

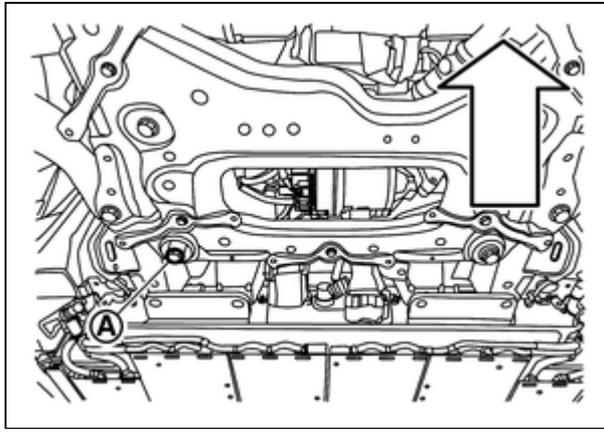
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2009 NISSAN Tiida/Versa OEM Service and Repair Workshop Manual

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24 Install right member stay (Front side) mounting bolt (A) while right member stay (Front side) is removed. Refer to [FRONT SUSPENSION MEMBER : Removal & Installation](#).

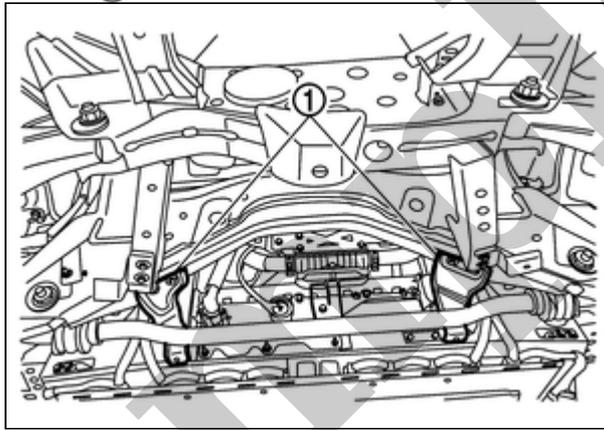


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: Vehicle

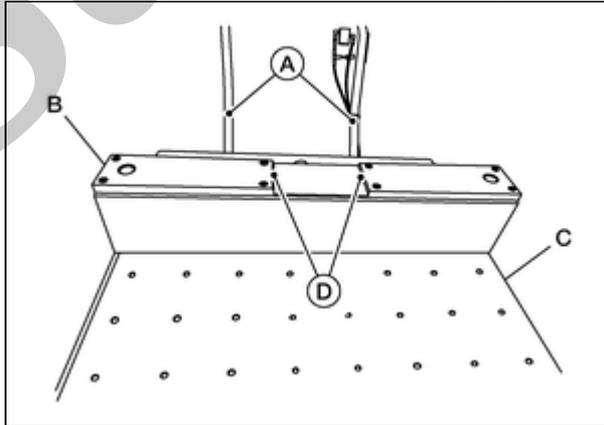
25 Remove right and left rear diffuser brackets (1).



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26 Remove stabilizer bar. Refer to [REAR STABILIZER : Removal & Installation](#).

27 Install a battery support fixture [B (SST: NI-53360)] and bolts to the lift table [C (SST: NI-53034)].



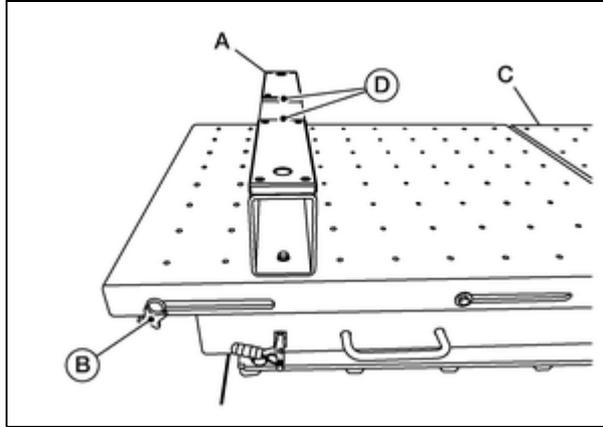
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NOTE:

Ensure a battery support fixture is in the correct position four bolt hole rows from the end of the lift table with the control handle (A). Align the positioning channel (D) with the Li-ion battery center line ridges.

