

iOn / C-Zéro

Passengers rescue manual



PSA PEUGEOT CITROËN

Foreword

iOn/C-Zero are electric cars equipped with high voltage battery.

This manual provides safety instructions that need to be followed after vehicle breakdown or when rescuing the passengers from the vehicle after an accident.

It describes how to deal securely with the incident involving the vehicle.

It is not intended to describe how to repair the vehicle. See the after-sales manual to find this information.

Failure to follow these instructions and especially the warnings and cautions may result in death or serious injury.

Please read and understand this manual carefully for your and the passengers safety.

Throughout this manual the words WARNING, CAUTION and NOTE appear.

These serve as reminders to be especially careful. Failure to follow instructions could result in personal injury or damage to your vehicle.

WARNING

Indicates a strong possibility of severe personal injury or death if instructions are not followed.

CAUTION

Means hazards or unsafe practices that could cause minor personal injury or damage to your vehicle.

NOTE: gives helpful information.

*: indicates optional equipment.

It may differ according to the sales classification; refer to the sales catalogue

PSA Peugeot Citroen reserves the right to make changes in design and specification and/or to make additions to or improvements in this product without obligation to install them on products previously manufactured

Please note that the contents of this manual may not fit completely with actual vehicle due to the change of vehicle specification.

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1. About the iOn / C-Zéro

(1) Main features

This vehicle uses two types of battery. One is a 12V battery that is the same as the battery in vehicles powered by internal combustion engines, and the other is the Lithium-ion (Li-ion) battery (high voltage) for the traction motor which propels the vehicle. The Li-ion battery is encased in steel and mounted underneath the vehicle. The iOn / C-Zéro is a rear-wheel drive vehicle.

The vehicle must be plugged-in in order to the Li-ion battery to be recharged. Additionally, the vehicle system can recharge the Li-ion battery by converting driving force into electricity while the vehicle is decelerating or being driven downhill. This is called regenerative deceleration. This vehicle is considered to be an environmentally friendly vehicle because it does not emit exhaust gases.

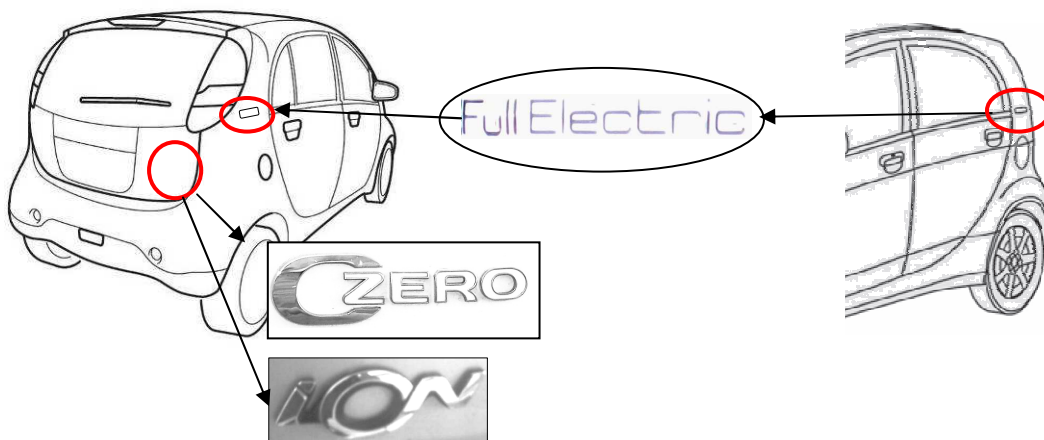
(2) Exterior and interior features to identify iOn / C-Zéro

Here are given the exterior features that will allow you to identify the vehicle:

1. iOn / C-Zéro logos
2. 2 lids : Regular and Quick charging
3. Absence of exhaust pipe
4. Chassis number

1. Logos

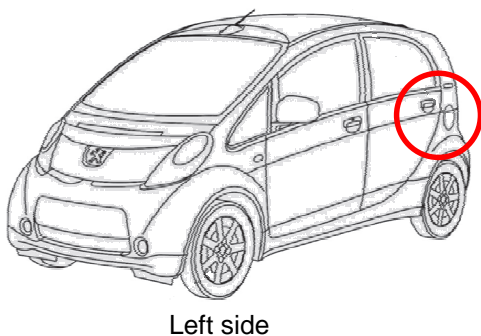
Mark and "Full Electric" Logo



The logo « Full Electric » is located on both sides of the iOn / C-Zéro vehicle

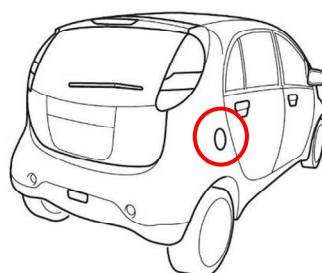
2. Regular and quick charging lid

Quick charge



Left side

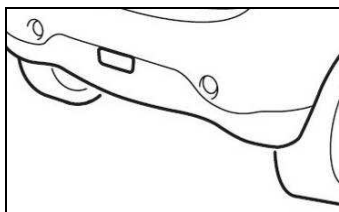
Regular charge



Right Side

3. Absence of exhaust pipe

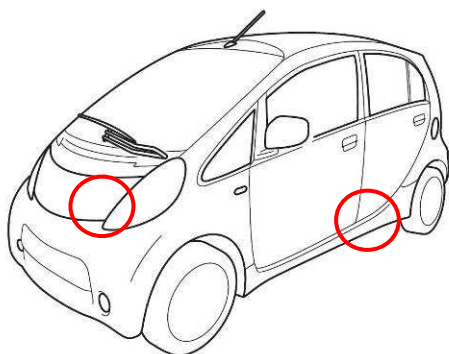
iOn / C-Zéro does not have an exhaust pipe :



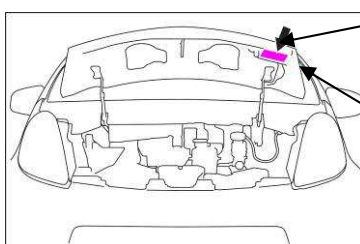
4. Chassis number

The Chassis number is stamped on the "Manufacture's Plate" and "Quarter trim".

The Model code is stamped on the "Vehicle information code plate".



- Vehicle information code plate



AUTOMOBILES PEUGEOT

VF31NZKZZBU8xxxxx

AUTOMOBILES CITROEN

VF71NZKZZBU9xxxxx

1450 KG

---- KG

1 – 640 KG

2 – 820 KG

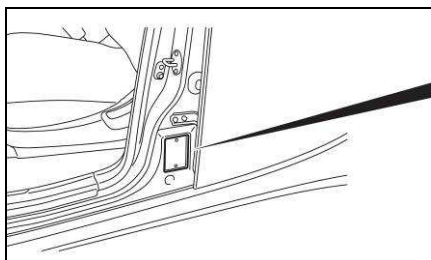
The chassis number is stamped on this plate.
iOn / C-Zéro includes "**NZKZZ**" in the Chassis number.

Example of Chassis number stamp:

For iOn : VF31**NZKZZ**BU8xxxxxx

For C-Zéro : VF71**NZKZZ**BU9xxxxxx

- Manufacture's Plate (Caution plate)
(Centre pillar, passenger side)

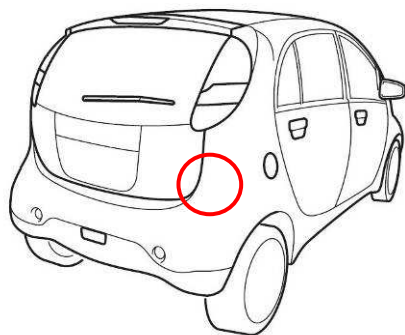


The chassis number is stamped on this plate.
iOn / C-Zéro includes "**NZKZZ**" in the Chassis number.

