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## **Vehicle Information**

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- 4 *Basic Vehicle Information*
  - 6 *Visual Identification Information*
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# Vehicle Information

## Basic Vehicle Information



Item, units	Parameter
Overall length, mm	4314
Overall width, mm	1809
Overall height (unladen), mm	1620(Body height) 1644(including luggage rack)
Wheelbase, mm	2585
Front overhang, mm	913

Item, units	Parameter
Rear overhang, mm	816
Front wheel track, mm	1526
Rear wheel track, mm	1539
Minimum ground clearance (laden), mm	124.9
Minimum turning circle diameter, m	11.2

# Vehicle Information

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*Note: Rearview mirror and the deformed portion of tyre wall directly above the touchdown point are not included in the overall width.*

1

## Weights

Item, units	Parameter
Person in cab, person	5
Unladen vehicle weight (kerb), kg	1518
Gross vehicle weight, kg	1950
Unladen front axle weight, kg	880
Unladen rear axle weight, kg	638
Laden front axle weight, kg	987
Laden rear axle weight, kg	963

# Vehicle Information

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## Visual Identification Information

The mark indicating the identity of the electric car is located on the tailgate (as shown below).



## **High-voltage System**

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8 *Power System Information*

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# High-voltage System

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## Power System Information

### Power System



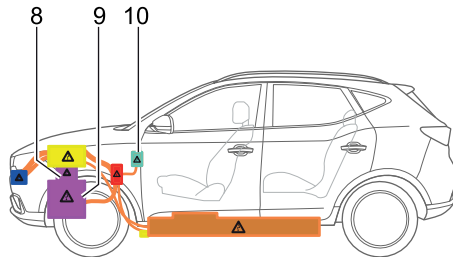
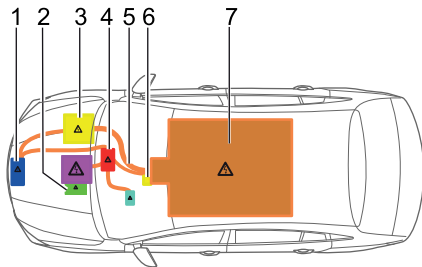
- *There are two kinds of high voltage (AC and DC) in the vehicle's power system (up to 460V or so). These components are attached with high-voltage system warning labels. Please observe the safety requirements on the labels.*
- *To avoid personal injury, non-professional personnel are prohibited from contacting, removing or fitting any component of the high-voltage system without permission.*

When it is required to cut the vehicle during emergency rescue, the high-voltage components such as the high-voltage battery pack, the high-voltage harness, and the electric drive system cannot be cut.



# High-voltage System

The power system components layout is shown below:



- 1 Rapid/Slow Charging Port
- 2 Electric A/C Compressor
- 3 On-board Charger
- 4 High-voltage Power Distribution Unit
- 5 High-voltage Harness
- 6 Manual Service Disconnect
- 7 High-voltage Battery Pack

- 8 Battery Heater (If fitted)
- 9 Electric Drive System
- 10 Electric A/C Heater (If fitted)

# High-voltage System

## Power System Parameters

Item		Parameter
Battery cell	Type	Ternary lithium ion battery
	Rated voltage, V	3.65
	Rated capacity, Ah	110(IC)
Battery pack	Battery pack number	1
	Battery pack dimension, mm	1579*1166*190
	Total voltage range	302-464
	Rated capacity, Ah	110(IC)
	Rated voltage, V	394.2
	Weight, kg	283
	Waterproof Grade	IP67

## **Emergency Rescue**

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# Emergency Rescue

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## Safety Instruction

### Basic Requirements

Basic requirements for high voltage safety precautions are as follows:

- In any case, priority should be given to the safety of personnel;
- The components with high voltage warning labels and the orange harnesses are high-voltage devices. During the vehicle rescue process, non-rescue personnel must not touch any high-voltage devices without authorization;
- The operation to high-voltage devices should be carried out by qualified personnel, and the operators should be provided with appropriate insulation protective equipment and insulated tools;
- When operating high-voltage devices, the high voltage disconnect operation must be carried out in strict accordance with the "High Voltage Disconnect" instructions in this manual to ensure safety and subsequent operations.