28 Install a battery support fixture (A) and bolts to the lift table (C).



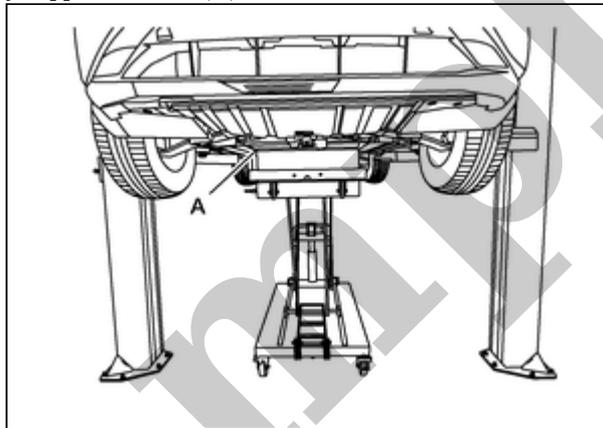
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NOTE:

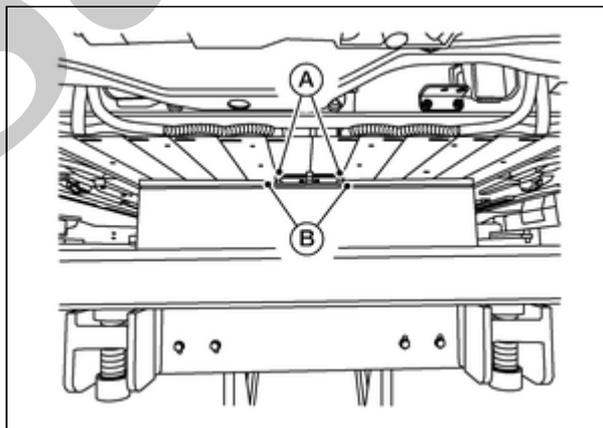
Ensure a battery support fixture is in the correct position three bolt hole rows from the end of the lift table with the length adjuster handle (B). Align the positioning channel (D) with the Li-ion center line ridges.

29 Position the lift table with the battery support fixtures (A) under the vehicle.



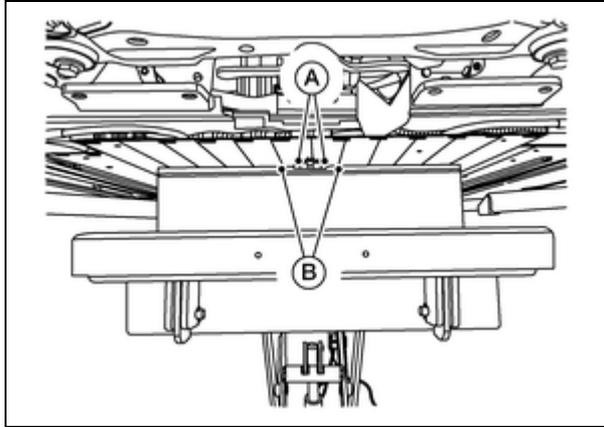
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30 Align the rearward positioning channel (B) with the rearward end of the Li-ion battery center line ridges (A) front-to-back and side-to-side.