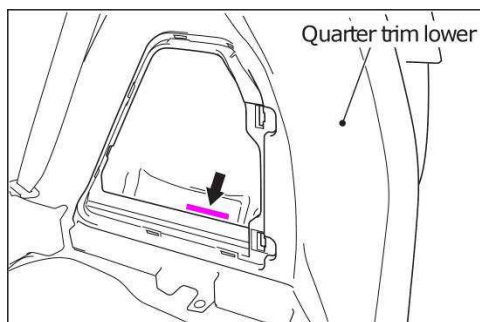
Example of Chassis number stamp:

For iOn : VF31**NZKZZ**BU8xxxxxx

For C-Zéro : VF71**NZKZZ**BU9xxxxxx



Vehicle Identification Number (Chassis number)
(Inside of quarter trim in luggage area)



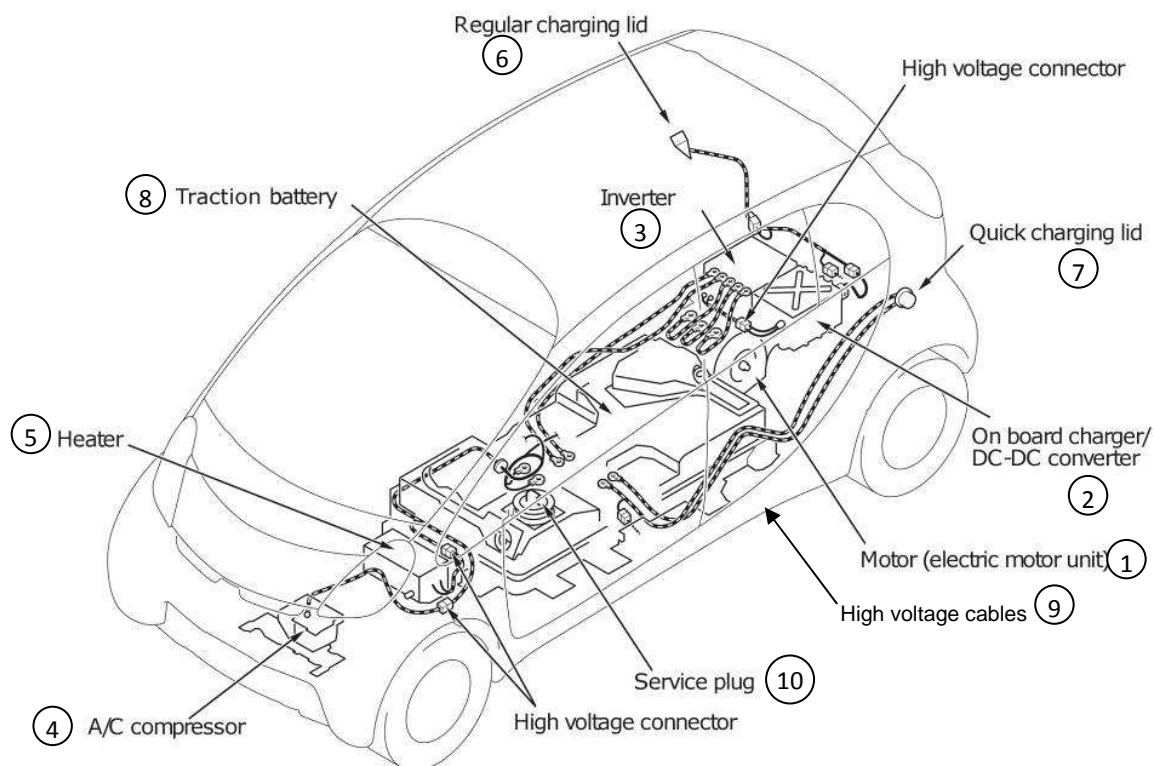
The chassis number is stamped on the quarter trim lower panel.
iOn / C-Zéro includes "NZKZZ" in the Chassis number.

For iOn : VF31**NZKZZ**BU8xxxxxx

For C-Zéro : VF71**NZKZZ**BU9xxxxxx

2. High Voltage System and 12V system Information

(1) *High voltage-related and 12V-related component Locations and descriptions*



	Component	Location	Description
1	Traction motor	On the rear axle	Converts three-phase AC power to drive power (torque) which propels the vehicle
2	On board charger / DC/DC Converter	On the rear axle	This component includes a DC/DC converter and an on board charger : - The DC/DC converter reduces the voltage of the Li-ion battery to provide power to the 12V battery in order to operate the vehicle's electric components (headlights, audio system, etc.) - The on board charger converts single-phase AC power from a home power outlet to DC power and increases the voltage in order to charge the Li-ion battery
3	Inverter	On the rear axle	Converts the DC power stored in the Li-ion battery to the three-phase AC power and controls motor torque (revolution) by regulating the motor current
4	Electric compressor	Under hood	Air conditioner compressor
5	PTC heater	Under hood	This is the electric heat source for the cabin heater. It heats the interior of the vehicle (PTC : Positive Temperature Coefficient)
6	Regular Charge lid	Right side of the vehicle	Connecting port for EVSE (Electric Vehicle Supply Equipment)
6	Quick Charging lid	Left side of the vehicle	Connecting port for quick charge
7	12V Battery (or auxiliary battery)	Under hood	A lead-acid battery that supplies power to the low voltage devices
8	Li-ion (Lithium ion) Battery (or HV battery)	Undercarriage	Stores and outputs DC power (Maximum voltage 330V) needed to propel the vehicle
9	High voltage cables	Undercarriage and Under hood	Orange-coloured power cables carry high direct current (DC) voltage between each of the high voltage components
10	Service plug	Under Left Front seat	Used to disable the high voltage system

(2) Li-ion Battery Pack Specifications

Li-ion battery voltage	325,6V
Number of Li-ion battery modules in the pack	88 cells of 3,7V each, divided on 10 modules of 8 cells and 2 modules of 4 cells
Li-ion battery dimensions	1383 x 672 x 219 mm
Li-ion battery weight (pack)	236 kg

(3) High voltage safety measures

The following safety measures are set against high voltage system:

Circuit insulation	The high voltage circuit is insulated from the vehicle body.
Reducing the risk of electrocution	All of high voltage components are covered up by cases/cover and high voltage wiring cables can be distinguished from normal wiring harness by their orange coloured insulation.
Identification	The high voltage components are labelled "WARNING" as shown below. All high voltage harnesses are coated in orange. Cases of high voltage components are insulated from high voltage circuit inside
Communication	In case of crash, the vehicle communicates to the assistance that the vehicle contains High Voltage inside.

(4) Warning label



(5) High voltage Circuit Shut-off System



The high voltage can be shut off by the following methods:

Service plug	Positioned under the left front seat, this plug shuts off output high voltage when manually removed.
Contact key	The contact key can shut off the high voltage from the Li-ion battery.
Emergency shut-off system	In the case of a collision (airbag deployment, etc.) or certain system malfunctions this system shuts off the high voltage from the Li-ion battery.
Charging connector	Some of the high voltage components are activated during charging. Remove the charging connector to deactivate theses components.

3. Safety precaution for handling high voltage

Since iOn / C-Zéro has a high voltage circuit with 330V Lithium-ion battery for the electric motor unit and other components, it is necessary to ensure “isolation” and “cut off” from the high voltage circuit in order to prevent the risk of electric shock before handling the vehicle.

(1) Required tools and equipment

Items		Specification	Purpose
Insulating Personal protective equipment 1. Rubber insulating gloves 2. Helmet 3&4. Pants and jacket (recommended) 5. Rubber sole insulating shoes		Minimum 400V voltage resistance	Prevention of electric shock while working on high voltage circuit/s.
Wrench		Size 10 mm Size 12mm	To be used to loosen : The 2 nuts (12mm) fastening service lid to access and unplug the service plug. To disconnect the auxiliary battery negative terminal (10mm).
Organic mask, Solvent resistance gloves (or heavy-duty rubber gloves) and eyes protector.			For use when the electrolyte is leaking from the traction battery.
Absorption mat, sand.			For absorbing the electrolyte leakage. An absorption mat (that is effective to absorb fuel and/or oil) and/or sand need to be available.
Fire extinguisher		Type ABC	Fire extinguisher that is suitable for flammable liquid and electrical equipment fires is required.
Insulating plastic tape			For insulating the electric circuit and tools if these are damaged.

