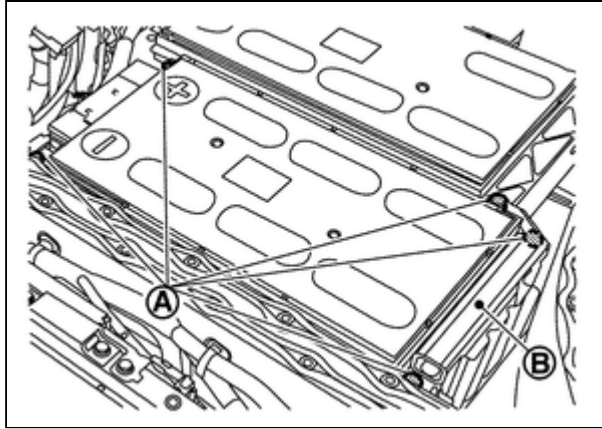


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2009 NISSAN NP300 Pickup Double Cab OEM Service and Repair Workshop Manual

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RPR-001999658-30-000402160



NOTE:

- The figure shows module No.5 (MD5).

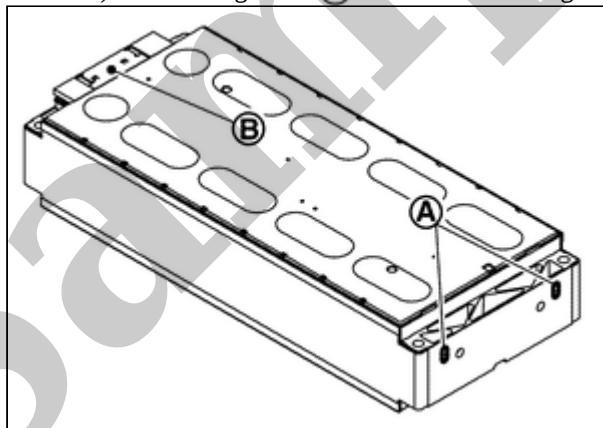
WARNING:



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



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



RPR-001999658-31-000365595

WARNING:



To prevent electric shock, wear insulated protective gear.



CAUTION:

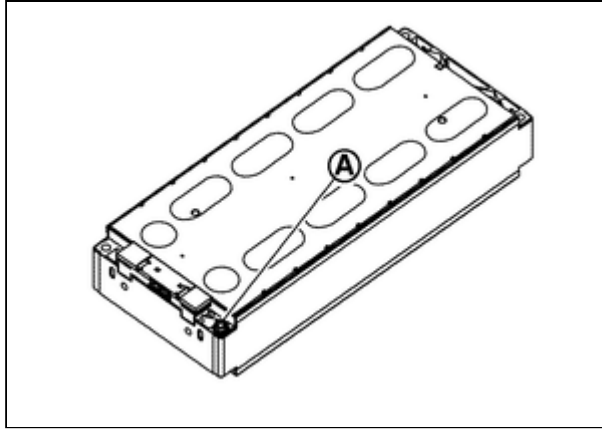
Install carabiners in the lifting holes on the opposite side (B) part of the terminal.



NOTE:

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

8 Install temporarily module mounting bolt (A) to terminal side by screwing several rotations.



RPR-001999658-29-000365596

WARNING:

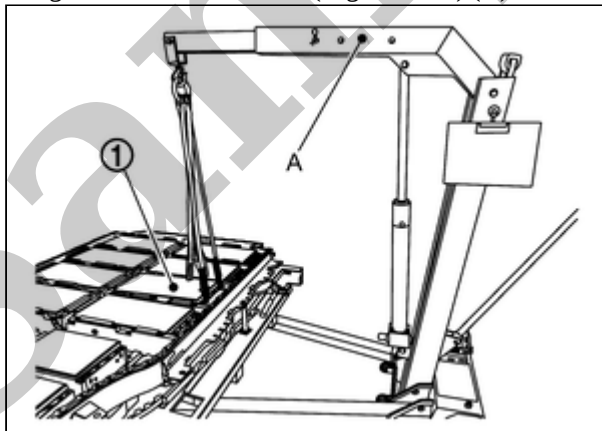
 To prevent electric shock, wear insulated protective gear.



