



AION ES

Emergency Rescue Manual

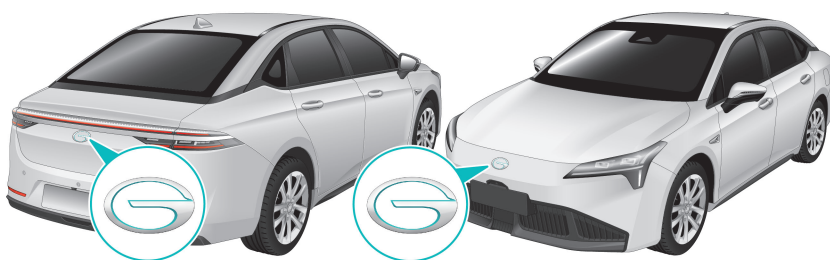


The illustrations in this manual are for reference only.

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

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

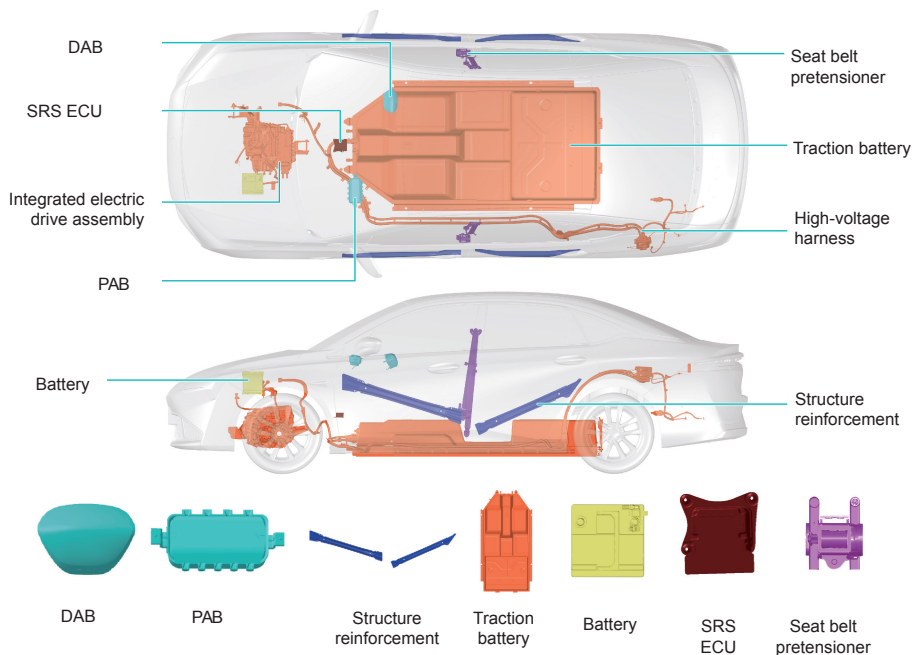
Vehicle category		Battery electric passenger vehicle
Overall dimensions (mm)	Length	4768, 4805
	Width	1880
	Height	1545
Wheelbase (mm)		2750
Seating capacity (person)		5
Gross vehicle weight rating (kg)		2060

1.3 Vehicle manufacturer information

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



1.4 Powertrain information



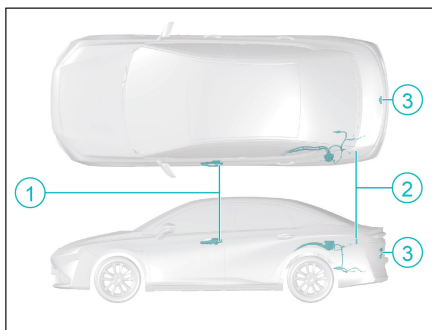
Battery cell	Type		LFP battery
	Rated voltage (V)		3.2
	Rated capacity (A·h)		169
Traction battery system	Rated voltage (V)		352
	Rated capacity (A·h)		169
	Number of high-voltage battery packs (pcs)		1
	Battery pack size (mm)	Length	2133 ± 3
		Width	1076 ± 3
		Height	305 ± 3
	Battery pack weight (kg)		424 ± 12



1.5 Emergency device information

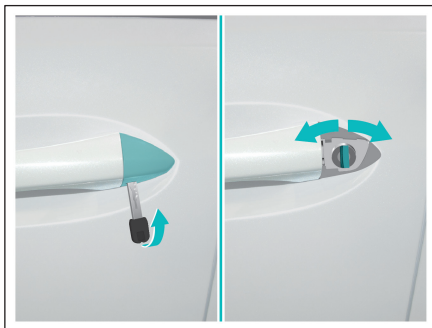
Distribution of emergency devices

- ① Mechanical key unlocking/locking device
- ② Charger emergency unlocking device
- ③ Trunk lid emergency unlocking device