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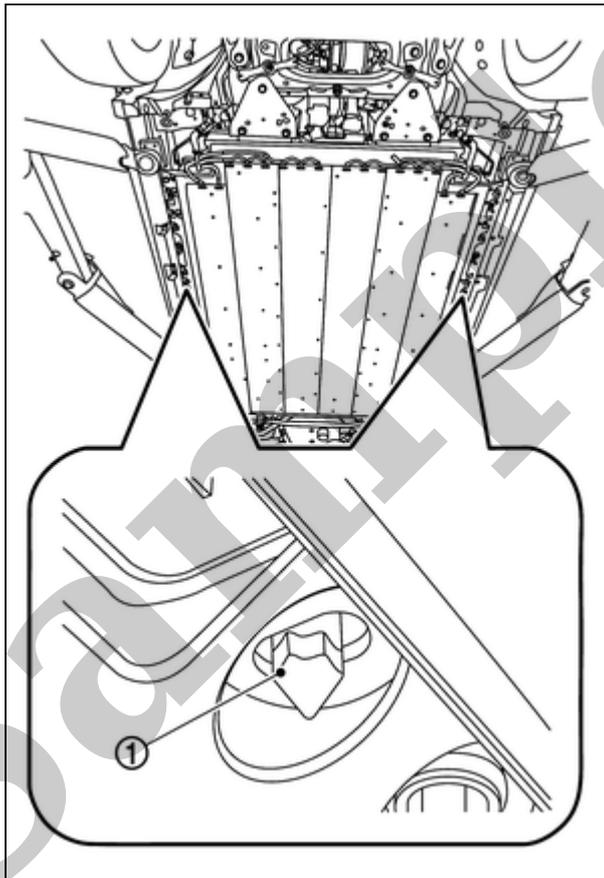
31 Align the positioning channels (B) with the the Li-ion battery center line ridges (A) front-to-back and side-to-side.



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32 Raise the lift table with the battery support fixtures and support the Li-ion battery.

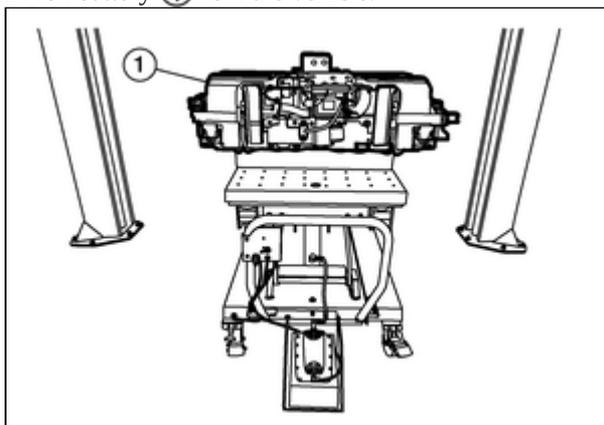
33 Remove the locate pins ①.



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34 Remove the bolts from the Li-ion battery.

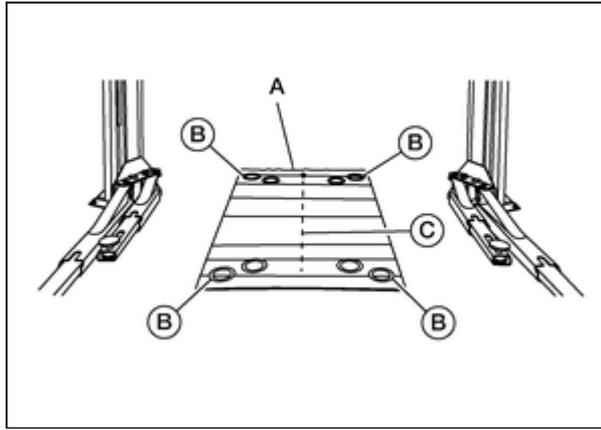
35 Lower the lift table and remove the Li-ion battery ① from the vehicle.