NOTE:


- To prevent movement when removing the module.
- Leave a gap between the bolt head and the module.

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



RPR-001999658-35-000365597

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) (A) left and right to peel the adhesion of gap filler.

WARNING:

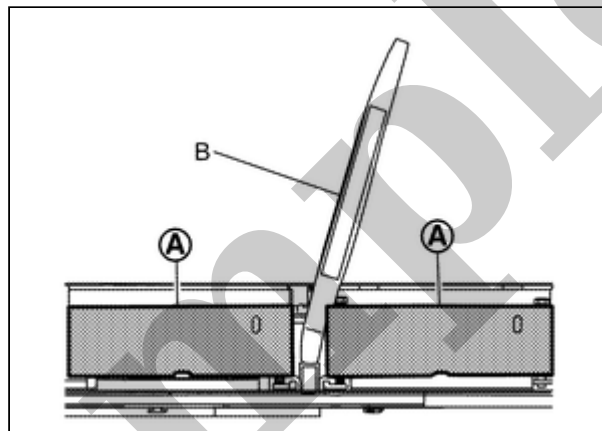
-  To prevent electric shock, wear insulated protective gear and use insulated tools.



-  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.

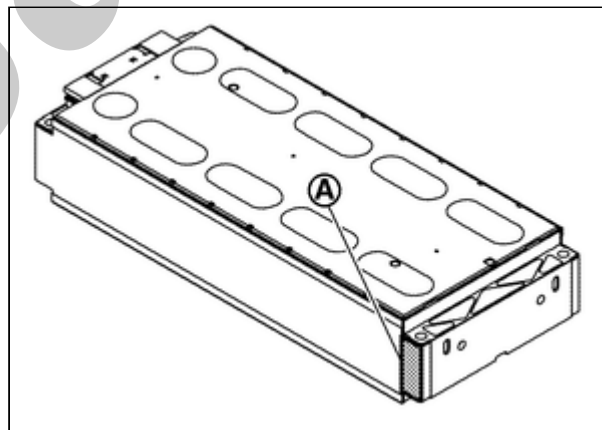
CAUTION:

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



RPR-001999658-21-000365609

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



RPR-001999658-38-000365600

- Never remove 2 modules or more to prevent battery pack from weight unbalance except replacement work of battery pack lower case.

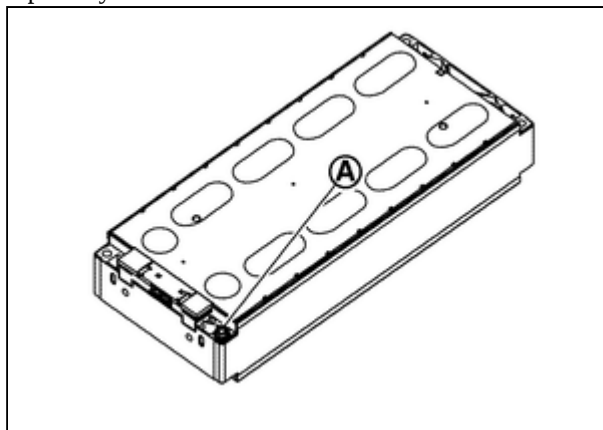


NOTE:

- Modules are in close contact with gap filler applied to battery pack lower case.
- 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.



