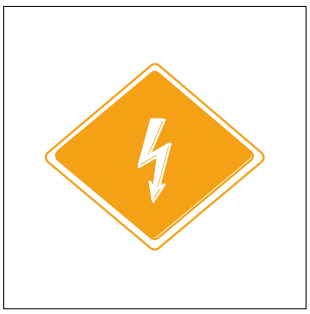
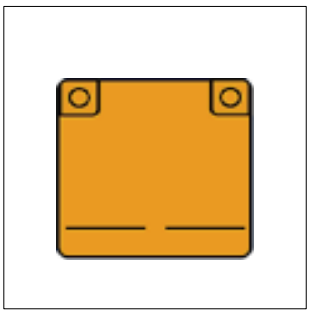
Information on the first and second rescuers

Emergency Rescue Manual



GEELY EX5
5 doors / 5 seats / SUV
Battery Electric Vehicle



Version:1.0

Contents

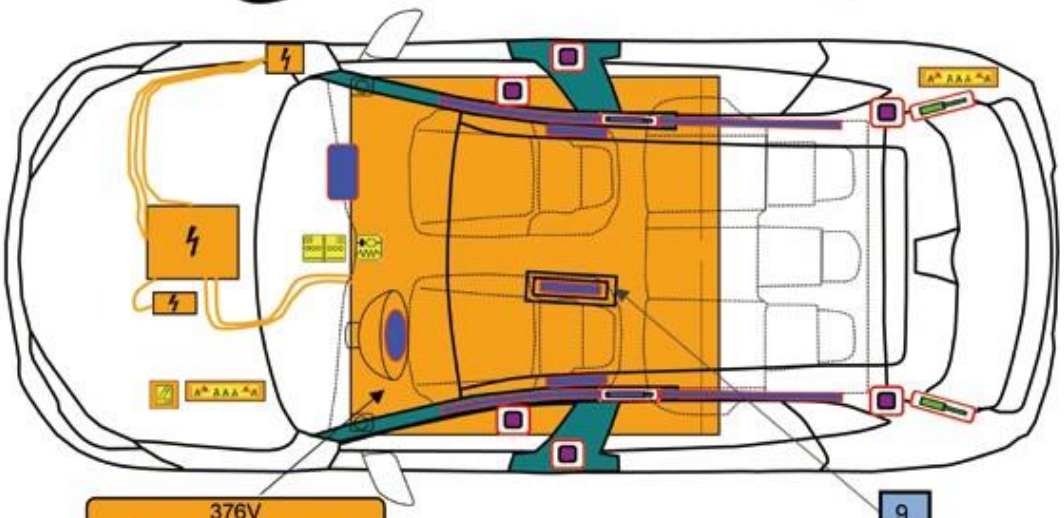
0.Rescue Sheet

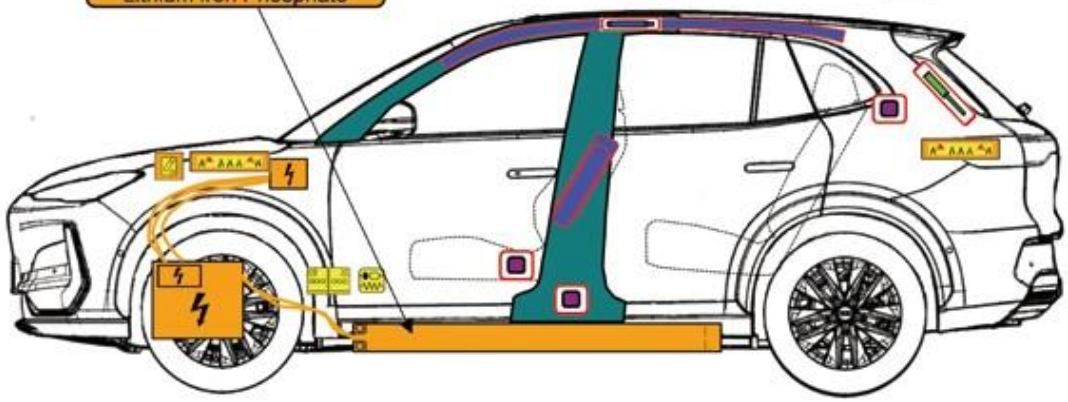
GEELY

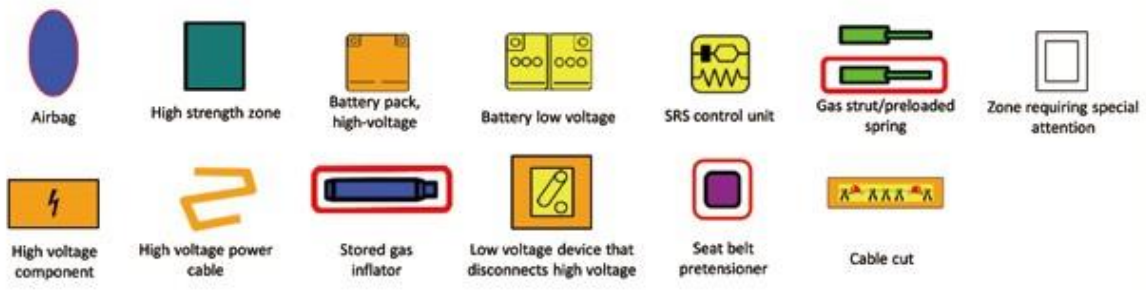
GEELY EX5

5 doors / 5 seats / SUV

From 2024







Internal reference	Version	Creation date	Page
GEELY EX5 SUV 2024 5d Electric EN	01	12/2024	1/4

1.Idendification / recognition

LACK OF ENGINE NOISE DOES NOT MEAN VEHICLE IS OFF. SILENT MOVEMENT OR INSTANT RESTART CAPABILITY EXISTS UNTIL VEHICLE IS SHUT DOWN. WEAR APPROPRIATE PPE.

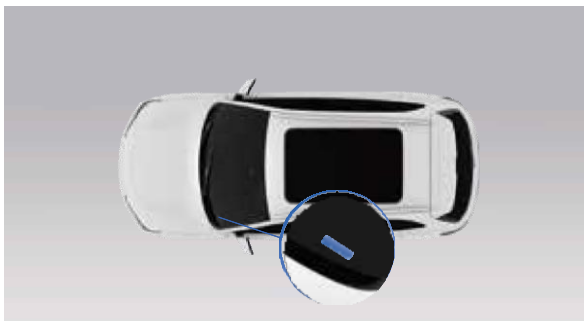
Markings and charging connection

The vehicle can be identified by the brand logo at the front and the model's name at the rear of the vehicle.

The integrated charging por is located at the right front side of the vehicle.

