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FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

2009 NISSAN Platina OEM Service and Repair Workshop Manual

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①	: EPT sealer
ⓐ	: 10 mm (0.39 in)

CAUTION:
Do not deviate from the position of EPR seal shown in the figure.

NOTE:

- **Since the work is done with insulated gloves, ⓐ are used as dedicated handles.**
- **Bend handles ⓐ down and stick them to the inclined parts.**

RDE-001999653

BATTERY PACK UPPER CASE REAR

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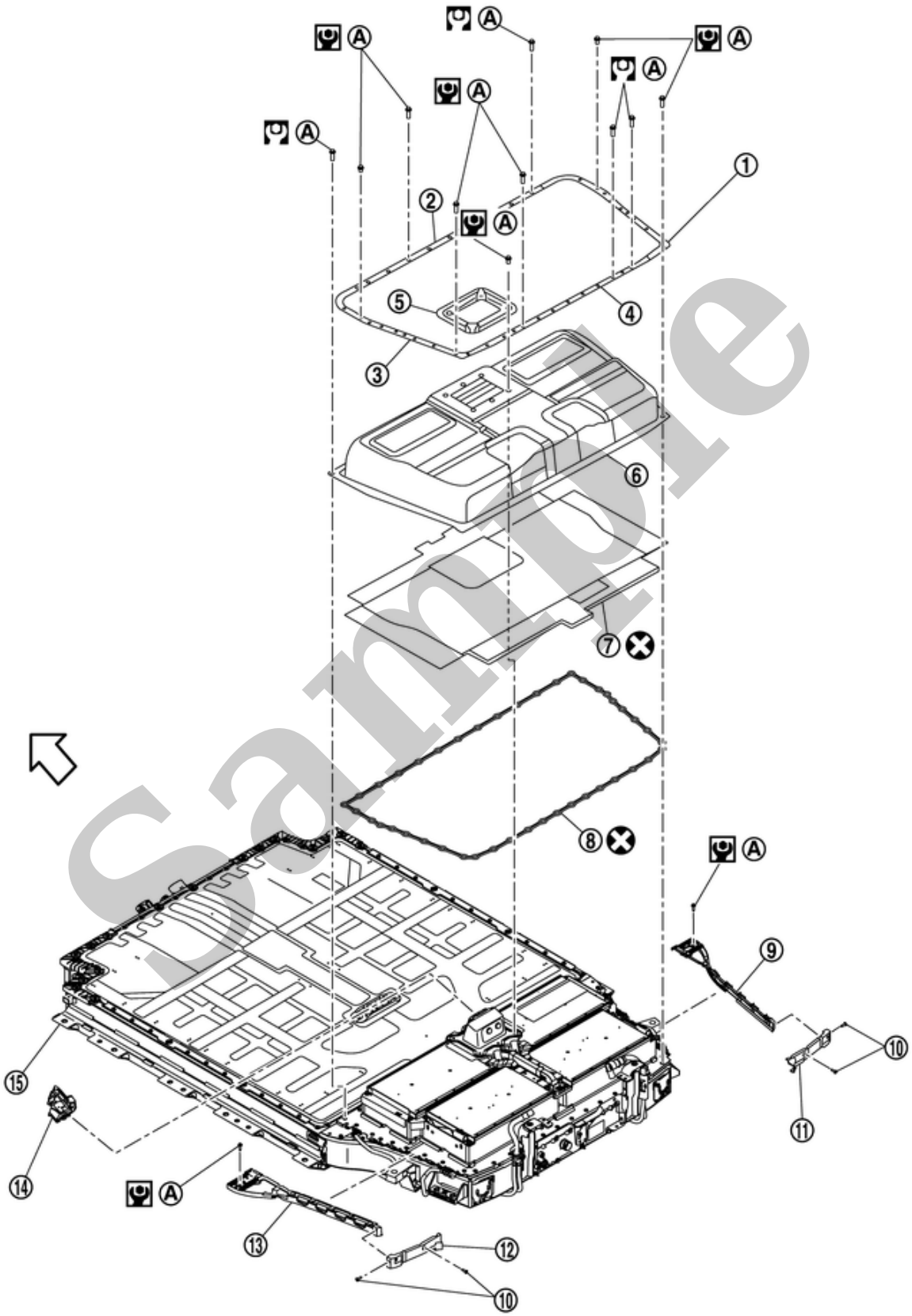