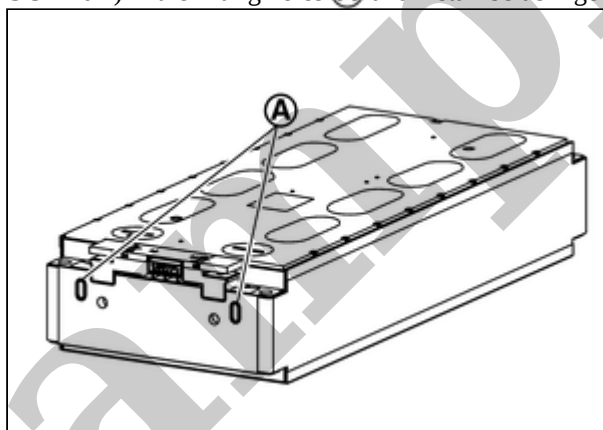
RPR-001999658-40-000365596



NOTE:

When module is lifted up, load the module on battery pack lower case by lowering mobile floor crane

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



RPR-001999658-41-000365601

WARNING:



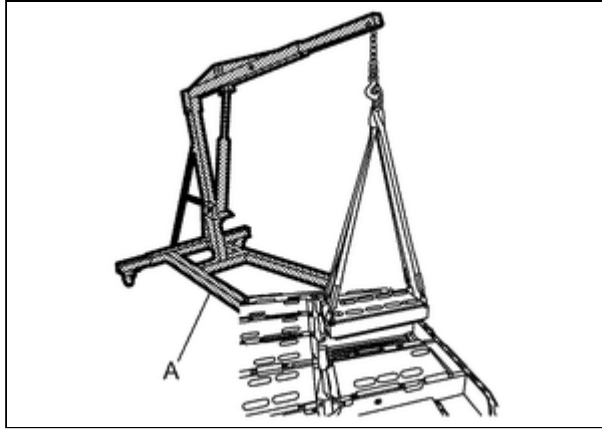
To prevent electric shock, wear insulated protective gear.



NOTE:

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

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



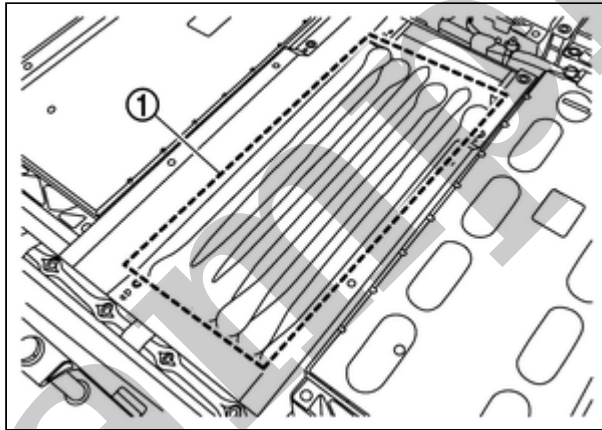
RPR-001999658-42-000365602

WARNING:

 To prevent electric shock, wear insulated protective gear.



14 Peel off gap filler ① from battery pack lower case.



RPR-001999658-44-000365604

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 lower case.


ASSEMBLY

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

DANGER:

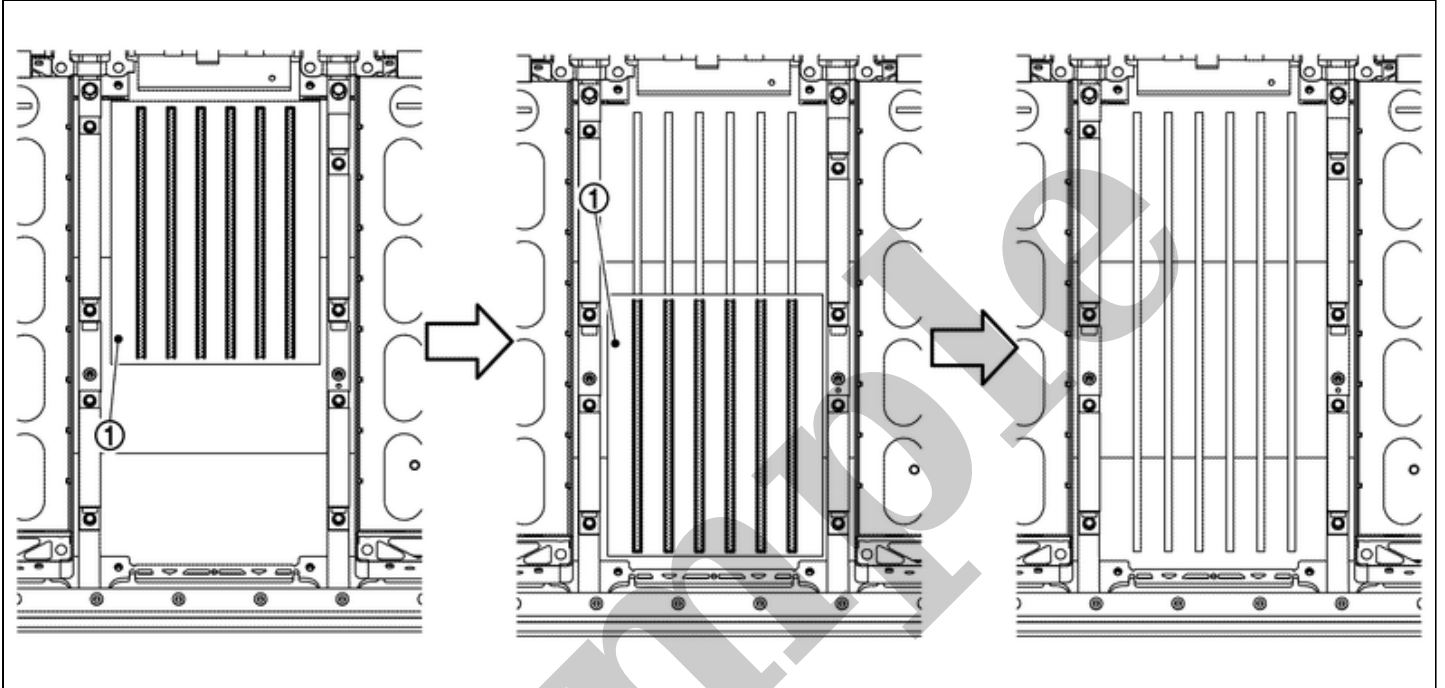
-  There is the danger of electric shock caused by contact with the terminals. Be sure to wear insulated protective gear and use insulated tools.



-  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 battery pack lower case inside for foreign material or peeled gap filler

2 Set gauge template sheet ① to battery pack lower case as shown in the figure and then write lines on battery pack lower case with oil-based pen.