Vehicle identification number (VIN)

VIN is used for car information identification.The VIN is located on the instrument panel in the lower left corner of the windscreen and is visible through the windscreen.



The VIN can also be found at :

- Body cross member under the front passenger seat
- Rear door inner panel of luggage compartment
- Engine hood inner panel
- Right C-pillar inner panel
- Left rear door inner panel
- Left front door inner panel
- Right B-pillar inner panel
- Lower end of left side A-pillar
- Lower end of right side A-pillar

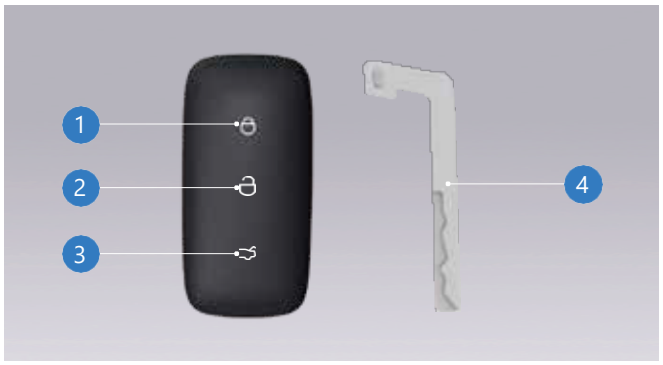
Display

There is an instrument cluster at the front of the steering wheel and a central display screen on the center of the dashboard.

Please refer to the user manual for details.

Key

The car surports smart key to unlock, lock and start the car.



1.Locking / locating button

2.Unlocking button

3.Trunk button

4.Mechanical emergency key

2.Immobilisation / stabilisation / lifting

Fixing

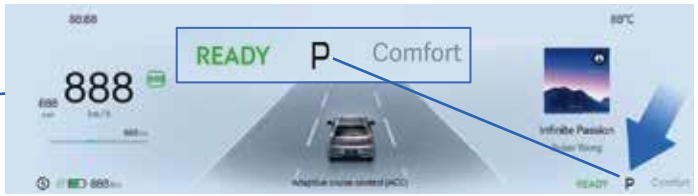
1. Wedge the wheels

When it is necessary to fix the car , shift the gear lever to park (P) position and wedge the wheel with appropriate items or tools to prevent the car from sliding and causing an accidident.

Never damage the high voltage battery when fixing the car.

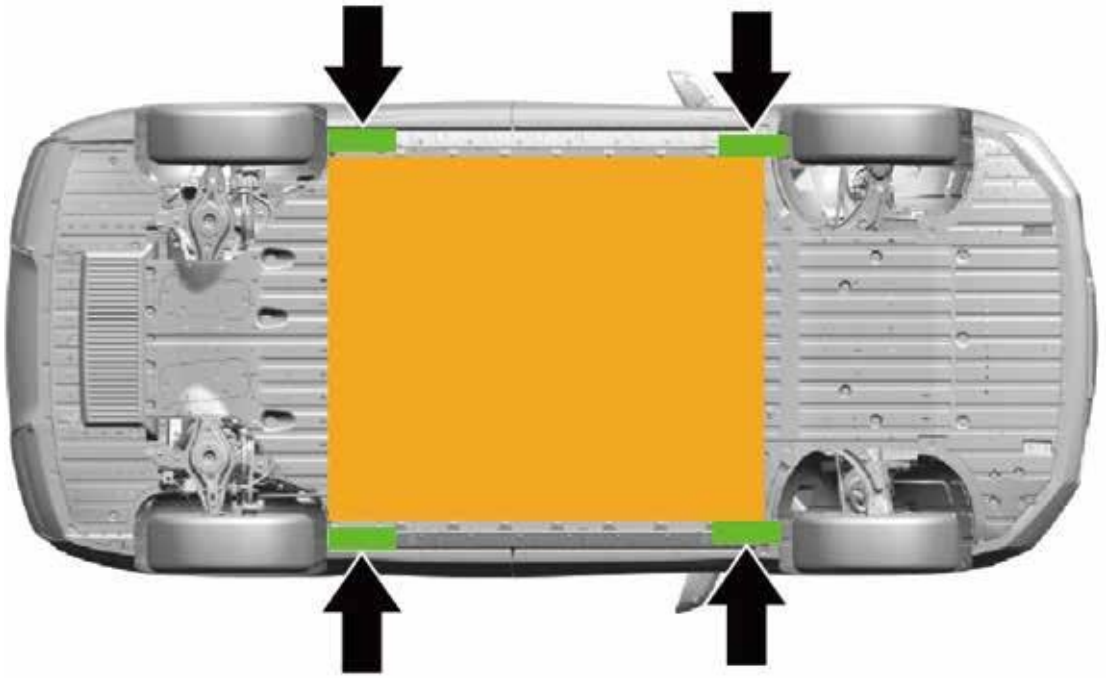
2. Shift the gear lever to to the park (P) position.

To ensure that electronic parking brake (EPB) works properly, press the P button on the shift lever. When the gear lever is in P position, the P gear indicator on the instrument cluster will be illuminated.



Stabilizing / lifting point

The high voltage battery is located at the bottom of the car and occupies large mounting surface. When it is necessary to stabilize or lift the car, it must be stabilized or lifted at the specified lifting point (green area in the figure).



Appropriate stabilisation-lifting points

High voltage battery

Never damage the battery pack when stabilizing / lifting the car.

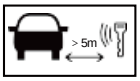
Rescue personnel must follow the relevant requirements of their country or region, receive professional training and be equipped with relevant equipment, and be familiar with the vehicle lifting points before lifting or operating the vehicle. Ensure to avoid high-voltage batteries or other high-voltage components when lifting or operating the vehicle.

3.Disable direct hazards / safety regulations

Be sure to wear appropriate personal protective equipment before touching any high voltage components.

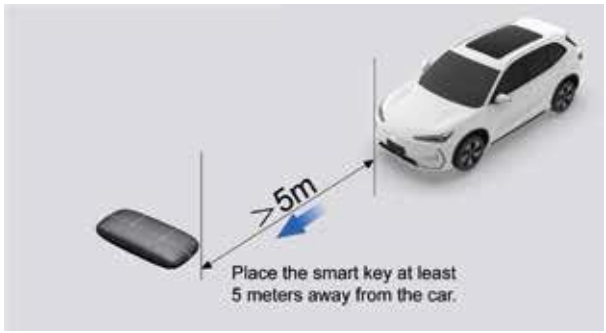
If any damage is found in the high voltage components, be sure to wrap the damaged parts with the insulation tapes.

Main disabling method:



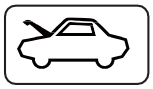
1. Click the power off button on the multimedia display screen to switch the power mode to OFF.

