

HYPTEC HT

Emergency Rescue Manual



The illustrations in this manual are for reference only. The actual vehicle configurations shall prevail.

In case of emergency, please hand over this manual to professional rescuers.

1 Product information

1.1 Exterior identification information



There are two logos indicating the identity of the electric vehicle, namely the front logo and the rear logo.

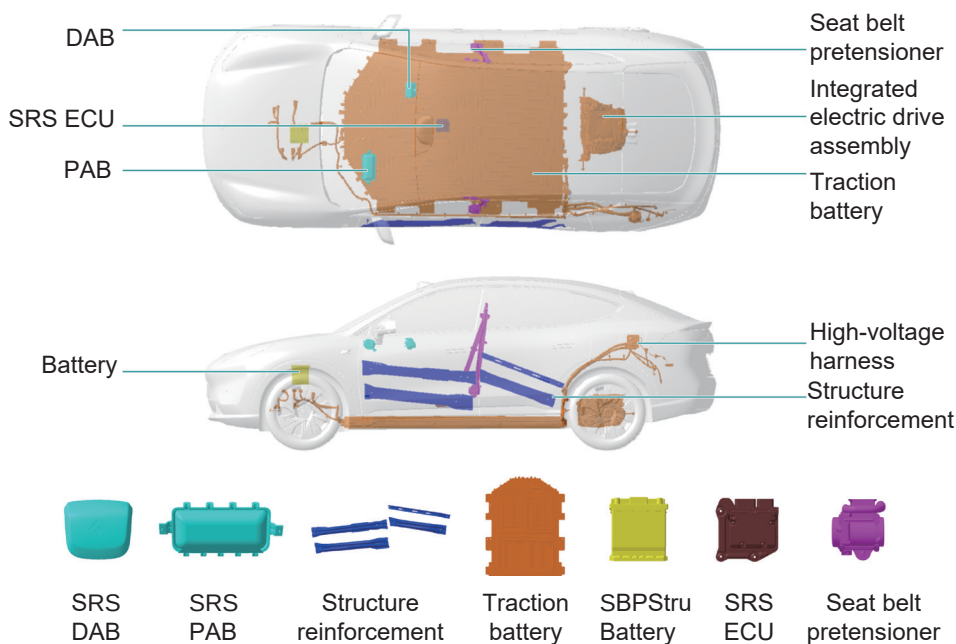
1.2 Basic parameters of vehicle

Vehicle category		Pure electric passenger vehicle
Overall dimensions (mm)	Length	4,935
	Width	1,920 (excluding exterior rearview mirrors)
	Height	1,700
Wheelbase (mm)		2,935
Seating capacity (person)		5
Gross vehicle weight rating (kg)		2,680/2,580

1.3 Vehicle manufacturer information

Manufacturer: GAC AION New Energy Automobile Co., Ltd.

1.4 Powertrain information

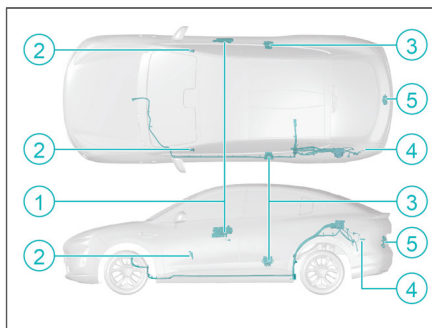


Battery cell	Type		LFP battery	LFP battery	NCM battery
	Rated voltage (V)		3.13	3.12	3.7
	Rated capacity (A·h)		130.5	185	64.4
Power battery system	Rated voltage (V)		638.5	393.12	622
	Rated capacity (A·h)		130.5	185	128.8
	Number of traction battery packs (piece)		1		
	Battery pack size (mm)	Length	2,170.4±5	2,170.4±5	2,170±10
		Width	1,648±5	1,648±5	1,648±10
		Height	155±5	128±2	219±5
	Battery pack weight (kg)		605±18	488±14	490±15

1.5 Emergency device information

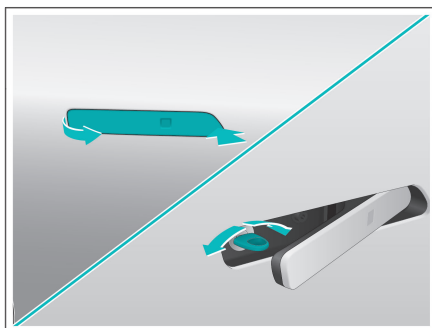
Distribution of emergency devices

- ① Mechanical key unlocking/locking device
- ② Emergencyunlocking of non-gull-wing doors
- ③ Emergency unlocking of gull-wing doors
- ④ Charger emergency unlocking device
- ⑤ Trunk emergency unlocking device



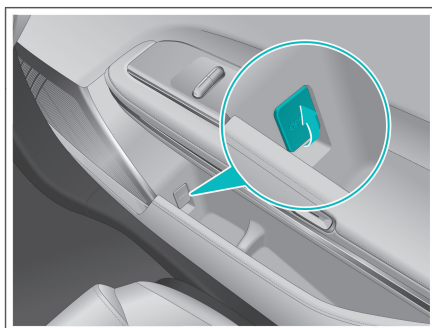
Mechanical key unlocking/locking device

1. Pop out the hidden door handle.
2. Insert the emergency mechanical key into the keyhole, and turn it to unlock or lock the door.



