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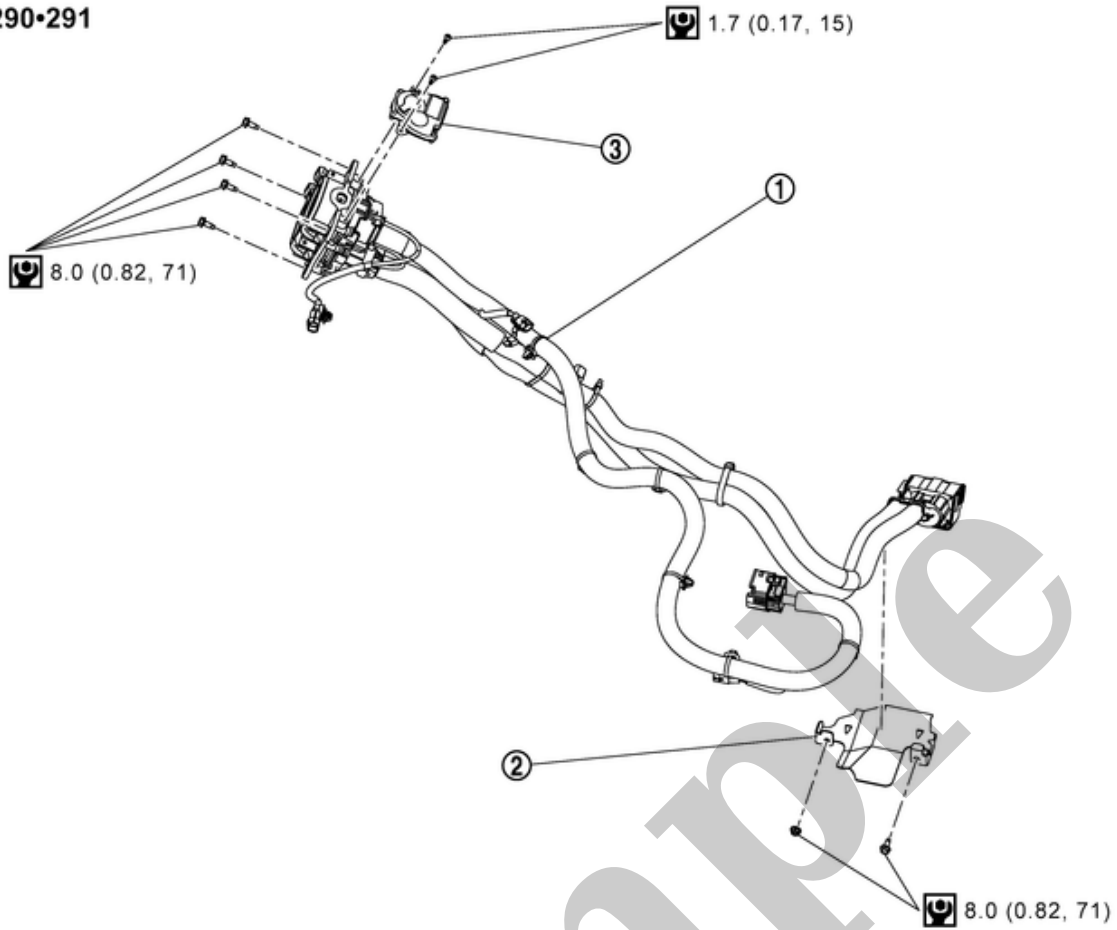
2015 Nissan 370Z Service and Repair Manual

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CHARGE CONNECTOR LOCK ACTUATOR : Exploded View

RDE-002006049

SEC. 290•291



RDE-002006049-01-000346817

①	Charge port	②	Bracket	③	Charge connector lock actuator
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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 disconnect the high voltage circuits before performing inspection or maintenance of high voltage system harnesses and parts.
- The removed service plug must always be carried in a pocket of the responsible worker or placed in the tool box during the procedure to prevent the plug from being connected by mistake.
- Be sure to wear insulating protective equipment consisting of glove, shoes, face shield and glasses before beginning work on the high voltage system.
- Never allow workers other than the responsible person to touch the vehicle containing high voltage parts. To keep others from touching the high voltage parts, these parts must be covered with an insulating sheet except when using them.
- Refer to [HIGH VOLTAGE PRECAUTIONS : Precautions.](#)

CAUTION:

Never bring the vehicle into the READY status with the service plug removed unless otherwise instructed in the Service Manual. A malfunction may occur if this is not observed.

