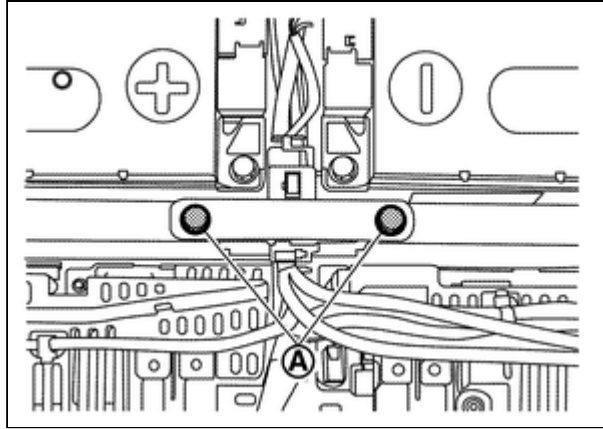


Your Ultimate Source for OEM Repair Manuals

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 OEM Service and Repair Workshop Manual

[Go to manual page](#)



RPR-001999655-31-000365579

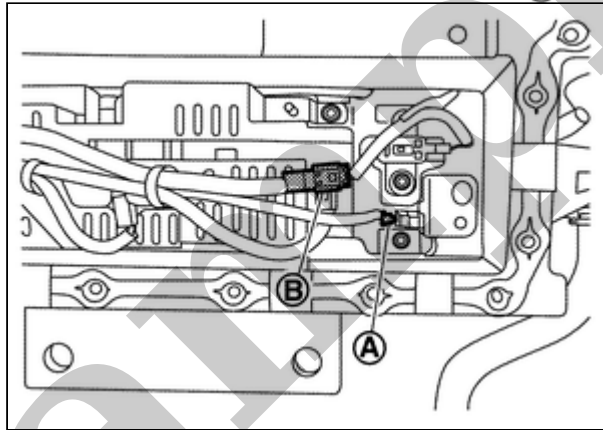
WARNING:



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



7 Remove harness connector (A) of battery pack pressure sensor and harness connector (B) of battery pack water temperature sensor.



RPR-001999655-02-000365580

WARNING:



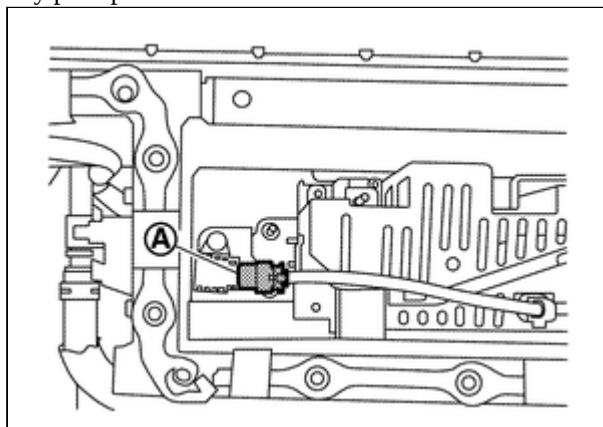
To prevent electric shock, wear insulated protective gear.




CAUTION:

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

8 Remove harness connector (A) of battery pack pressure sensor.



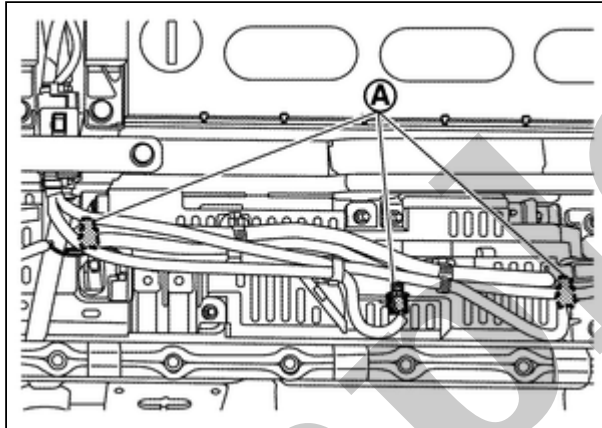
WARNING:

 To prevent electric shock, wear insulated protective gear.