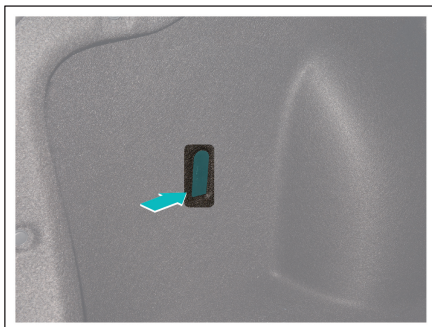
Mechanical key unlocking/locking device

1. Take out the mechanical key from the smart key.
2. Insert the mechanical key into the notch on the trim cover of mechanical lock of left front door, gently pry the trim cover outwards, pull the door outside handle and remove the trim cover (if equipped).
3. Insert and turn the mechanical key to unlock or lock the door.



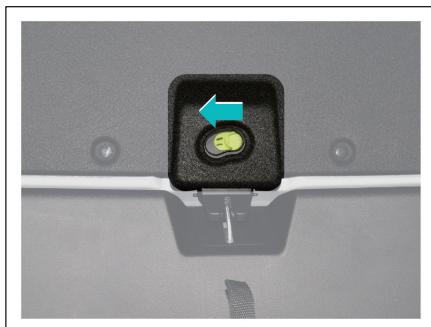
Charger emergency unlocking device

1. Open the trunk lid. The charger electronic lock manual unlocking cable is installed in the trunk left guard plate.
2. Pull the charger manual unlocking cable to unlock the charger.

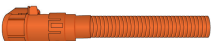


Trunk lid emergency unlocking device

1. Fold the rear seat back to enter the trunk area.
2. Move the unlocking button in the direction of arrow as shown in the figure to open the trunk lid.



2 Safety sign information

S/N	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 high-voltage harness is orange; 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 materials, emergency tools, warning supplies, breaking-in tools, medicines, etc.

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 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, tools with insulating sleeves, etc.
- Chemical protective devices in case of battery leakage mainly include protective masks and solvent insulating gloves.

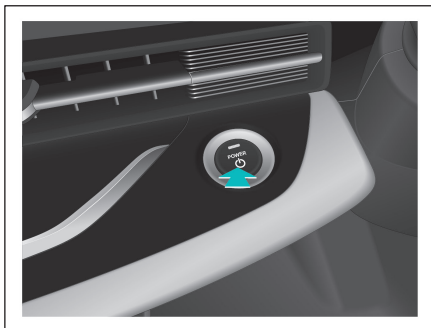
In the event of an accident with an electric vehicle, especially when the battery is broken or burning, in addition to the danger of electric shock, a large amount of toxic and harmful gases will be released. To ensure the safety of rescuers, personal protective equipment should be equipped as follows:

- 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.

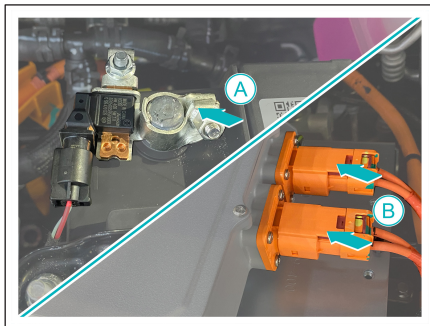
3.2 Parking operations

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 into "P" gear. Then the EPB is automatically enabled.
3. Press the POWER ON/OFF button to "OFF" position.



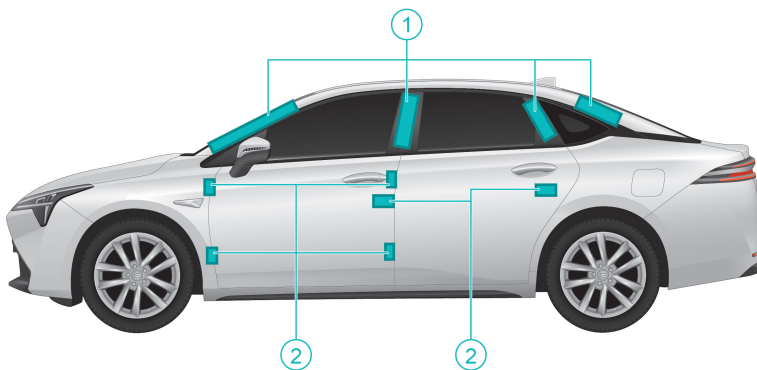
3.3 High voltage cut-off procedure

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



Wear a full set of electrical insulation fittings 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, drive motor, electric compressor, power distribution unit, water heater, integrated power supply system, orange high-voltage harness.

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 procedure for EVs is as follows:

1. Identify the vehicle, investigate environmental conditions, and determine 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 procedure is 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 “Safe parking, emergency leaving” 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 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 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 smoking, etc., the safety risk should be addressed first.



