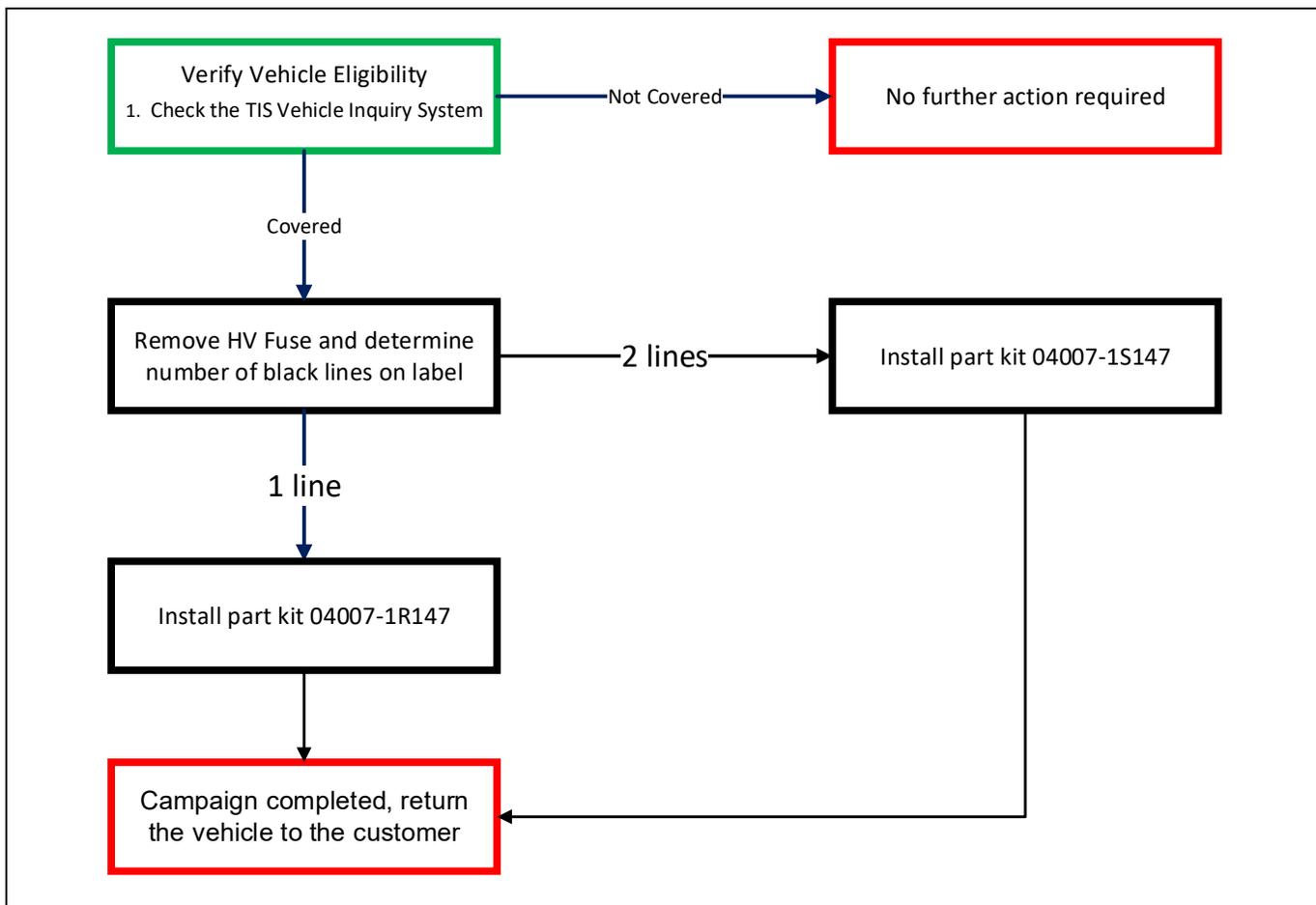
CERTAIN 2012-2015 PRIUS PHV

The repair quality of covered vehicles is extremely important to Toyota. All dealership technicians performing this recall are required to successfully complete the most current version of the E-Learning course “Safety Recall and Service Campaign Essentials”. To ensure that all vehicles have the repair performed correctly; technicians performing this recall repair are required to currently hold at least one of the following certification levels:

- Expert Technician (Hybrid)
- Master Technician
- Master Diagnostic Technician

It is the dealership’s responsibility to select technicians with the above certification level or greater to perform this recall repair. Carefully review your resources, the technician skill level, and ability before assigning technicians to this repair. It is important to consider technician days off and vacation schedules to ensure there are properly trained technicians available to perform this repair at all times.

I. OPERATION FLOW CHART



II. IDENTIFICATION OF AFFECTED VEHICLES

- Check the TIS Vehicle Inquiry System to confirm the VIN is involved in this Safety Recall, and that the Campaign has not already been completed prior to dealer shipment or by another dealer.
- TMS warranty will not reimburse dealers for repairs completed on vehicles that are not affected or were completed by another dealer.

III. PREPARATION

A. PARTS

Because of differences in the size of the fuse mounting holes and the thread size of the fuse retaining bolts, two fuse kits are available. As a general rule, vehicles built before December, 2012 will have '5mm' fuse and bolts. Vehicles built after December 2012 will have '6mm' fuse and bolts.

When removing the original fuse from the vehicle, the technician will determine the replacement fuse by counting the number of black lines on the original fuse label. (Refer to Section VIII. Step #5 for details).



The nut and bolts used on these High Voltage electrical connections are one-time use fasteners. These parts must be replaced anytime they are removed. It is critical that the correct hardware be used, and no substitutions are provided. The *NEW* nut and *NEW* bolt's in these kit's will have blue paint markings on them for identification.

Part Number	Part Description	Quantity
04007-1R147	M5 EV Fuse Kit	1
*The kit above includes the following parts:		
Part Number	Part Description	Quantity
G3829-47100	M5 EV Fuse (blue label)	1
91553-80510	M5 Bolt (marked with blue paint)	2
90178-05002	Nut (marked with blue paint)	1

Part Number	Part Description	Quantity
04007-1S147	M6 EV Fuse Kit	1
*The kit above includes the following parts:		
Part Number	Part Description	Quantity
G3829-47110	M6 EV Fuse (blue label)	1
91533-60610	M6 Bolt (marked with blue paint)	2
90178-05002	Nut (marked with blue paint)	1

B. TOOLS & EQUIPMENT

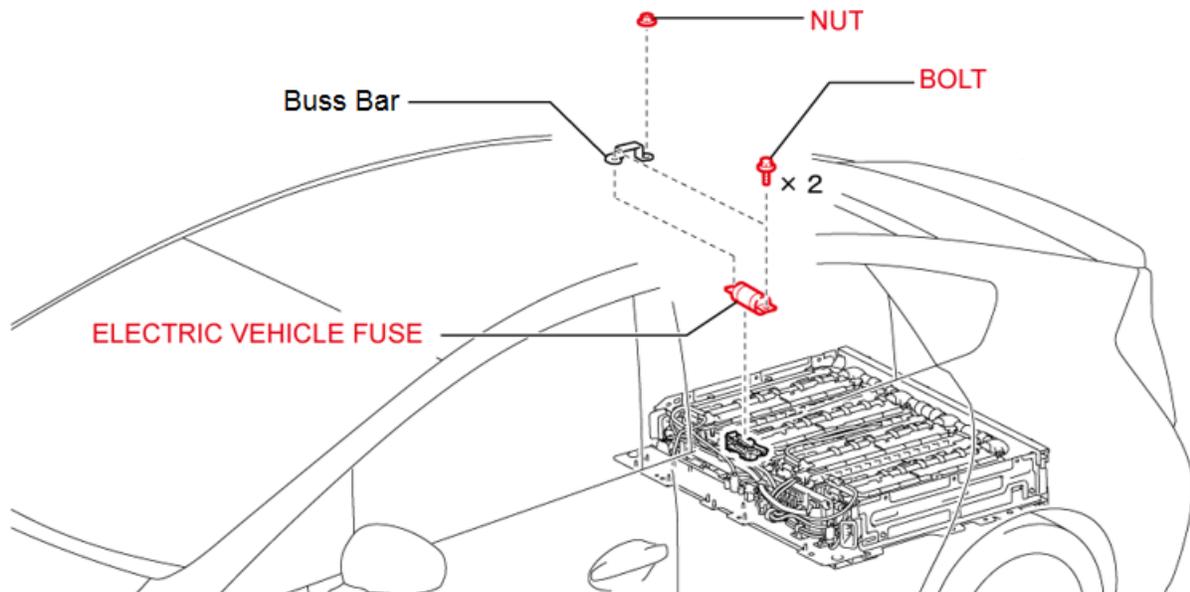
- Techstream
- Standard Hand Tools
- Safety Glasses

SST – These Special Service Tools required for this repair:

Part Number	Tool Name	Quantity
n/a	HEV Workstation	1
*The set above includes the following necessary tools:		
Varies on size	High Voltage Safety Gloves	1
01813-00044	Insulated Ratchet	1
01813-00043	Insulated Torque Wrench	1
01813-00057	Insulated 8mm Magnetic Extension	1
01813-00042	Insulated 10mm Magnetic Extension	1

IV. BACKGROUND

The hybrid system on the involved vehicles contain an Electric Vehicle (EV) fuse which may malfunction if the vehicle is repeatedly operated by the electric motor under high-load driving conditions, such as during a long hill climb. If the fuse malfunctions, warning lights and warning messages will illuminate. In some cases, the vehicle can be driven, but with reduced power. In other cases, the hybrid system could shut down resulting in the loss of motive power. Power steering and braking will not be affected. Loss of motive power while driving at higher speeds can increase the risk of a crash.



Replacement parts

V. SAFETY PRECAUTIONS

CAUTION:

This vehicle has a hybrid control system that operates at voltages of up to 650 V. Be sure to follow the instructions in this manual to handle the system correctly. Failure to do so may result in serious injury or electrocution.

- Technicians must undergo special training to be able to service and inspect the high-voltage system.
- All high-voltage wire harnesses and connectors are colored orange. The HV battery and other high-voltage components have "High Voltage" caution labels. Do not carelessly touch these wires or components.
- When there is a problem with the wire harness or connector of a high-voltage circuit, repairs to the harness or connector should not be attempted. Replace damaged or malfunctioning high voltage cables or connectors.
- Before inspecting or servicing the high-voltage system, be sure to follow all safety measures, such as wearing insulated gloves and removing the service plug to prevent electrocution. Carry the removed service plug in your pocket to prevent other technicians from accidentally reconnecting it while you are servicing the vehicle.