**CAUTION:**


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

9 Remove connector harness (A) of vehicle communication harness.



RPR-001999655-43-000365582

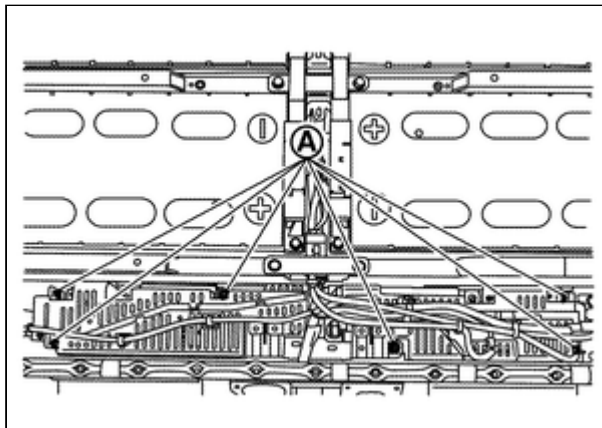
WARNING:

 To prevent electric shock, wear insulated protective gear.

**CAUTION:**

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

10 Remove nuts (A) of battery junction box.



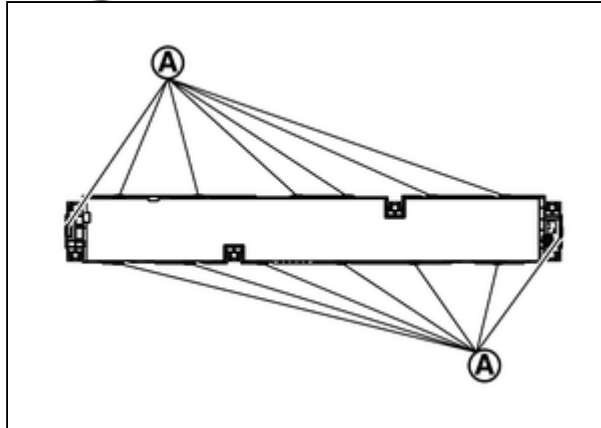
RPR-001999655-44-000365583

WARNING:

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



11 Lift battery junction box and release claws (A) on upper cover of battery junction box.



RPR-001999655-47-000365584

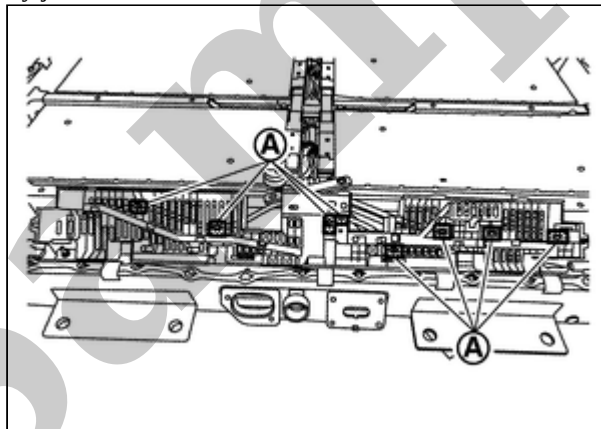
WARNING:



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



12 Remove harness clips (A) from battery junction box.



RPR-001999655-30-000365585

WARNING:



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



Assembly

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

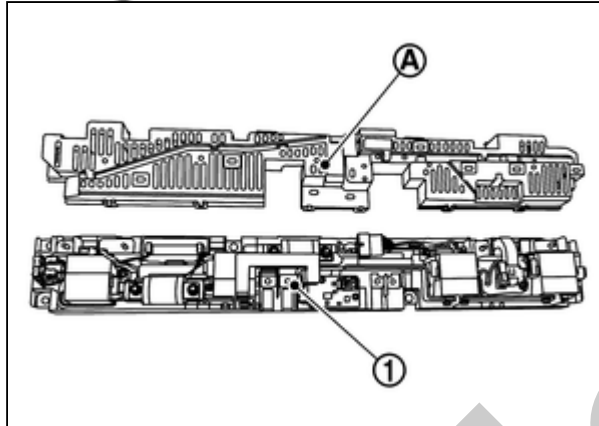
DANGER:

-  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 Install upper cover (A) to battery junction box (1).