(2) Precautions when rescuing passengers

WARNING:

Please handle the vehicle in accordance with the instructions provided throughout this manual to reduce the risk of injury from electric shock

Points to note are:

This vehicle uses 325,6V high voltage circuit.

- 1) Traction battery uses an electrolyte made of flammable “Carbonate ester solution of lithium salts”. When reacting with moisture in the air, this electrolyte generates acidic organic vapour which is harmful

to human body.

- 2) Therefore when handling this, please use appropriate Personal Protective Equipment (PPE) as described in the chapter [Required tools and equipment](#).
- 3) The possibility of a high volume electrolyte leak as a result of traction battery damage is reduced by the construction inside the traction battery. The maximum quantity of electrolyte that can flee is 1,5 L.

4. Steps of Emergency Response

The following precautions need to be observed when you handle the vehicle at the accident site.

(1) *Identify the vehicle*

Using the features given in the part [About the iOn / C-Zéro](#) , make sure that the damaged vehicle is a iOn or C-Zero.

(2) *Use Personal Protective Equipement (PPE)*

Make sure that you are equipped as described in the part [Required tools and equipment](#)

(3) *Precautions at the accident site*

WARNING:

Do not directly touch any exposed high voltage wiring cables, any disconnected or protective covers or high voltage compnents that might be damaged).

-> If it is necessary to touch any of the high voltage harnesses or components please wear appropriate PPE to avoid electrical shock. Shut down the high voltage system by following the steps defined in : [The procedure to handle a damaged vehicle at an accident scene](#)

If you find fluid leakage under the traction battery, it could possibly be an acidic evaporative emission generated by the electrolyte. The electrolyte is clear & colourless and with a slightly sweet odour. It has similar viscosity to water. This electrolyte is flammable and dangerous for human body.

-> You should put on orrganic mask, Solvent resistance gloves and eye protection, then absorb the liquid with an absorption mat or sand.

WARNING:

Never assume the iOn / C-Zéro is shut OFF simply because it is quiet.

If it becomes necessary for the rescuer to leave the vehicle, place a “DANGER” sign (see an example given at the end of the document) on the vehicle to alert other people that the vehicle contains a high voltage battery

If the READY indicator, charging indicator or air conditioning remote timer indicator are ON the high voltage is active.

CAUTION;

DO not leave the vehicle unattended if the accident scene or vehicle is not safe for bystanders.

(4) Preparation: Vehicle Immobilization and Stabilization

Set the select lever to “P (Parking)” position and apply the hand brake and wheel chocks.

If you can not perform this action, you can stabilize the vehicle with wooden blocks.

(5) Checking the state of the vehicle

1. About fluid leakage

WARNING:

If there is liquid under the vehicle, it could possibly be an acidic evaporative emission generated by the electrolyte. When electrolyte is leaking, you should put on Organic mask, Solvent resistance gloves and Eye protection.

- Li-ion Battery Electrolyte Solution characteristics :
- Clear in colour
- Sweet colour
- Similar viscosity to water
- Skin irritant: if it comes into contact with your skin, flush with water immediately.
- Eye irritant: If the electrolyte gets into your eyes, don't rub your eyes and flush with large quantity of water immediately.
- Highly inflammable
- Electrolyte liquid or fumes that have come into contact with water vapours in the air will create an oxidized substance. This substance may irritate skin and eyes. In these cases, rinse with plenty of water and see doctor immediately
- Since the Li-ion battery is made up of many small sealed battery modules, electrolyte solution should not leak in large quantity

If you find fluid leakage under the traction battery, absorb it with an absorption mat or sand.

NOTE :

Others fluid in the vehicle (such as washer fluid, brake fluid, coolant, etc.) are the same as those in a conventional internal combustion vehicle.

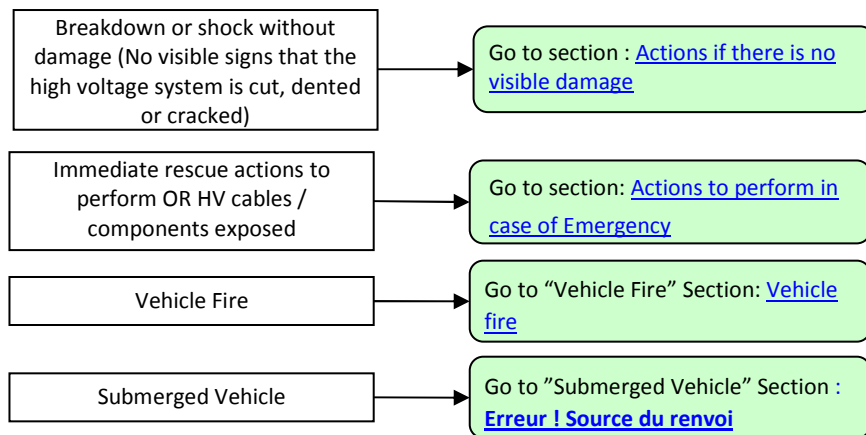
2. Damages on the vehicle

If there is a possibility that high voltage components and wiring are damaged, cut off the high voltage circuit in accordance with the instruction in [The procedure to handle a damaged vehicle at an accident scene](#). Please refer to the location of high voltage components and wiring cable in [High voltage-related and 12V-related component Locations and descriptions](#)

CAUTION:

Do not leave the vehicle unattended if the accident scene or vehicle is not safe for rescuers. When emergency work has been completed and attendants will be leaving the damaged vehicle, please inform any rescuers of the danger by installing a warning sign explaining “HIGH VOLTAGE” condition exists (Please refer the signboard example at the end).

Use the diagram below to determine which instructions you will need to follow:



5. The procedure to handle a damaged vehicle at an accident scene

There could be a serious risk of electric shock to the passengers and the rescuer if handled incorrectly.

WARNING:

Use insulated Personal Protective Equipment (PPE) (Rubber insulating gloves and rubber sole insulating shoes as a minimum: rated to a minimum of 400V voltage resistance), in case contact with the vehicle body is possible.

(1) *Actions if there is no visible damage*

CAUTION:

When an orange-coloured wiring cable or high voltage components is exposed, please refer [Actions to perform in case of Emergency](#).

If cutting the vehicle body is necessary for rescue operations, please refer [Cutting vehicle body](#)

The objective is to put the vehicle in a safe state to avoid all potential electrical risk, by disconnecting the High voltage electricity current supplied from traction battery. This procedure will take about **10mn**

1) Verify that the vehicle is immobilized (see

Preparation: Vehicle Immobilization and Stabilization)

- 2) Shutdown the vehicle's EV system using one of the following 2 methods :
 - Turn the electric motor switch on the steering column to the "LOCK" position (see [Procedure to turn OFF the contact with contact key](#)) and remove the key.
 - Remove the fuse of "Power control unit" from the fuse box under the bonnet. (see [Procedure to remove the fuse](#))

- 3) Wait for at least 1 minute, before proceeding to the next step.

Shut down of an EV system is performed in this waiting time.

- 4) Disconnect the auxiliary battery negative and positive terminal. -> [Procedure to disconnect auxiliary battery](#)

This will disconnect the power supply to SRS airbags system and discharge the high voltage electricity of the EV system.

CAUTION:

Please note that when the auxiliary battery is removed, you cannot open the tailgate.

- 5) Please wait at least 5 minutes before proceeding, to the next step.

- 6) Remove the Service plug -> [Procedure to remove service plug](#)

(This action isolates the high voltage electric circuit inside the traction battery)

- 7) Before starting any operation on the vehicle, verify the absence of tension -> [Procedure to verify absence of tension](#)

- 8) Please begin an appropriate rescue action such as cut off of the vehicle body.

WARNING:

If the service plug is removed without observing the proper procedure, it could cause injury such as burn wound, to rescuers due to the flying pieces of melted metal of service plug terminal, caused by short circuit

NEVER cut the traction battery itself.