## Safety Marks

### High Voltage Mark



High Voltage! Do Not Touch!

### High-voltage Harness (example)



The high-voltage harness is the carrier for the vehicle to transmit high voltage electricity. When the vehicle is in

# Emergency Rescue

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READY state, the high voltage electricity is transmitted from the high-voltage battery pack through the high-voltage harness to the electric drive system and other high-voltage devices. Do not touch the high-voltage harness without authorization.

## High-voltage Connector (example)



The high-voltage connector connects the vehicle's high-voltage components and the high-voltage harnesses. Do not touch the high-voltage connector without authorization.

## Manual Service Disconnect



The manual service disconnect is in the front of the high-voltage battery pack. Disconnect the manual service disconnect before operating the high-voltage system. Refer to "High Voltage Disconnect" section for details.

# Emergency Rescue

## High-voltage Connector Label (example)

- Do not modify the connector;
- Only professional personnel are allowed to operate the high-voltage connector;
- Remove the manual service disconnect before disconnecting the high-voltage connector.



# Emergency Rescue

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## Emergency Device

### Manual Service Disconnect

The manual service disconnect is located at the front end of the high-voltage battery pack at the bottom of the vehicle. To disconnect the high voltage electricity from the vehicle, remove the manual service disconnect first.

For the removal method of the manual service disconnect, refer to the "High Voltage Disconnect" section.



Refer to the "Power System Information" section for the location of the manual service disconnect.

# Emergency Rescue

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## Fire Extinguisher

Fire extinguishers should be purchased by your own and need to be replaced regularly. It is recommended to use carbon dioxide fire extinguishers or ABC dry powder fire extinguishers.



When the vehicle is on fire but the fire is not intense, you can use the fire extinguisher to put out the fire. Refer to the "Emergency Evacuation" section for details.

To use a fire extinguisher, pull out the safety pin first, point the nozzle at the root of the flame, then press the handle to put out the fire.

**Note:** *When using a fire extinguisher, pay attention to avoid direct skin contact and prevent frostbite.*

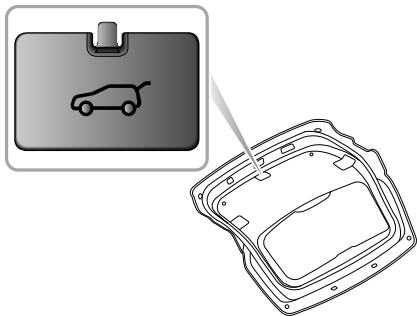


# Emergency Rescue

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## Tailgate Emergency Open

In case the doors on both sides cannot be opened, you still can leave the vehicle through the tailgate.



Tailgate emergency open lock groove is located in the inner side of tailgate lock.

Fold the rear seats, dig out the blanking cap with a hand, and insert a small flat-blade screwdriver into the emergency open locking groove to open the tailgate from inside.

# Emergency Rescue

## Stopping the Power System



During the vehicle running ( $\geq 5\text{km/h}$ ), if the power system needs to be shut down in emergency, please press the START STOP button for more than 4 seconds.

