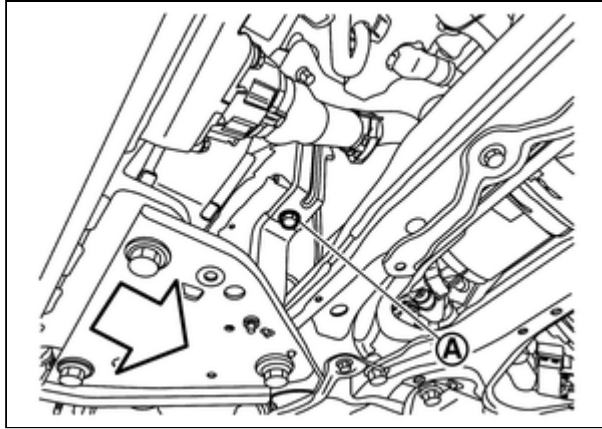


# Your Ultimate Source for OEM Repair Manuals

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 Sentra SE-R OEM Service and Repair Workshop Manual

[Go to manual page](#)

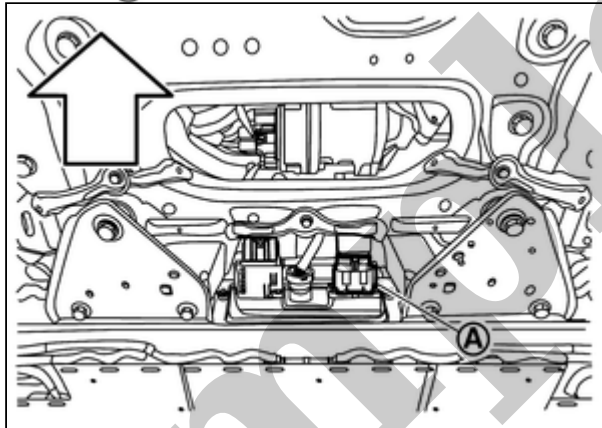


RPR-001999661-04-000346876



: Vehicle

10 Remove high voltage harness (FR) connector (A).







RPR-001999661-05-000346877

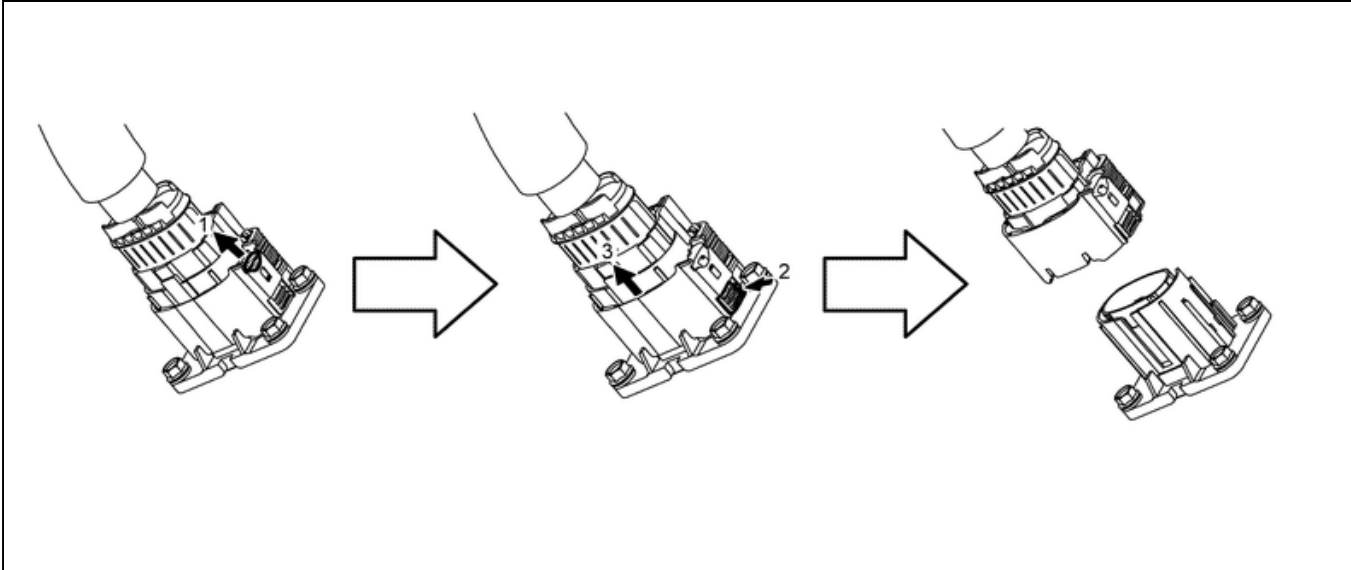


: Vehicle

**DANGER:**

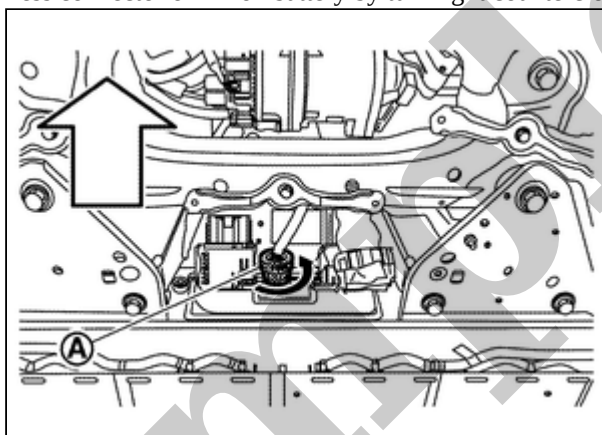
-  There is the danger of electric shock caused by contact with the terminals. Be sure to wear insulated protective gear.  
 