(2) Actions to perform in case of Emergency

You are in this case if there is an emergency or if there are visible damages on HV components. Setting the vehicle in electrical safe state is strongly recommended before starting operation on the vehicle. Check the vehicle damage to assess whether high voltage components or wiring has been damaged.

CAUTION:

Orange-coloured wiring cables indicate high voltage circuits and cables.

- 1) Verify that the vehicle is immobilized (see

[Preparation: Vehicle Immobilization and Stabilization](#)

- 2) Turn the electric motor switch on the steering column to the "LOCK" position ([Procedure to turn OFF the contact with contact key](#)) and remove the key.
- 3) Disconnect the auxiliary battery negative and positive terminal. -> [Procedure to disconnect auxiliary battery](#)

CAUTION:

Please note that when the auxiliary battery is removed, you cannot open the tailgate.

- 4) Please begin an appropriate rescue action such as cut off of the vehicle body (procedure given below)

If it is necessary to remove window glass and/or doors, use the same process as used for ordinary vehicles.

- 5) Once the passengers are out of the vehicle, remove the service plug -> [Procedure to remove service plug](#)

Cutting vehicle body

- Pre-checking

WARNING:

Use an appropriate cutting machine that will not spark, otherwise it could cause serious injury to passengers and rescuers.

In addition, please avoid cutting the area shown below (shaded) and avoid touching any exposed orange-coloured electric wiring cable

Areas that could cause electric shock;

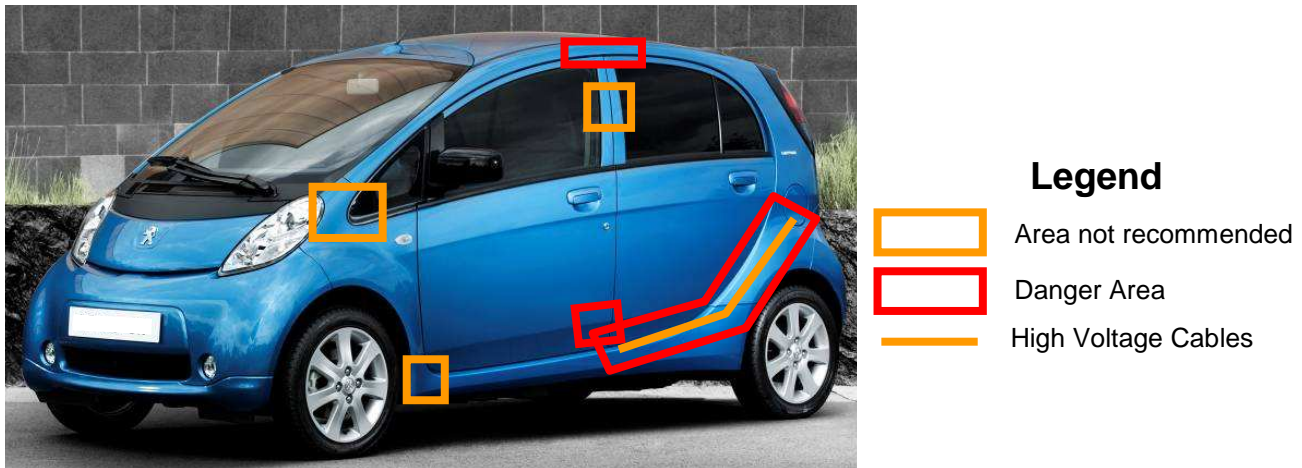
Do not cut the areas shown in the illustration below to avoid the risk of an electric shock.

WARNING:

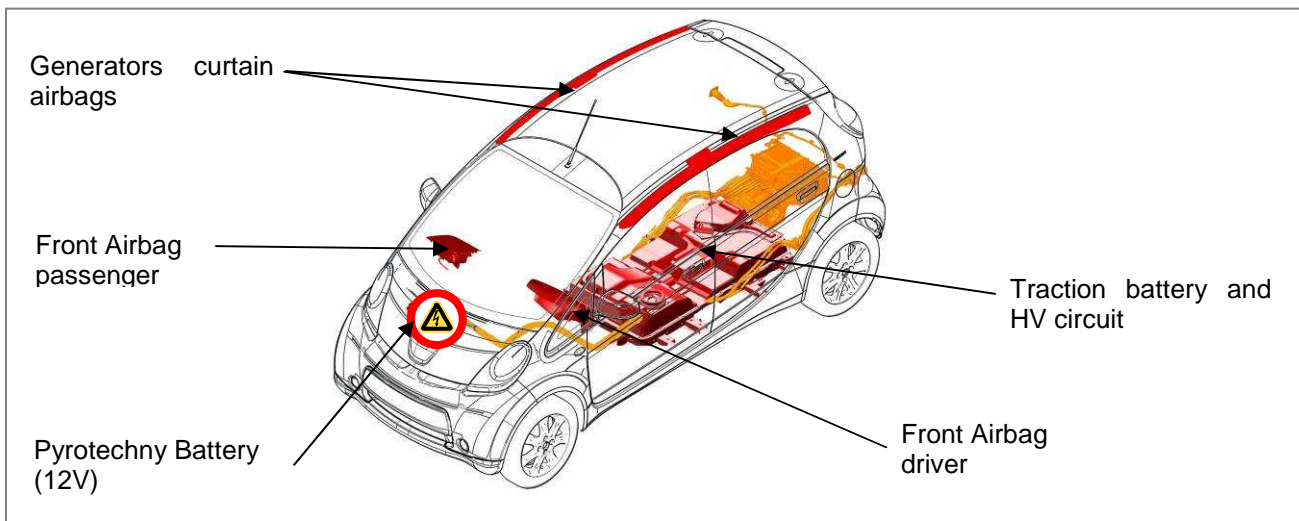
NEVER CUT THE TRACTION BATTERY ITSELF.

Do not cut the areas coloured (shaded) to prevent the risk of a high voltage electric shock and deployment of SRS airbags system.

The figure below shows areas that are to take into account before proceeding :



SRS airbags system (location of airbags and related wiring harness) are located as show in the figure below:



(3) Vehicle fire

CAUTION:

Use **ONLY** ABC extinguisher (In case of presence of solid Lithium it can react with water and provoke an explosion)

- Vehicle not charging

In case of vehicle fire, inform fire department immediately and check the item next:

- 1) Check if the battery is leaking
- 2) Start extinguishing the fire if possible.
 - **By fire extinguisher**

Use a fire extinguisher type ABC which is suitable for flammable liquid and electrical equipment fires.

- **By water**

NEVER EXTINGUISH BY SMALL VOLUME OF WATER. It is quite dangerous.

This is only possible if you can use a large volume of water (e.g. from fire-hydrant), otherwise wait for fire department to arrive on the scene.

- Vehicle charging

In case of plugged vehicle, check if it is a normal ou quick charge which is performed (see chapter [High voltage-related and 12V-related component Locations and descriptions](#))

In case of normal charge, disconnect the plug from the electrical source network.

In case of quick charge, push the command "STOP" on the electrical source panel, then remove the charge connector from the vehicle using the lever.

(4) Submerged vehicle

Check the vehicle damage first.

If you find serious damage on the vehicle and find the traction battery deformed/damaged or battery internals exposed, wear insulating protection, handle carefully and avoid touching the traction battery.

WARNING:

After removing the vehicle from the water and draining the water from the cabin, remove the service plug whilst wearing Personal Protective Equipment (PPE) (rubber insulating gloves, rubber soled insulating shoes rated to a minimum 400V voltage resistance).

Then fill up the water via the traction battery's cooling duct using de-ionised water.

As electrolytically-generated hydrogen will be produced within the traction battery internals for approx. 72 hours after filling the water, the vehicle should open all windows and kept in a well-ventilated area located outside are to prevent the risk of fire.