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NECESSARY REMOVAL WORK WHEN Li-ion BATTERY IS REPLACED

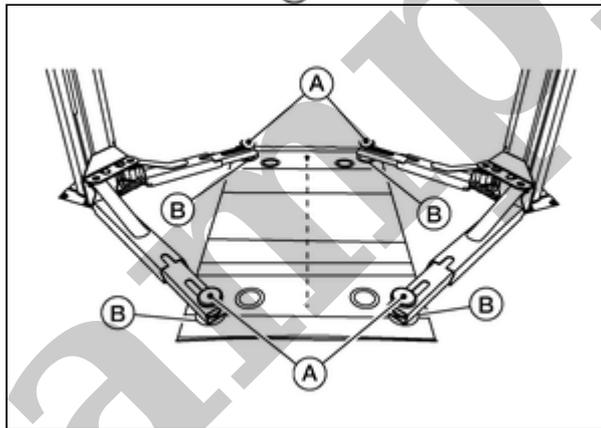
1 In a separate two post above ground hoist, position the lift arm alignment mat [A (SST: NI-53033-MAT)] on the floor with the center dashed line (C) between the hoist lift posts.



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	: Front of Li-ion battery
(B)	: Guide circle

2 Position the four hoist lift pads (A) in the center of each circle (B).



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3 Raise the hoist lift arms up to full height.

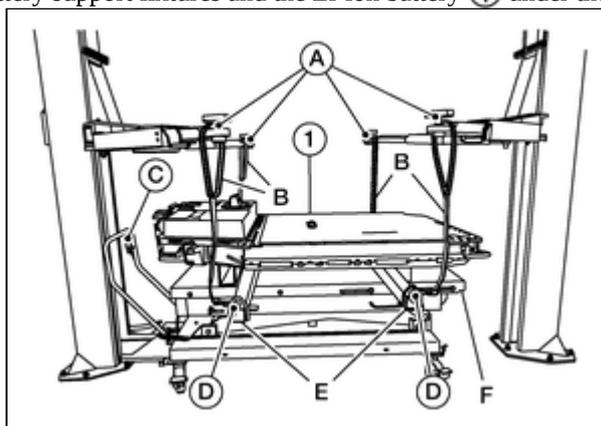


NOTE:

Do not move the hoist lift arms forward or rearward.

4 Remove the lift arm alignment mat.

5 Position the lift table (F) with the battery support fixtures and the Li-ion battery (1) under the hoist lift arms.



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CAUTION:

The lift table handle with the controls (C) must be close to one of the hoist lift posts. Do not allow the controls to contact the hoist lift post or damage to the controls will occur.

6 Position the lifting beams [E (SST: NI-53033-1)] under the Li-ion battery and in-between the battery support fixtures.

7 Install the lifting straps [B (SST: NI-53033-STRAP)] to the hoist arms.



NOTE:

Make sure a footpad (A) is installed to each hoist arm. The footpad captures the lifting strap.

8 Install the lifting straps to the lifting beams.



NOTE:

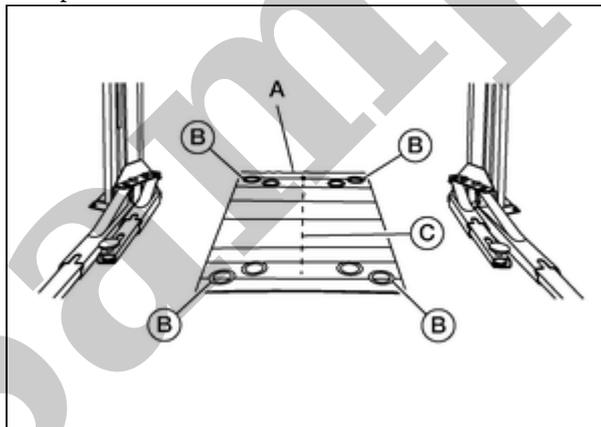
Make sure the open gate in each hook (D) points away from the Li-ion battery.