2. Keep the smart key at least 5m away from the vehicle to prevent accidental power on.

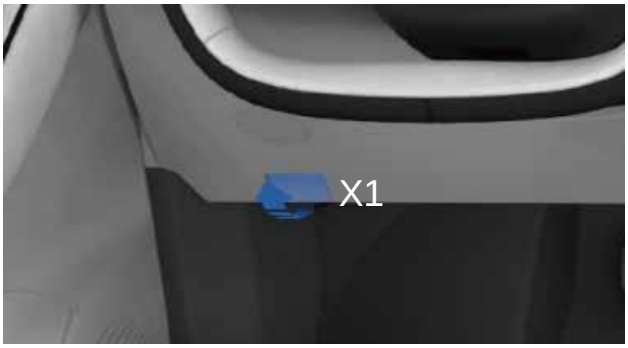


3. Open the front engine compartment cover, find the low-voltage maintenance switch and disconnect it.

Alternative disabling method 7

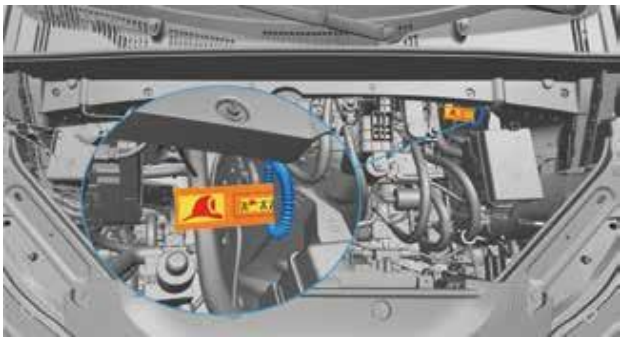


1. Pull the front hood opening handle located on the lower left side of the driver's dashboard.



2. Push the safety hook handle of the front engine compartment cover lock in the direction of the arrow in the diagram, lift the front engine compartment cover, and use the front engine compartment cover strut to support the front engine compartment cover.

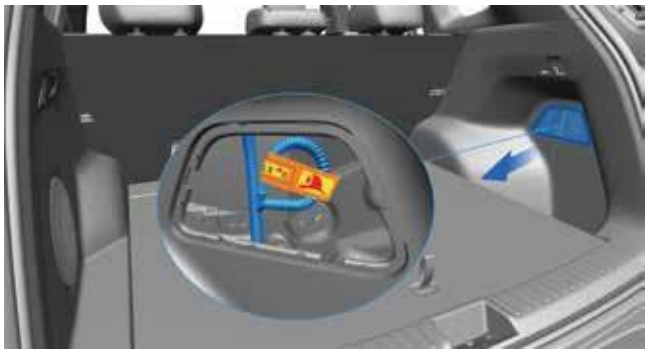
3. Use scissors or diagonal pliers to cut the cable as shown in the diagram to disconnect the high-voltage power.



Alternative disabling method 8

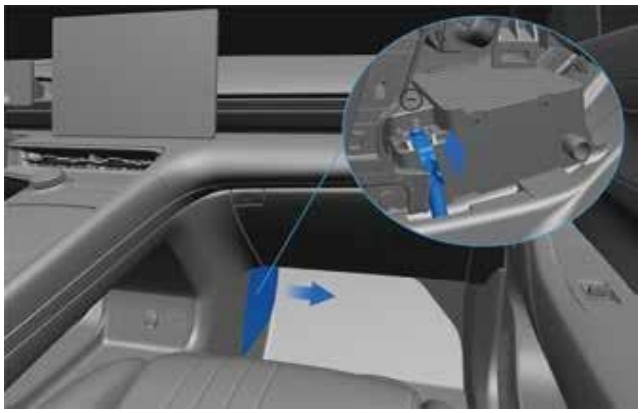
1. Press the external trunk switch to open the trunk.

2.Pry open the decorative panel located on the right side of the trunk, and use scissors or diagonal pliers to cut the cable shown in the diagram to cut off the high voltage.



Access to 12V battery:

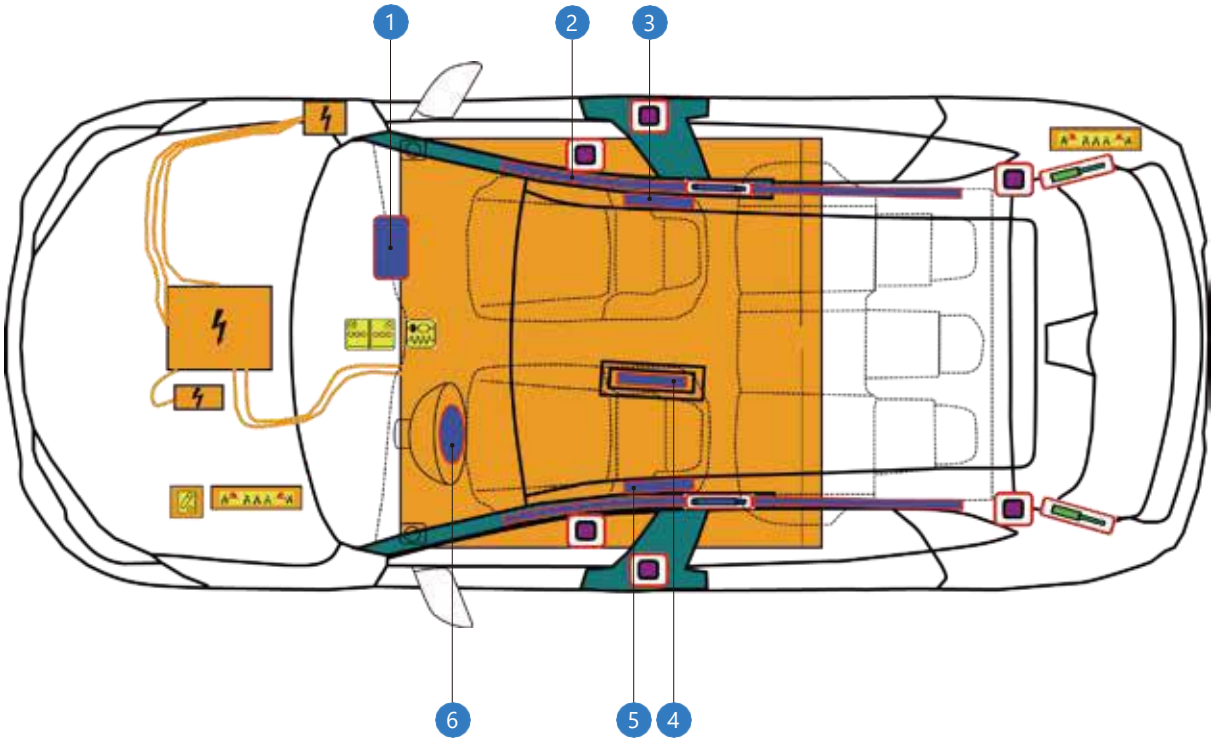
1. Open the passenger door and remove the lower decorative cover of the console.
2. Loosen the negative bolt first, and then disconnect the battery negative terminal.