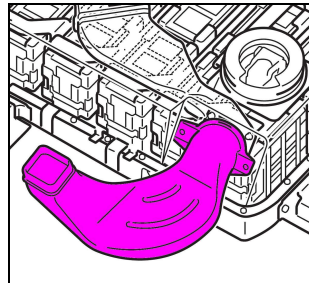
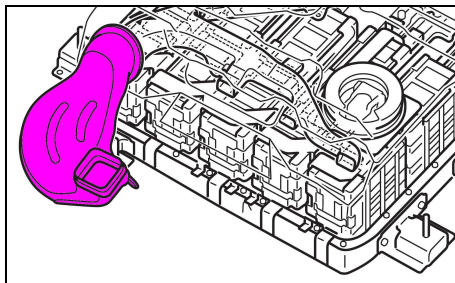
When seawater penetrates the traction battery, thoroughly flush the seawater out of the traction battery using de-ionized water under pressure.

- 1) Cut the floor carpet under the front passenger seat.
(LHD: Right side seat / RHD: Left side seat)
- 2) Detach the floor duct for traction battery cooling.
(Please note that if it is impossible to detach, break it by bar or other tools.)

Traction battery cooling floor duct

<LH drive vehicles>

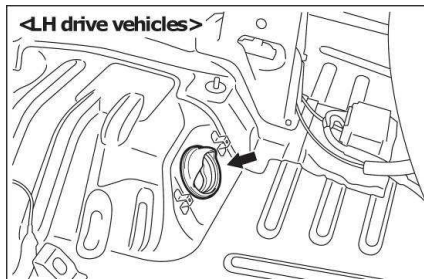
<RH drive vehicles>



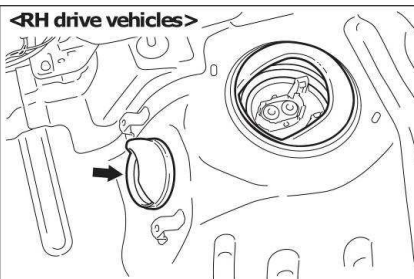
- 3) Fill up the water from the hole of the inlet of traction battery cooling.

Inlet of traction battery cooling

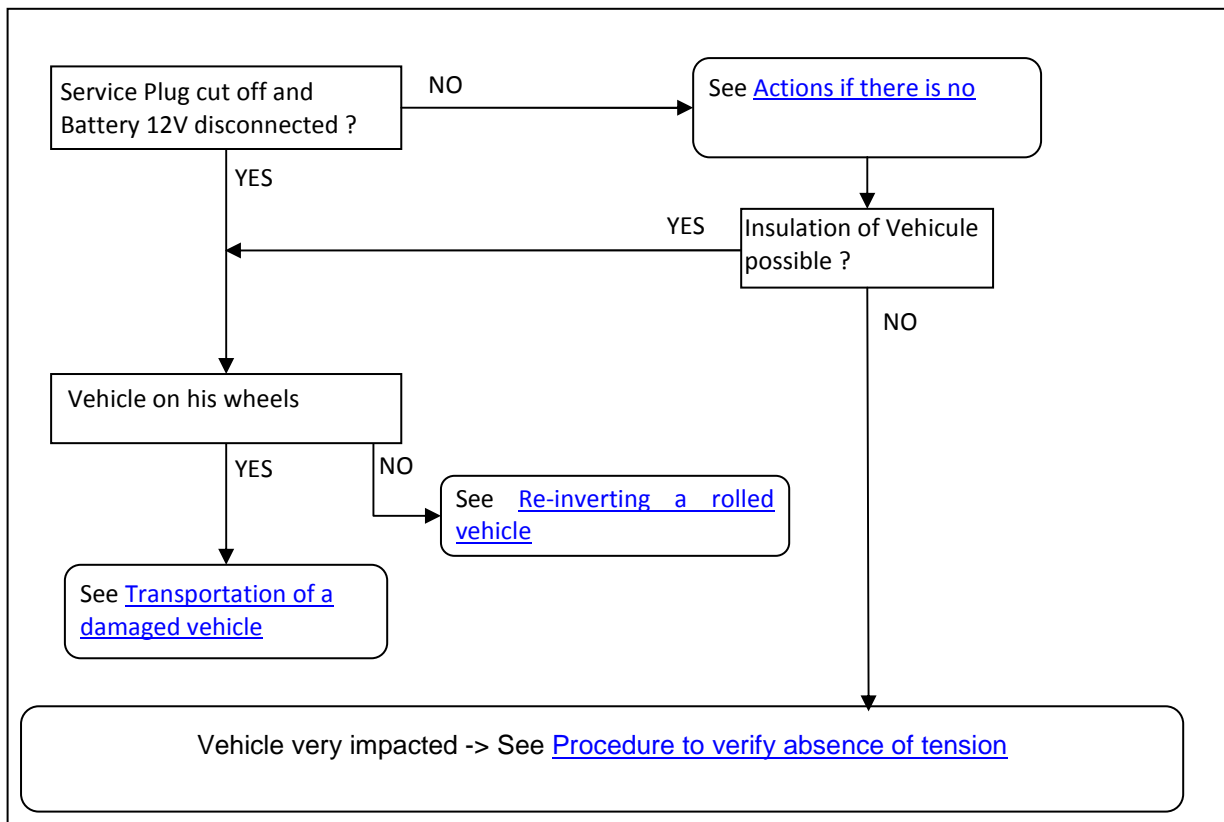
<LH drive vehicles>



<RH drive vehicles>



6. The procedure to the transportation of a vehicle

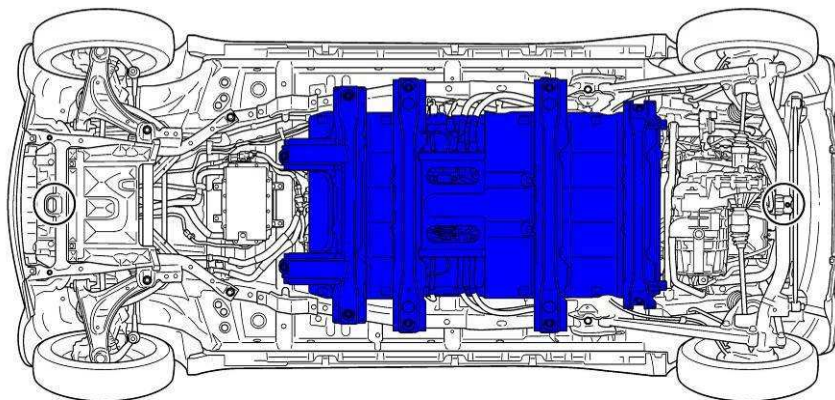


(1) *Re-inverting a rolled vehicle*

Check that there is no projection on the road and re-right the vehicle slowly and carefully, avoiding contact with the traction battery under the floor.

- The bottom view

Coloured area shows traction battery. (With under cover removed).



(2) *Transportation of a damaged vehicle*

You can drive the damaged vehicle for transportation purpose provided there is no significant damage to the vehicle. Do not drive if any of following conditions is evident.

High voltage components and/or wiring cables are damaged.

Electric motor (electric motor unit), transmission, brakes, suspension, and/or tires are damaged.

Oil and/or cooling water are leaking.

- “READY” indicator lamp (meaning ready to drive) does not illuminate in the instrument panel after turning on the electric motor switch, with the selector lever in the “P (Parking)” position and with the foot brake applied.

If the “READY” indicator lamp turns off and/or EV related warning lamps turn on in the instrument panel, or if you find an abnormal noise, smell and/or strong vibration from the vehicle during driving, the [procedure Actions if there is no visible damage](#) should be carried out, until the disconnection of service plug.

The transportation instruction follows.

WARNING:

Always wear suitable Personal Protective Equipment when you unplug the service plug!





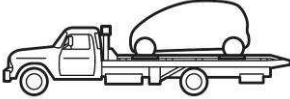

(3) Precaution for a vehicle transportation

- Transportation by tow truck

When the tow truck is used for the transportation of the damaged vehicle, all four wheels should be elevated.