REMOVAL

WARNING:

Disconnect high voltage. Refer to [HOW TO DISCONNECT HIGH VOLTAGE : Precautions..](#)

1 Check voltage in high voltage circuit. (Check that condenser are discharged.)

DANGER:

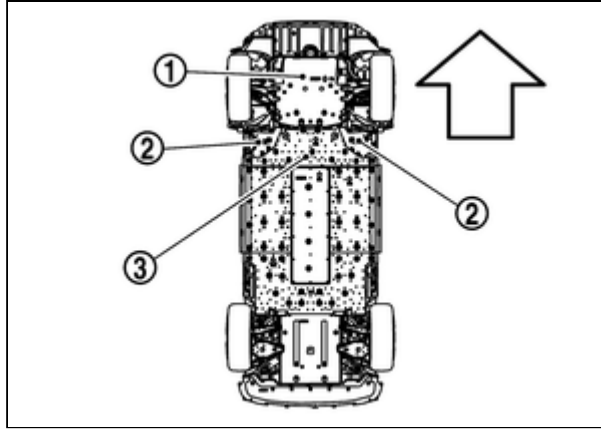
Touching high voltage components without using the appropriate protective equipment will cause electrocution.



2 Discharge the refrigerant gas. Refer to [Recycle Refrigerant.](#)

3 Remove the Li-ion battery undercover lid (front RH) and the Li-ion battery undercover lid (front LH).

4 Lift up the vehicle to remove the front undercover rear ①, the Li-ion battery undercovers front (RH, LH) ② and the Li-ion battery under cover front ③. Refer to [Removal & Installation](#) and [Exploded View](#) (66 kWh LI-ION BATTERY) or [Exploded View](#) (91kWh LI-ION BATTERY).

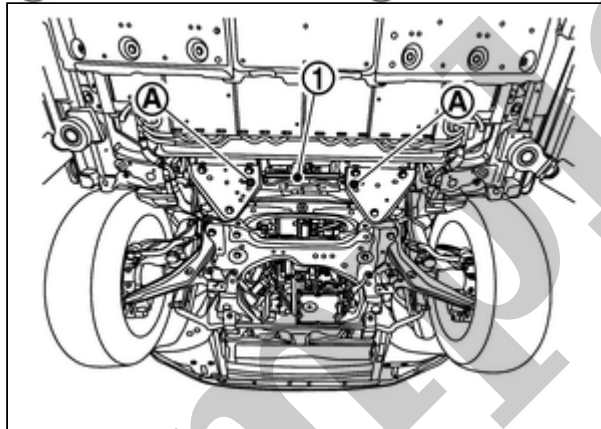


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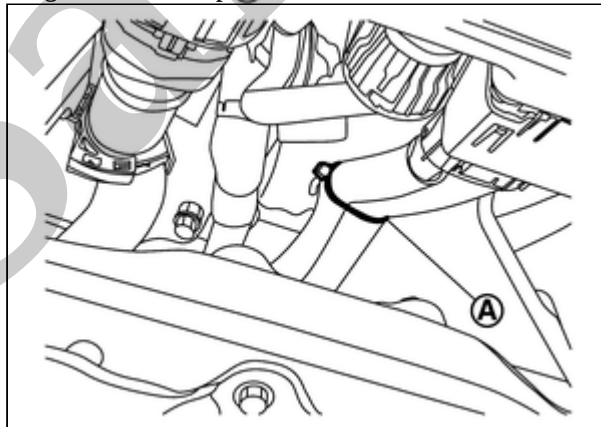
: Vehicle front

5 Remove the lack mounting fixing bolt (A) to remove the lack mounting (1).



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6 Remove the quick charge port high voltage harness clamp (A).