NOTICE:

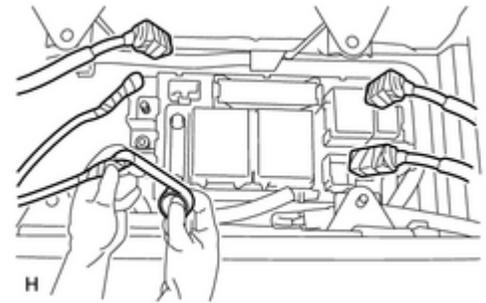
After removing the service plug grip, do not turn the power switch on (READY), unless instructed by the repair manual because this may cause a malfunction.

- After removing the service plug grip, wait 10 minutes before touching any of the high-voltage connectors and terminals.

HINT:

Waiting for at least 10 minutes is required to discharge the high-voltage capacitor inside the inverter with converter assembly.

- (f) Before using insulated gloves, be sure to check them for cracks, tears and other types of damage.
- (g) When servicing the vehicle, do not carry metal objects like mechanical pencils or rulers that can be dropped accidentally and cause a short circuit.
- (h) Before touching a bare high-voltage terminal, wear insulated gloves and use a tester to make sure that the terminal voltage is 0 V.



- (i) After disconnecting or exposing a high-voltage connector or terminal, insulate it immediately using insulating tape.

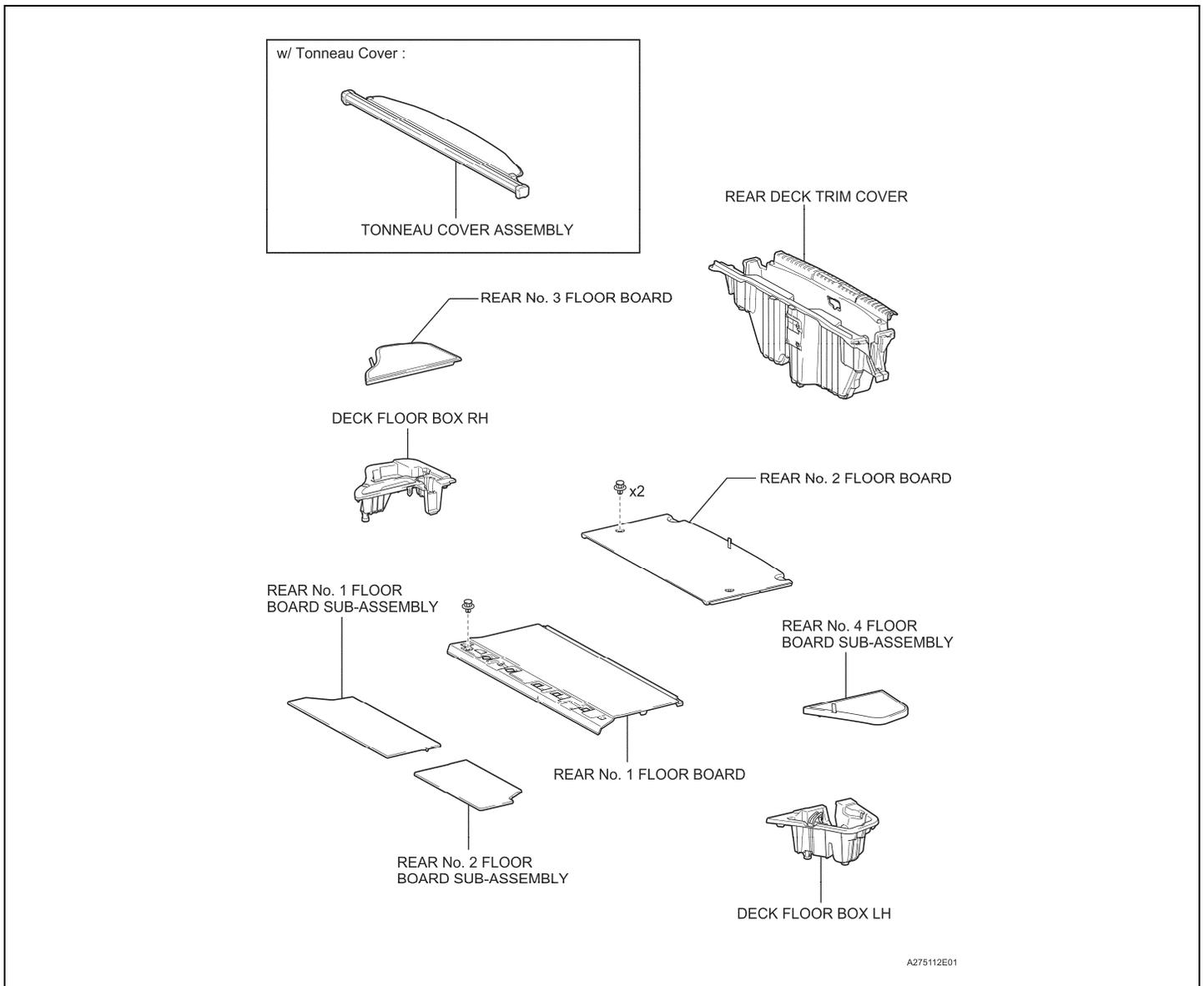
- (j) Bolts and nuts for high-voltage terminals should be tightened firmly to the specified torque. Both insufficient and excessive torque can cause failure.
- (k) Use the "CAUTION: HIGH VOLTAGE DO NOT TOUCH" sign to notify other technicians that the high-voltage system is being inspected and/or repaired.
- (l) After servicing the high-voltage system and before reinstalling the service plug, check again that you have not left a part or tool inside, that the high-voltage terminals are firmly tightened, and that the connectors are correctly connected.
- (m) When performing work involving high-voltage wires, use either a tool wrapped with vinyl insulation tape or an insulated tool.
- (n) When installing hybrid control system components such as the HV battery, make sure that the polarity of all connections is correct.

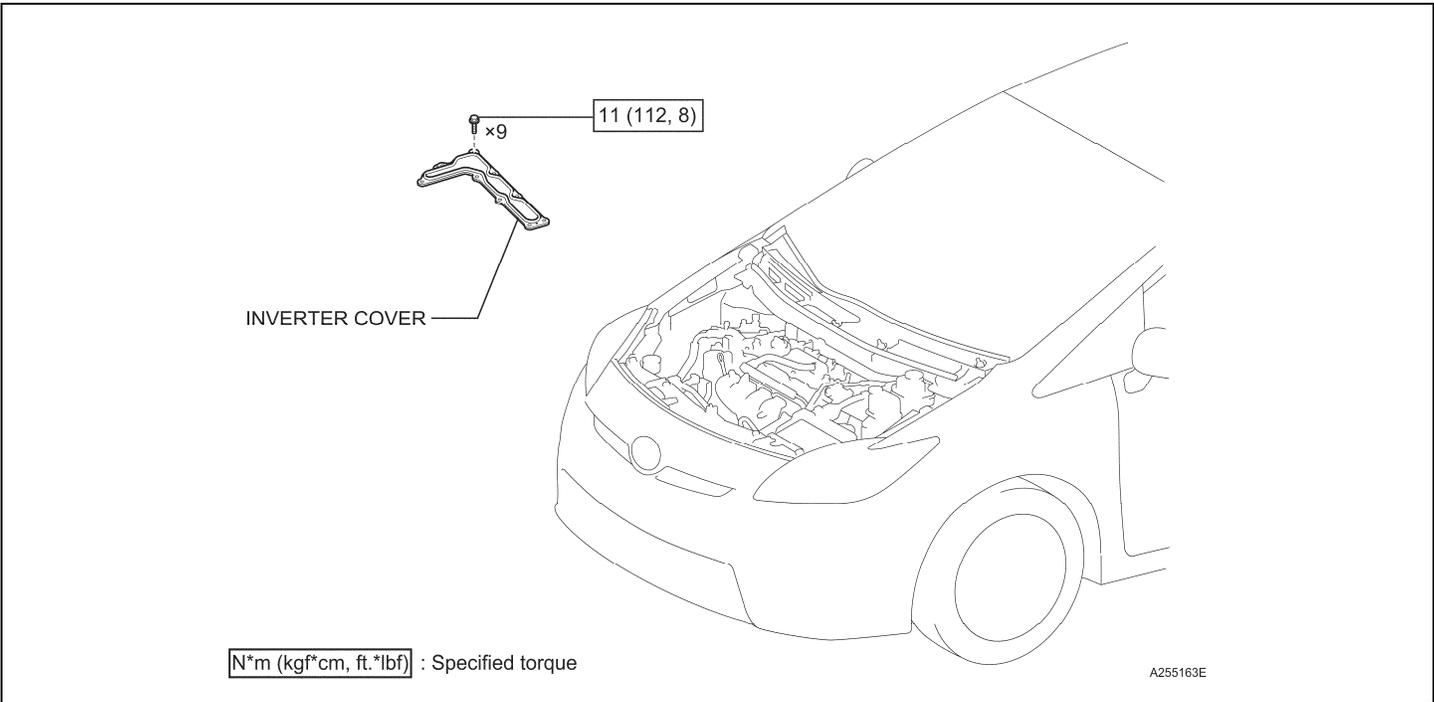
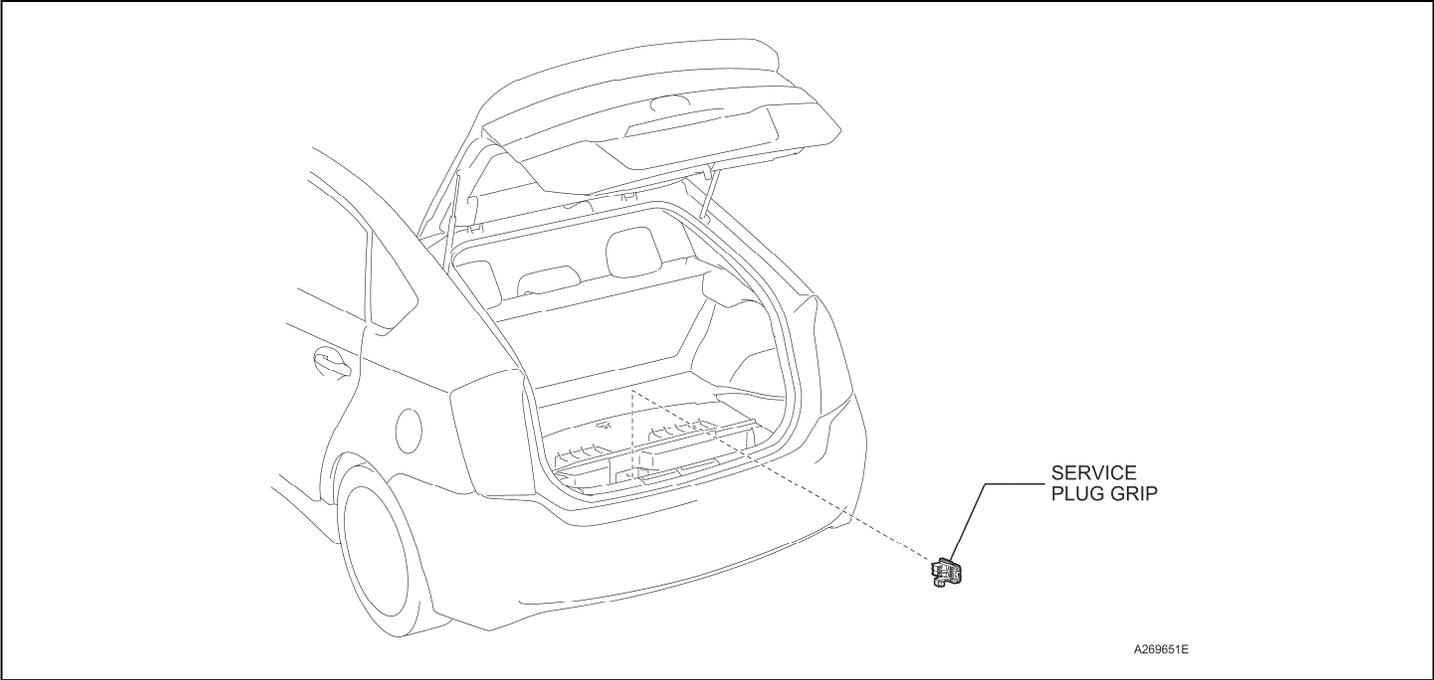
CAUTION:

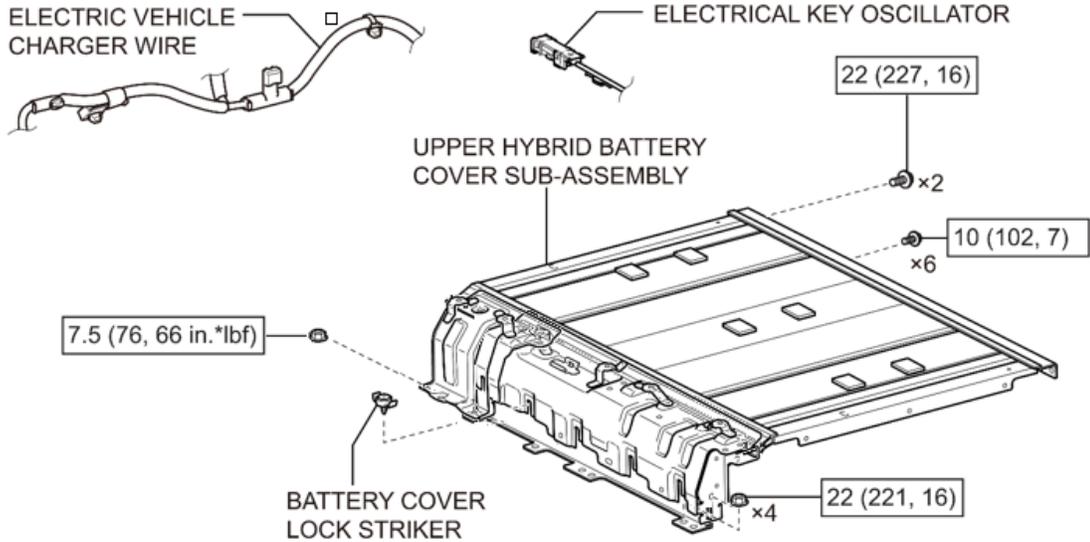
- Do not touch any bare cables that may have high-voltage. If a cable must be touched or if accidental contact is possible, wear insulated gloves and insulate the cable using insulating tape.
- Visually check the HV battery and the immediate area for any electrolyte leakage. Do not touch any leaked liquid because it could be organic electrolyte that contains carbonic acid esters.
- The electrolyte is flammable. Keep all ignition sources such as open flame and hot objects away from the electrolyte.
- Electrolyte leaks may cause acute poisoning if a high concentration of the vapor from the organic solvent is inhaled. In case of inhalation, move the affected person to a place with ample fresh air and let them lie quietly. Seek medical care.
- In case of skin contact with the electrolyte, wash the area thoroughly with soap and plenty of water, and seek medical care. Immediately remove any contaminated clothing. Prolonged contact with the electrolyte may cause skin irritation.
- If the electrolyte comes in contact with your eyes, call out loudly for help. Do not rub your eyes. Immediately flush them with a large amount of water for at least 15 minutes and seek medical care.
- If electrolyte is swallowed, seek medical care immediately. Do not induce vomiting, unless instructed by the doctor.
- Wear insulated or rubber gloves, goggles, and safety shoes.
- Check the HV battery and immediate area for any electrolyte leakage.
- Do not touch any bare cables that could be high voltage cables. If a cable must be touched or if accidental contact is possible, follow the following instructions: 1) wear insulated gloves and goggles, 2) measure the voltage between the cable and body ground using an electrical tester, and 3) insulate the cable using insulating tape.

- Do not touch any bare cables that may have high-voltage. If a cable must be touched or if accidental contact is possible, wear insulated gloves and insulate the cable using insulating tape.
- Do not touch any leaked liquid because it could be the organic electrolyte that contains carbonic acid esters. If contact is unavoidable, wipe the fluid off using a cloth while wearing rubber gloves, goggles and an organic solvent mask. Do not leave electrolyte-contaminated cloths unattended. Place contaminated cloths in an appropriate airtight container and dispose of them according to local regulations.
- Accidents such as electric shock may result if the HV battery or a hybrid vehicle supply stack sub-assembly is disposed of improperly or abandoned. Therefore, make sure to return all HV batteries or hybrid vehicle supply stack assemblies through an authorized collection agent.
- To reduce the risk of fire, the HV battery or hybrid vehicle supply stack assembly must not be stored in an area where it will be exposed to fire or high temperatures.

VI. COMPONENTS

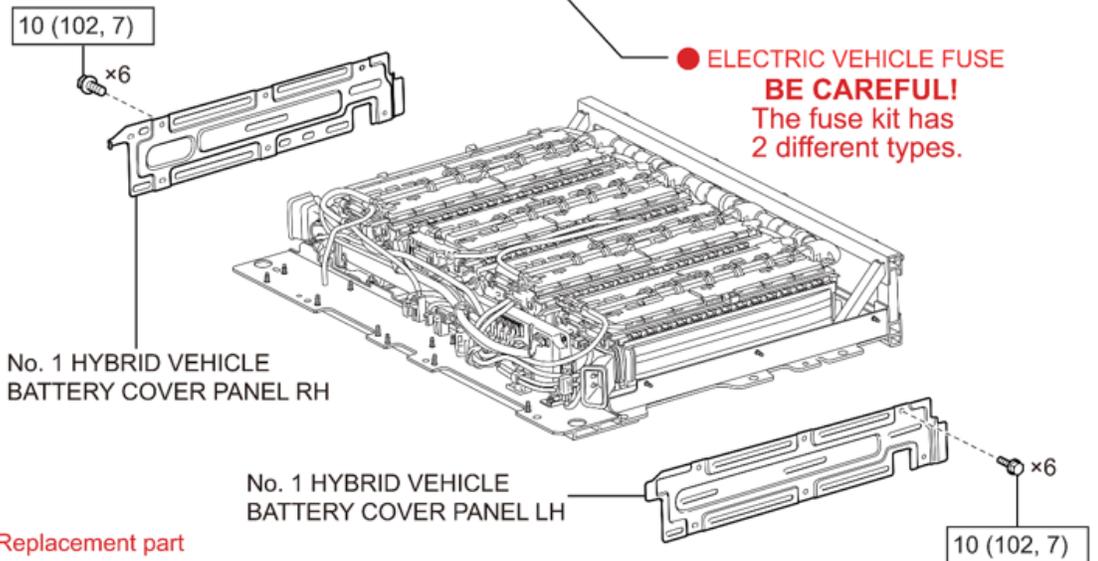
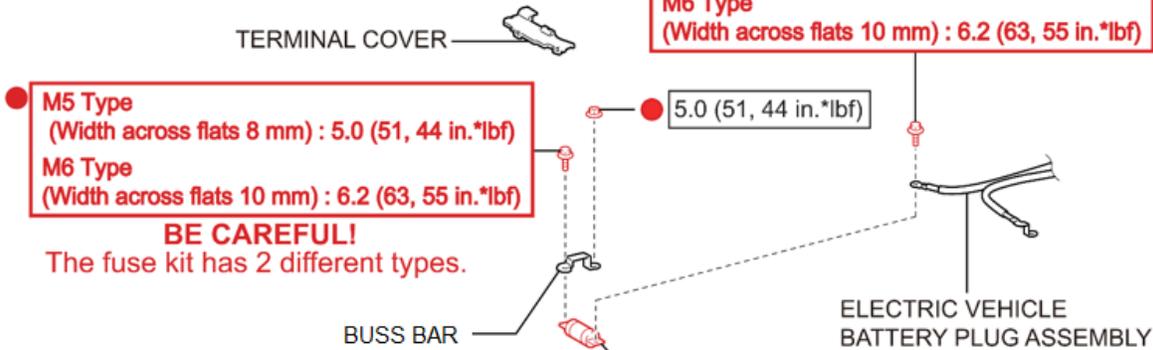






BE CAREFUL!
The fuse kit has 2 different types.

- M5 Type
(Width across flats 8 mm) : 5.0 (51, 44 in.*lbf)
- M6 Type
(Width across flats 10 mm) : 6.2 (63, 55 in.*lbf)



● : Replacement part
 [N*m (kgf*cm, ft.*lbf)] : Specified torque

A265057AE01

VII. DISASSEMBLY

CAUTION:

- Before inspecting the high-voltage system or disconnecting the low voltage connector of the inverter with converter assembly or electric vehicle charger assembly, take safety precautions such as wearing insulated gloves and removing the service plug grip to prevent electrical shocks. After removing the service plug grip, put it in your pocket to prevent other technicians from accidentally reconnecting it while you are working on the high-voltage system.
- After removing the service plug grip, wait for at least 10 minutes before touching any of the high voltage connectors or terminals. After waiting for 10 minutes, check the voltage at the terminals in the inspection point in the inverter with converter assembly. The voltage should be 0 V before beginning work.

HINT:

Waiting for at least 10 minutes is required to discharge the high-voltage capacitor inside the inverter with converter assembly and electric vehicle charger assembly.



