

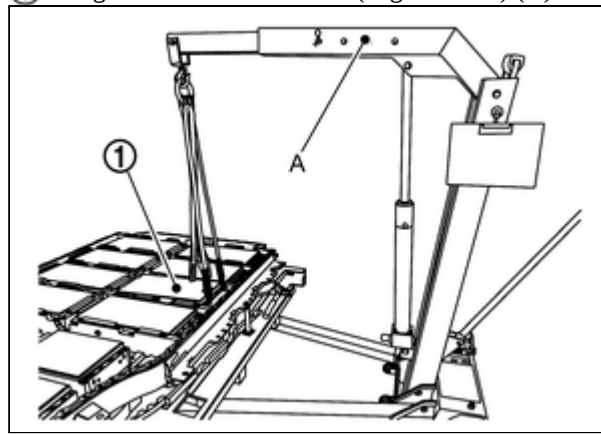
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2009 NISSAN Note OEM Service and Repair Workshop Manual

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9 Lifting load is applied to the module ① using the mobile floor crane (engine crane) (A).



RPR-001999658-17-000365597

WARNING:



To prevent electric shock, wear insulated protective gear.



CAUTION:

- If too much load is applied, the shock when it comes off is large. so carefully apply the load.
- Battery pack is not lifted up by the load.



NOTE:

- lifting load must be within 100 kgf approximately.
- The figure shows module No. 14 (MD14).

10 Pry resin scraper (service parts: 299A3 5MP0A) left and right to peel the adhesion of gap filler.

WARNING:



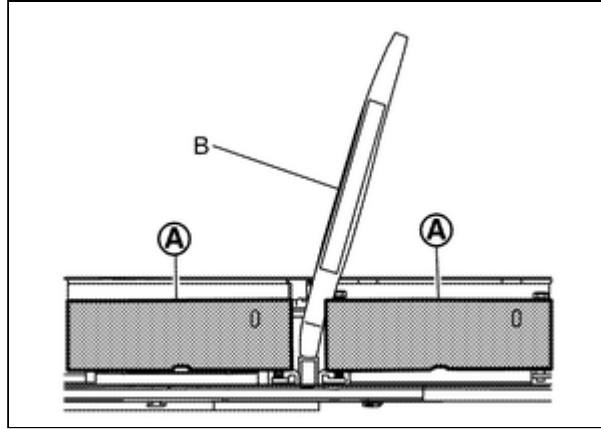
To prevent electric shock, wear insulated protective gear and use insulated tools.



Do not use metal bar, etc., it may cause electric shock, damage to floor surface due to battery pack, damage to module, and liquid leakage.

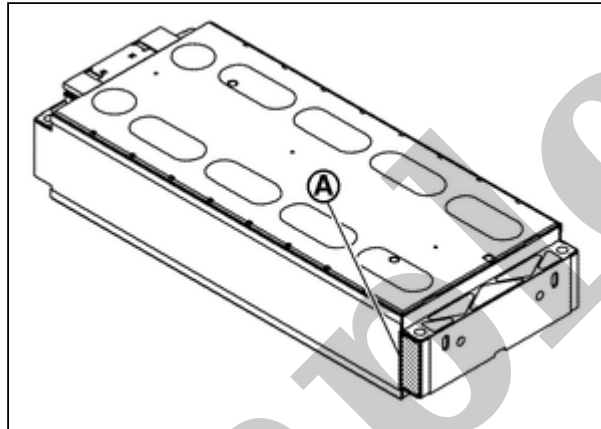
CAUTION:

- Insert one with the thicker tip of resin scraper (service part: 299A3 5MP0A) (B) between the module end plate ①.



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- Never pry except module end plate (A) to prevent module from damaging, deforming and leaking liquid.