Airbag

The airbag is located in the area shown below. The airbag warning signs are affixed to the sun visor and ceiling. The vehicle will cut off the high voltage in all components and cables outside the high voltage battery at the airbag deployment.

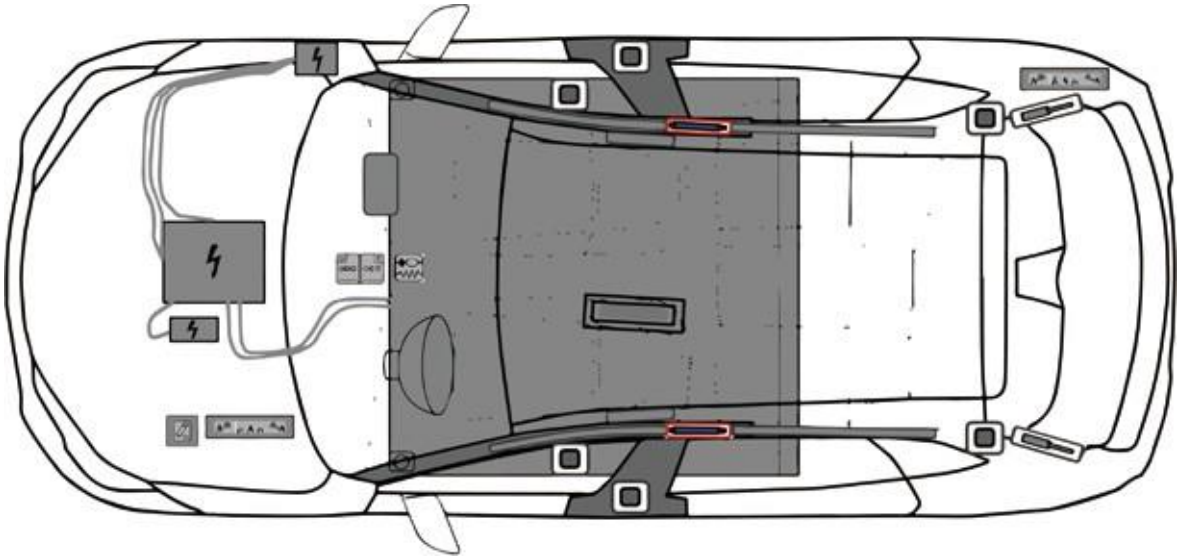
It is prohibited to cut any orange high voltage cables or service the inside of high voltage battery. Even if the high voltage system is cut off due to airbag deployment, the high voltage in the high voltage cables and components must be detected first. The cells in the high voltage battery have stored energy and must be prevented against damage caused by the rescue tool.



1. Passenger frontal airbag
2. Curtain airbag
3. Passenger side airbag
4. Far side airbag
5. Driver side airbag
6. Driver frontal airbag

Air inflater

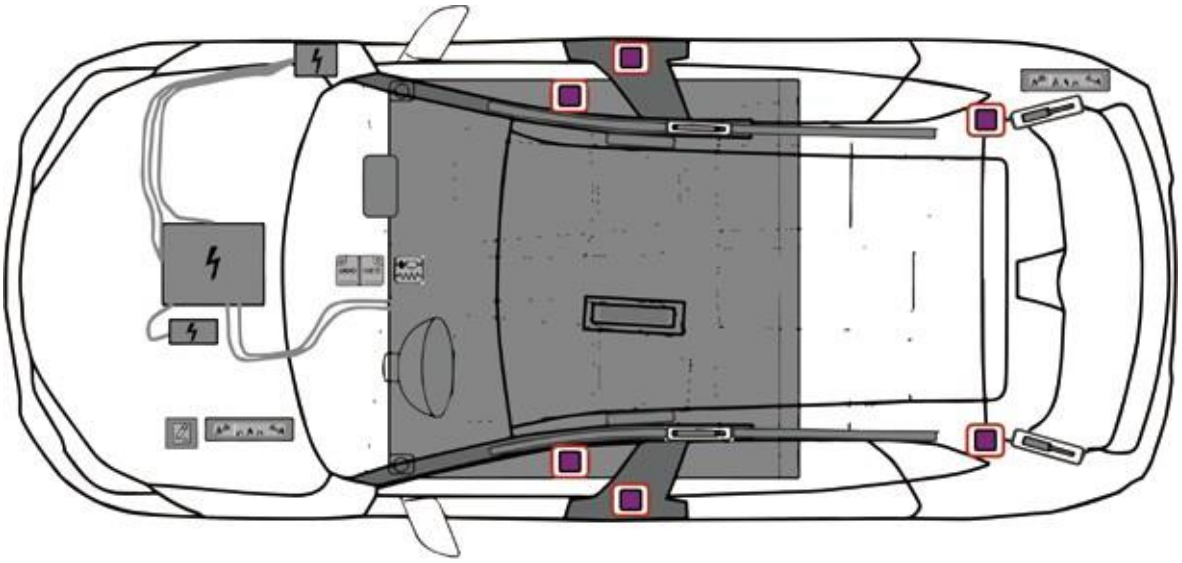
Air inflater is located on the roof.



Rescuers must not cut or crush the inflater. Cutting or compressing the inflater will cause catastrophic failure, resulting in personal injury or death.

Seat belt pretensioner

The seat belt pretensioners are located on the outside of the driver and passenger seats, at the bottom of the B-pillar, and on the outside of the second row seats.



After a collsion, the components and circuits of the seat belt pretensioner may be affected and must be checked or replaced in time.

4.Access to the occupants

WHEN THE 12V BATTERY IS DISCONNECTED, ELECTRICAL COMPONENTS CANNOT BE OPERATED.

NOTE: The power seats and power steering wheel may not function properly after a collision.

NOTE: If the doors and tailgate cannot be unlocked from the outside after a collision, appropriate rescue operations are required to access the vehicle.

Door opening from outside with power supply

When the car door is unlocked, press the front end of the door handle, and pull the back end of the door handle to open the door.

NOTE: If the door handle does not work, open the front door manually by breaking into the window and pulling the emergency handle. Refer to “Door opening from inside”.