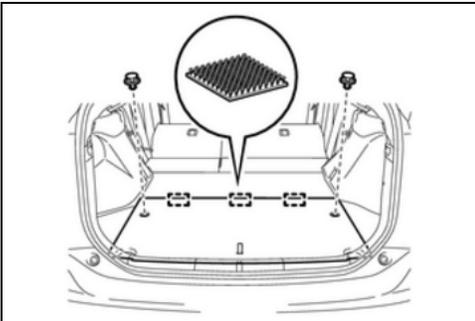
1. CHECK FOR DTC'S

- a. Using a Techstream, check for Diagnostic Trouble Codes.



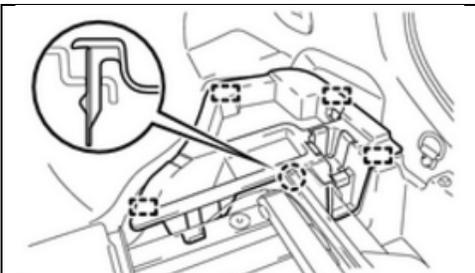
If any hybrid DTC's are found that indicate a safety risk at performing this repair, do not proceed until they have been resolved.

Note: This Safety Recall covers only the replacement of the HV fuse, as detailed in these instructions. It does not cover the diagnosis or replacement of any other parts on the vehicle, including the hybrid system.



2. REMOVE FLOORBOARD

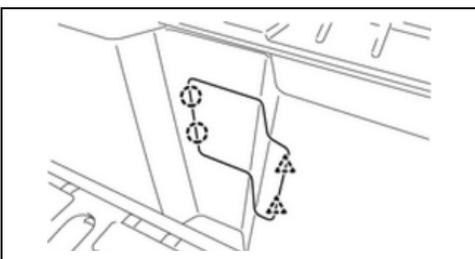
- a. Remove the 2 clips.
- b. Disengage the 3 fasteners and remove the floor board.



3. REMOVE DECK FLOOR BOX LH & RH

- a. Disengage the claw and 4 guides and remove the deck floor box's.

4. DISCONNECT THE NEGATIVE TERMINAL FROM THE AUXILIARY BATTERY (RH side).



5. REMOVE SERVICE PLUG ACCESS COVER

- a. Located inside the rear storage compartment is the service plug access cover. Disconnect the 2 clips and 2 claws to remove.



Failure to comply with the following glove inspection procedures could result in serious bodily injury or death as a result from high voltage electrocution.



6. CHECK HIGH VOLTAGE SERVICE GLOVES

- a. Obtain the proper size (M, L, XL) High Voltage Service Gloves with from drawer #6 of the TOYOTA HEV WORKSTATION. Slide the drawer (release in the lower right) out to access the gloves located behind the HV Battery Charger.



Electrical protective equipment shall be maintained in a safe, reliable condition. These gloves should be stored to protect them from light, temperature extremes, excessive humidity, ozone, and other damaging substances and conditions. If needed, the gloves can be cleaned as needed to remove foreign substances.



- b. Remove the leather outer protective glove (left and right) to expose the rubber High Voltage Service Gloves.
- c. Check the Date of Test stamped on the gloves. This indicates the date of the gloves most recent **Certified electrical inspection**. If the date on the gloves is more than 6 months ago, do not use these gloves. They will either need to be replaced or sent to a Certified Testing Facility for recertification to comply with **OSHA standard 1910.137**. An internet search for **High Voltage Glove Testing** should assist in finding a company to recertify your gloves. For replacement gloves, contact Bosch/OTC at 1-800-933-8335:

Insulated Glove Set, Size M	01413-00072
Insulated Glove Set, Size L	01413-00073
Insulated Glove Set, Size XL	01413-00074



Rubber insulating gloves should always be used with the outer leather protector gloves in place. If the rubber insulator gloves are used without the protective leather gloves, the rubber insulative gloves need to be retested.

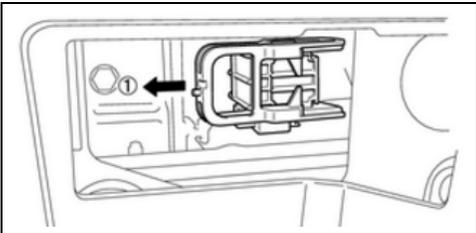


d. Before each daily use and immediately after any incident that may have caused damage, the gloves must be physically inspected. Using the Glove Inflator found in drawer #2 of the TOYOTA HEV WORKSTATION, inflate each glove and inspect for:

- Air leaks
- Holes, tears, punctures or cuts
- Ozone cutting or ozone checking
- Embedded foreign objects, texture changes, including swelling, softening, hardening, or becoming sticky or inelastic
- Any other defect that damages the insulating properties.

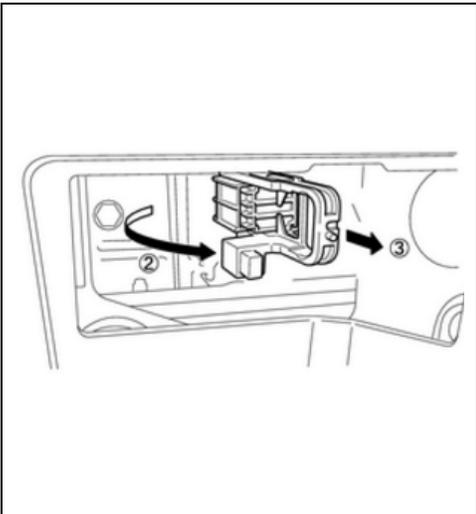
Gloves with any of the above defects shall be removed from service or returned for testing.

e. Reinstall the outer protective leather covers (gloves) over the rubber High Voltage glove to prevent damage.



7. REMOVE SERVICE PLUG

a. **Wearing safety glasses and the previously tested High Voltage Service Gloves**, unlock the handle by inserting your finger into the opening and sliding it to the left.



b. With your finger in the opening of the Service Plug, gently rotate the handle outward 90 degrees.

c. Once the handle is pointed towards you, gently pull the entire Service Plug towards you to remove it from the battery pack.

d. Once the Service Plug has been removed, store it in a safe place that only you will have access. This is to prevent somebody else from reinstalling the Service Plug without your knowledge.

e. After removing the Service Plug, **it is critical that 10 minutes have passed before any high voltage work is performed.**

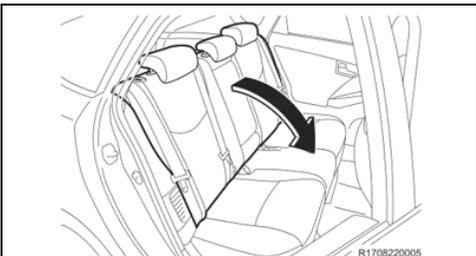
f. Start a timer to record the elapsed time since the service plug was removed.

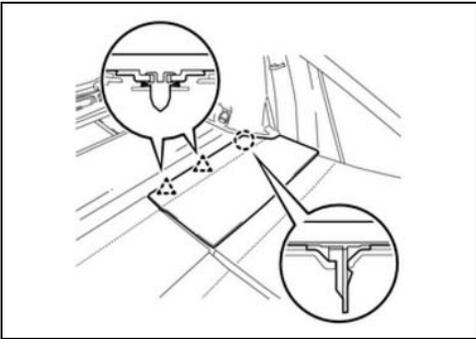
8. FOLD REAR SEATS

a. Depress the release to lower the seatbacks.

b. Remove the carpet mat (if equipped).

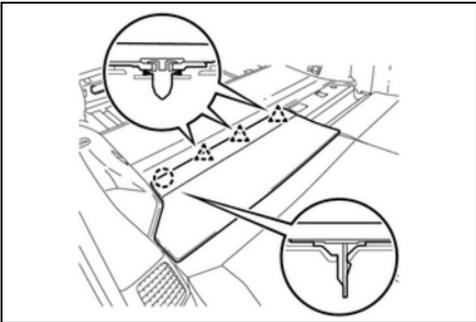
c. Remove the Tonneau cover (if equipped).





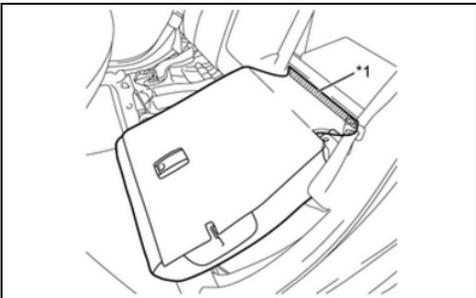
9. REMOVE REAR NO. 2 FLOOR BOARD

- a. Disengage the 1 claw and 2 clips.



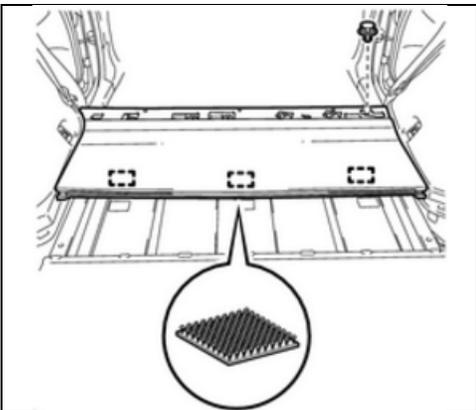
10. REMOVE REAR NO. 1 FLOOR BOARD

- a. Disengage the 1 claw and 3 clips.

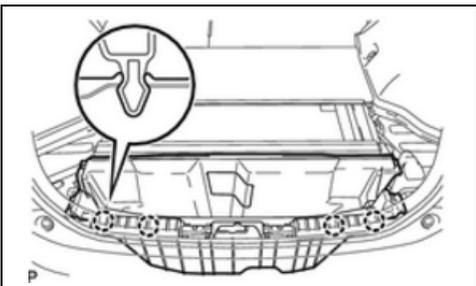


11. REMOVE REAR NO. 3 FLOOR BOARD

- a. Fold the rear seatback assembly LH & RH forward.
- b. Disengage the Velcro type fastener (*1) LH & RH.



- c. Remove the clip.
- d. Disengage the 3 fasteners and remove floor board.

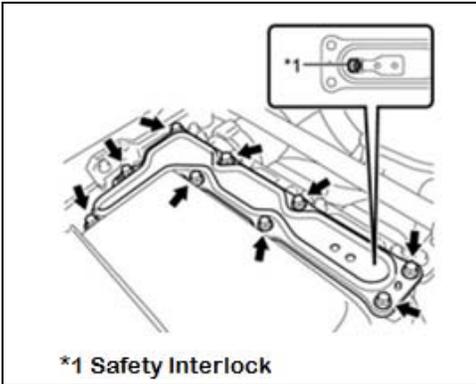


12. REMOVE REAR DECK TRIM COVER

- a. Disengage the 4 claws and remove the rear deck trim cover.