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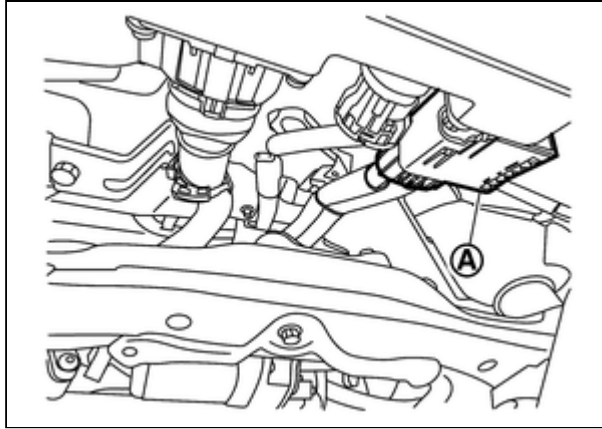
DANGER:



Touching high voltage components without using the appropriate protective equipment will cause electrocution.



7 Disconnect the quick charge port high voltage harness connector (A) from the Li-ion battery.




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DANGER:

-  Touching high voltage components without using the appropriate protective equipment will cause electrocution.

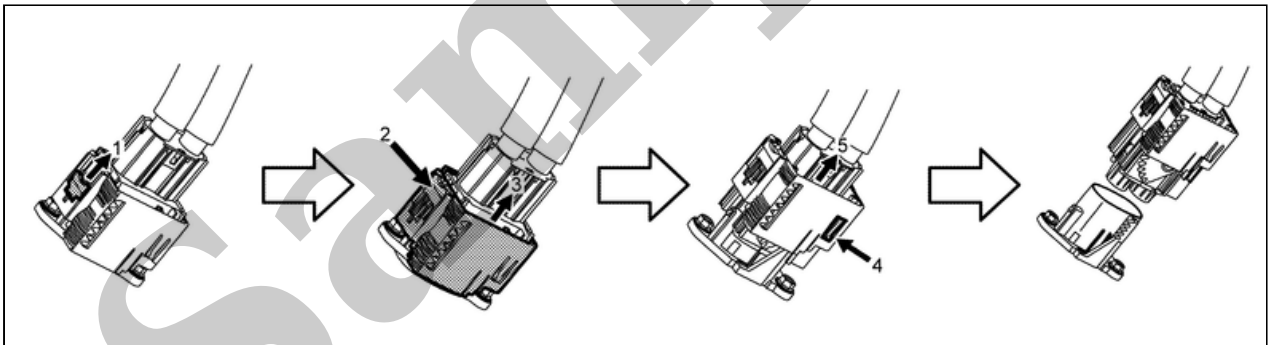


-  Immediately insulate disconnected quick charge port high voltage harness connector and terminals with insulating tape, since there is the risk of electric shock.



NOTE:

Disconnect the quick charge high voltage harness connector as per the following steps:



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8 Remove the high voltage power delivery ASSY. Refer to [HIGH VOLTAGE POWER DELIVERY ASSEMBLY : Removal & Installation](#).

9 Remove the A/C unit assembly. Refer to [Removal & Installation](#).

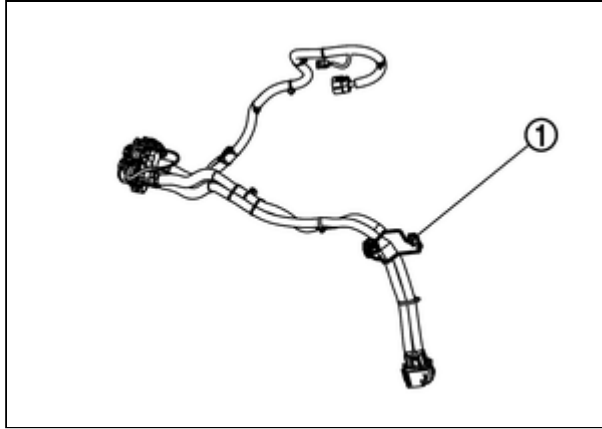
10 Remove the bracket ①.

DANGER:



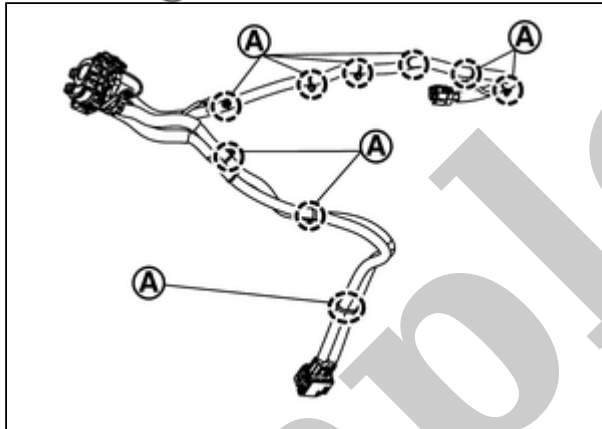
Touching high voltage components without using the appropriate protective equipment will cause electrocution.