WARNING:

If the vehicle is carried with the rear wheels on the ground, it could cause vehicle fire due to short circuit by the electricity generated from the electric motor (electric motor unit) through rolling rear wheels on the ground.

	Carrying method	Remarks
Forbidden 	Hang either front wheel 	Never carry the vehicle with hung wheels (towing by wheels). Do not lean on exterior parts due to the risk of damage. Only lift up with front or rear wheels.
Not acceptable (to use only if there is no other solution possible)	Lift up either front or rear wheel  	<ul style="list-style-type: none"> • Carrying the vehicle with rear wheels on the ground could cause vehicle fire due to short circuit by the electricity generated from the electric motor (electric motor unit) through rolling rear wheels on the ground. • Do not carry the vehicle with keeping rear wheel lifted up, because this transportation method is unstable. <p>WARNING : Carry the vehicle on a distance of 30 km maximum without exceeding 30km/h</p>
Acceptable	Lift up all wheels  	<ul style="list-style-type: none"> • Carry the vehicle with the selector lever in the “P (Parking)” position and the parking brake applied.

- Figure shows examples of carrying statement.

- When loading the vehicle on the carrier, please handle carefully in order to not damage the vehicle further.

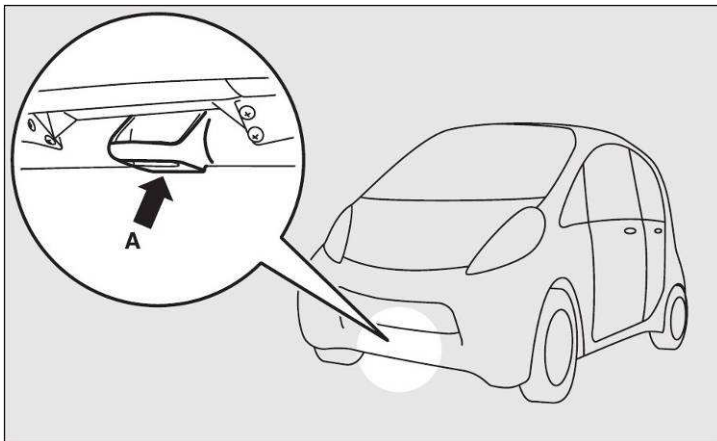
- Towing by tow rope

WARNING:

Depending on the vehicle damage, carrying the vehicle with the rear wheels on the ground may cause vehicle fire due to short circuit by the electricity generated from the electric motor (electric motor unit).

If there is no alternative to towing the vehicle using a tow rope, the vehicle speed must not exceed 30km/h and the distance must be minimized. While towing, set the selector lever to "N (Neutral)" position.

- 1) Set the tow rope on the towing hook (A) of the body.



- 2) While towing, turn on the electric motor unit if possible.
If this is not possible, turn on the electric motor switch to ACC.
- 3) The regulations concerning towing may differ from country to country. It is recommended that you obey the regulations of the area where you are towing the vehicle.

CAUTION:

When the electric motor unit is stopped, the brake efficiency is reduced and steering effort increases.

If the electric motor switch is in the "LOCK" position, it is impossible to use steering due to steering lock function and it could cause an accident.

Driver of the towed vehicle to look at the stop lamp of the towing vehicle carefully and ensure tension in the tow rope at all times.

- 4) Set the selector lever to "N (Neutral)" position.
- 5) Turn on the hazard lamp to provide warning to the other road users.

WARNING:

Prevent driving in such a way that may cause high tension in the tow rope and towing hook as this could cause breakage with the potential to cause serious injury to bystanders.

- Please tow carefully taking precautions to not increase damage to the vehicle.
- If abnormal noise, smell and/or strong vibration are observed from the vehicle while towing, stop towing immediately.

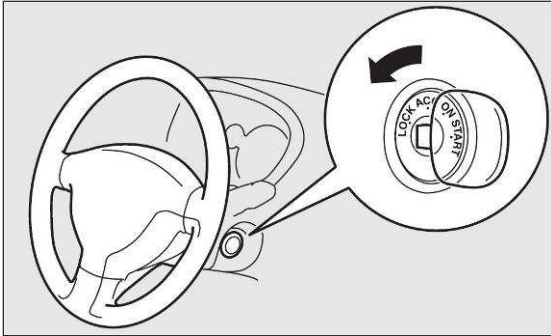
WARNING : Carry the vehicle on a distance of 30 km maximum without exceeding 30km/h

7. Detail working procedure

(1) **Procedure to turn OFF the contact with contact key**

Always wear Personal Protective Equipment (PPE) while working.

- 1) Kill the electric motor unit, by turning off the electric motor switch on the steering column to “LOCK” position.

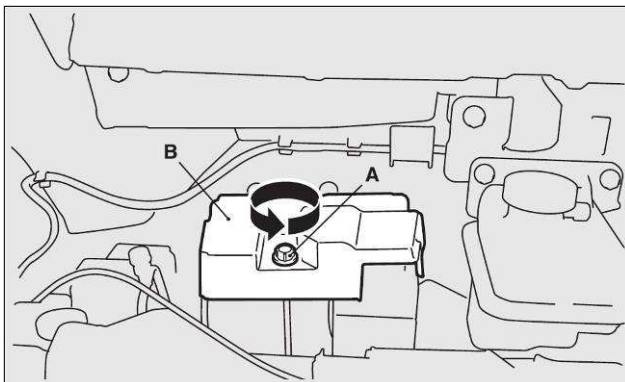


- 2) Remove the key

(2) **Procedure to disconnect auxiliary battery**

Disconnect auxiliary battery negative terminal by using a 10mm spanner by following the procedure below.

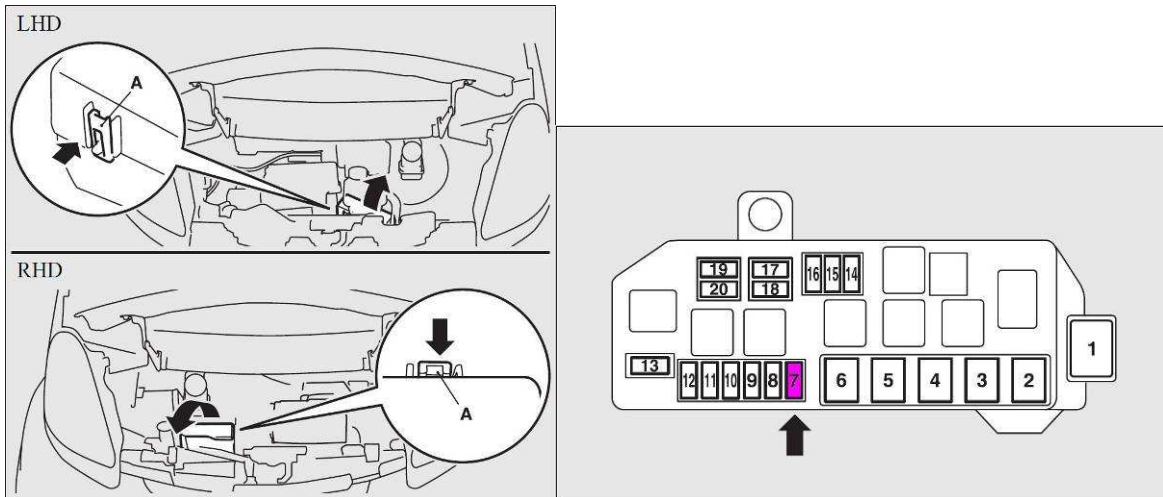
- 3) Open the bonnet (the command is on the right side)
- 4) Remove the cover of auxiliary battery under the bonnet.
- 5) Turn the plastic nut (A) anticlockwise, and then remove the auxiliary battery upper cover (B)



- 6) Disconnect negative terminal from auxiliary battery with an insulated tool
- 7) Then disconnect positive terminal with an insulated tool

(3) **Procedure to remove the fuse**

- 1) Open the bonnet (the command is on the right side)
- 2) Remove the “Power control unit” fuse (No.7 15A fuse shown in below figure)