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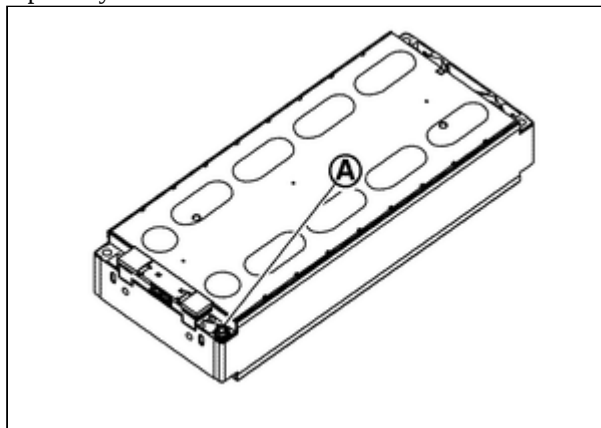
- Never remove 2 modules or more to prevent battery pack from weight unbalance except replacement work of battery upper floor assembly.



NOTE:

- Modules are in close contact with gap filler applied to battery upper floor assembly.
- It can be peeled off from gap filler by sliding module sideways.
- Since adhesive strength of gap filler is weakened, the part that was peeled off once is not re-bonded.

11 Remove module bolt (A) that was temporarily installed to terminal side.



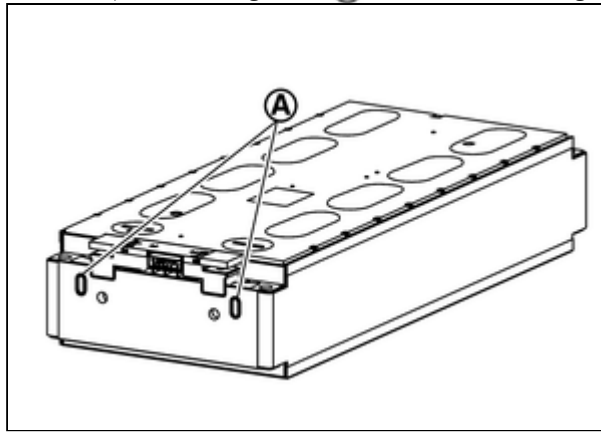
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NOTE:


When module is lifted up, load the module on battery upper floor assembly by lowering mobile floor crane

12 Hang carabiners (service part: 299A3 5MP0A) in the lifting holes (A) and install belt slinger.



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WARNING:

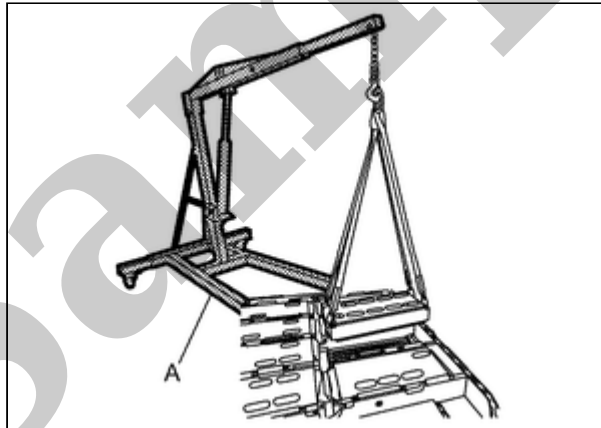
 To prevent electric shock, wear insulated protective gear.



NOTE:


Carabiners (service part: 299A3 5MP0A) are packed with new module.

13 Remove module from battery upper floor assembly by lifting up 4 points of module with mobile floor crane (A).



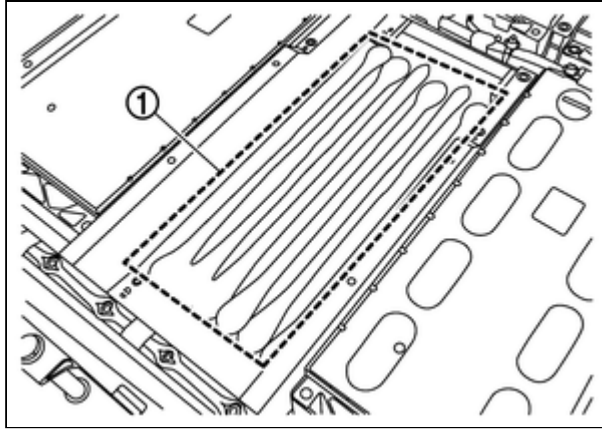
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WARNING:

 To prevent electric shock, wear insulated protective gear.