9 Remove the Li-ion battery from the battery support fixtures using the hoist lift.

10 Lower the Li-ion battery into an approved shipping container.

NECESSARY INSTALLATION WORK WHEN Li-ion BATTERY IS REPLACED

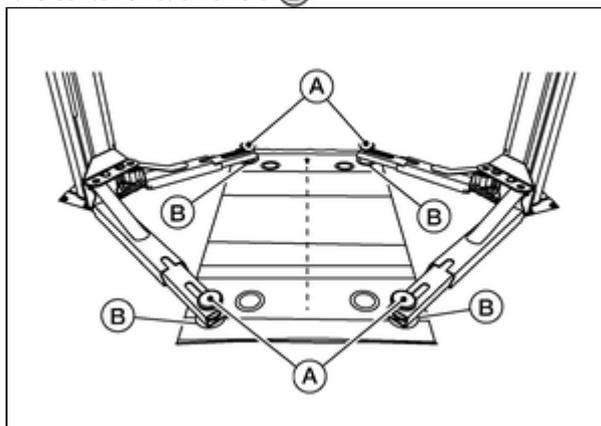
1 In a separate two post above ground hoist, position the lift arm alignment mat [A (SST: NI-53033-MAT)] on the floor with the center dashed line (C) between the hoist lift posts.



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	: Front of Li-ion battery
(B)	: Guide circle

2 Position the four hoist lift pads (A) in the center of each circle (B).



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3 Raise the hoist lift arms up to full height.



NOTE:

Do not move the hoist lift arms forward or rearward.

4 Remove the lift arm alignment mat.

5 Position the new Li-ion battery under the hoist lift arms.

6 Position the lifting beams (SST: NI-53033-1) under the new Li-ion battery.

7 Install the lifting straps (SST: NI-53033-STRAP) to the hoist arms.



NOTE:

Make sure a footpad is installed to each hoist arm. The footpad captures the lift strap.

8 Install the lifting straps to the lifting beams.

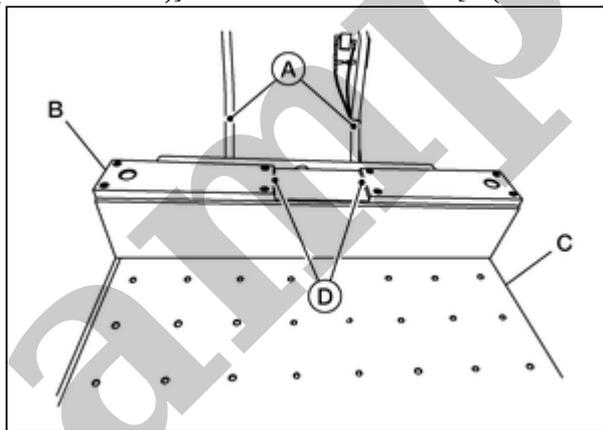


NOTE:

Make sure the open gate in each hook points away from the Li-ion battery.

9 Raise the new Li-ion battery using the hoist lift.

10 Install a battery support fixture [B (SST: NI-53360)] and bolts to the lift table [C (SST: NI-53034)].



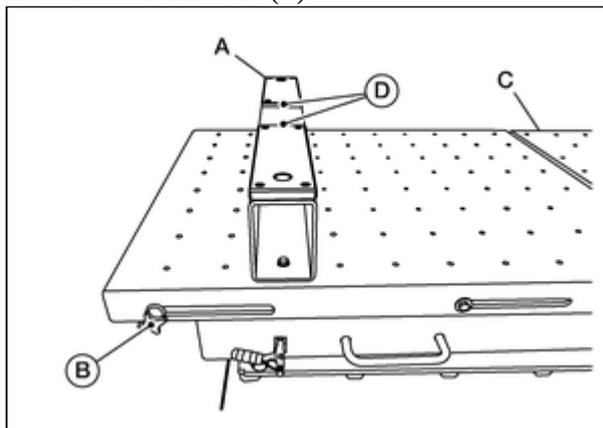
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NOTE:

Ensure a battery support fixture is in the correct position four bolt hole rows from the end of the lift table with the control handle (A). Align the positioning channel (D) with the Li-ion battery center line ridges.