-  Because there is the danger of electric shock, immediately insulate disconnected high voltage connectors and terminals with insulating tape.

- Disconnect high voltage harness (FR) connector according to the following procedure.



RPR-001999661-06-000346878

11 Remove vehicle communication harness connector of Li-ion battery by turning it counterclockwise.



RPR-001999661-07-000346882



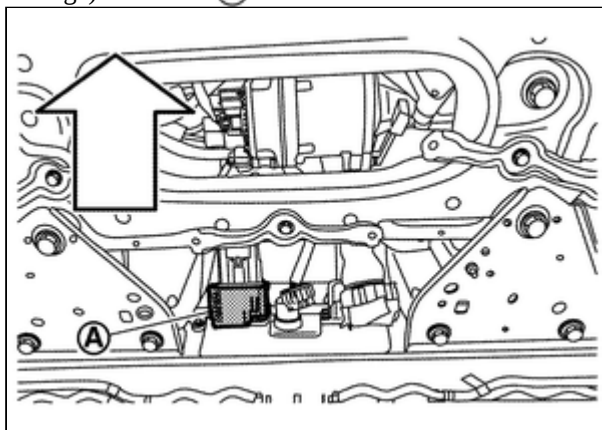
**WARNING:**



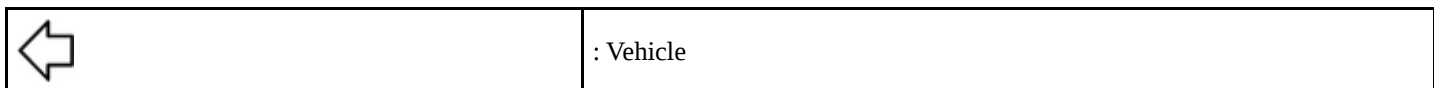
Be sure to wear insulated protective gear to prevent electric shock.