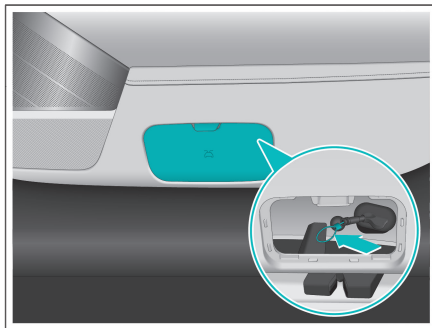
Emergency unlocking of non-gull-wing doors

Pull the door emergency unlocking device to unlock the door.



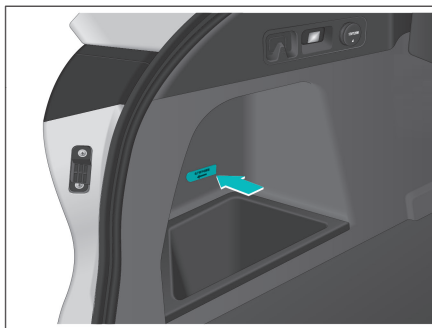
Emergency unlocking of gull-wing doors

1. Remove the emergency unlocking port cover from the door panel.
2. Pull the manual unlocking cable to unlock the door.



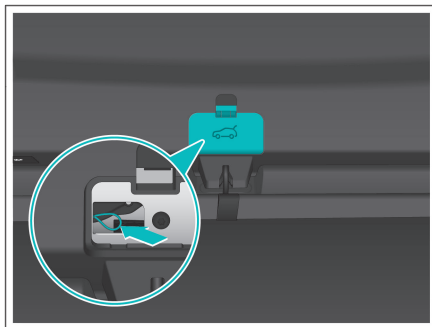
Charger emergency unlocking device

1. Open the trunk.
2. Pull the charger manual unlocking cable in the left trunk guard plate to unlock the charger.

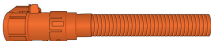


Trunk emergency unlocking device

1. Fold the rear seat back to enter the trunk area.
2. Remove the trunk emergency unlocking port cover from the trunk guard plate.
3. Pull the trunk manual unlocking cable to unlock the trunk.



2 Safety sign information

No.	Safety sign name	Safety sign illustration	Safety sign meaning
1	High voltage warning sign		Danger of high voltage! Do not touch the high-voltage component.
2	Warning sign of high-voltage components		For high-voltage components, read the instructions carefully during operation; pay attention to danger and beware of electric shock.
3	Battery pack label		The battery pack is a high-voltage component and should be kept away from ignition sources. Stepping on it, spraying it and hitting it are prohibited to avoid leakage of corrosive chemicals, fire or explosion; read the instructions carefully when handling it, wear goggles and insulating gloves and observe environmental regulations.
4	High-voltage harness identification		The orange harness is high-voltage; pay attention to danger and beware of electric shock.

3 Emergency rescue procedure information

3.1 Emergency rescue tools

Emergency rescue tools mainly include emergency rescue supplies, emergency tools, warning supplies, breaking-in tools, and medicines.

The vehicle powertrain is driven by traction battery, which may cause high-voltage leakage or electrolyte leakage in case of a serious collision. The traction battery should be handled by a professional rescuer wearing corresponding protective devices to ensure personal safety during rescue.

Protective devices are mainly divided into electrical protective devices and chemical protective devices.

- Electrical protective devices to avoid high-voltage electric shock injury mainly include rubber insulating gloves, goggles, insulating rubber shoes, and tools with insulating sleeves.
- Chemical protective devices in case of battery leakage mainly include protective masks and solvent insulating gloves.

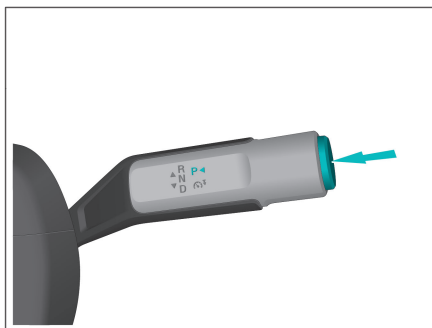
In the event of an accident with an electric vehicle, especially when the battery is broken or burning, in addition to the danger of electric shock, a large amount of toxic and harmful gases will be released. To ensure the safety of rescuers, personal protective equipment should be equipped as follows:

- When dealing with fire accidents, rescuers should wear a full set of personal protective equipment and respiratory protective equipment where possible.
- When dealing with collision and wading accidents, rescuers should wear a full set of electrical insulation equipment where possible, and wear necessary protective equipment for wading rescue.

Further information can be found in the professional rescue guidelines and rescuers must follow the relevant safety information.