RPR-001999658-37-000365610

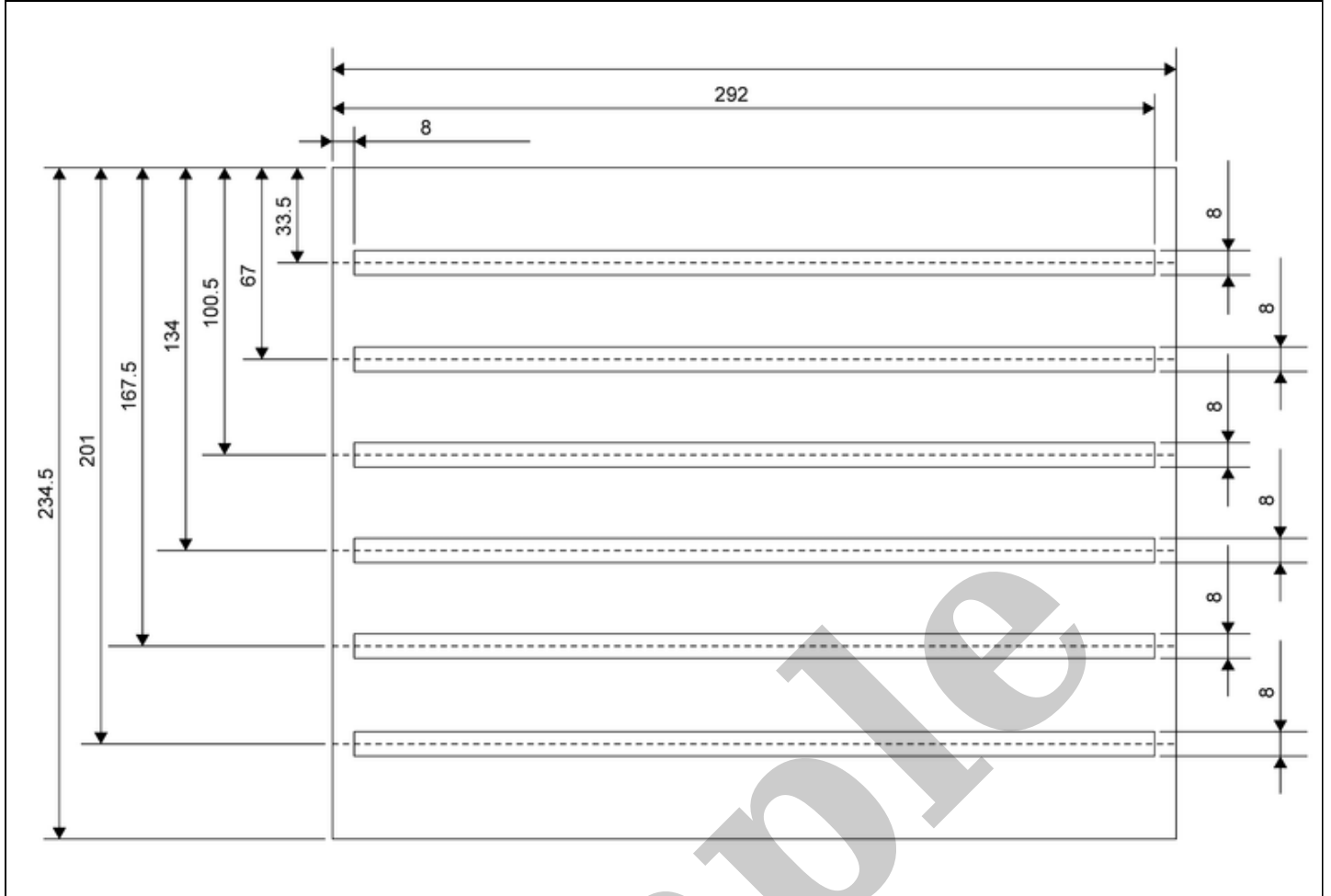
CAUTION:

- Use a pen that does not have a thickness like paint.
- Place gauge template sheet in close contact with module mounting bracket and center it.



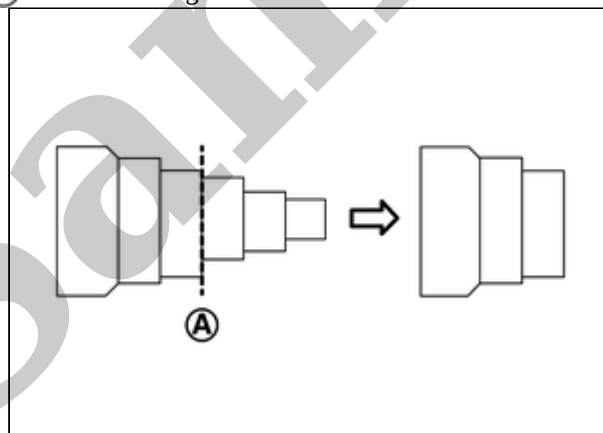
NOTE:

Size of gauge template sheet is shown in the figure.