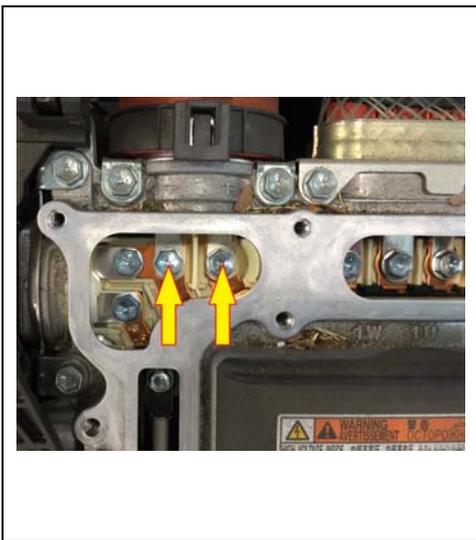


Before proceeding, it's critical that 10 minutes has elapsed since the Service Plug was removed. This time is required to discharge the high-voltage capacitor inside the inverter assembly.



13. REMOVE INVERTER COVER

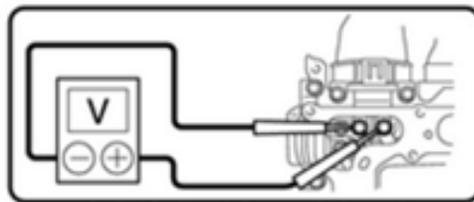
- Verify the 10 minutes have elapsed since step #7f
- Remove the 9 bolts.
- Wearing safety glasses and the previously tested High Voltage Service Gloves**, pull straight up on the cover. Be sure to pull straight up to prevent damage to the Safety Interlock connector on the bottom of the cover.



14. VERIFY TERMINAL VOLTAGE

- Wearing safety glasses and the previously tested High Voltage Service Gloves**, set a DVOM to DC (750v minimum) and measure the voltage between the terminals (terminals of the DC cable that comes from the HV battery) as shown.

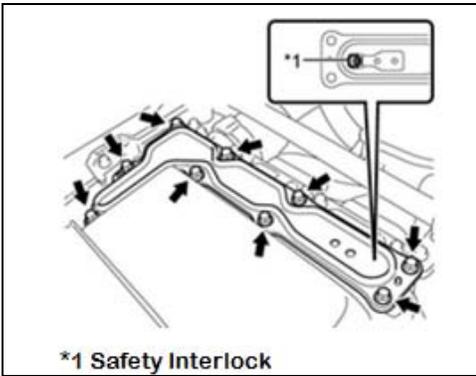
Standard Voltage: 0v



DVOM = Digital Volt Ohm Meter with CAT III rating



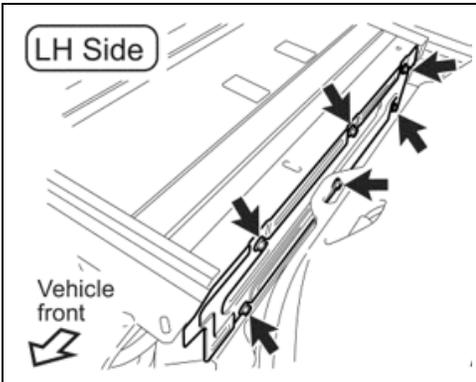
IF voltage other than 0 (zero) is found, do not proceed!! The vehicle is not properly shut down or the high voltage capacitor in the inverter has not bled down. Determine the source of the voltage before continuing.



15. INSTALL INVERTER COVER

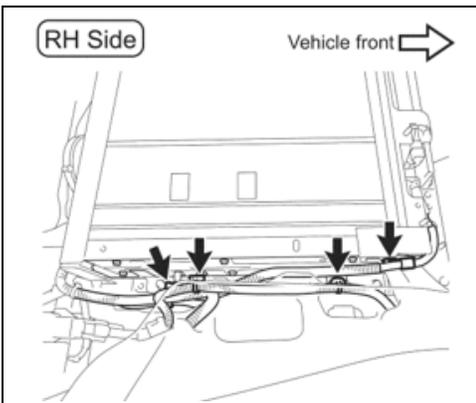
- a. Guide the inverter cover into place, being careful to properly engage the Safety Interlock connector.
- b. Install the 9 bolts.

Torque 8 ft.lbs {11 N·m; 12 kgf·cm}



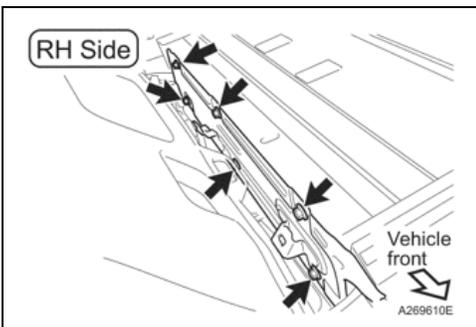
16. REMOVE NO. 1 BATTERY COVER LH

- a. Remove the 6 bolts.
- b. Remove the battery cover LH.

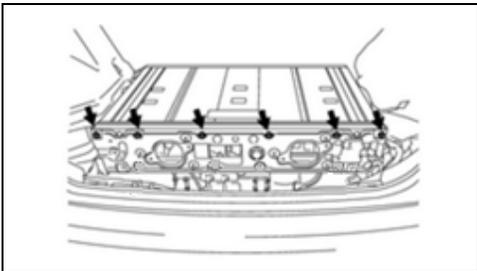


17. REMOVE NO. 1 BATTERY COVER RH

- a. Disconnect the 4 clamps on the RH side of the battery.

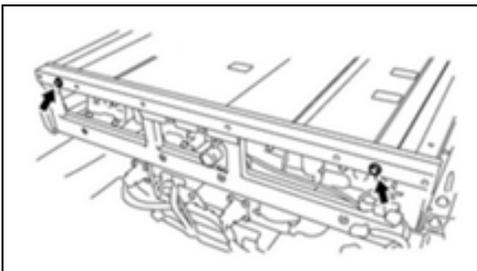


- a. Remove the 6 bolts.
- b. Remove the No. 1 battery cover RH.

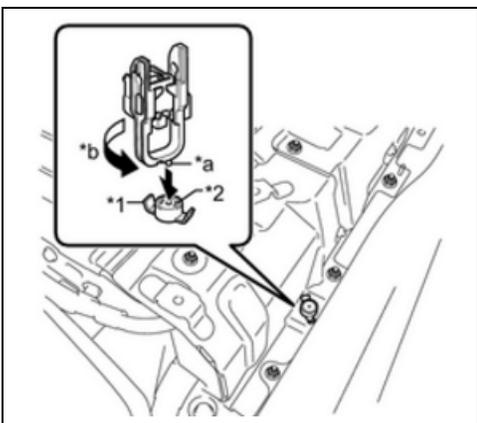


18. UNBOLT UPPER BATTERY COVER - REAR

a. Remove the 6 bolts.



b. Remove the 2 bolts.



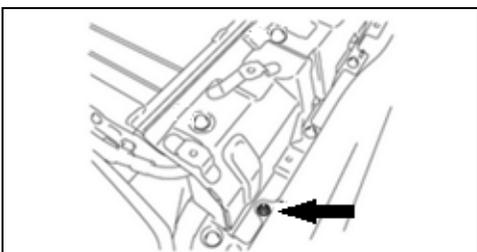
19. UNBOLT UPPER BATTERY COVER - FRONT

a. Use the service plug grip to remove the orange battery cover lock striker. Insert the projection part of the service plug grip, and turn the button of the battery cover lock striker counterclockwise to release the lock.

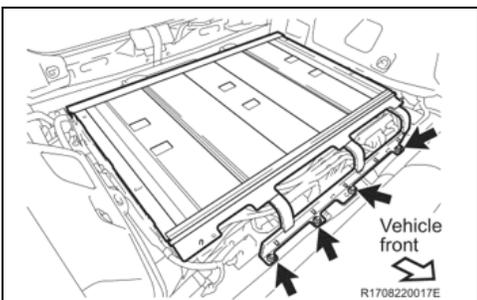
*1	Battery Cover Lock Striker
*2	Button
*a	Projection
*b	Turn



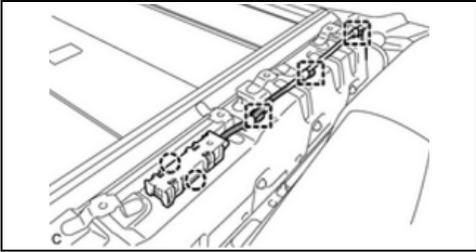
Be sure to always wear safety glasses and high voltage service gloves when any cover of the battery has been removed. In the following steps, you will be removing the covers from the HV battery. DO NOT remove your safety equipment until all the battery covers are properly REINSTALLED.



b. Remove the 1 nut.

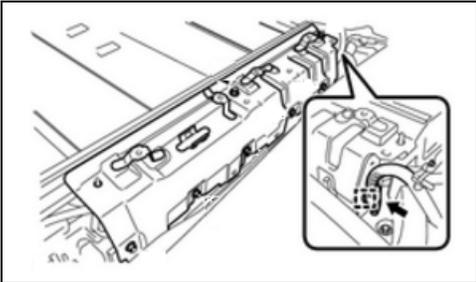


c. Remove the 4 nuts.

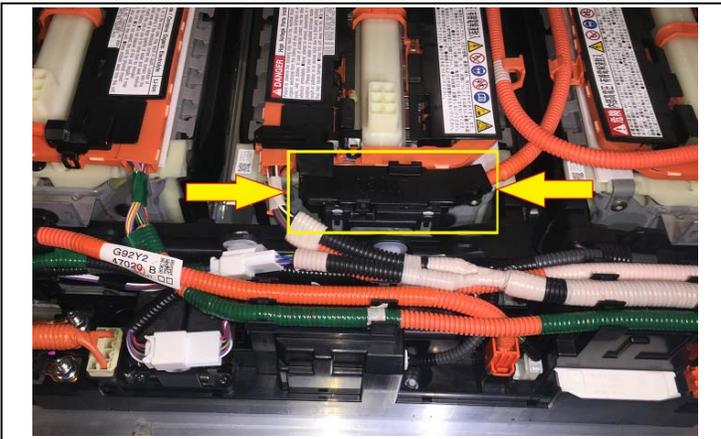


20. REMOVE UPPER BATTERY COVER

- a. Disengage the 2 claws and remove the 3 clamps.
- b. Remove the electrical key oscillator.
- c. Disconnect the connector clamp from the side of the battery case. It is not necessary to unplug the connector.
- d. Carefully lift straight up on the battery cover and safely remove it from the vehicle.