14 Peel off gap filler (1) from battery upper floor assembly.



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WARNING:



To prevent electric shock, wear insulated protective gear.



NOTE:

- Gap filler can be peeled off with hands.
- If it is not peeled off with hands, use resin scraper without damaging battery upper floor assembly.

15 When remove battery pack upper floor assembly, Remove all of mobile on 2nd floor.

16 Remove all of mounting bolt on battery pack upper floor assembly. And then remove battery pack upper floor assembly from battery pack lower case.

ASSEMBLY

Note the following items, and assemble in the reverse order of disassembly.

DANGER:



There is the danger of electric shock caused by contact with the terminals. Be sure to wear insulated protective gear and use insulated tools.



Because there is a danger of electric shock and fire, never allow bus bar to contact a wrong terminal.

- If bus bar contacts a wrong terminal, the circuit becomes energized and a short may occur.
- Always keep the bus bar cover closed until immediately before the installation of bus bar.

1 Check back of battery upper floor assembly for foreign material or peeled gap filler

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

a Place the battery upper floor assembly on a pre-cured area so that the outside of the battery upper floor assembly is not damaged

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

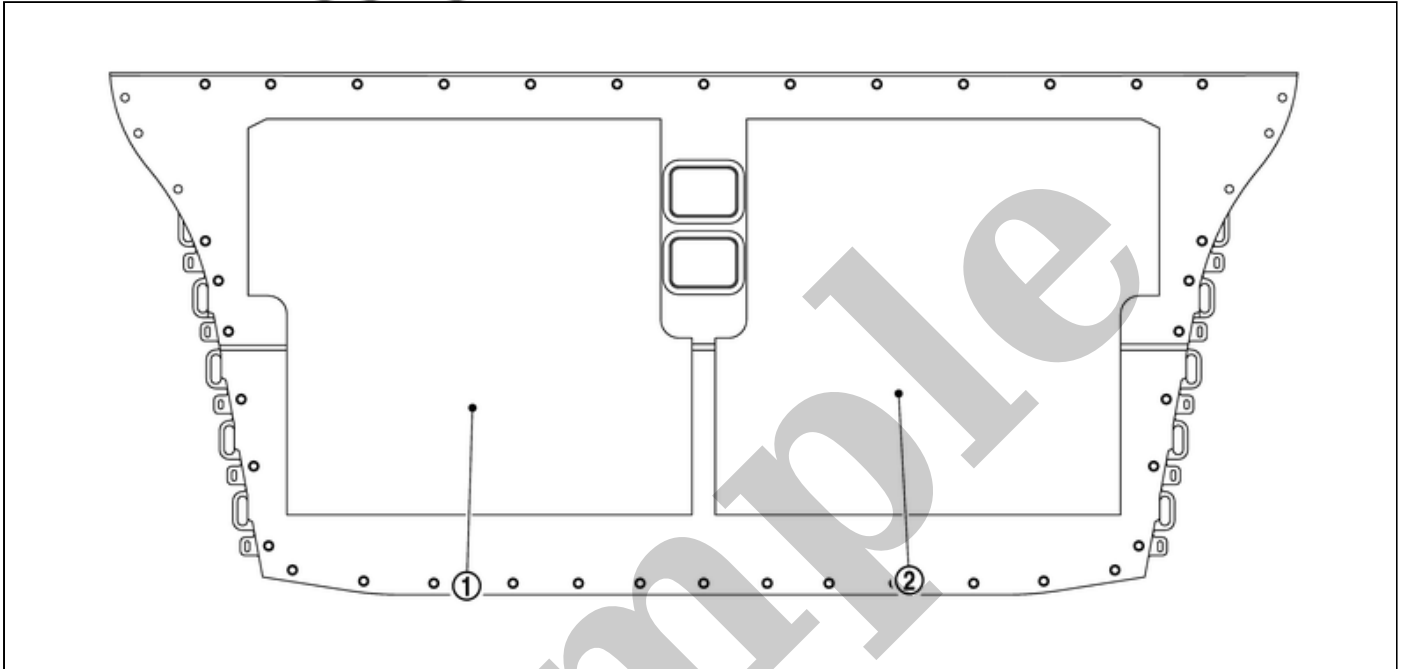
c If the temperature of the work space is 15 °C (59 °F) or less, heat the surface of the battery upper floor assembly where heat shield sheet are stuck to 15 - 50 °C (59 - 112 °F) with a heat gun or equivalent.