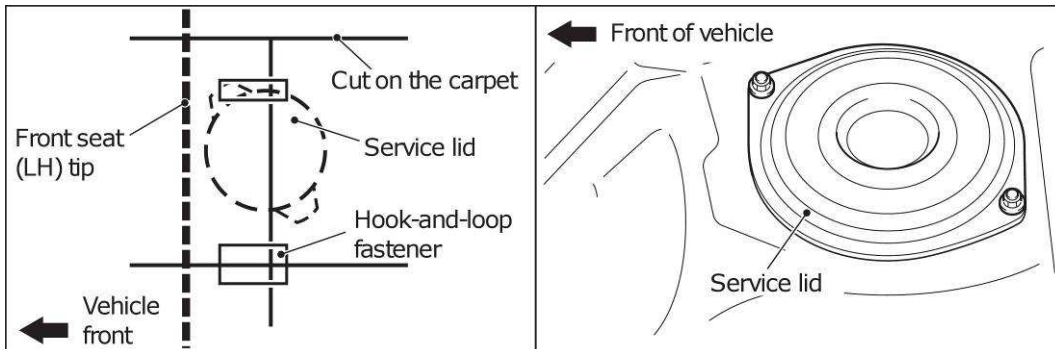
If you cannot find the fuse, remove all fuses and relays in the fuse box.

(4) Procedure to remove service plug

WARNING :

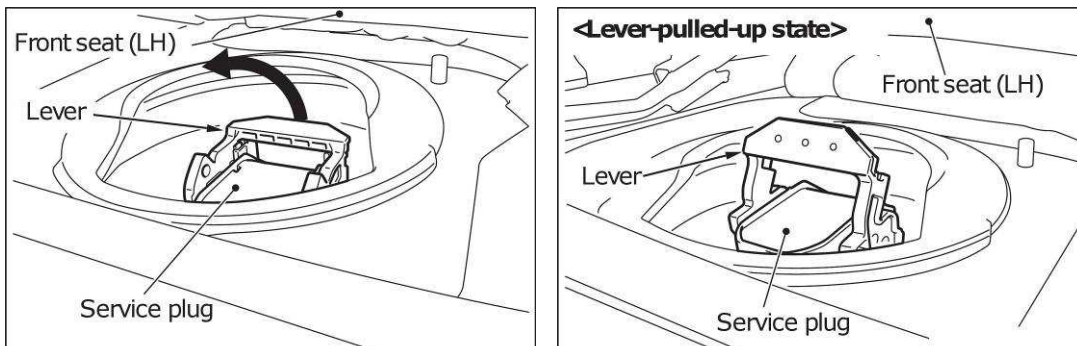
- When removing service plug, please be sure to remove it after high voltage is cut off.
- When removing service plug, please wear Personal Protective Equipment (PPE).

- 1) Slide the front left side seat (LHD: Driver seat / RHD: Passenger seat) to its rear most position and roll up the carpet under the seat.
- 2) Remove the service lid (12mm x 2 Nuts)

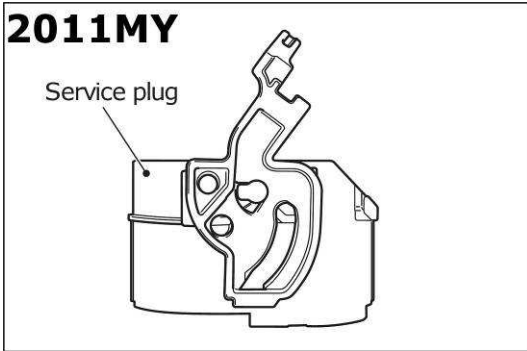


- 3) Whilst wearing Personal Protective Equipment, unplug the service plug.

- Pull up the lever of service plug.



- Unplug the service plug.



CAUTION:

1. There are some high voltage components and wiring cable which retain high voltage for 5 minutes after removing service plug.

When it is necessary to cut the high voltage components and wiring cable, wait for at least 5 minutes after the process of cutting off the high voltage circuit, before commencing the next action.

2. Since SRS-ECU capacitors retain required voltage until approx. 1 minute after power disconnection. This means airbag deployment function is still possible. If you proceed to the next step without waiting for this time period, there is potential for a serious injury due to inadvertent airbag deployment (inflation).

WARNING:

The worker who removes the service plug should retain it (or place it in a secure place under their direct control), in order to prevent it from being mistakenly reinstalled.

Before leaving the vehicle unattended, the service lid should be reinstalled and secured (where possible to prevent any accidental contact. **DO NOT** reinstall the service plug)

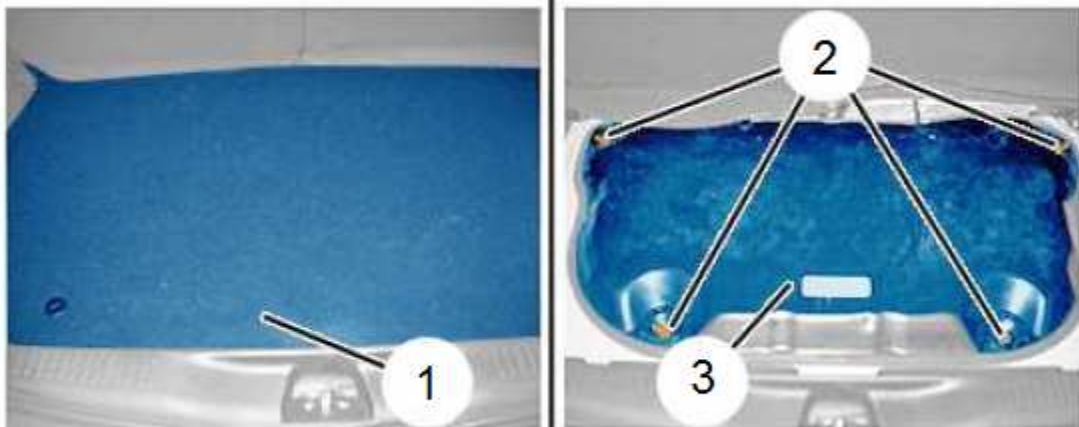
(5) Procedure to verify absence of tension

The verification of absence of tension on the HV Battery is performed on the internal pins on the electrical machine control unit, which under the rear floor

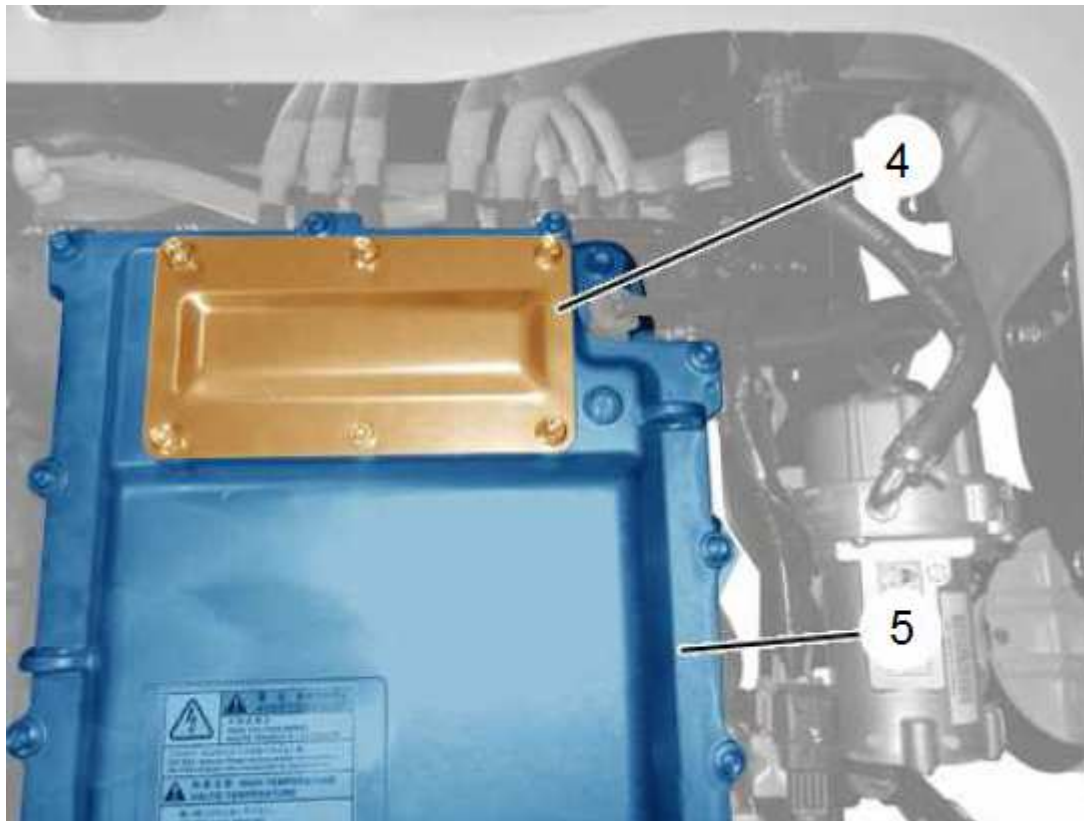
WARNING :