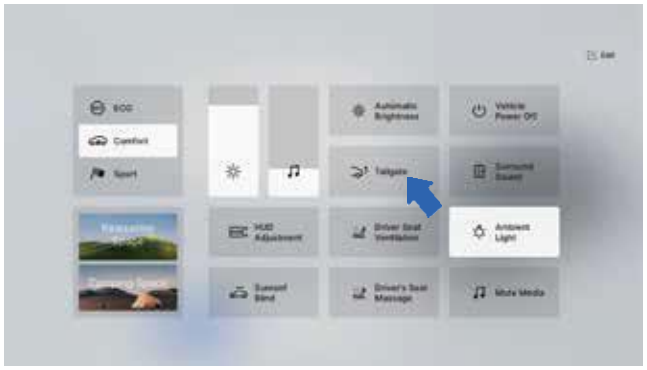
Door opening from inside

In the unlocked state of the car door, the door can be opened through the interior handle.It should be noted that in the event of a vehicle collision, the driver's or passenger's door may be damaged, and pulling the door handle may not open the door properly. At this time, you can leave the vehicle through the tailgate.

Tailgate opening with power supply

Open the tailgate using one of the following methods:

1. The trunk opens by pulling down the HiBoard and clicking the trunk button.



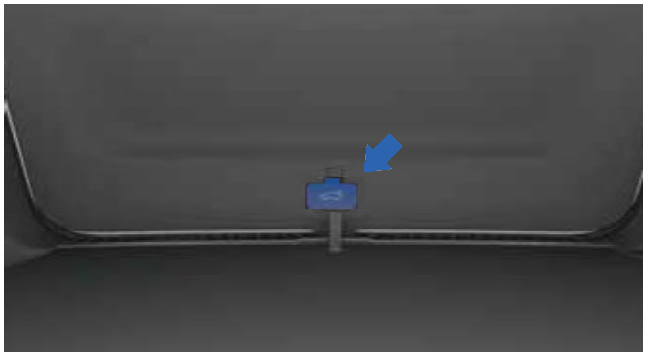
2. Press the tailgate opening switch and the tailgate will open completely.

3. When the vehicle power is in OFF or ACC, press and hold the trunk button on the smart key to unlock the trunk.

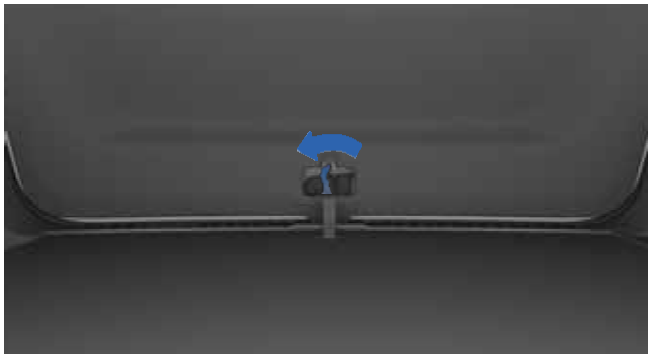
Tailgate opening without power supply

In case of emergency, open the boot lit by the following steps:

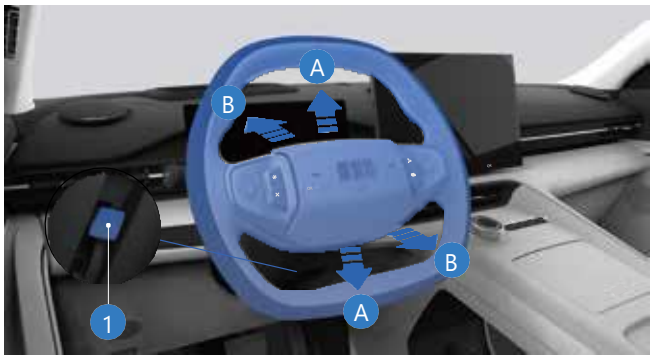
1. Flip outward to open the protective cover of tailgate emergency unlock located in the boot.



2. Flip the control lever up to unlock the tailgate, and push out to open the tailgate.



Steering wheel



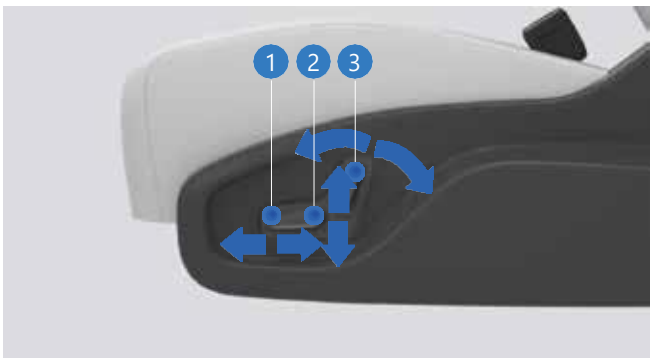
1.Steering wheel locking lever

Follow these steps to adjust the steering wheel to a suitable position:

1. Adjust to a proper driving position.
2. Turn the steering wheel to the front straight-line running position.
3. Release fully the steering wheel locking lever.
4. Use both hands to hold firmly the steering wheel abd adjust it back / forth (direction B), up / down (direction A) to the optimal position.
5. After adjusting the steering wheel to a proper position, fully fold the steering wheel locking lever to lock steering wheel in the new position.

Front seat movement with power supply

The vehicle is equipped with power seats. When the low voltage power supply is turned on, the seat position can be adjusted by operating the button located on the side of the seat near the door.The following introduction is only for the driver's seat. Please refer to the actual vehicle for the adjustment of the passenger seat.



1. Move the switch foward / backward to adjust the front and rear positions of the seat.
2. Move the rear end of the switch up / down to adjust the height of the seating washer.
3. Move the switch forward / backward to adjust the angle of the seat backrest.

High strength zone

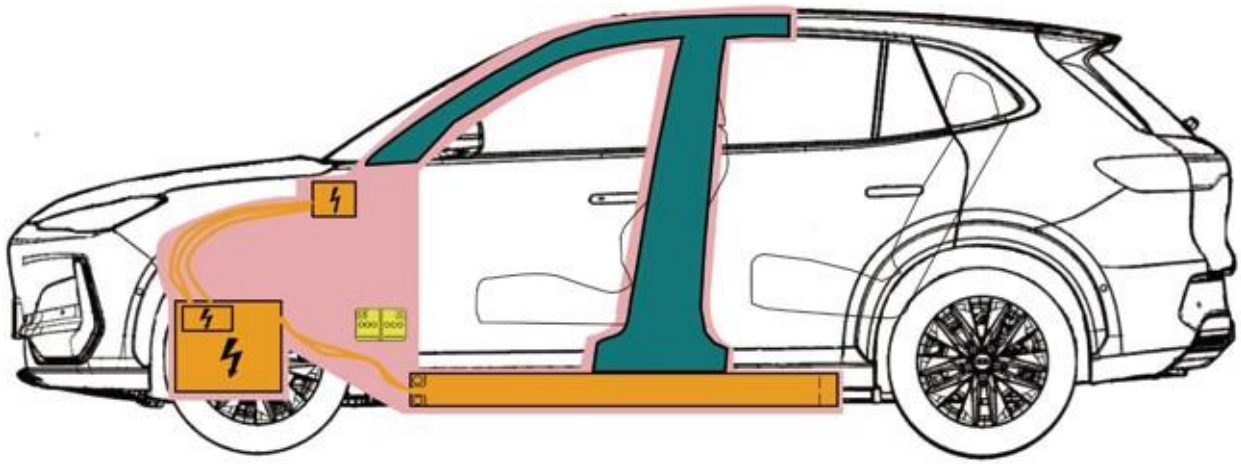
The body is strengthened to protect the driver and passengers in the event of a collision. Cutting or squeezing these areas must be done with a suitable tool. The high strength steel is shown in the figure below.