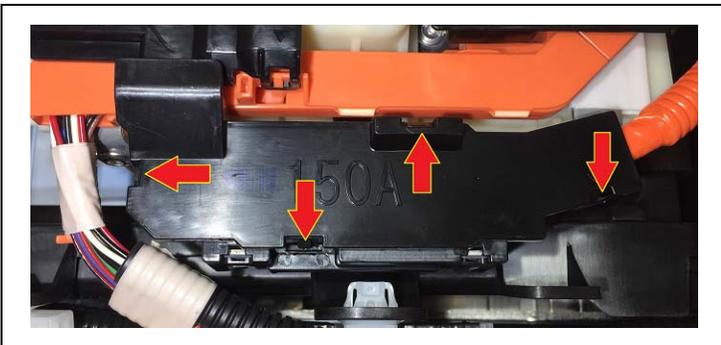


VIII. REPLACE HV FUSE



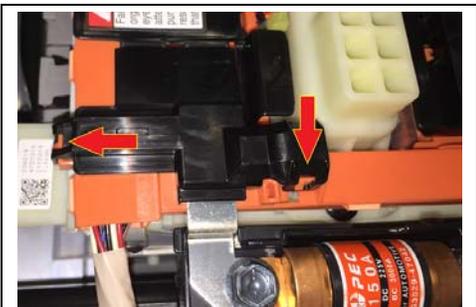
1. LOCATE HV FUSE

- a. The HV Fuse is located toward the front and center of the battery modules. The black plastic cover has '150A' printed on the top.



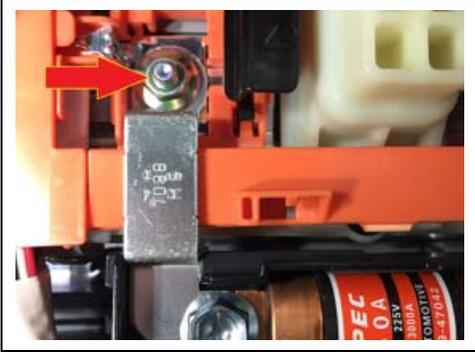
2. REMOVE HV FUSE ACCESS COVER

- a. Disengage the 4 retaining clips and remove the access cover.



3. OPEN TERMINAL ACCESS COVER

- a. Disengage the 2 retaining clips and gently fold the cover rearward.

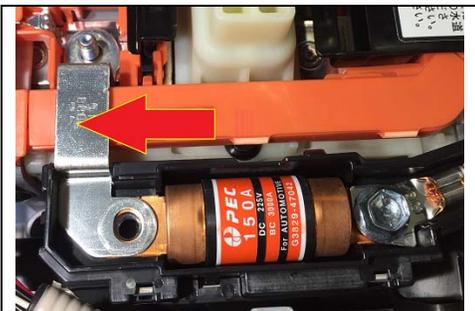


4. REMOVE HV FUSE

a. Remove the nut using the insulated 8mm magnetic extension and insulated ratchet from the HEV workstation.



b. Remove the bolt using the insulated 8mm or 10mm magnetic extension (depending on application) and insulated ratchet from the HEV workstation.



c. Remove the buss bar.



d. Remove the bolt using the insulated 8mm or 10mm magnetic extension and insulated ratchet from the HEV workstation.



e. Remove the electrical cable.

f. Remove the fuse.

5. DETERMINE REPLACEMENT FUSE KIT

Background:

The fuse blocks in the effected vehicles were built with either 5mm or 6mm threads for the fuse retaining bolts. Since the fuse was also sized to these mounting bolts, the identification markings (lines) on the fuse can be used to determine the size of the fuse mounting holes and the necessary bolts. This information will be used to order the correct parts kit.



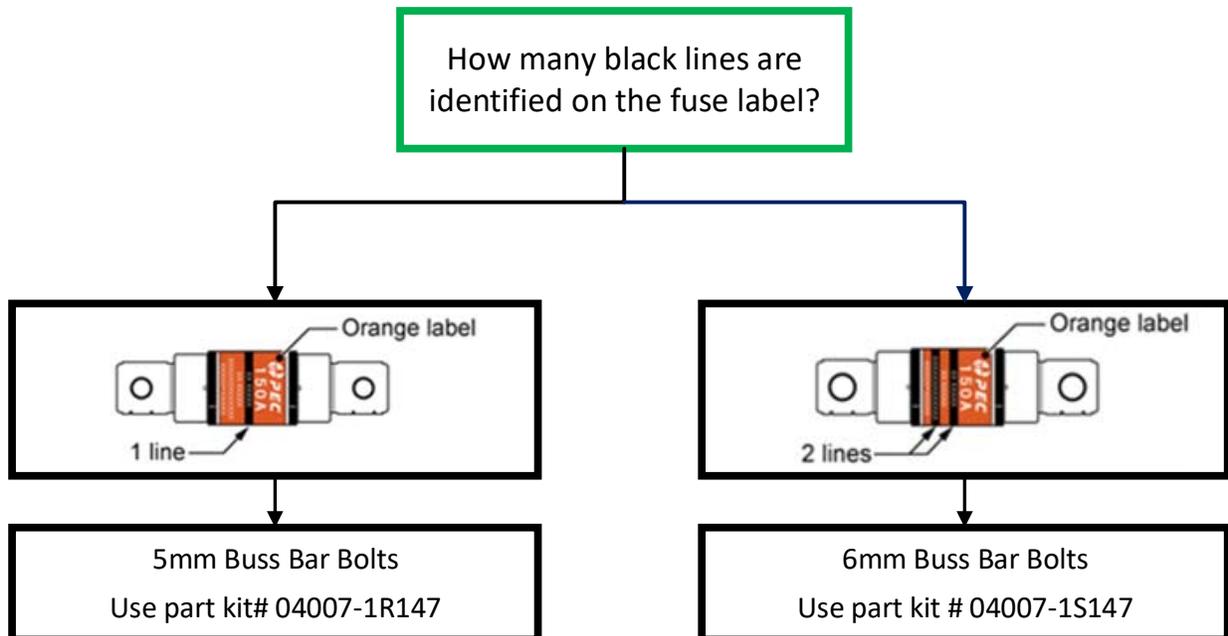
Note: The size of the wrench used to remove the bolt does not indicate the bolt thread size.

Parts Kit: The *NEW* part kit's will contain a HV fuse, two fuse block mounting bolts, and a buss bar nut. Because of the differences in the fuse mounting holes and the thread size of the bolts, there are two different parts kit's offered. The size of the fuse can be identified by the number of black lines on the fuse label.

1 black line = 5mm (replacement kit# 04007-1R147)

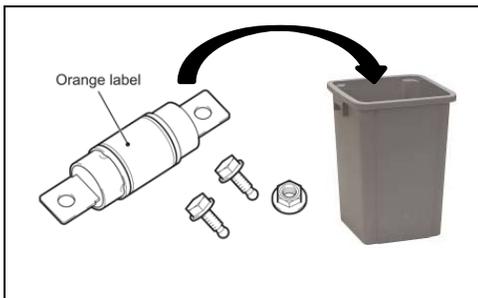
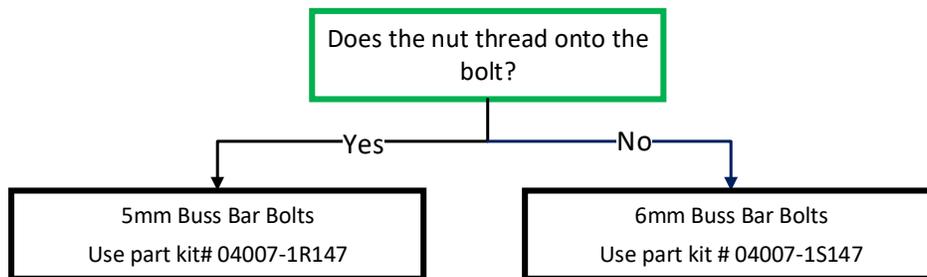
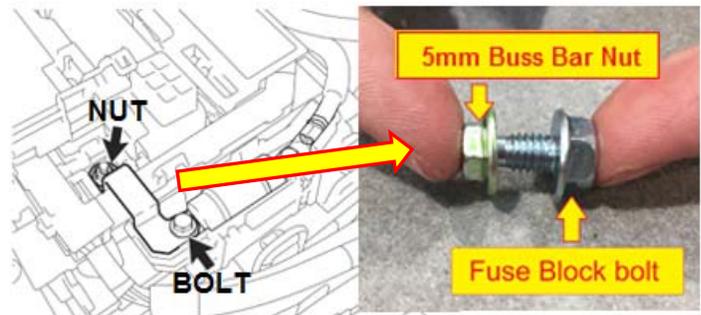
2 black lines = 6mm (replacement kit# 04007-1S147)

- Looking at the fuse that was just removed from the car, note how many black lines are printed on the label. Use the following chart to determine the replacement kit part #.



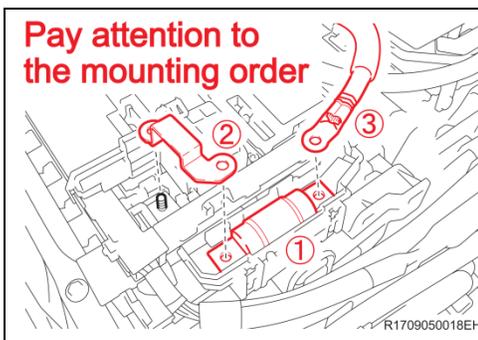
Note: If this battery has received service work in the past, it is possible that the fuse currently installed is not the correct size. For example, a 6mm fuse will fit into a 5mm fuse block (using the 5mm bolts). Always select the parts kit to match the thread size of the fuse block.

If you are unsure about which parts kit to use, try to thread the 5mm nut from the Buss Bar onto the bolt removed from the fuse mounting block.