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11 Remove the charge port high voltage harness clip (A).



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DANGER:



Touching high voltage components without using the appropriate protective equipment will cause electrocution.



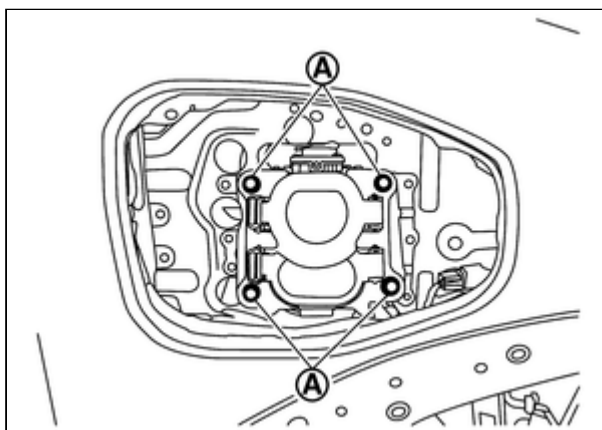
12 Remove the charge port lid. Refer to [Removal & Installation](#).

13 Remove the charge port mounting bolt (A).

DANGER:

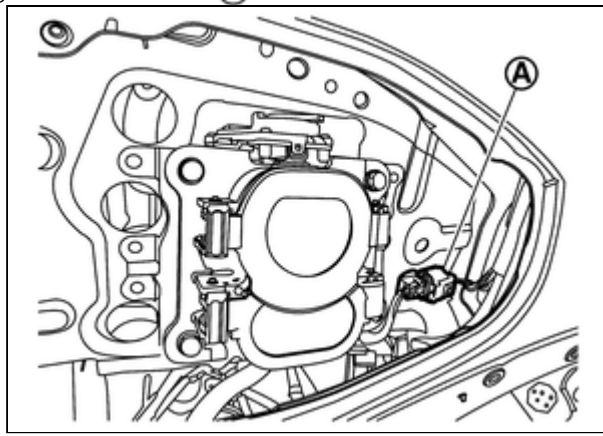


Touching high voltage components without using the appropriate protective equipment will cause electrocution.



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14 Remove the charge port high voltage harness connector (A).



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15 Remove the charge port high voltage harness from the vehicle.

DANGER:



Touching high voltage components without using the appropriate protective equipment will cause electrocution.



16 Remove the charge port high voltage harness from the charge connector lock actuator.

DANGER:



Touching high voltage components without using the appropriate protective equipment will cause electrocution.



INSTALLATION

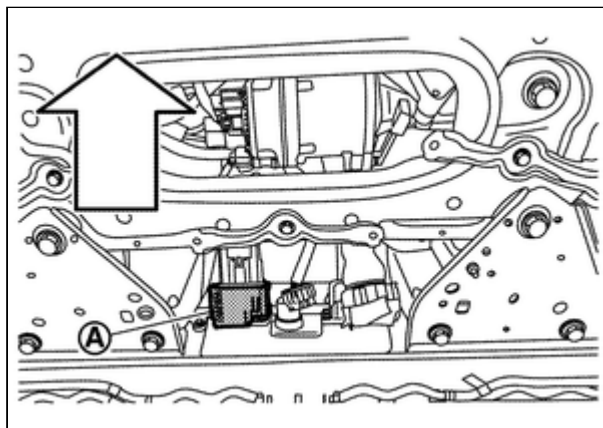
Note the following and install in the reverse order of removal while be careful below oint.

1 Install the quick charge port high voltage harness connector (A).

DANGER:



Touching high voltage components without using the appropriate protective equipment will cause electrocution.