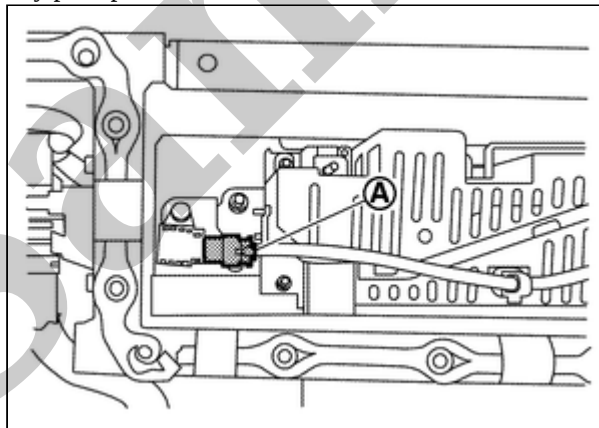
RPR-001999655-22-000365586

2 Install battery junction box to battery pack lower case.

BATTERY PACK PRESSURE SENSOR

DISASSEMBLY

1 Remove harness connector (A) of battery pack pressure sensor.



RPR-001999655-46-000365587

WARNING:

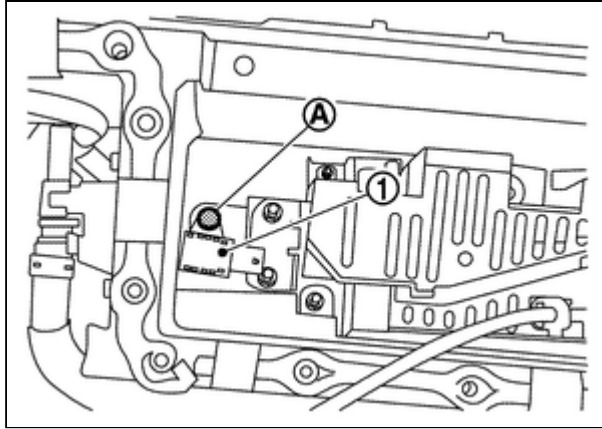
⚡ To prevent electric shock, wear insulated protective gear.



CAUTION:

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

2 Remove bolt (A) and then remove battery pack pressure sensor (1).



RPR-001999655-45-000365588

WARNING:

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



3 Remove left battery pack pressure sensor in the same way.


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.

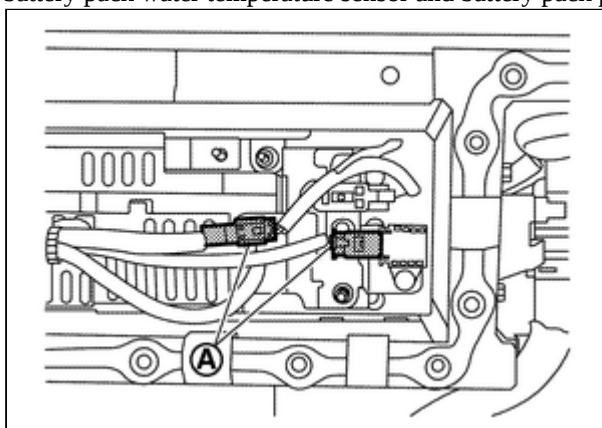


-  Because there is a danger of electric shock and fire, never allow bus bar to contact a wrong terminal.
 - If bus bar contacts a wrong terminal, the circuit becomes energized and a short may occur.
 - Always keep the bus bar cover closed until immediately before the installation of bus bar.