Be sure to wear appropriate isolate gloves

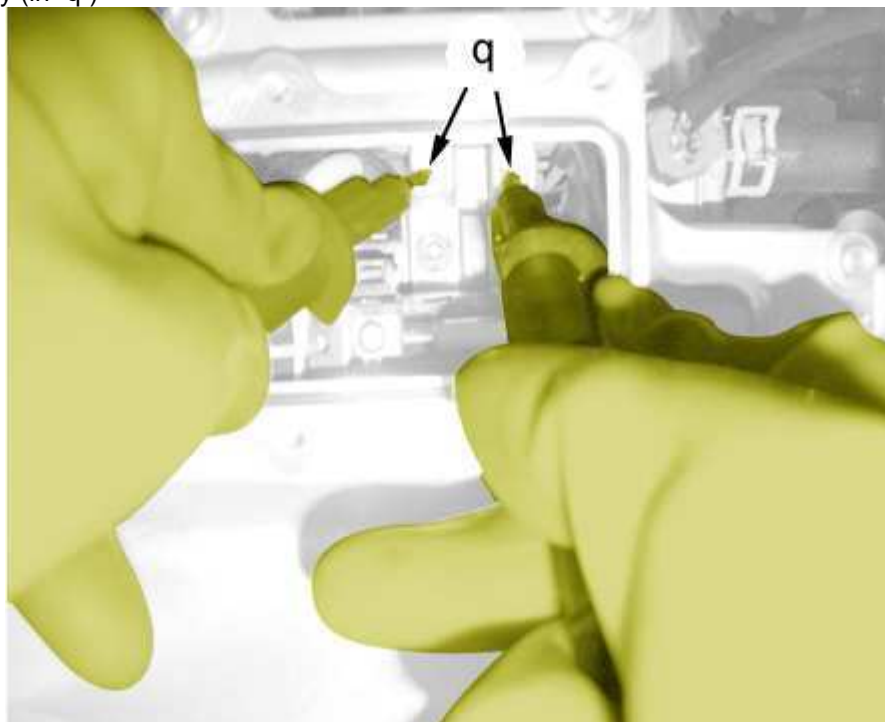
- 1) Remove the ground sheet (1), the fly nuts (2) , the flap (3)



- 2) Remove the flap (4) of the electrical machine control unit (5)



- 3) Control the absence of tension between the negative and positive cables coming from the HV battery (in “q”)



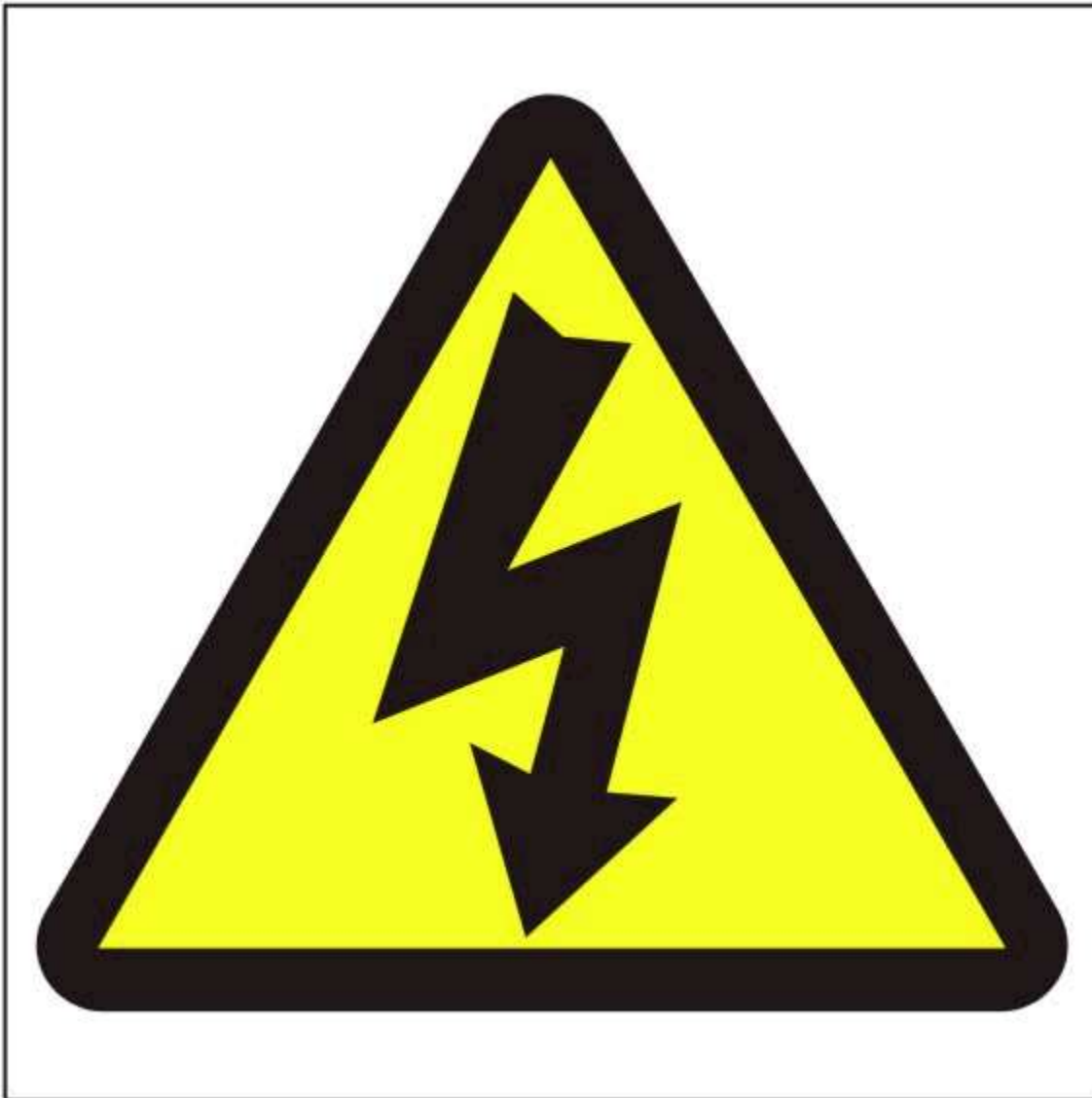
- 4) Put again the flap (4)

8. Safety for vehicle environment

**DO NOT TOUCH!
DANGER!
IN PROGRESS!!
HIGH VOLTAGE WORK**

**HIGH VOLTAGE WORK
IN PROGRESS!!
DANGER!
DO NOT TOUCH!**

*When doing high-voltage works, please putting up this signboard, make the dotted line part a mountain fold and put up it on the roof of iOn / C-Zéro.



It is recommended that a warning sign (example provided above) is fixed to or on the vehicle during any emergency work on the vehicle. A sign that complies with local regulation should be used.

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2011-06

PSA PEUGEOT CITROËN 