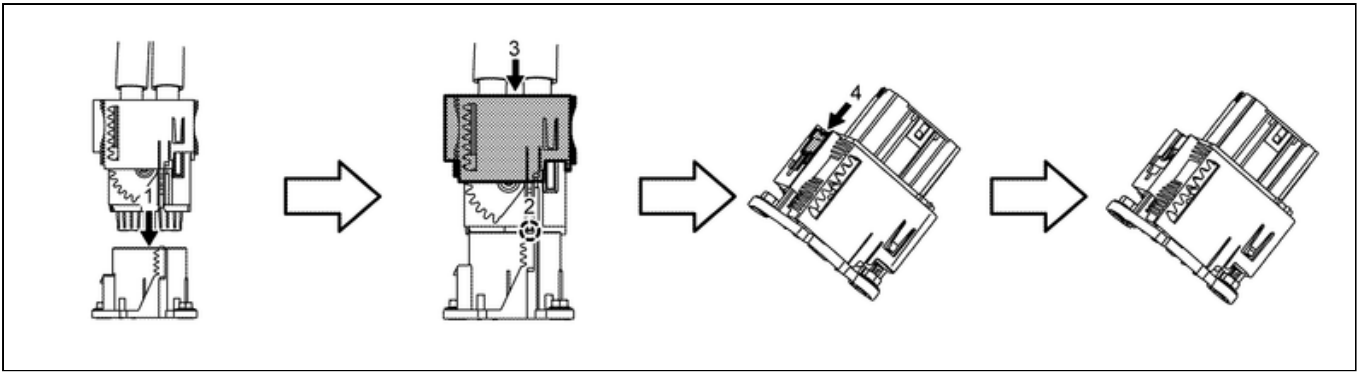


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: Vehicle front

- Install the quick charge port high voltage harness connector as per the following steps:

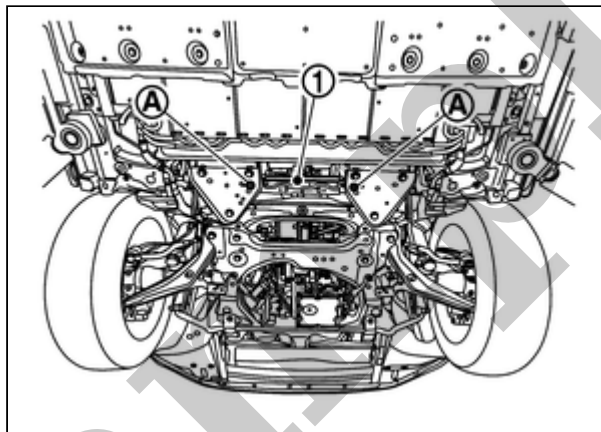


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CAUTION:

Be sure to inspect the harness connector fitting status is properly after install the quick charge port high voltage harness connector. Refer to [CHARGE PORT : Inspection](#).

- 2 Install the lack mounting ①.



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Lack mounting fixing bolt  **A**

: 65.0 N·m(6.6 kgm)

Quick charge port: Inspection

Inspection after install the quick charge port high voltage harness connector.

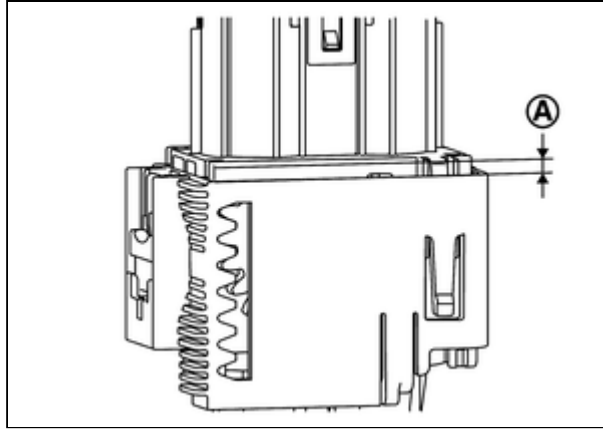
- 1 Measure the length of point **A**, and confirm the quick charge port high voltage harness connector length is standard value. Refer to [Removal & Installation](#) (66 kWh LI-ION BATTERY) or [Removal & Installation](#) (91 kWh LI-ION BATTERY).

DANGER:



Touching high voltage components without using the appropriate protective equipment will cause electrocution.