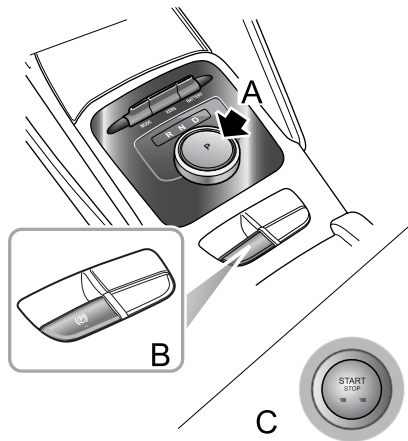
In case of an emergency, the power system can be turned off as follows after the vehicle is normally pulled over:

- 1 After bringing the car to a stop, ALWAYS apply the parking brake;
- 2 Place the electronic shift knob in P position (A);
- 3 Make sure the EPB is enabled (B);

**Note:** when the shift knob is switched to P position, EPB will be enabled automatically. If the EPB fails to be automatically enabled, pull up the EPB switch by hand till the EPB switch indicator illuminates red, and the indicator in the instrument pack (C) will be illuminated at the same time.

- 4 Press START STOP button (C) to turn off the power system.

**Note:** After turning off the system, START STOP button and indicator are both in OFF state.

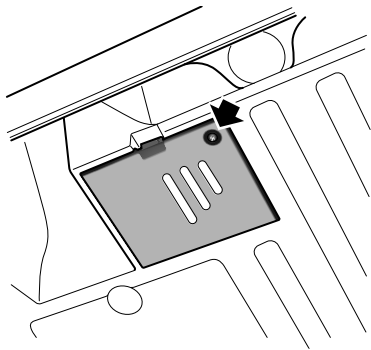


# Emergency Rescue

## High Voltage Disconnect

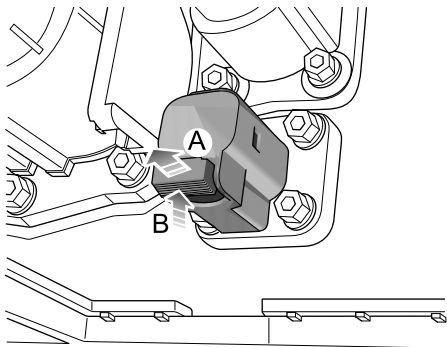
To disconnect high voltage electricity from the vehicle, the operator should wear a full set of insulation protection equipment and use specialized insulation tools:

- 1 Press START STOP button according to normal power-off steps, shut down the power and remove the key (refer to "Stopping the Power System" section for details).
- 2 Keep the vehicle stationary for 5 min, open the front compartment, and disconnect the negative cable of 12V low-voltage battery;
- 3 Raise the vehicle as safety permits;
- 4 On the deflector at the front of the battery pack, remove the screw on the manual service disconnect cover, release the clip, and remove the cover;



- 5 Pull out the clip from the manual service disconnect (A), press the end of the clip (B) and remove the manual service disconnect;

## Emergency Rescue



### IMPORTANT

To dismantling the high-voltage system components, need to confirm whether the high-voltage circuit voltage is within the safe range (the effective voltage value is no more than 30V (AC) and no more than 60V (DC) with special equipment (voltmeter, etc.) first and then take appropriate actions.

**Note:** After removing the manual service disconnect, prevent foreign matters from entering the base of manual service disconnect.

**Note:** If the rescue site does not meet the conditions for disconnecting the manual service disconnect, the rescue workers should disconnect 12V low-voltage battery first and be equipped with appropriate insulation protection equipment for subsequent rescue work.

# Emergency Rescue

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## Emergency Evacuation

### Waterlogged Vehicle

To rescue the waterlogged vehicle, the workers should wear a full set of insulation protection equipment and use specialized insulation tools:

- Driver, passengers and non-rescue personnel should immediately stay away from the vehicle;
- If any high-voltage device of the vehicle damages, avoid touching the metal conductor of the damaged high-voltage device during the rescue process to prevent possible electric shock damage;
- If no 'hiss' sound or foam occurs to the waterlogged high-voltage battery pack of the vehicle, salvage can be carried out by a professional organization;
- After salvage, timely disconnect the high voltage electricity from the vehicle, and place the vehicle in an open space for isolation;
- To transfer the vehicle, do not tow it directly but use a rescue vehicle instead;
- After the rescue, please contact an MG Authorised Repairer for inspection and maintenance after the

accident vehicle and high-voltage battery pack are properly treated.