BATTERY PACK WATER TEMPERATURE SENSOR

DISASSEMBLY

1 Disconnect harness connector  of battery pack water temperature sensor and battery pack pressure sensor.



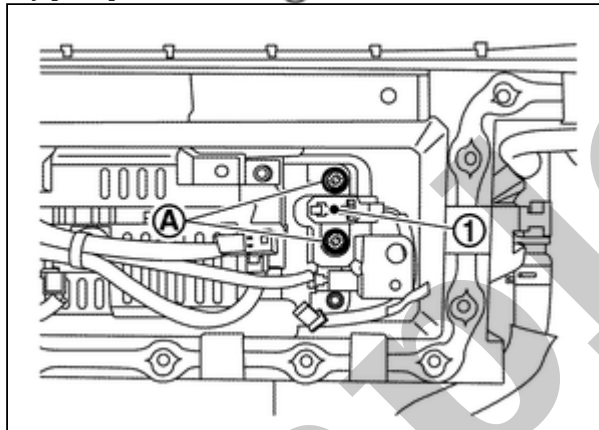
WARNING:

 To prevent electric shock, wear insulated protective gear.

**CAUTION:**

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

2 Remove nut **(A)** and then remove battery pack pressure sensor **(1)**.



RPR-001999655-48-000365590

WARNING:

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

**NOTE:**

The figure shows the state that battery pack pressure sensor is removed.


ASSEMBLY

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

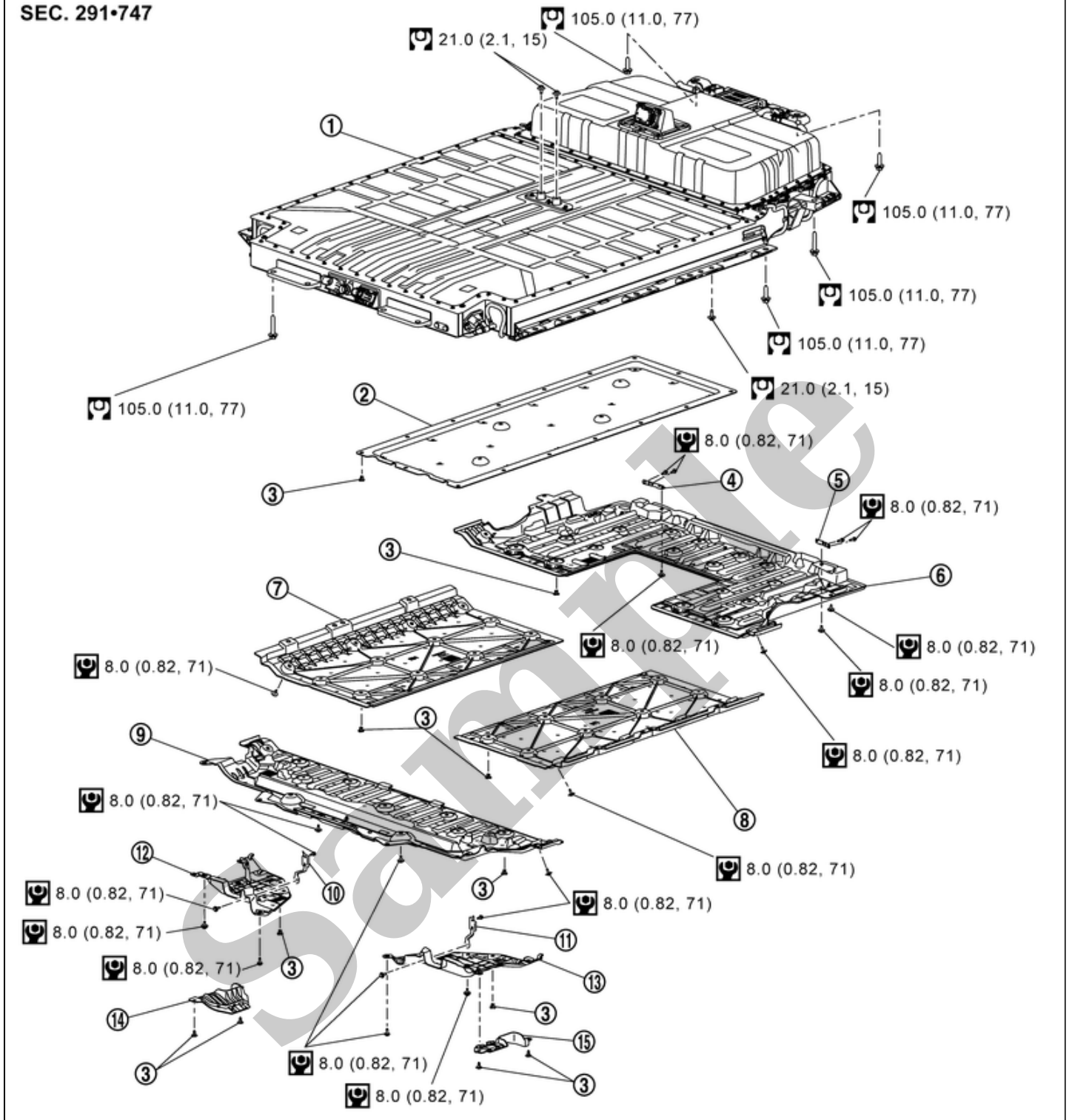
DANGER:

-  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.

SEC. 291•747



RDE-00199665-01-000393440

①	Li-ion battery	②	Li-ion battery under cover (center)	③	Clip
④	Li-ion battery under cover (rear) bracket right	⑤	Li-ion battery under cover (rear) bracket left	⑥	Li-ion battery under cover (rear)
⑦	Li-ion battery under cover (center right)	⑧	Li-ion battery under cover (center left)	⑨	Li-ion battery under cover (front)
⑩	Li-ion battery under cover (front right) bracket	⑪	Li-ion battery under cover (front left) bracket	⑫	Li-ion battery under cover (front right)
⑬	Li-ion battery under cover (front left)	⑭	Li-ion battery under cover (front right) lid	⑮	Li-ion battery under cover (front left) lid
	: N·m (kg-m, in-lb)				
	: N·m (kg-m, ft-lb)				

DANGER:

Because hybrid vehicles and electric vehicles contain a high voltage battery, there is a risk of electric shock, electric leakage, or similar accidents if the vehicle is 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 shut off the high voltage circuits before performing inspection or maintenance of high voltage system harnesses and parts.
- Be sure to put the removed service plug in pocket and carry it or store it in a tool box or other container so that another person does not accidentally connect it while work is in progress.
- Be sure to put on insulating protective gear before beginning work on the high voltage system.
- Clearly identify the persons responsible for high voltage work and ensure that other persons do not touch the vehicle. When not working, cover high voltage components with an anti-static cover sheet or similar item to prevent contact with other persons.
- Refer to [PRECAUTIONS FOR HIGH VOLTAGE : Precautions](#).

CAUTION:

- There is the possibility of a malfunction occurring if the vehicle is changed to READY status while the service plug is removed. Therefore do not change the vehicle to READY status unless instructed to do so in the Service Manual.
- Do not splash water on Li-ion battery using high-pressure washing machine, etc. while Li-ion battery undercover is removed.

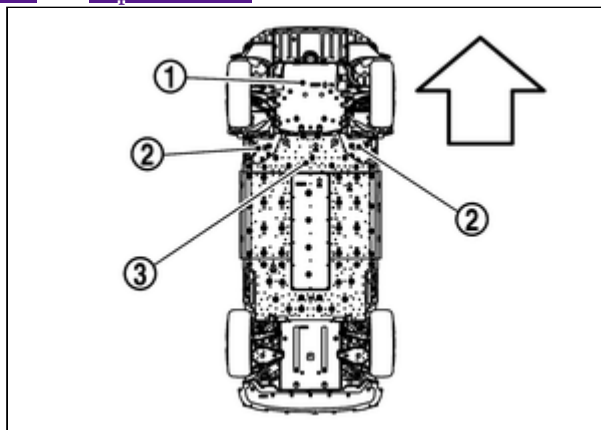
REMOVAL

WARNING:

Prepare for work on the high-voltage system. Refer to [HOW TO DISCONNECT HIGH VOLTAGE : Precautions](#).