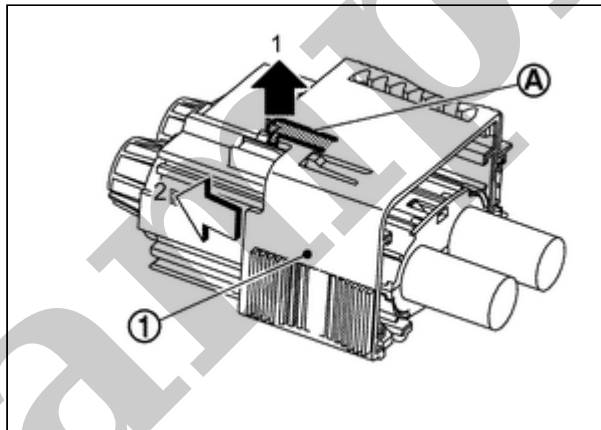
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Standard value **A**

: less than 5 mm

2 If the length is out of the standard value, reassemble the quick charge port high voltage harness connector according to the following procedure.

1. Remove the quick charge port high voltage harness connector from the Li-ion battery. Refer to [Removal & Installation](#) (66 kWh LI-ION BATTERY) or [Removal & Installation](#) (91 kWh LI-ION BATTERY).
2. Remove the quick charge port high voltage harness connector from the slider **1** with slide in the direction of the arrow 2 while the slider lock **A** raised in the direction of the arrow 1.

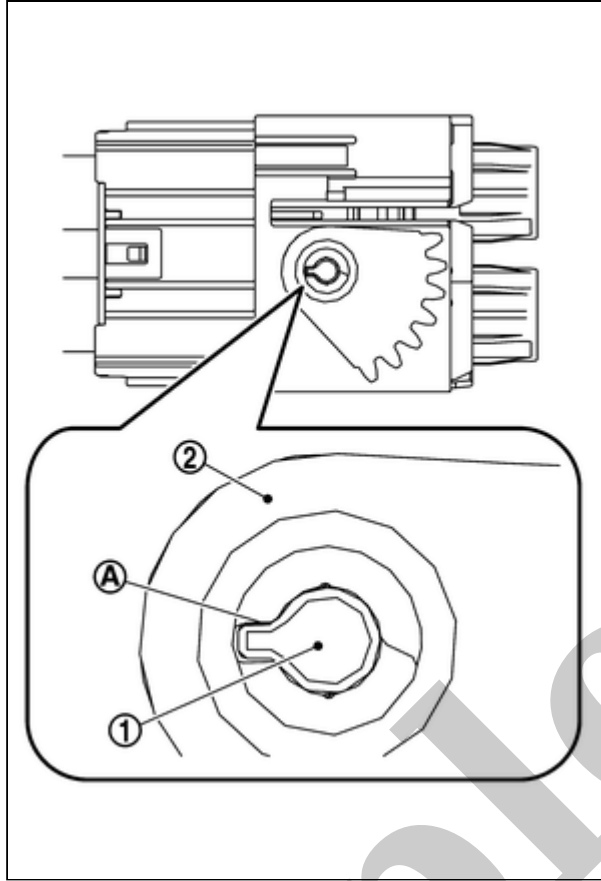


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CAUTION:

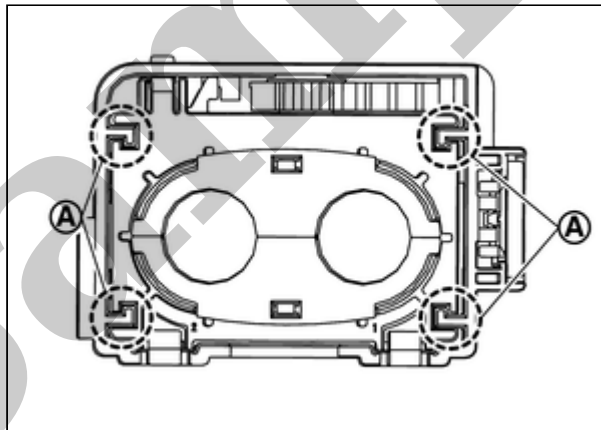
Do not raise the slider lock **A more than necessary.**

3. Set the gear with contact **A** and **2** of the quick charge port high voltage harness connector housing **1** as the illustration.



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4. While keeping the status of step 3 and align the slider with the groove of the quick charge port high voltage harness connector housing as shown by point **A** of the illustration and assemble.



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5. While keep pushing slider lock **A**, slide in the direction arrow until locked slider lock **B** as shown by illustration.