11 Install a battery support fixture (A) and bolts to the lift table (C).



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**NOTE:**

Ensure a battery support fixture is in the correct position three bolt hole rows from the end of the lift table with the length adjuster handle **B**. Align the positioning channel **D** with the Li-ion center line ridges.

12 Position the lift table with the battery support fixtures under the new Li-ion battery. Align the rearward positioning channel with the rearward end of the Li-ion battery center line ridges. Align the forward positioning channel with the forward end of the Li-ion battery center line ridges. Adjust the length of the lift table to align the forward battery support fixture with the forward end of the Li-ion battery center line ridges.

13 Lower the hoist lift arms to lower the new Li-ion battery onto the lift table with the battery support fixtures.

14 Remove the lifting straps and the lifting beams.

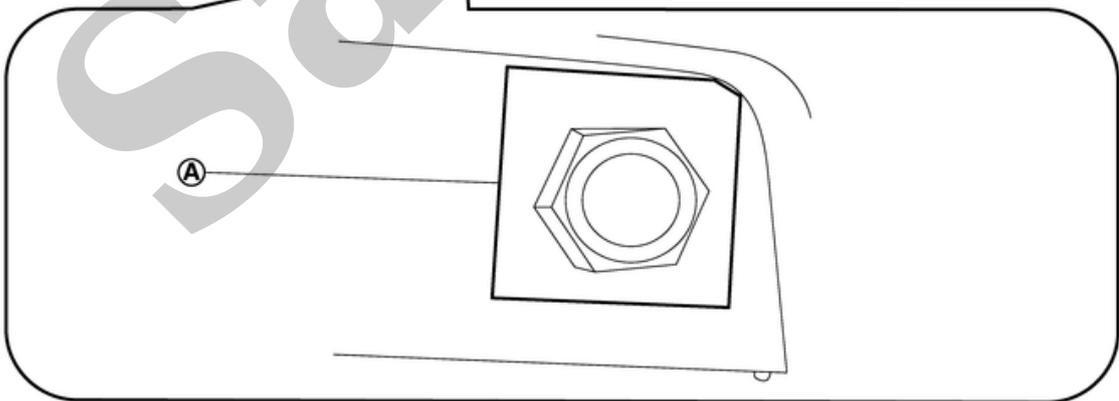
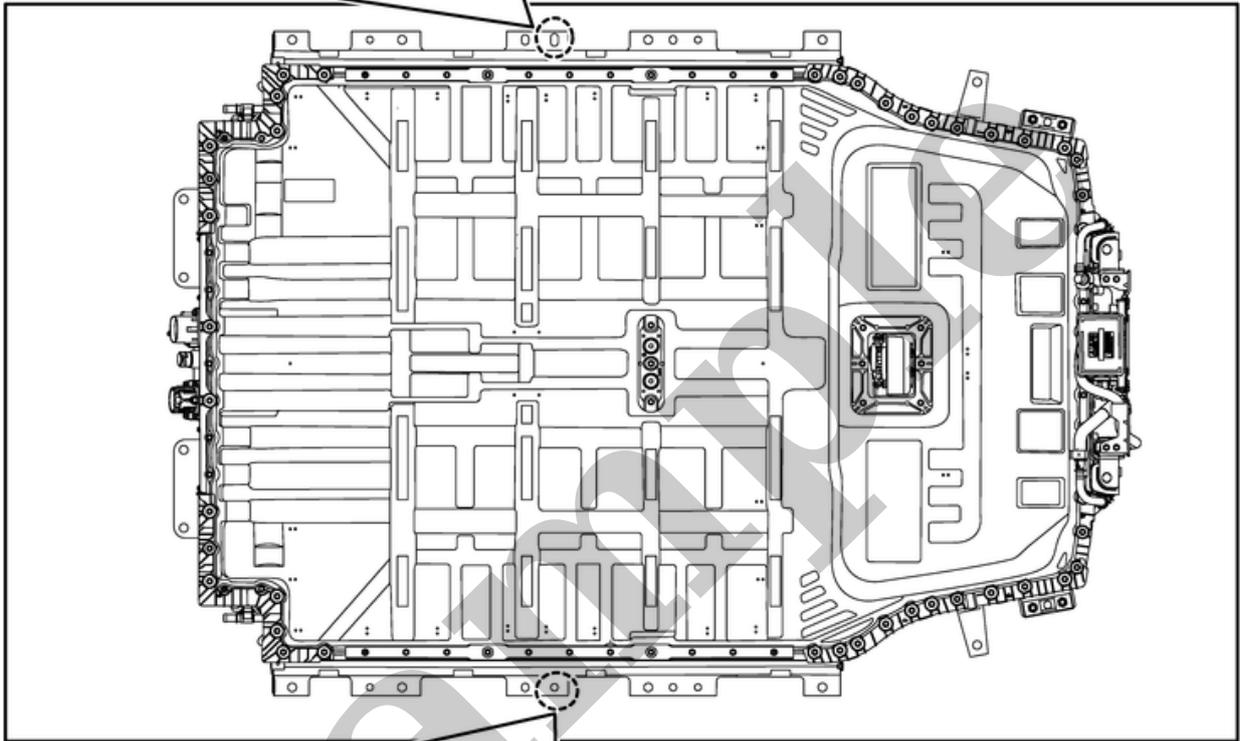
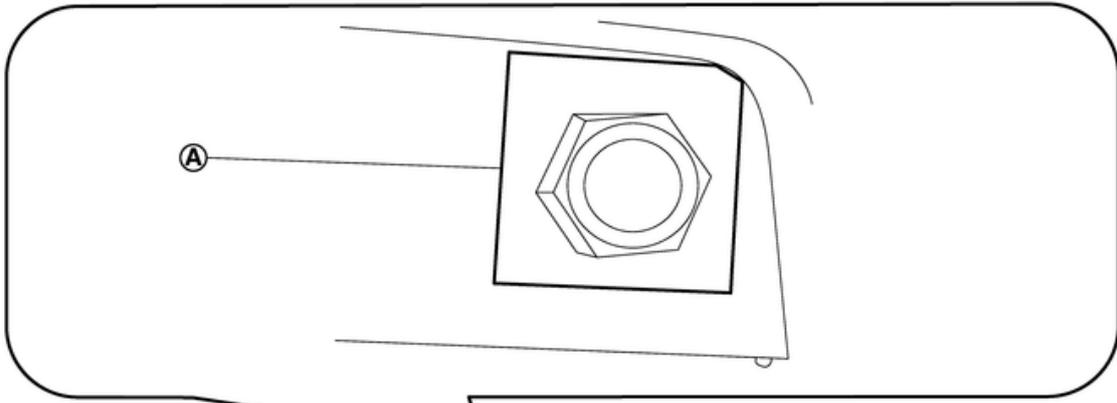
Necessary work when Li-ion battery is replaced

1 Remove cover and frame of battery palette.

2 When changing Li-ion battery into new one, perform the following procedure.

1. Write date of replacement in EV battery tracking identification sticker packed with new spare parts.
2. Separate EV battery tracking identification sticker into two pieces and stick them to old Li-ion battery body that was replaced and "Li-ion battery replacement history record" respectively.
3. Fill the required items out " Li-Ion battery replacement history record".