6. DISCARD ORIGINAL PARTS

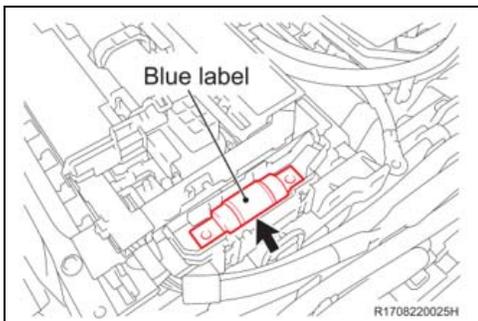
- a. Dispose of the following parts that were just removed, as they will not be reused during reassembly:
- **Orange Label Fuse (removed in Step #4f)**
 - **Bolts (qty. 2 removed in Step #4b & #4d)**
 - **Nut (removed in Step #4a)**



7. INSTALL HV FUSE



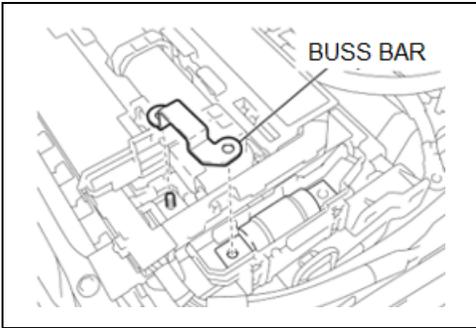
Be sure to follow procedures in this Technical Instructions, or the terminal of the electric vehicle fuse may be deformed and broken.



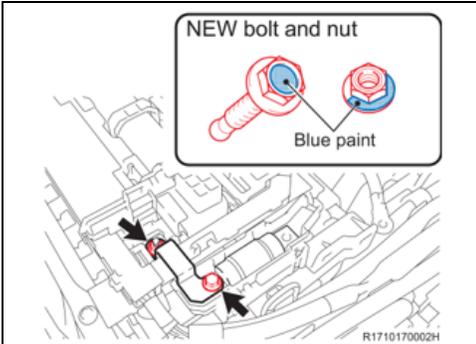
- a. Place the **NEW** (blue label) HV fuse into the fuse block, with the part number facing outward. The fuse can be installed in either the left/right or right/left orientation.



DO NOT drop the electric vehicle fuse.

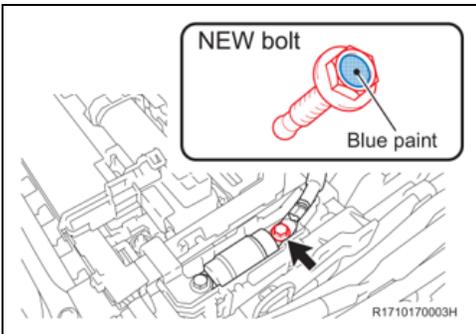


b. Set the Buss Bar into place.



c. Using the insulated magnetic extensions from the HEV Workstation, install the **NEW** nut and **NEW** bolt. Install them hand tight for now.

Note: The **NEW** nut and **NEW** bolts are marked with blue paint to help identify the replacement parts.



d. Place the electrical cable on top of the fuse blade, aligning the bolt holes.

e. Using the insulated magnetic extension from the HEV workstation, install the **NEW** bolt.

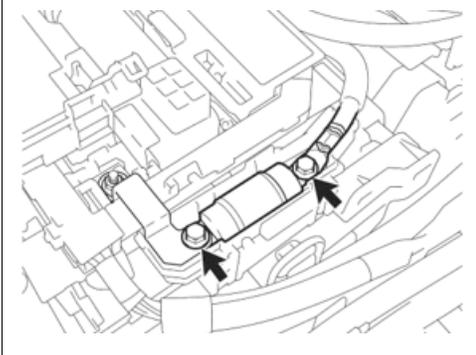


f. Using the insulated magnetic extension and insulated torque wrench from the HEV Workstation, torque the two fuse bolts.

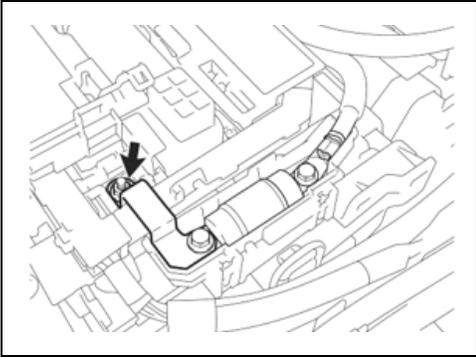
Torque:

M5 bolt: 44 in.lbs {5.0 N·m, 51 kgf·cm}

M6 bolt: 55 in.lbs {6.2 N·m, 63 kgf·cm}



When torquing HV electrical fasteners, it is critical to torque to the exact value specified. DO NOT use any other tool than a properly calibrated torque wrench set to the specified value. The HEV Workstation has the proper torque wrench for this task.



- g. Using the insulated magnetic extension and insulated torque wrench from the HEV Workstation, torque the nut for the Buss Bar.
Torque: 44 in.lbs {5.0 N·m, 51 kgf·cm}

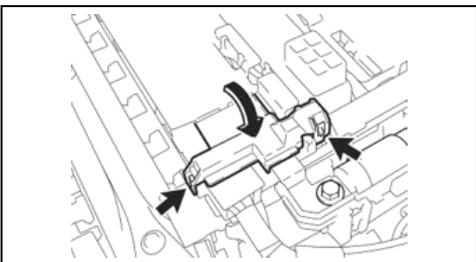
INTERMEDIATE INSPECTION

Perform the intermediate inspection to ensure the following points.

- (1) The orange labeled electric vehicle fuse is replaced with the blue labeled one.
- (2) The 2 bolts are marked with blue paint.
- (3) The nut is marked with blue paint.
- (4) The hardware has been properly torqued.

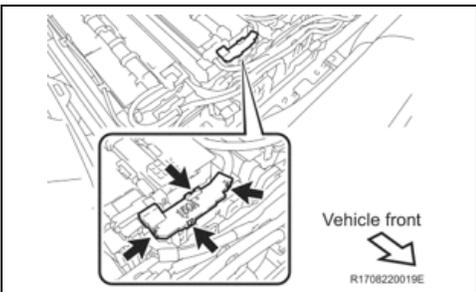
R1710110003H

IX. REASSEMBLY

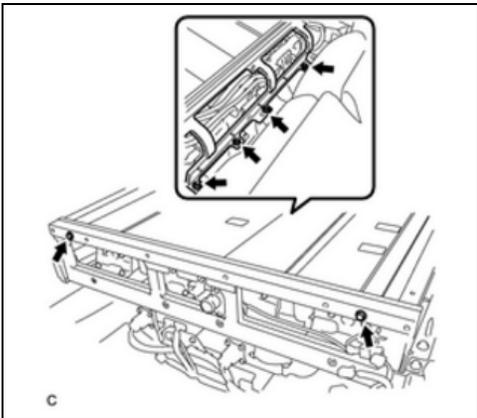


8. REINSTALL TERMINAL COVERS

- a. Close the cover of the No. 6 HV Battery Terminal and engage the 2 claws.

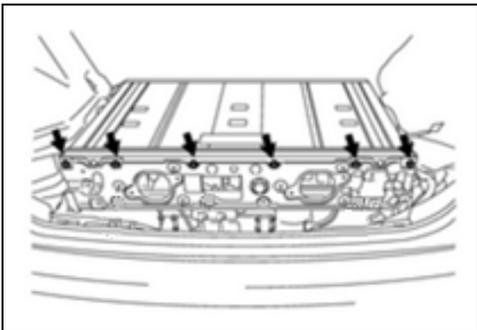


- b. Install the HV Fuse cover and engage the 4 claws.

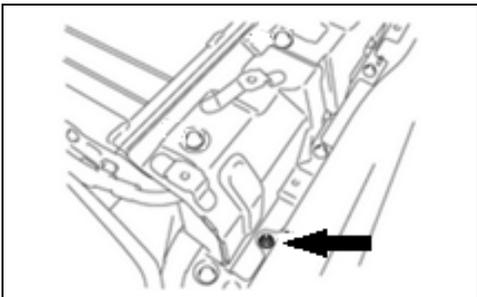


9. INSTALL UPPER BATTERY COVER

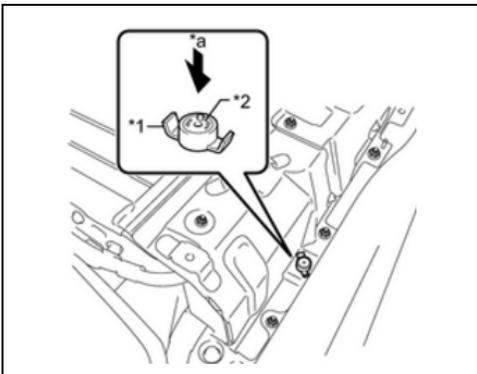
- a. Carefully install the Upper Battery Cover into place.
- b. Install 2 bolts, 4 nuts
Torque Nuts & Bolts: 16 ft.lbs {22 N·m, 221 kgf·cm}



- c. Install the 6 bolts
Torque: 7 ft.lbs {10 N·m, 102 kgf·cm}

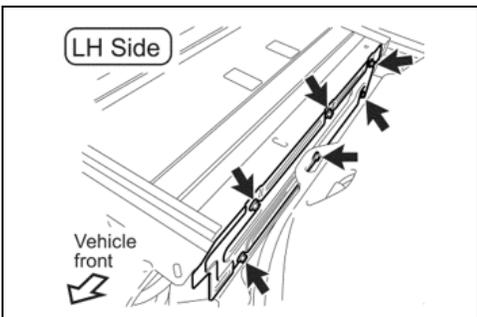


- a. Install the 1 nut.
Torque: 66 in·lbs {7.5 N·m, 76 kgf·cm}



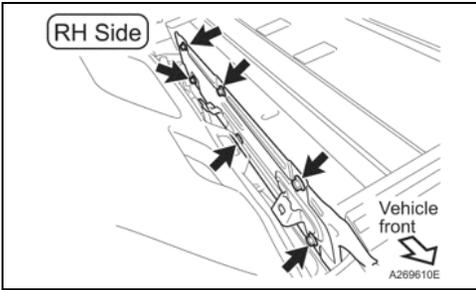
- a. Install the battery cover lock striker, then push the button to lock it.

