



Second-generation **AION V**

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

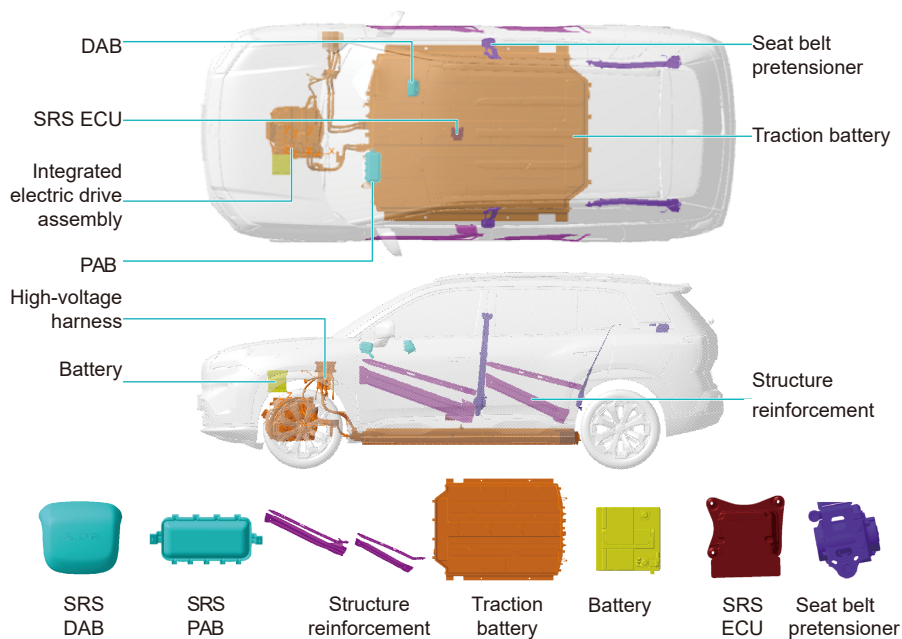
Vehicle category		Battery electric passenger vehicle	
Overall dimensions (mm)	Length	4605	
	Width	1854/1876	
	Height	1660/1686	
Wheelbase (mm)		2775	
Seating capacity (person)		5	
Gross vehicle weight rating (kg)		2350	2280

1.3 Vehicle manufacturer information

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



1.4 Powertrain information

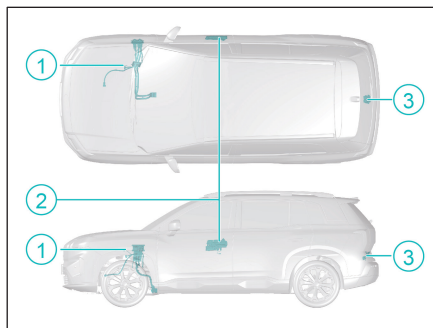


Battery cell	Type		LFP battery	
	Rated voltage (V)		3.14	3.14
	Rated capacity (A·h)		214	214
Traction battery system	Rated voltage (V)		351.68	301.44
	Rated capacity (A·h)		214	214
	Number of traction battery packs (piece)		1	
	Battery pack size (mm)	Length	1964.5 ± 10	1765.8 ± 10
		Width	1496 ± 10	1496 ± 10
		Height	177 ± 10	142 ± 10
	Battery pack weight (kg)		520 ± 15	455 ± 13.7

1.5 Emergency device information

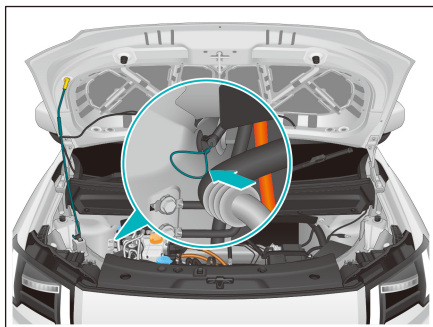
Distribution of emergency devices

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



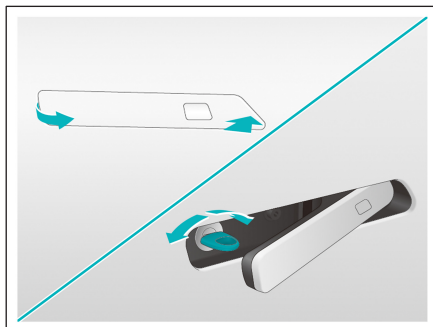
Charger emergency unlocking device

1. Open the hood and support it firmly with the stay bar.
2. Pull the charger manual unlocking cable to unlock the charger.