12 Remove high voltage harness (quick charge) connector (A).



RPR-001999661-08-000346883



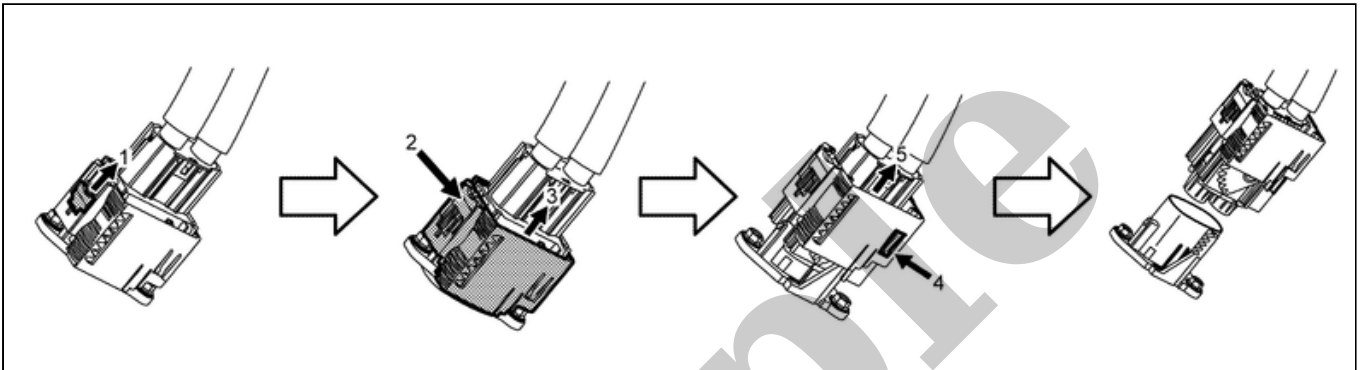
**DANGER:**

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



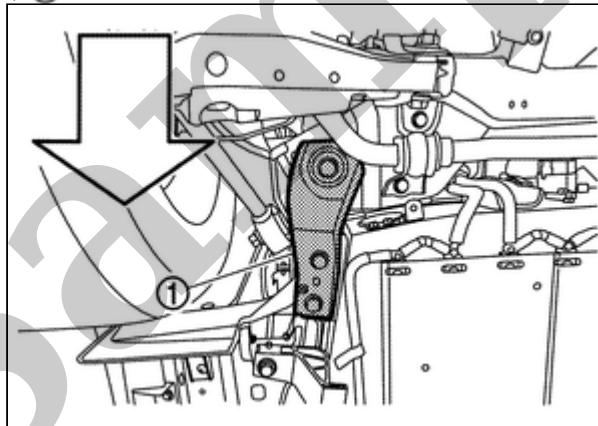
-  Because there is the danger of electric shock, immediately insulate disconnected high voltage connectors and terminals with insulating tape.

- Remove high voltage harness (quick charge) connector by the following procedure.



RPR-001999661-09-000346880

- 13 Remove left member stay (Rear side) ①. Refer to [REAR SUSPENSION MEMBER : Removal & Installation](#).



RPR-001999661-11-000346884



: Vehicle

**WARNING:**

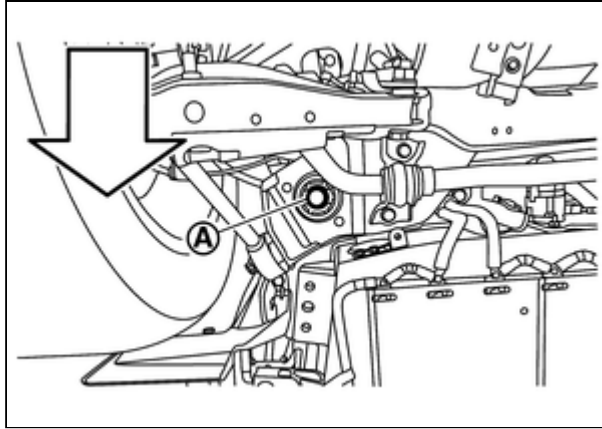
-  Be sure to wear insulated protective gear to prevent electric shock.



**CAUTION:**

Never remove mounting bolts of left member stay (Rear side) and right member stay (Rear side) at the same time together.

- 14 Install left member stay (Rear side) mounting bolt while left member stay (Rear side) is removed. Refer to [REAR SUSPENSION MEMBER : Removal & Installation](#).