*1	Battery Cover Lock Striker
*2	Button
*a	Push



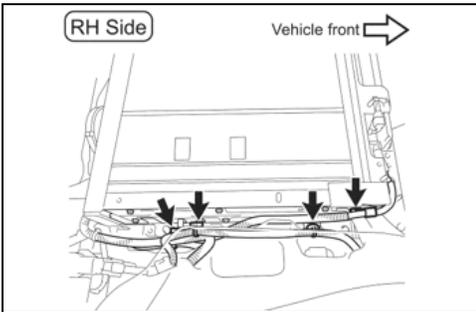
10. INSTALL NO. 1 BATTERY COVER LH

- a. Install the 6 bolts
Torque: 7 ft.lbs {10 N·m, 102 kgf·cm}

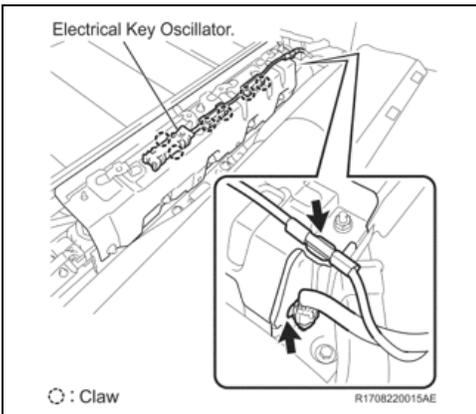


11. INSTALL NO. 1 BATTERY COVER RH

- b. Install the 6 bolts
Torque: 7 ft.lbs {10 N·m, 102 kgf·cm}



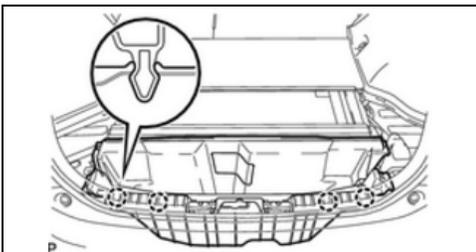
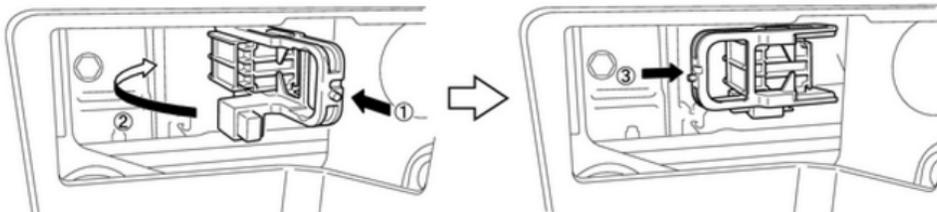
- c. Connect the 4 clamps.



- d. Install the 2 claws and 3 clamps of the electrical key oscillator harness.

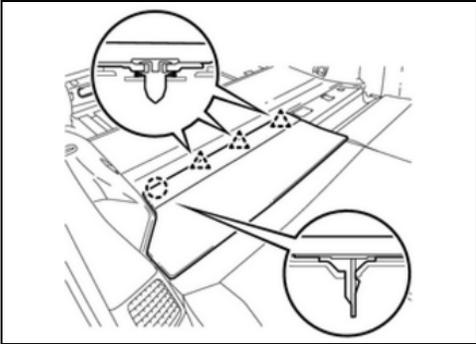
12. INSTALL SERVICE PLUG

- a. **Wearing safety glasses and the previously inspected High Voltage Service Gloves**, insert the Service Plug (*1) and rotate the handle (*2) of the service plug 90 degrees toward the battery. Side the handle it in the direction shown (*3) until a click is heard.



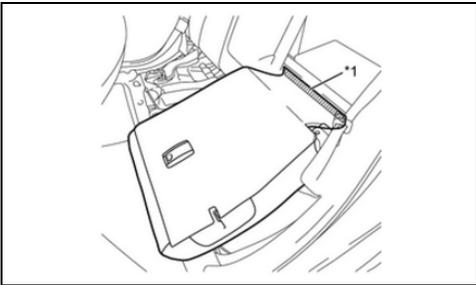
13. INSTALL REAR CARGO TRAY

- a. Engage the 4 claws.

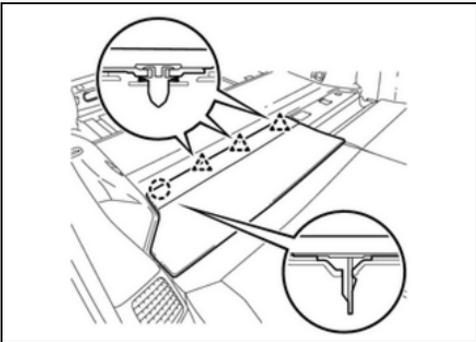


14. INSTALL REAR NO. 1 FLOORBOARD

- a. Engage the 3 fasteners.
- b. Engage the clip.

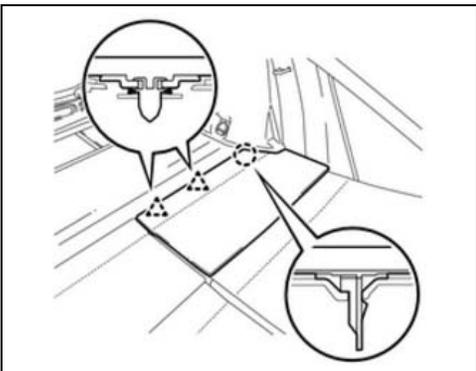


- c. Engage the Velcro type fasteners on the rear of the seats.



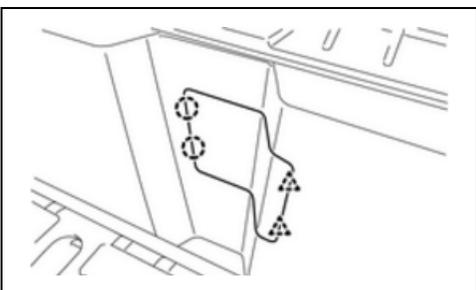
15. INSTALL REAR NO. 1 FLOORBOARD SUB-ASSEMBLY

- a. Engage the claw and 3 clips



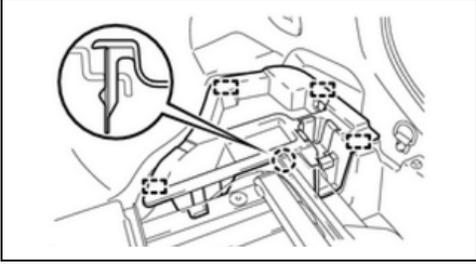
16. INSTALL REAR NO. 2 FLOOR BOARD SUB-ASSEMBLY

- a. Engage the claw and 2 clips.



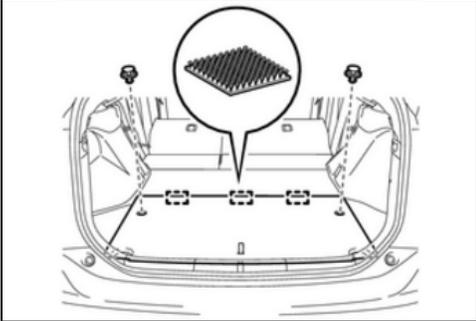
17. INSTALL ACCESS COVER

- a. Engage the 2 clips and 2 claws.
- b. Connect the Negative terminal of the auxiliary battery.
Torque: 48 in.lbs {5.4 N·m, 55 kgf·cm}



18. INSTALL DECK FLOOR BOX LH & RH

- a. Engage the claw and 4 guides.



19. INSTALL FLOORBOARD

- a. Engage the 2 clips.
- b. Engage the 3 fasteners.
- c. Reinstall the carpet mat (if equipped).
- d. Reinstall the Tonneau cover (if equipped).
- e. Return rear seat backs to the upright position.

20. VEHICLES WITH AN OPEN FUSE (if applicable)

If the original HV fuse installed in this vehicle was open (blown), the vehicle will not READY ON until the HV ECU is reset. Complete the following procedure to reset the HV ECU:

- a. Connect the Techstream to DLC3
- b. Enter the following menus: Hybrid Control / Utility / HV Batt Cell Low Volt READY ON Prevention Cancel
- c. Check items on the display and select "Next"
- d. Wait until you get the "HV Batt Cell Low Volt READY ON Prevention Cancel is complete".
- e. Clear all DTC's.

21. COMPLETE ISC LEARNING

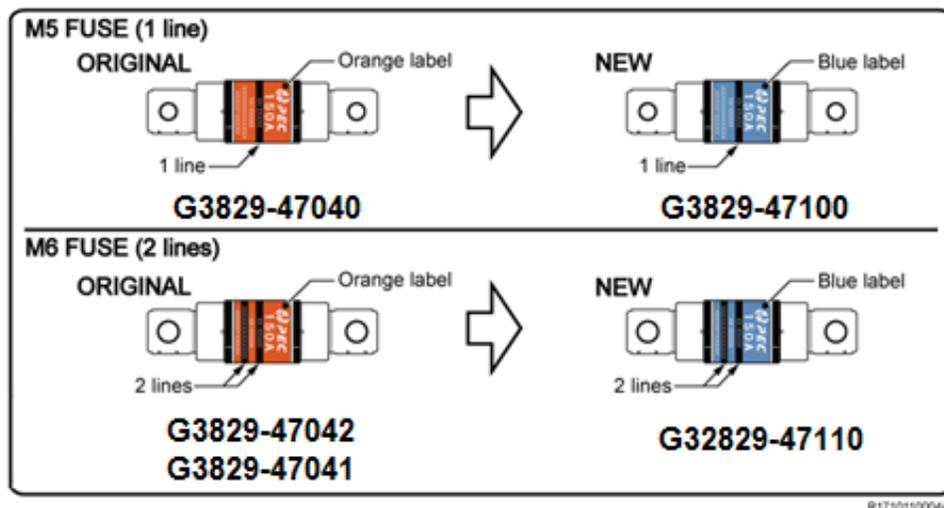
When the auxiliary battery is replaced, or the cable is disconnected from the negative (-) battery terminal, the ISC learning value will be lost and symptoms such as a noise from the hybrid vehicle transaxle assembly may occur until ISC learning is performed.

- a. Connect Techstream to DLC3.
- b. Select Hybrid Control - Data List - Engine Coolant Temp.
- c. Turn the power switch on (READY) and warm up the engine coolant temp displayed in the data list becomes 158°F (70°C) or more.
- d. Turn the power switch off and on (READY) again.
- e. Confirm that the engine coolant temperature is 158°F (70°C) or higher.
- f. With the shift position set to P, press and release the accelerator pedal to start the engine.
- g. Wait until the engine stops.

NOTE: Normally the engine stops within 1 minute. However, the engine may stay running approximately for 3 minutes when the SOC (state of charge) is low.

- h. Select Power train - Engine - Data List on the Techstream display.
- i. Confirm that [ISC learning] indicates [completed] is displayed.

X. REFERENCE



Note:

- The original fuse will have an orange labels, the **NEW** fuse will have a blue label.
- The 5mm fuses will have 1 black line on the label (both orange and blue labels).
- The 6mm fuses will have 2 black lines on the label (both orange and blue labels)

◀ VERIFY REPAIR QUALITY ▶

- Verify that vehicle is returned to original condition before delivery to customer.
- Verify that the steps in these instructions have been accurately followed.

If you have any questions regarding this update, please contact your regional representative.

10. APPENDIX

A. PARTS DISPOSAL

As required by Federal Regulations, please make sure all recalled parts (original parts) removed from the vehicle are disposed of in a manner in which they will not be reused, ***unless requested for parts recovery return.***

B. CAMPAIGN DESIGNATION DECORDER