1 Remove Li-ion battery under cover (front right) lid and Li-ion battery under cover (front left) lid.

2 Lift up vehicle and remove front under cover rear ①, Li-ion battery under cover (front) right & left ②, and Li-ion battery under cover (front) ③. Refer to [Exploded View](#) and [Exploded View](#).



RPR-001999661-01-000346940

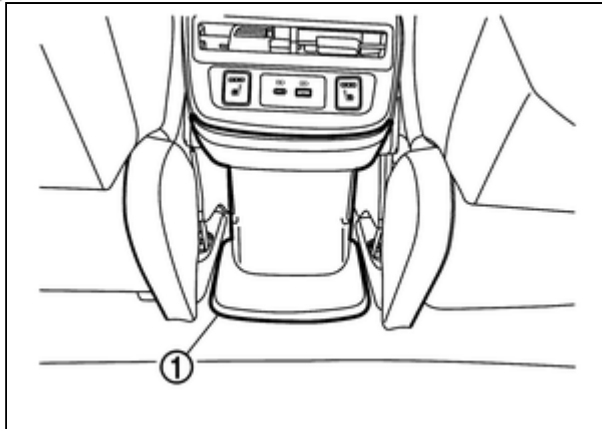


: Vehicle front

3 Remove remaining Li-ion battery covers. Refer to [Exploded View](#).

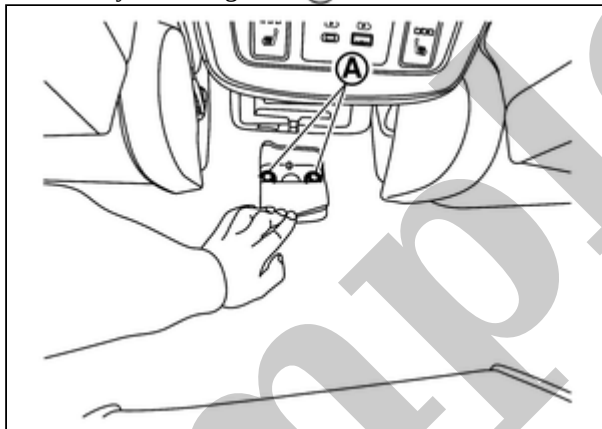
4 Remove rear diffuser. Refer to [Removal & Installation](#).

5 Remove console box rear finisher ①.



RPR-001999661-02-000346874

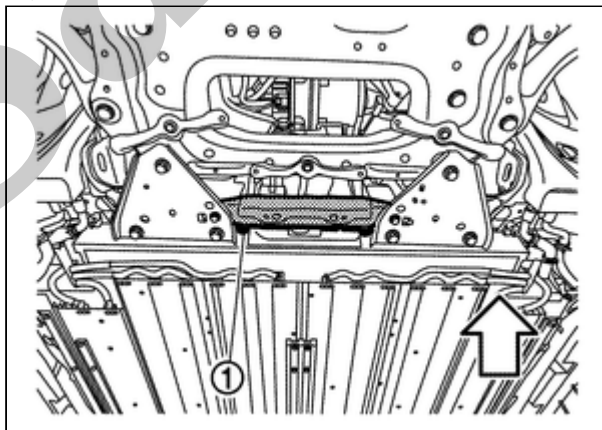
6 Turn over floor carpet and remove Li-ion battery mounting bolts (A).



RPR-001999661-03-000346875

7 Remove Li-ion battery side of water hose and drain high voltage coolant from Li-ion cooling system. Refer to [COOLANT : Draining](#).

8 Remove reinforce ①.



RPR-001999661-ILL-000435499



: Vehicle front

9 Remove high voltage harness (FR) bracket mounting bolt (A).