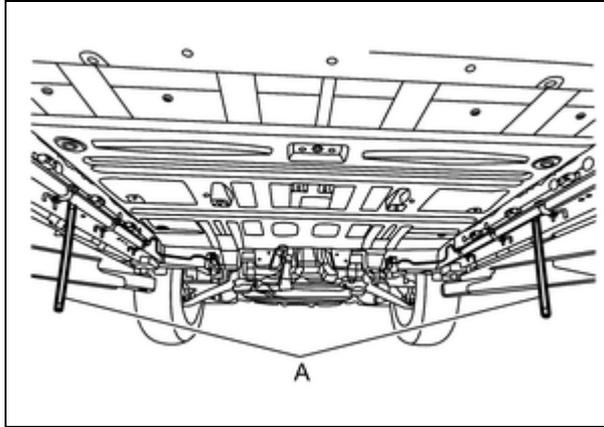
3 Remove cover **A** for battery palette locate pin.



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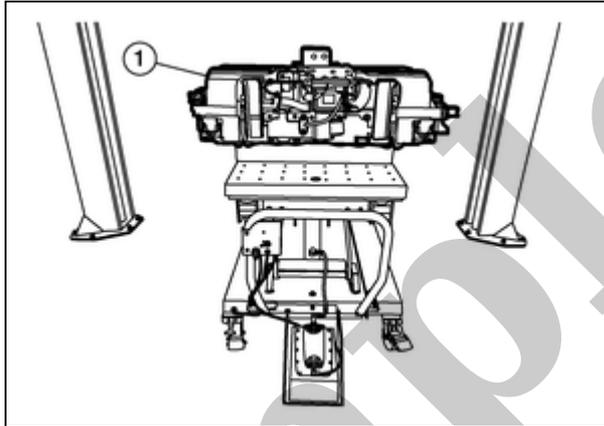
INSTALLATION

1 Install the LiB assembly installation guide pins [SST: KV99119500 (NI-53347)] (A) to the locate pin holes in the vehicle body.



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2 Position the lift table (SST: NI-53034) with the battery support fixtures (SST: NI-53359) and the Li-ion battery ① under the vehicle body.



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3 Align LiB assembly installation guide pins [SST: KV99119500 (NI-53347)] (A) with holes ② of Li-ion battery.

WARNING:

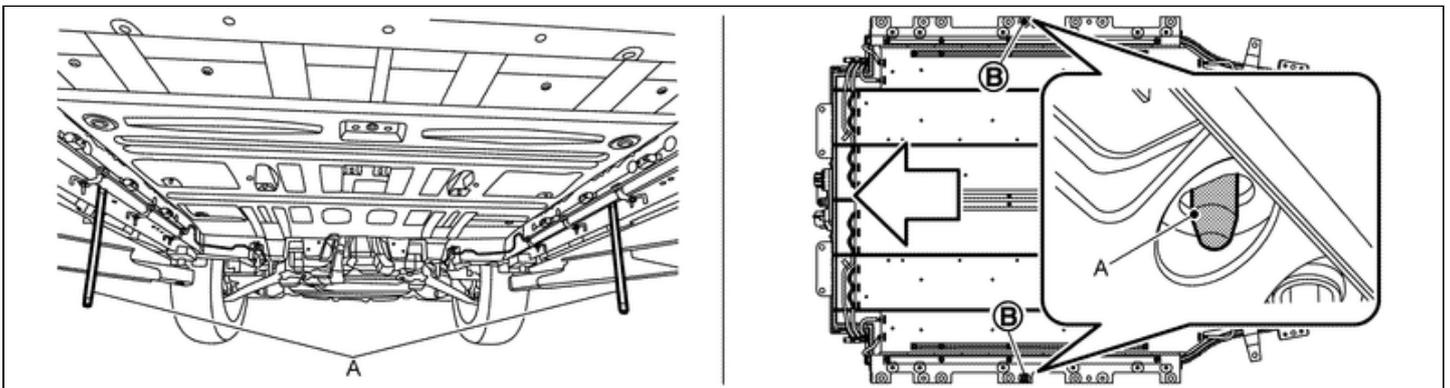


To prevent electric shock, wear insulated protective gear.



NOTE:

Adjusting the position of the lift table requires two assistants.



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: Vehicle front