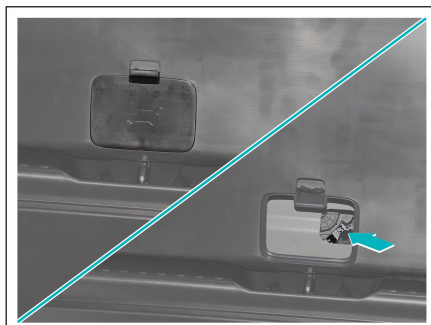
Mechanical key unlocking/locking device

1. Press the front side of the door handle so that the rear side extends out.
2. Insert and turn the mechanical key to unlock/lock the door.



Liftgate emergency unlocking device

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



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.

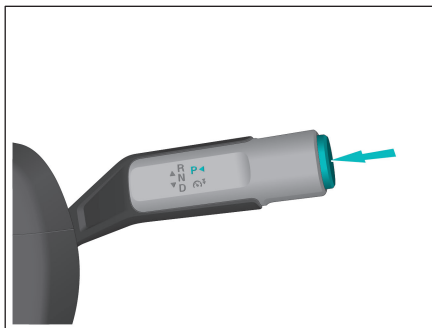
In the event of an accident with an electric vehicle, especially when the battery is broken or burning, in addition to the danger of electric shock, a large amount of toxic and harmful gases will be released. To ensure the safety of rescuers, personal protective equipment should be equipped as follows:

- 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.

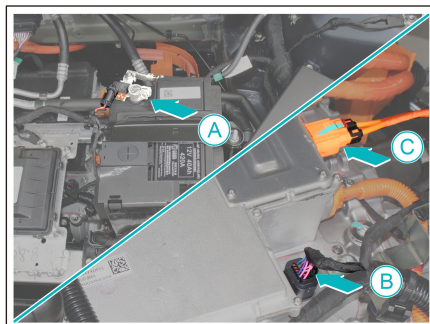
3.2 Parking operations

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 to “P” position. Then the EPB is automatically enabled.
3. After parking, leave the vehicle with all the keys in the vehicle and close all the doors. The vehicle power supply will be automatically switched off.



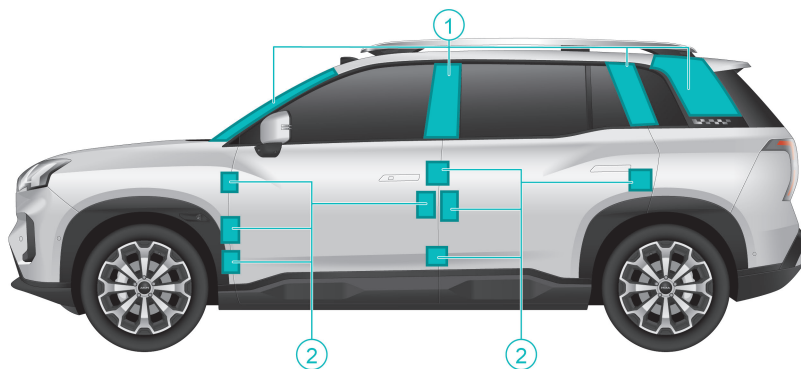
3.3 High voltage cut-off procedure

1. Turn off the vehicle power switch.
2. Open the hood, disconnect the negative battery cable (arrow A) and wait for several minutes.
3. Locate the integrated electric drive assembly, and first remove the low-voltage connector (arrow B) and then orange high-voltage connector (arrow C).
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.