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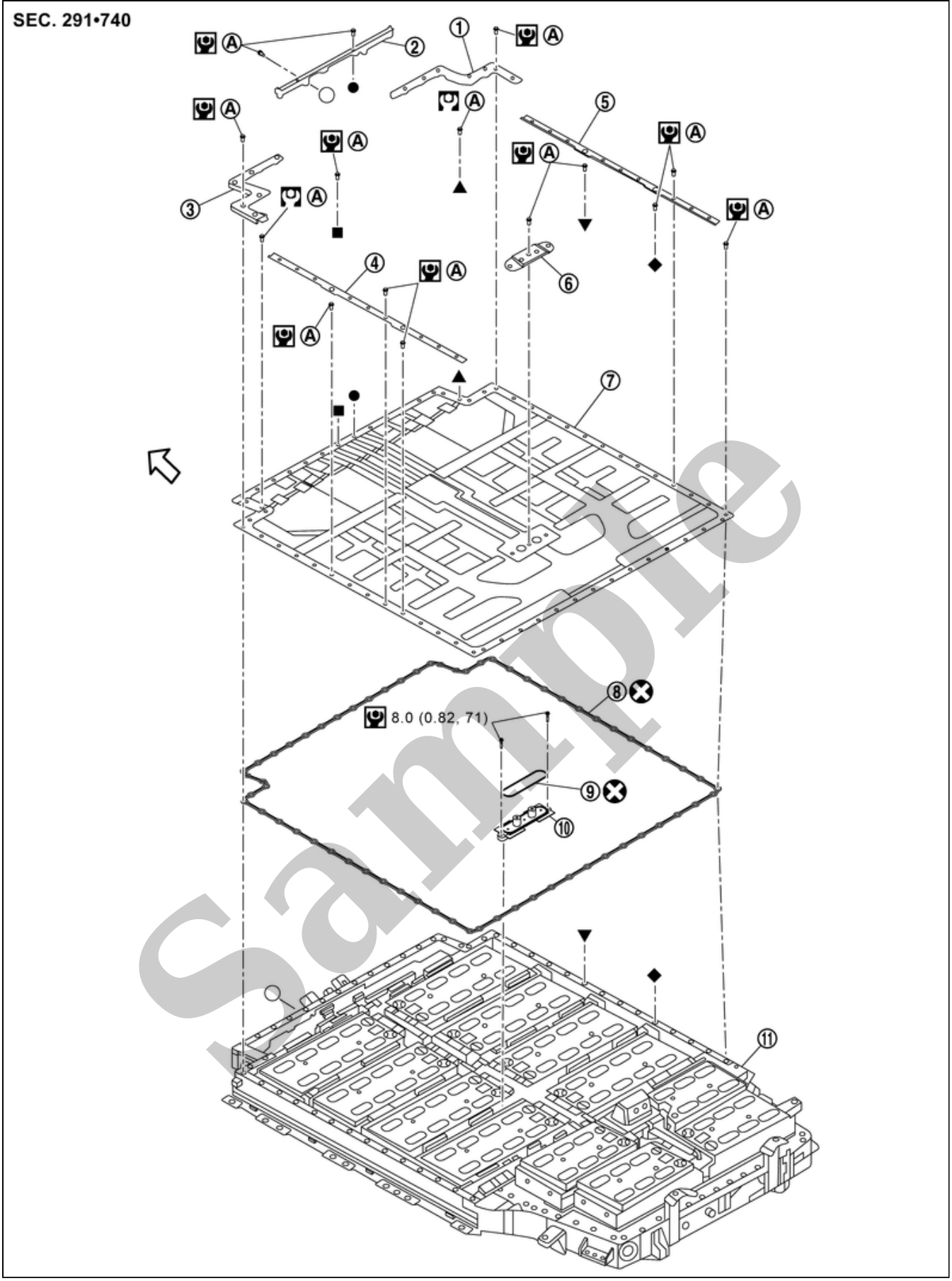
①	Retainer (RH)	②	Retainer (FR)	③	Retainer (LH)
④	Retainer (RR)	⑤	Service plug retainer	⑥	Battery pack upper case rear
⑦	Insulator cover	⑧	Seal	⑨	Resin retainer