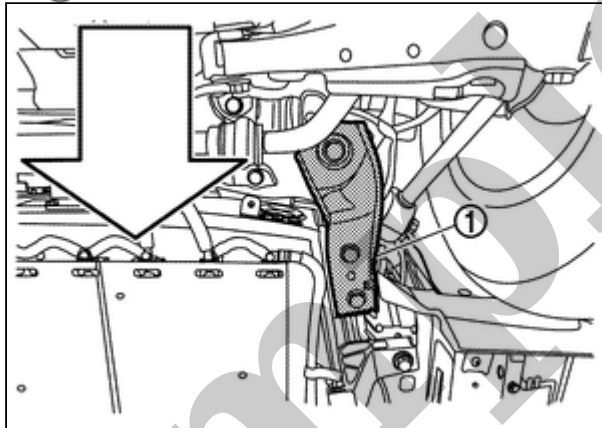


RPR-001999661-12-000346885



: Vehicle

15 Remove right member stay (Rear side) ①. Refer to [REAR SUSPENSION MEMBER : Removal & Installation](#).



RPR-001999661-15-000346886



: Vehicle

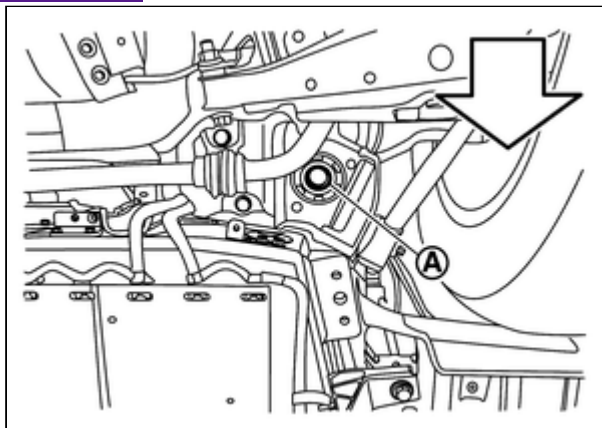
**WARNING:**



Be sure to wear insulated protective gear to prevent electric shock.



16 Install right member stay (Rear side) mounting bolt ① while right member stay (Rear side) is removed. Refer to [REAR SUSPENSION MEMBER : Removal & Installation](#).

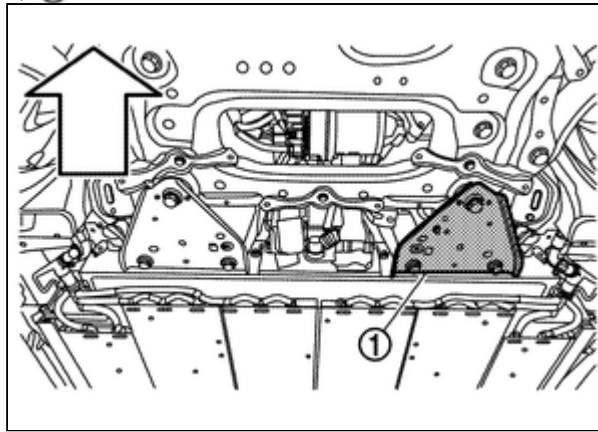


RPR-001999661-24-000346887



: Vehicle

17 Remove left member stay (Front side) ①. Refer to [FRONT SUSPENSION MEMBER : Removal & Installation](#).



RPR-001999661-25-000346888



: Vehicle

**WARNING:**



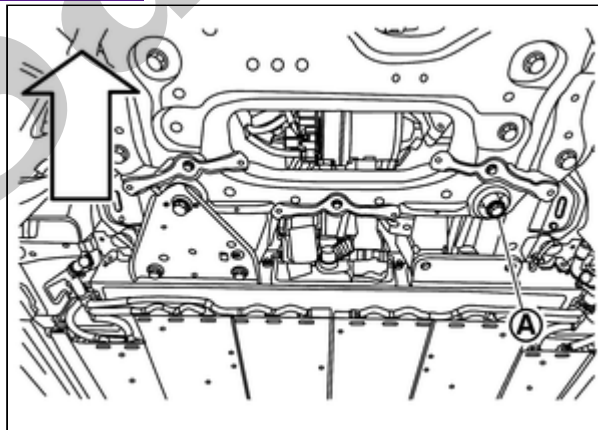
Be sure to wear insulated protective gear to prevent electric shock.



**CAUTION:**

Never remove mounting bolts of left member stay (Front side) and right member stay (Front side) at the same time together.