3.2 Parking operations

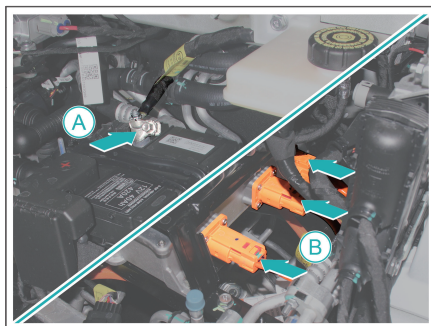
1. Depress the brake pedal and stop the vehicle smoothly.
2. After the vehicle comes to a full stop, press the "P" button to shift to "P" gear. Then EPB will be automatically enabled.
3. After parking, take away all the keys in the vehicle, close all the doors, and leave the vehicle. The vehicle power supply will be automatically switched off.



3.3 High voltage cut-off procedures

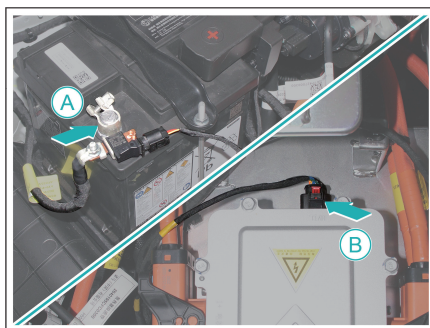
High voltage cut-off procedure for models without high-voltage electrical box

1. Turn off the vehicle power supply.
2. Open the hood, disconnect the negative battery cable (as shown by arrow A) and wait for several minutes.
3. Locate the integrated power supply and remove the orange high-voltage harness connector connected to the high pressure liquid heater or the water heater or the A/C compressor (as shown by arrow B).
4. Insulate the high-voltage harness connector and the negative battery terminal, e.g. with insulating tape, to avoid short circuits.



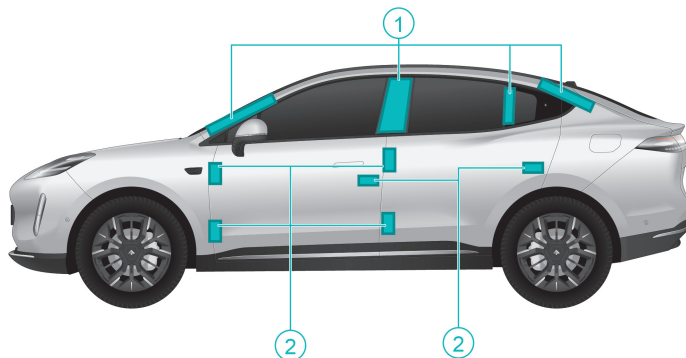
High voltage cut-off procedures for models with high-voltage electrical box

1. Turn off the vehicle power supply.
2. Open the hood, disconnect the negative battery cable (as shown by arrow A) and wait for several minutes.
3. Locate the low-voltage harness connector of the high-voltage electrical box (as shown by arrow B), and unplug this connector.
4. Insulate the negative battery terminal to avoid short circuits.



Wear a full set of electrical insulation equipment when cutting off high voltage.

3.4 Cuttable area



① Cuttable areas

It is recommended that professionally trained rescuers use modern high-performance shears to cut the vehicle body.

② Non-cuttable areas

The reinforced structure areas of the vehicle are not cuttable, such as door hinges, door locks, etc.

Cutting is prohibited in high-temperature, high-voltage areas of the vehicle, such as traction battery, the drive motor, the electric compressor, the power distribution unit, the water heater, the integrated power supply system, and orange high-voltage harnesses.

Further information can be found in the professional rescue guidelines and rescuers must follow the relevant safety information.

3.5 Wading rescue

The wading rescue procedures for EVs are as follows:

1. Identify the vehicle, investigate environmental conditions, and determine the rescue scheme after evaluation;
2. Provide safety protection for rescuers;
3. Locate the traction battery and high-voltage components;
4. Rescue trapped people, and if no one is trapped, directly handle the vehicle;
5. Clean up the site.

Persons in the vehicle should leave the vehicle and evacuate to a safe place immediately if they can do so on their own.

3.6 Fire rescue

The fire rescue procedures are as follows:

1. Set up a warning sign;
2. Identify the vehicle and determine the fire extinguishing scheme after evaluation;
3. Provide safety protection for rescuers;
4. Secure the vehicle after the fire is extinguished;
5. If necessary, cut off power supply;
6. Clean up the site.

When the instrument cluster displays a message "Park safely and leave immediately" and sends a buzzer sound, immediately park the vehicle and stay away from the vehicle.

In case of a fire, do not touch any part of the vehicle directly. It should be handled by a professional rescuer wearing correct protective equipment.

The inflator in the airbag may expand or even explode due to heat in high temperature environment. Please be careful before handling it to avoid personal injury.

3.7 Towing after an accident

When the vehicle cannot be started normally after an accident, transport the vehicle smoothly with four wheels off the ground instead of rigid towing by the four wheels on the ground.

When the vehicle is temporarily parked in a safe area, an obvious sign such as a warning triangle should be set to remind other road users.

The vehicle can only be towed away from the site on the premise of ensuring that there is no safety risk. If the vehicle's battery pack is deformed, leaking fluid, or smoking, the safety risk should be addressed first.