⑩	Clip	⑪	Resin retainer	⑫	Resin retainer
⑬	Resin retainer	⑭	Service plug	⑮	Battery pack lower case
Ⓐ	: Comply with the assembly procedure when tightening. Removal & Installation				
	: Vehicle front				
	: Always replace after every disassembly.				
	: N·m (kg-m, in-lb)				

BATTERY PACK UPPER CASE FRONT



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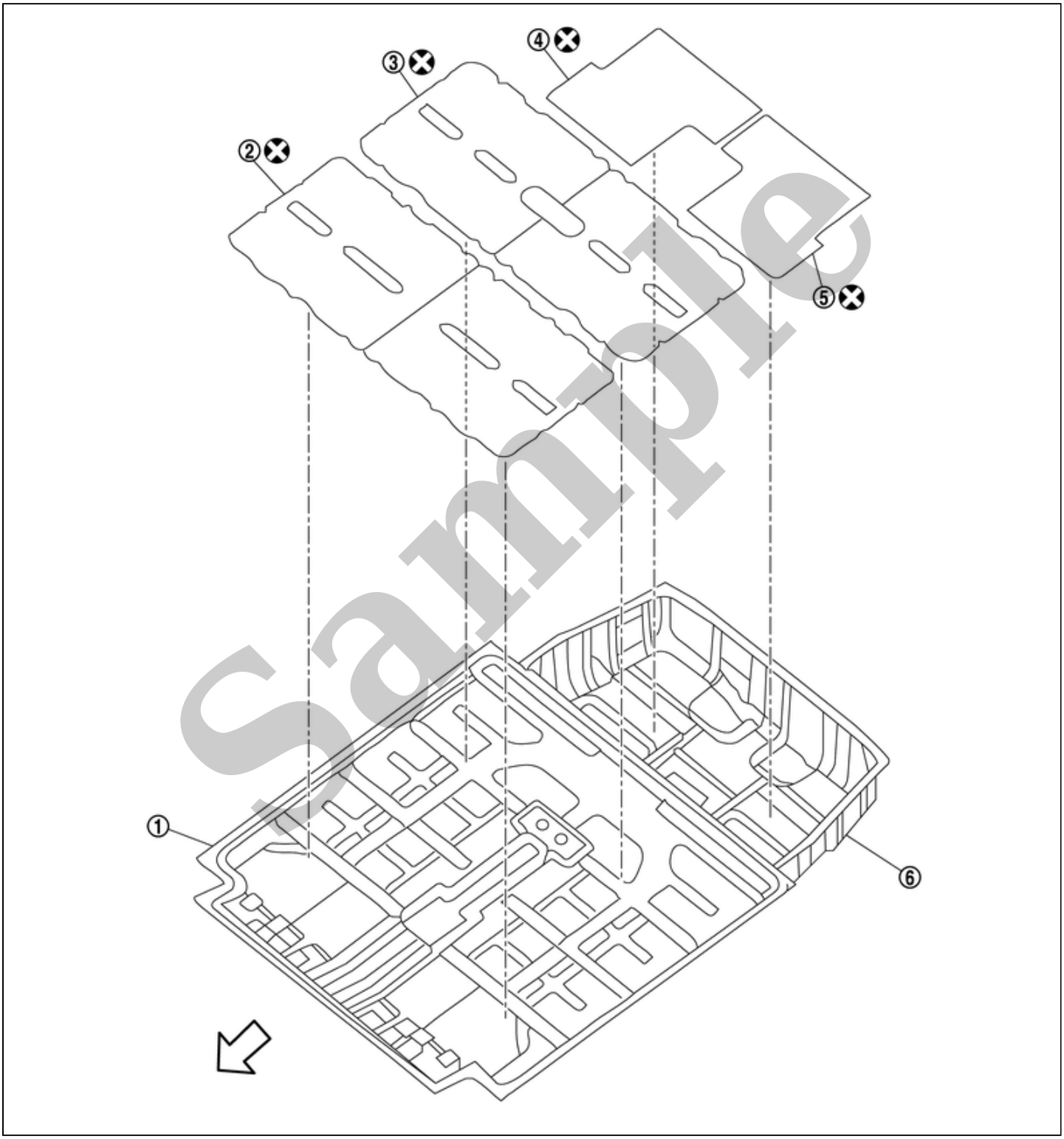
①	Resin retainer	②	Resin retainer	③	Resin retainer
④	Retainer	⑤	Retainer	⑥	Retainer
⑦	Battery pack upper case front	⑧	Seal	⑨	Seal
⑩	Bracket	⑪	Battery pack lower case		
Ⓐ	: Comply with the assembly procedure when tightening. Removal & Installation				