CAUTION:

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

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

d Stick the heat shield sheet ①, ② and ③ to the battery upper floor assembly as shown in the figure.

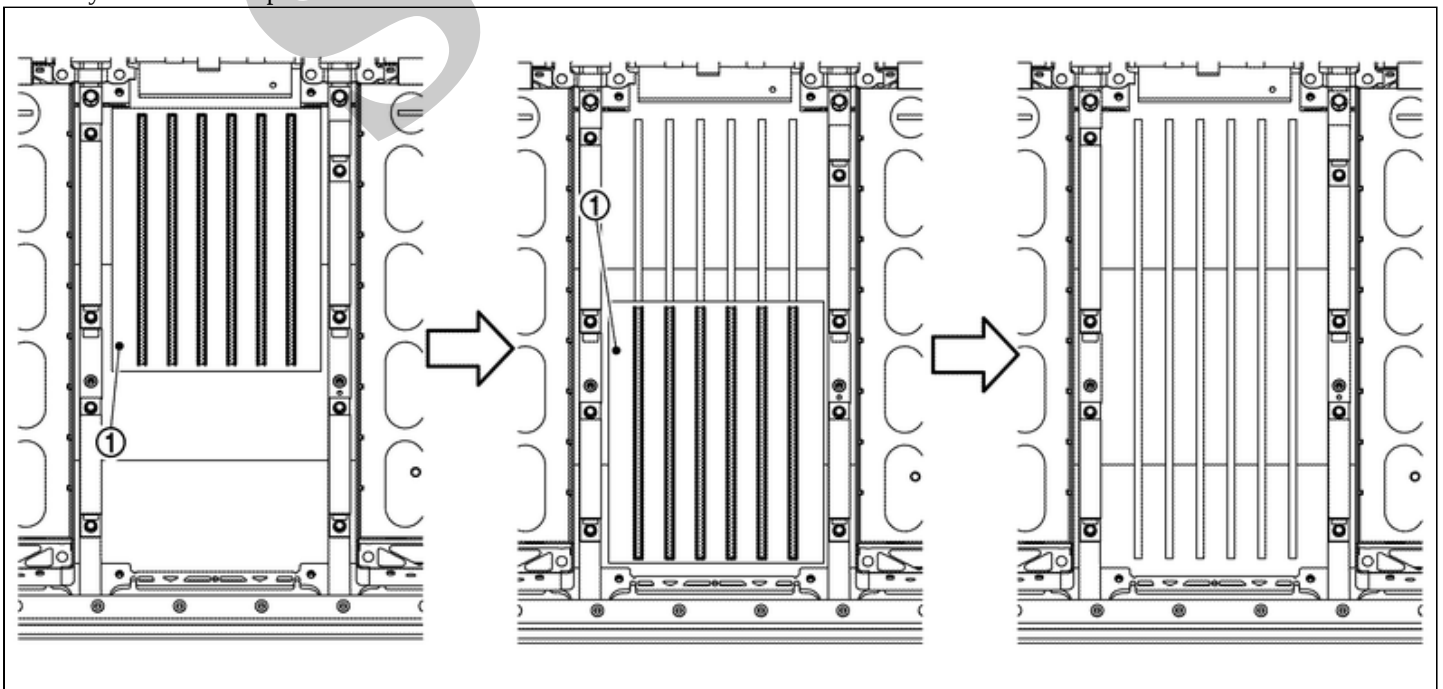


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e After sticking the heat shield sheet, press the whole by hands.