No cutting areas

Always wear appropriate personal protective equipment and use appropriate tools, such ashydraulic cutters when cutting the body. Be sure to follow these instructions, as failure to do somay result in serious injury or death.

Regardless of the high voltage cut-off method used, be sure to check the non-live status of all high voltage components! Cutting, squeezing or touching high voltage components may cause serious injury or death.

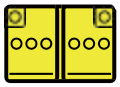
Some areas of the vehicle are defined as “No cutting areas” due to the presence of high voltage, air struts, SRS components, or other hazards. Do not cut or squeeze in these areas. Failure to do so may result in serious injury or death.
The “No cutting areas” are shown in pink.



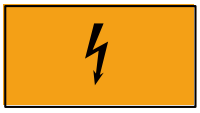
Windows

The front windscreen and sunroof are made of laminated glass.
The rear windscreen, front and rear windows are made of tempered glass.

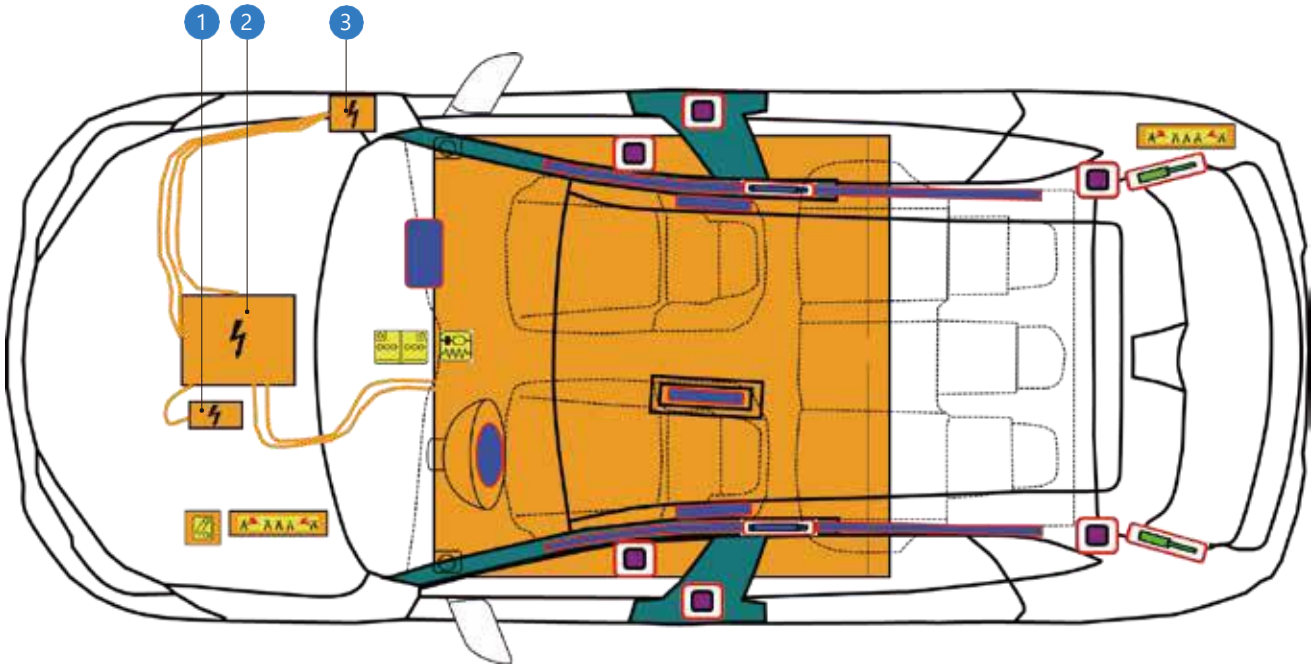
5.Stored energy / liquids / gases / solids

	**376V**	
	**12V**	
	**HFC-1234yf 650+/-20g**	

When conventional coolant leaks (check reservoir) from the high voltage (HV) battery cooling system, HV-battery can become unstable with risk of thermal runaway. An increasing HV-battery temperature might be an indicator of thermal runaway. Wear appropriate PPE.



High voltage components



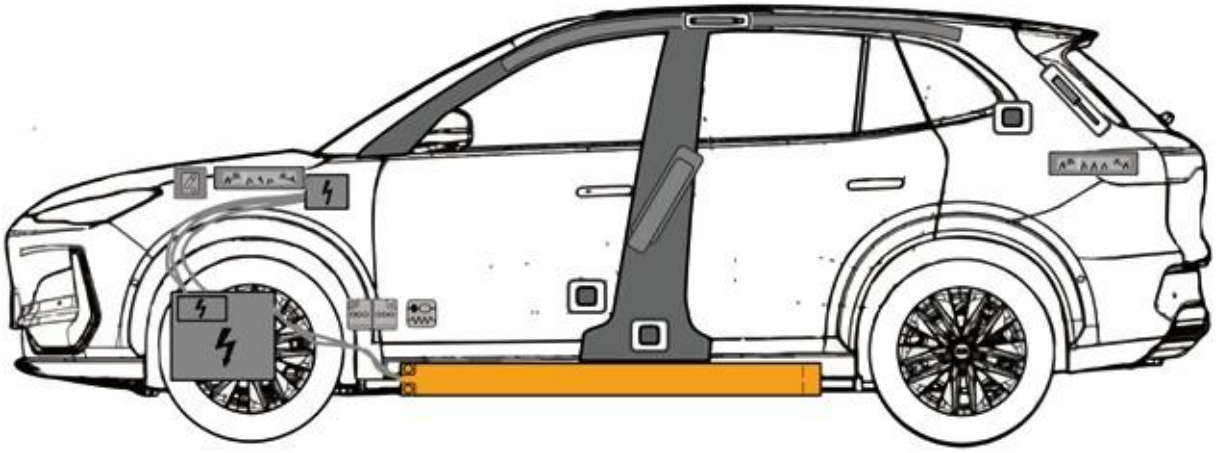
1.Air compressor

2.Front drive motor

3.Integrated charging port

High voltage battery

Do not damage the high voltage battery when removing it from the underbody. Pay special attention to prevent the high voltage battery from being damaged by the rescue tool.