RPR-001999658-20-000365611

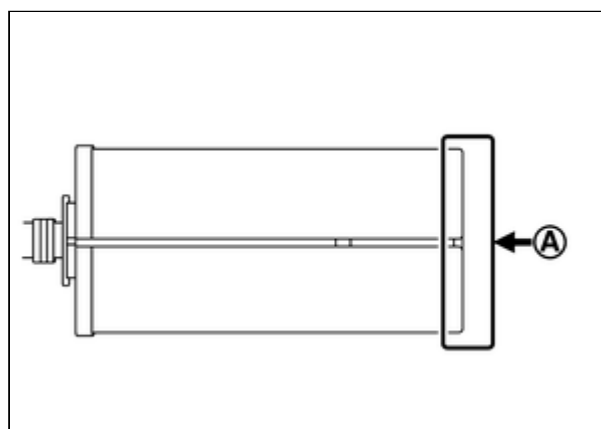
3 Cut the static mixer at the position (A) shown in the figure.



RPR-001999658-39-000369881

4 After taking out cartridge from packing box, check the followings;

- No evidence of liquid leakage in the packing box.
- No liquid leakage from bottom of cartridge (A).



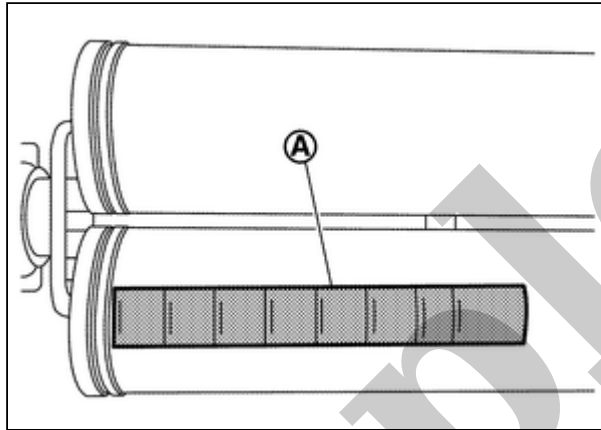
CAUTION:

- 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.

5 Set static mixer to cartridge.

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

7 Attach guideline label **A** to cartridge as shown in the figure.



RPR-001999658-32-000365612

CAUTION:

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

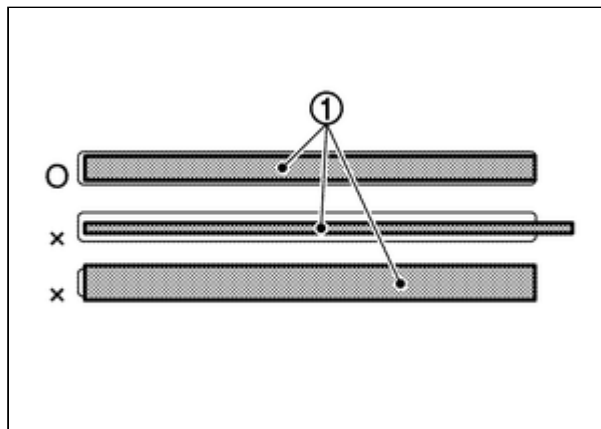
Guideline label

: B-84 ml

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

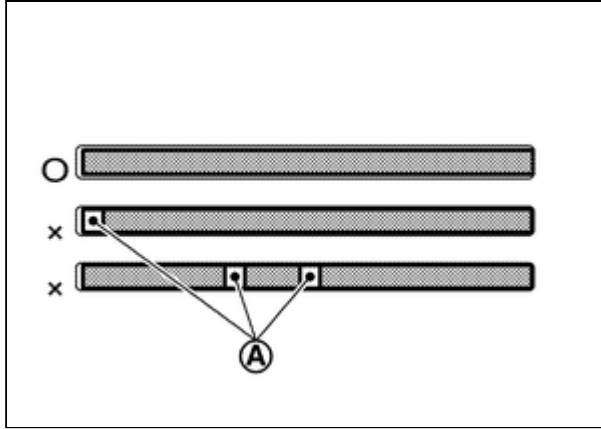
CAUTION:

- 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.



RPR-001999658-36-000369882

- 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)].



RPR-001999658-23-000377921

- 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.

9 Install guide pin [SST: KV99119600 (J-53348)] to battery pack lower case.

10 Install module in the reverse order of removal.



NOTE:

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