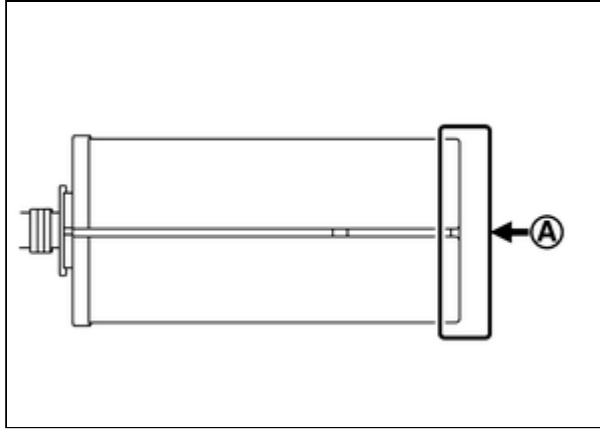
2 Check battery upper floor assembly inside for foreign material or peeled gap filler

3 Set gauge template sheet ① to battery upper floor assembly as shown in the figure and then write lines on battery upper floor assembly with oil-based pen.



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CAUTION:



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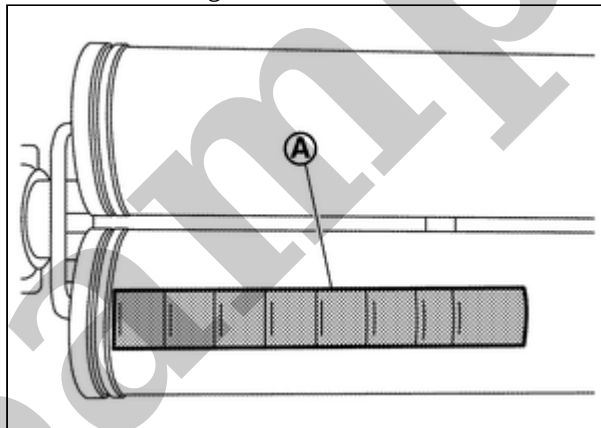
CAUTION:

- If leakage is found, gap filler is separated. Prepare a replacement [Battery Gap Filler Kit (Service Part: B9522 5MP0A)] without using it.
- Check carefully for leakage because liquid is colorless.

6 Set static mixer to cartridge.

7 Set cartridge to the gap filler gun [SST: BP2000400Z (J-53350)].

8 Attach guideline label (A) to cartridge as shown in the figure.



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CAUTION:

Since guideline labels are depending on specification of battery and attached positions, select and attach specified one.