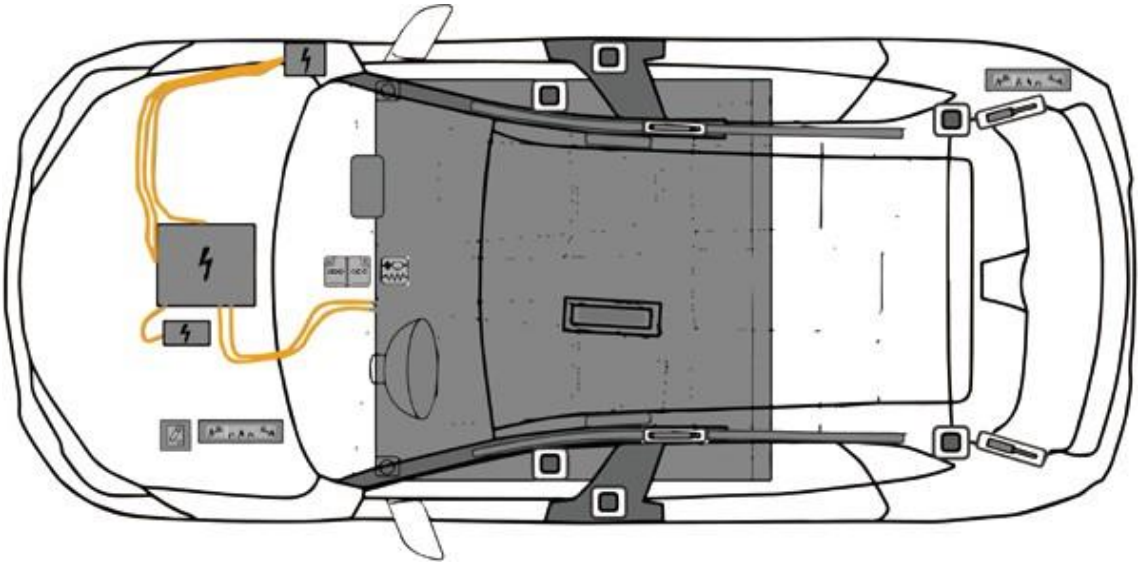


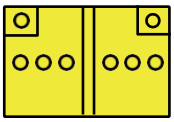
Mobile high voltage battery

The high voltage battery is located under the floor. Never move a high voltage battery inside the vehicle. Otherwise, the high voltage battery or high voltage cables may be damaged, resulting in serious injury or death. The high voltage battery pack shall not be damaged by the rescue tool at all times.

High voltage power cable

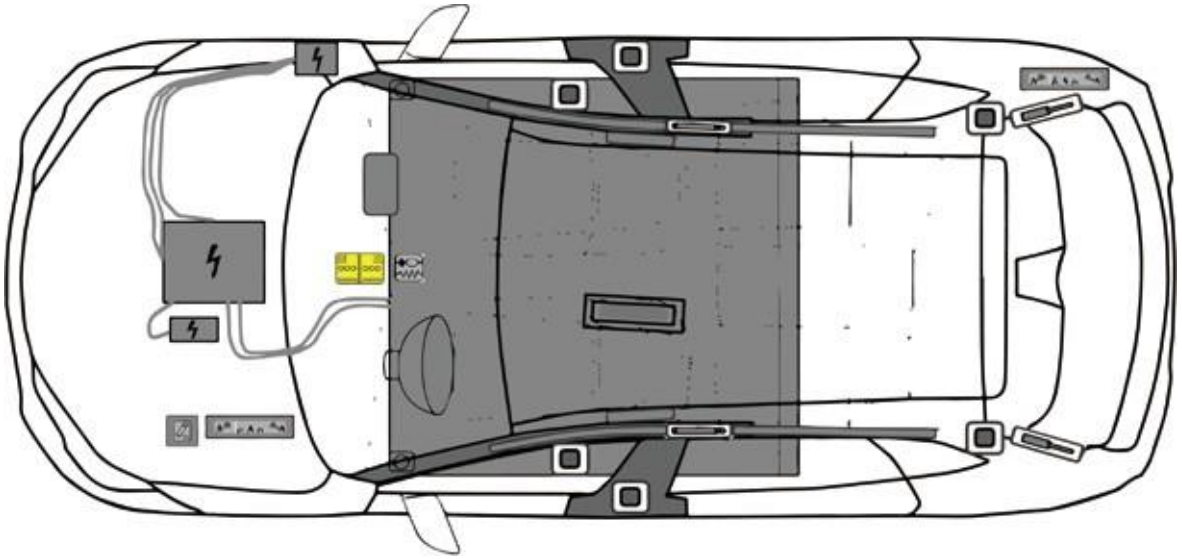
High voltage cables are shown in orange. There is a high voltage cable running through the bottom of the battery pack, and protective measures must be taken to prevent the high voltage cable from being squeezed. There may be high voltage in the orange high voltage cable which shall not be damaged by the rescue tool at any time.





12V battery

In addition to the high voltage system, the vehicle has a voltage electrical system. The 12V battery of the system supplies power to the SRS, airbags, windows, door locks, display, and interior and exterior lamps. The high voltage system charges the 12V battery which supplies power ti the high voltage contactor so that high voltage current flows into and out of the high voltage battery. The 12V battery is located below the console, for detailed information, see chapter 3 of the document.



6.In case of fire

Fire fighting

Do not immerse the vehicle in water to extinguish/cool the high voltage battery.	Use plenty of water to extinguish the fire.
High voltage battery may catch fire again!	Monitor the high voltage battery temperatrue for at least 24 hours.

If the high voltage battery catches fire, is exposed to high temperatures, or is generating heat or gas, please cool the high voltage battery with plenty of water to completely extinguish the fire and cool the battery. Be sure to get or request additional water as soon as possible. If water is not immediately available, use carbon dioxide, dry powder, or other typical extinguishing agents to extinguish the fire until water is available.

NOTE:It is not recommended to use the foam agents on electric vehicles.

Pour water directly on the high voltage battery. It is permissible to lift or tilt the vehicle to access the battery (refer to Chapter 2) provided that the safety can be ensured. Only spray the water from a safe distance if there are natural openings such as vents or openings generated by impact. Do not open the high voltage battery for cooling.