⇦	: Vehicle front				
⊗	: Always replace after every disassembly.				
	: N·m (kg-m, in-lb)				
●,▲,■,▼,◆,○,△,□: Indicates that the part is connected at points with same symbol in actual vehicle.					

Heat shield sheet



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①	Battery pack upper case	②	Heat shield sheet	③	Heat shield sheet
④	Heat shield sheet	⑤	Heat shield sheet	⑥	Heat shield sheet
⇦	: Vehicle front				

⊗	: Always replace after every disassembly				

RPR-001999648

DANGER:

Since hybrid vehicles and electric vehicles contain a high voltage battery, there is the risk of electric shock, electric leakage, or similar accidents if the high voltage component and vehicle are handled incorrectly. Be sure to follow the correct work procedures when performing inspection and maintenance.

WARNING:

- **Be sure to remove the service plug in order to shut off the high voltage circuits before performing inspection or maintenance of high voltage system harnesses and parts.**
- **Be sure to put the removed service plug in pocket and carry it or store it in a tool box or other container so that another person does not accidentally connect it while work is in progress.**
- **Be sure to put on insulating protective gear before beginning work on the high voltage system.**
- **Clearly identify the persons responsible for high voltage work and ensure that other persons do not touch the vehicle. When not working, cover high voltage components with an anti-static cover sheet or similar item to prevent contact with other persons. Refer to HIGH VOLTAGE PRECAUTIONS : Precautions.**
- **If the battery pack is to be disassembled, be sure to remove the Li-ion battery controller for preventing electric shock, fire, and damage to parts.**

CAUTION:

There is the possibility of a malfunction occurring if the vehicle is changed to READY status while the service plug is removed. Therefore do not change the vehicle to READY status unless instructed to do so in the Service Manual.

ENVIRONMENT FOR LI-ION BATTERY DISASSEMBLY WORK

1 Must be an indoor environment.

- The environment must utilize a shutter or other means to shut out the outside environment and prevent rain, snow, dust, or other substances from entering.
- The environment must not cause the intrusion of sweat during work, or cause condensation to occur due to high temperature or humidity.

2 Metal powder, grease, and other foreign substances must not enter.

- The indoor environment must also prevent metal powder, grease, and other foreign substances from entering due to maintenance performed on other vehicles and other sources during disassembly work.
- If there is a risk of the above substances entering, take appropriate countermeasures, such as use of a vinyl curtain or an equivalent to shut out the outside environment.

3 The floor must be dry.

- The floor must not be wet as a result of factors such as vehicle entry during rain or snow.

4 Work space

- The work space must be approximately the size of one entire vehicle.
- Take appropriate countermeasures so that persons other than the operator do not enter the work space, such as by placing signs indicating that disassembly work is in progress.

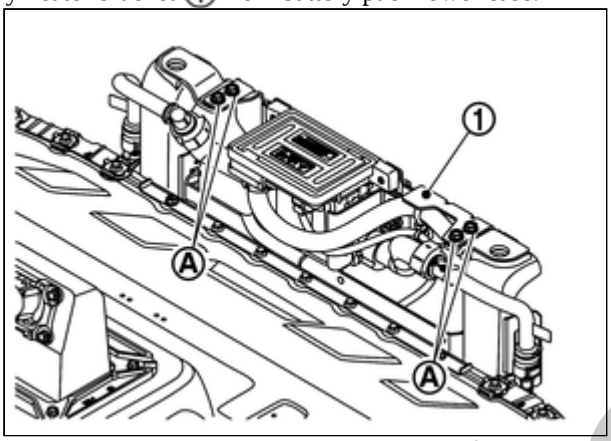
5 Standard fire fighting equipment

- Always place a standard fire fighting equipment in the disassembly work area.
- Depending on type of fire (vehicle or battery) use standard fire fighting equipment (water or extinguisher).