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

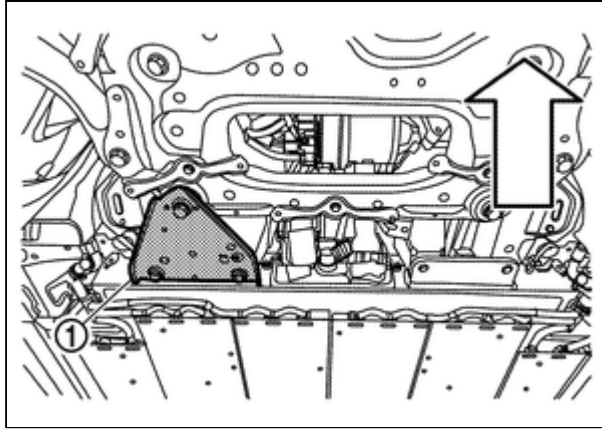


RPR-001999661-27-000346889



: Vehicle

19 Remove right member stay (Front side) ①. Refer to [FRONT SUSPENSION MEMBER : Removal & Installation](#).



RPR-001999661-28-000346890



: Vehicle

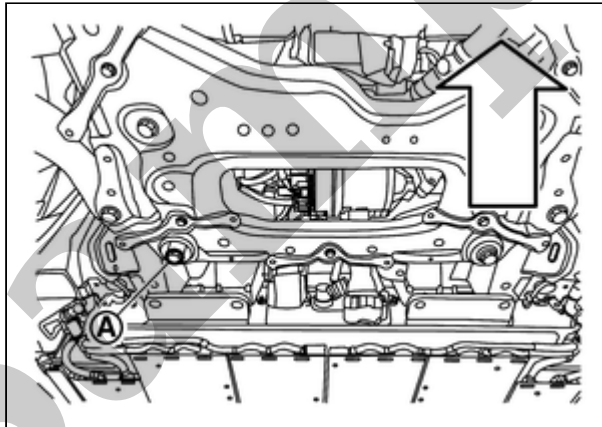
**WARNING:**



Be sure to wear insulated protective gear to prevent electric shock.



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

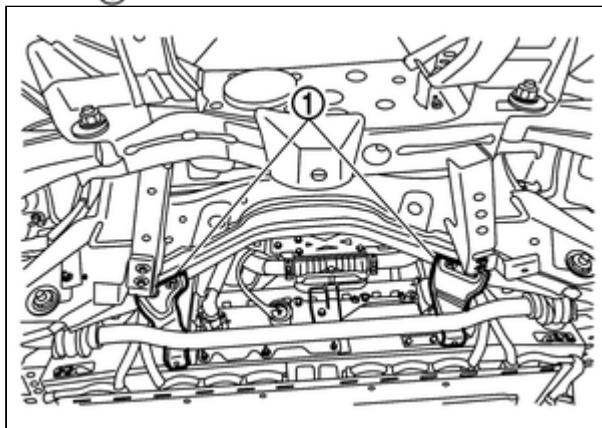


RPR-001999661-34-000346891



: Vehicle

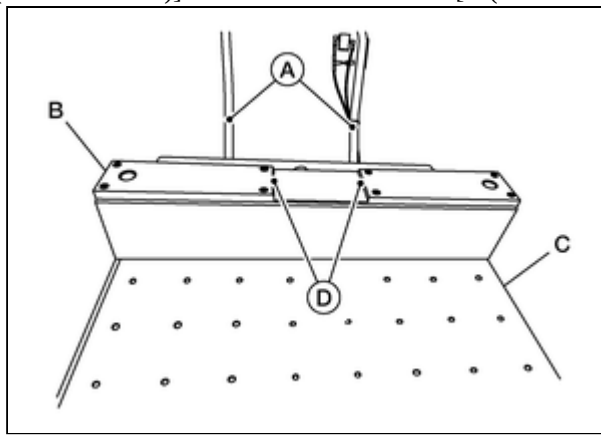
21 Remove right and left rear diffuser brackets (1).