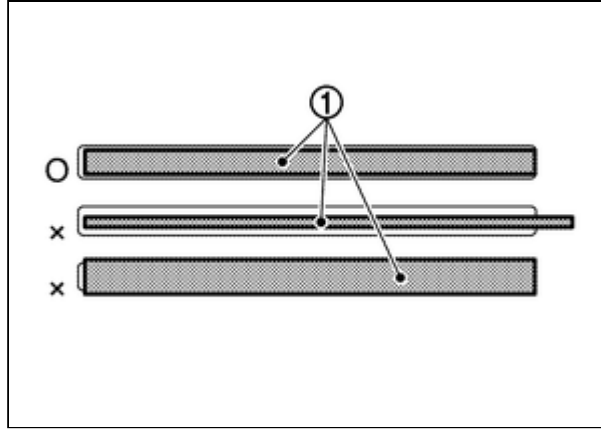
Guideline label

: B-84 ml

9 Apply gap filler in accordance with lines written on the battery pack lower case.

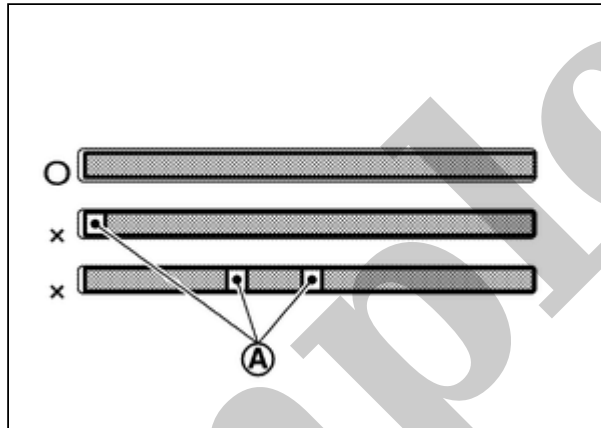
CAUTION:

- Apply one row using one scale on cartridge. (If there is surplus, add it to a place with less amount.)
- If gap filler (1) is applied thicker than the width of the lines, the amount will be short, so be careful.



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- When applying gap filler, if the coating bead contains colorless liquid (A), stop to use it because gap filler is separated and prepare a replacement [Battery Gap Filler Kit (service part:B9522 5MP0A)].



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- The process from the start of gap filler application to the completion of module installation (including tightening bolt) must be within 1 hour.



NOTE:

One cartridge can be applied for just one module.

10 Install guide pin [SST: KV99119600 (J-53348)] to battery upper floor assembly.

11 Install module in the reverse order of removal.



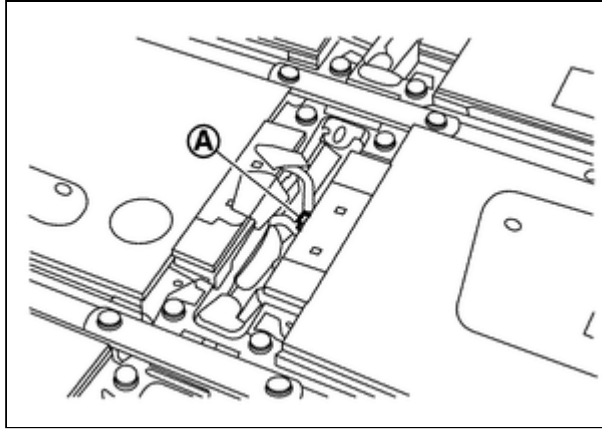
NOTE:

When installing module mounting bolts, remove guide pin [SST: KV99119600 (J-53348)].

MODULE (1ST FLOOR)

DISASSEMBLY

- 1 Remove battery pack upper case rear. Refer to [Removal & Installation](#).
- 2 Remove battery upper floor assembly (With module).
- 3 Remove each busbar. Refer to [Disassembly & Assembly](#).
- 4 Remove harness connector (A) from module.



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WARNING:



To prevent electric shock, wear insulated protective gear.



CAUTION:

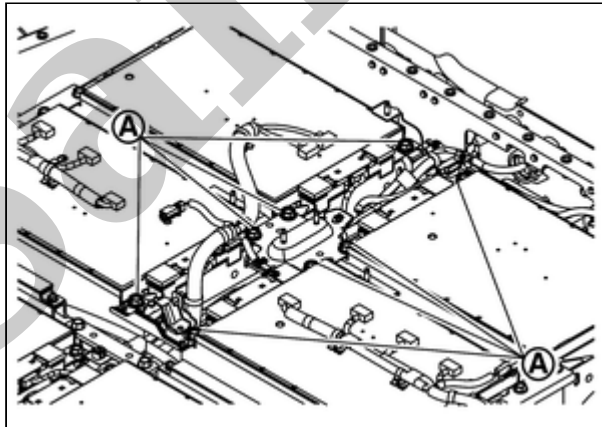
Because there is the danger of electric shock, immediately insulate removed connector with insulating tape.



NOTE:

Lock of harness connector is located lower side.

5 Remove bracket bolts (A) that contact to the module to be removed.



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WARNING:



To prevent electric shock, wear insulated protective gear and use insulated tools.



6 Remove bolt (A). And then remove bracket (B).