It is not recommended to place the vehicle in large containers filled with water. But it is recommended to use a thermal imaging camera or infared ray (TIC or IR) to monitor the battery temperature during cooling. Continue watering until the battery temperature is equal to or below the ambient temperatrue as indicated by the TIC.

When using a TIC, leave enough time for heat transfer from the battery to the battery case once watering has stopped.Extinguish the small fires that do not involve high voltage battery by using conventional fire extinguishing equipment.

Always wear or use appropriate insulating tools during fire extinguishing and do not touch any high voltage components.

Heat and flames can endanger the airbag inflater, air storage reservoir, air struts and other components, causing accidental over-heating and the inflater explosion. Be sure to cool down sufficiently before entering the hot zone.

It may take up to 24 hours for a high voltage battery to cool completely after a fire. After the fire has been contained and the smoke has clearly disappeared, use the TIC to measure the temperature of the high voltage battery actively and monitor the heating or cooling trends. After handing over the vehicle to the second rescuer (i.e. law enforcement officer, vehicle transporter, etc.), fire, smoke, burst/hissing or heating of high voltage battery shall not occur within at least 45 minutes. The high voltage battery must be completely cooled down before the vehicle is handed over to the second rescuer or transferred away from the accident site.

Always inform the second rescuer of the reignition risk of the high voltage battery. Advise the second rescuer to tilt the vehicle or change the position of vehicle so that the vehicle is properly positioned to allow excess water to be drained. This procedure helps to reduce the risk of reignition.

Owing that the high voltage battery may be reignited, the high voltage battery will be dangerous if the vehicle is wading, catches fire or is involved in a collision. Therefore, the high voltage battery shall be stored in open areas at least 50 feet (15m) from all exposed points.

The vehicle shall be considered to be energized during all fire fighting activities. Always wear full personal protective equipment, including self-contained breathing apparatus (SCBA).

High voltage battery - fire damage

Similar to conventional and other electric and hybrid vehicles, battery fires will release superheated gases and toxic vapours. Such releases may include volatile organic compounds, hydrogen, carbon dioxide, carbon monoxide, soot, particles containing nickel, aluminium, lithium, copper, cobalt and hydroxides of fluoride. Rescuers must wear full personal protective equipment (including SCBA) to protect themselves and take appropriate measures to protect civilians from accidents.

The high voltage battery consists of lithium-ion cells. If damaged, only a small amount of liquid will leak.

The high voltage battery and drive motor are cooled down by a mixture of ethylene glycol and water. If damaged, blue coolant may leak from the voltage battery.

Damage to the high voltage battery will cause the cells to heat up rapidly. If the smoke, vapour, burst or hissing is produced from the high voltage battery, it indicates that the battery is overheated, and appropriate measures described above shall be taken immediately.

7.In case of submersion

Handling a submerged vehicle without the appropriate PPE can result in severe injury or death.

Due to the potential risk of high voltage battery fire, the first rescuer shall be more careful and prepared to deal with potential fire risks when handling wading vehicles. Lift the front part of the vehicle to allow water to be drained from the vehicle and the high voltage battery pack. After removing the vehicle from the water, continue to perform the normal disconnection procedures specified in Chapter 3.

8.Towing / transportation / storage

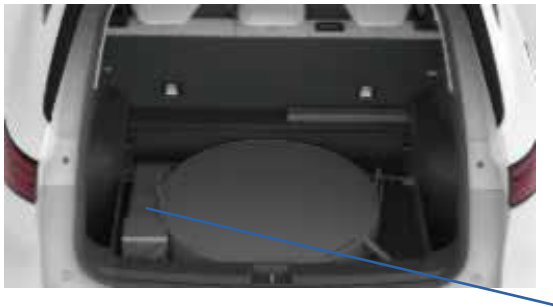
All four tyres shall be off the ground and shall not be rotated at all times during transport.

Never transport a car in a manner where the tyres may rotate. Failure to do so can cause serious damage and overheating. In worse cases, extreme overheating may cause surrounding components to catch fire.

Do not tow a vehicle with the wheels on the ground. It is recommended to place the vehicle on a flatbed truck for towing. The vehicle may be damaged if it is towed by incorrect towing methods or improper towing equipment.

The high voltage components equipped in the vehicle may be damaged due to impacts. It is important to check the non-live status of these components before transport. Follow high voltage safety precautions (wearing personal protective equipment, etc.) until the emergency service professional has assessed the vehicle and can cinfiem that all high voltage systems are in non-live status. Failure to do so may result in serious injury.

Recovery hook storage



or

Location front hook

Location rear hook

STORE VEHICLE IN AN OPEN-AIR PARKING AT A SAFE DISTANCE ≥ 5M FROM OTHER OBJECTS OR VEHICLES.

POTENTIAL RISK OF HV-BATTERY FIRE RE-IGNITION / DELAYED FIRE! WEAR APPROPRIATE PPE.

9.Important additional information

This document contains important instructions and warnings that must be observed when handling a vehicle in an emergency.

Be sure to use appropriate rescue tools and wear appropriate personal protective equipment. Failure to follow these instructions may result in serious injury or death.

Regardless of the disconnecttion procedure used, be sure to check the non-status of all high voltage components! Cutting, squeezing or touching high voltage components may cause serious injury or death.

Rescue of wading vehicles without proper personal protective equipment may result in serious injury or death.

In case of fire, the complete vehicle is considered to be energized. Be sure to wear full personal protective equipment (including SCBA).

When disconnecting the low voltage maintenance switch, double disconnect the circuit to remove the entire part, as thisaction can eliminate the risk of accidental reconnection of the disconnected wires.

Isolate the high voltage power supply from the battery when using the high voltage cut-off method recommended in this document. The high voltage battery is always energized.

Never leave the wheels on the ground when transporting a vehicle. Failure to do so can cause serious damage and overheating. In worse cases, estreme overheating may cause surrounding components to catch fire.

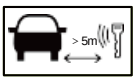
The far side airbag

Driver’s seat has a far side airbag in addition to the side airbag.

Contact us

In case of emergency, please contact the first and second rescuers by calling the Geely rescue hotline in your area.

10.Explanation of pictograms used

	Electric vehicle		Air-conditioning component		Acute toxicity
	Warning, Electricity		Flammable		Remove smart key
	General warning sign		Hazardous to the human health		Seat height adjustment
	Use water to extinguish the fire		Corrosives		Seat adjustment, longitudinal
	Use thermal Infrared camera		Explosive		Steering wheel, Tilt control
	Bonnet		Environmental hazard		Warning; low temperature
	Boot		In some working conditions, infrared (IR) devices are referred to as thermal imaging cameras (TIC).		