RPR-001999661-35-000346892

22 Remove stabilizer clamp and move stabilizer bar. Refer to [REAR STABILIZER : Removal & Installation](#).

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



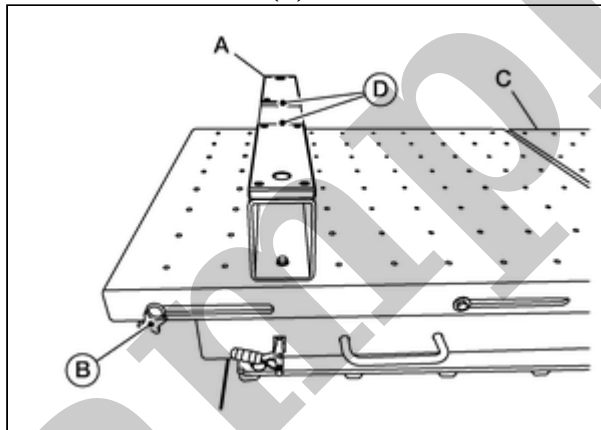
RPR-001999661-17-CIA0042ZZ



**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.

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



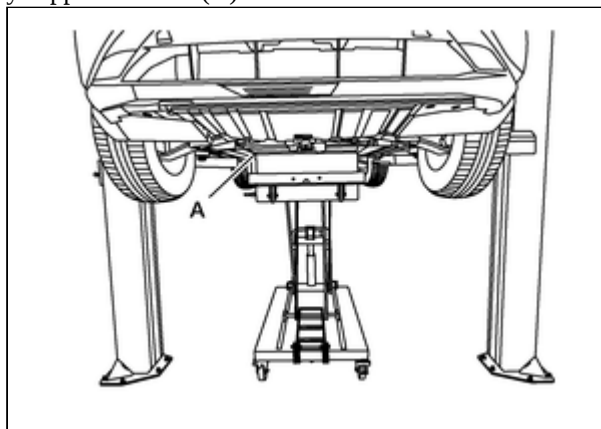
RPR-001999661-33-CIA0056ZZ



**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.

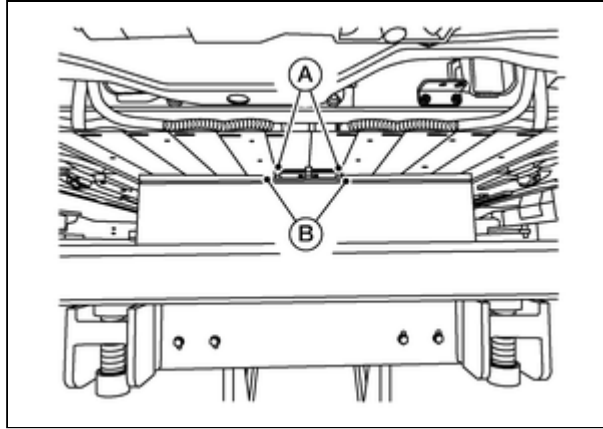
25 Position the lift table with the battery support fixtures (A) under the vehicle.



RPR-001999661-19-CIA0044ZZ

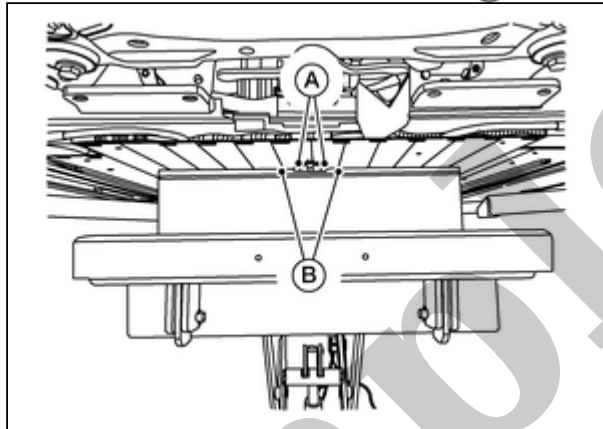
26 Align the rearward positioning channel (B) with the rearward end of the Li-ion battery center line ridges (A) front-to-back and side-to-side.





RPR-001999661-20-CIA0045ZZ

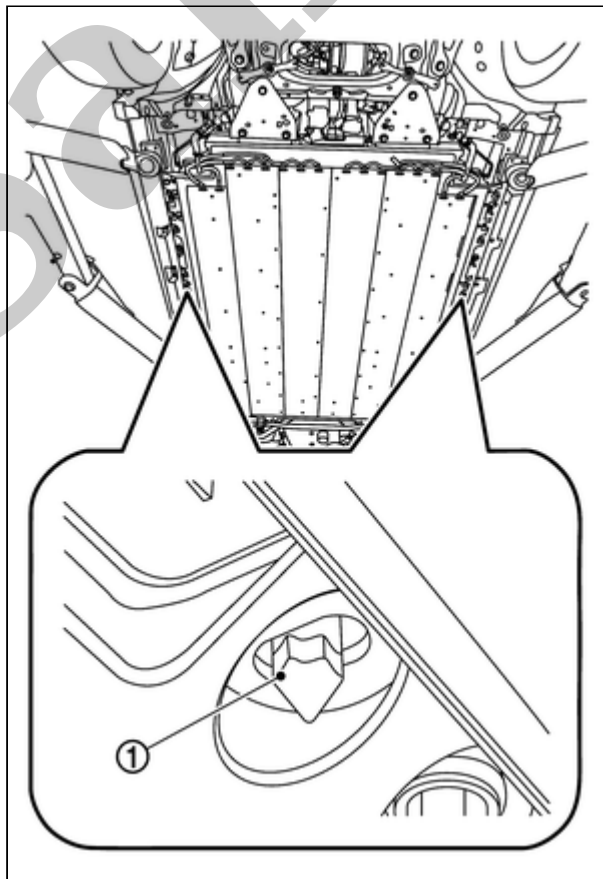
27 Align the positioning channels **B** with the the Li-ion battery center line ridges **A** front-to-back and side-to-side.