BATTERY PACK UPPER CASE REAR

REMOVAL

1 Remove tightening bolts Ⓐ of battery heater bracket ① from battery pack lower case.



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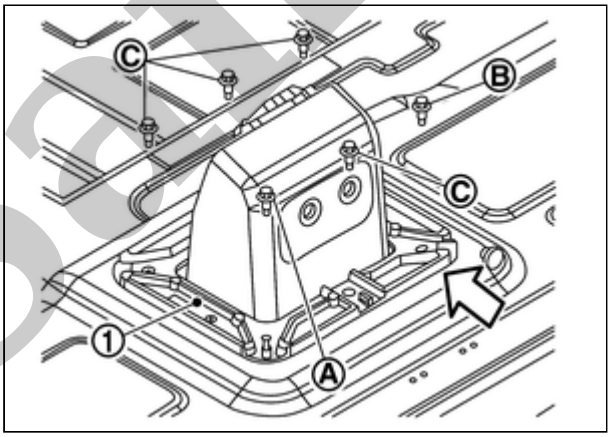
WARNING:

To prevent electric shock, wear insulated protective gear.

2 Remove Li-ion battery cooler tube from battery pack upper floor assembly. Refer to Disassembly & Assembly.

3 Remove service plug retainer ①.



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⇦	: Battery front

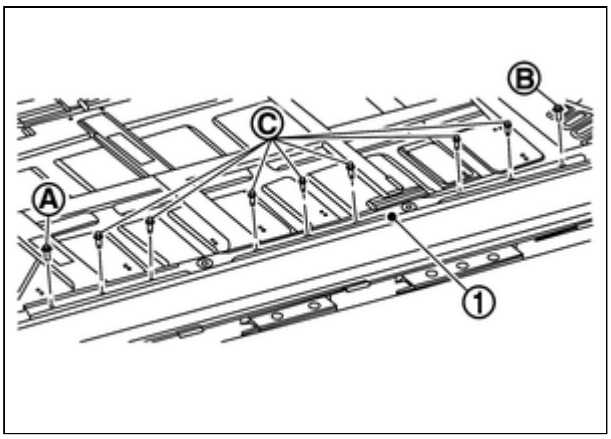
NOTE:

Remove bolts in the order of Ⓒ→Ⓑ→Ⓐ.

WARNING:

To prevent electric shock, wear insulated protective gear.

4 Remove left and right retainers.



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NOTE:

- **The figure shows the left side.**
- **Remove bolts for each retainer in the order of Ⓒ→Ⓑ→Ⓐ.**

WARNING:

To prevent electric shock, wear insulated protective gear.

5 Remove left and right resin retainer.

6 Remove each bolt and for each retainer (FR, RR, LH and RH).

7 Hold both sides of the battery pack upper case to remove it.

8 Remove insulator cover.

9 Remove the seal from battery pack upper floor assembly.
Remove the seal from service plug bracket.

INSTALLATION

1 Check that heat shield sheet is still stuck back of battery upper case.

- When the sheet is peeled or battery pack upper case rear is replaced, stick new heat shield sheet according to the following procedure.

a Place the battery pack upper case on a pre-cured area so that the outside of the battery pack upper case rear is not damaged

b Wipe the surface of the battery pack upper case rear where the heat shield sheet are stuck with a dry cloth to remove oil and dust.

c If the temperature of the work space is 15 ℃ (59 °F)or less, heat the surface of the battery pack upper case rear where heat shield sheet are stuck to 15 - 50 ℃ (59 - 112 °F)with a heat gun or equivalent.

CAUTION:
Work on carton box to prevent the warmed heat from escaping.

- For the battery pack upper case rear, warm the surface where the heat shield sheet are stuck for at least 5 minutes so that the entire surface is at least 15 ℃ (59 °F).
- Remove the release paper from the heat shield sheet, and then heat the side stuck to battery pack upper case rear for at least 1 minute so that its temperature is 15 ℃ (59 °F) or higher.