RPR-001999661-21-CIA0046ZZ

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

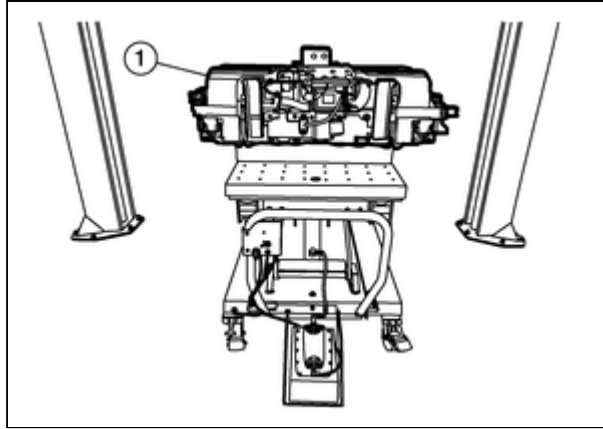
29 Remove the locate pins **1**.



RPR-001999661-22-000346904

30 Remove the bolts from the Li-ion battery.

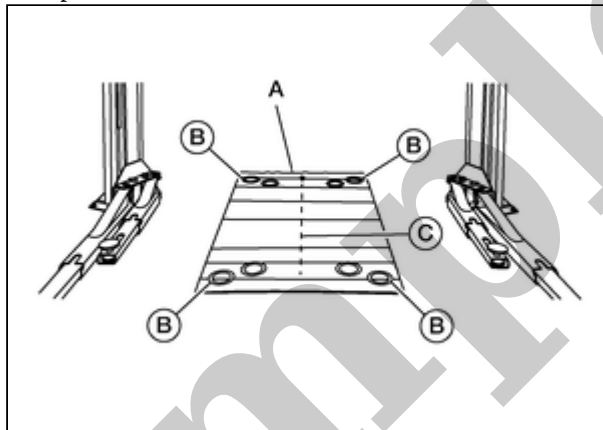
31 Lower the lift table and remove the Li-ion battery **1** from the vehicle.



RPR-001999661-23-CIA0048ZZ

## NECESSARY REMOVAL WORK WHEN Li-ion BATTERY IS REPLACED

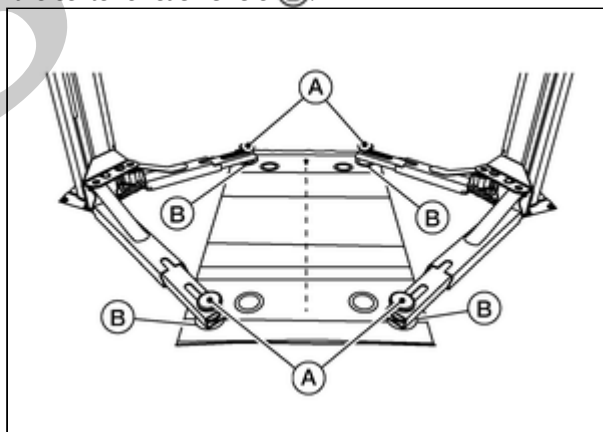
1 In a separate two post above ground hoist, position the lift arm alignment mat [A (SST: NI-53033-MAT)] on the floor with the center dashed line (C) between the hoist lift posts.



RPR-001999661-37-CIA0053ZZ

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

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



RPR-001999661-18-CIA0054ZZ

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.