### Vehicle on Fire

To rescue the vehicle on fire, the workers should wear a full set of insulation protection equipment and use specialized insulation tools:

- Driver, passengers and non-rescue personnel should immediately stay away from the vehicle;
- If any high-voltage device of the vehicle damages, avoid touching the metal conductor of the damaged high-voltage device during the rescue process to prevent possible electric shock damage;
- When thoroughly inspecting the fire, do not touch any high-voltage devices and always use insulated tools for operation. Immediately disconnect the negative cable of 12V low voltage battery and manual service disconnect if conditions permit;
- If a minor fire occurs and the flame does not spread to the high-voltage battery pack, carbon dioxide or ABC dry powder fire extinguisher can be used to put out the fire, and the temperature of the high-voltage battery pack casing should be monitored in real time;

## Emergency Rescue

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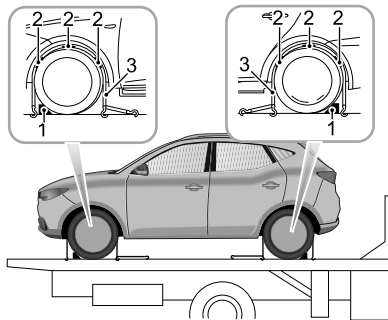
- If the high-voltage battery pack is on fire, or if any high-voltage battery pack problem is suspected, it can be continuously sprayed with a large amount of continuous fire water to reduce the temperature of the high-voltage battery pack. (If no one is trapped and the rescue conditions are not met, the rescuers can just let it burn out. But make sure the fire does not spread and avoid inhaling toxic substances in the smoke.)
- There is a large amount of chemical substances in the battery, and it may re-ignite. During the treating process, the temperature of the battery should be monitored in real time using a thermal imager, thermometer, etc. Once the internal temperature of the battery rising sharply or any smoke release is found, stop the operation immediately, and use a water gun spray to cool down till the high-voltage battery pack thermal accident is controlled;
- After the fire is completely extinguished, the accident vehicle should be immediately transferred to a safe place for isolation. When transferring the vehicle, do not tow it directly but use a rescue vehicle instead;
- After the rescue, please contact an MG Authorised Repairer for inspection and maintenance after the accident vehicle and high-voltage battery pack are properly treated.

# Emergency Rescue

## Vehicle Evacuation after Accident

After the accident, the vehicle evacuation measures are shown in the figure below.

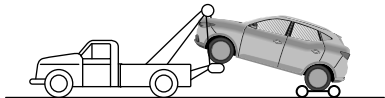
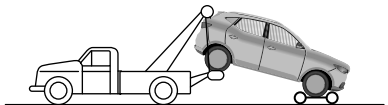
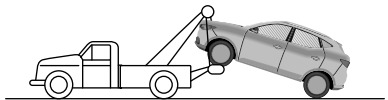
To ship the vehicle, fit wheel chocks (1) as shown, then position the anti slip rubber blocks (2) around the circumference of the wheel. Meanwhile, fit the lashing straps (3) around the wheels and secure them on the trailer. Fasten the straps to secure the vehicle.



In case your vehicle breaks down or encounters an accident, you can use the towing hook to tow your vehicle, such as towing your vehicle onto the transporter. But they are not designed for towing other vehicles. The vehicle can be towed by using a soft rope, but a hard rod is recommended.

Suspended towing is the best method for a vehicle needs to be towed. The drive wheels should be suspended above the ground, or the transmission may be damaged. And release the parking brake, turn on the hazard warning light, with no passenger left in the vehicle.

# Emergency Rescue



## Precautions on Vehicle Towing

### IMPORTANT

- The vehicle can be towed from the site only when you make sure there is no safety risk. If the battery pack is deformed, leaks, smokes, etc., the safety risk should be solved first.
- Ensure that EPB system is enabled before shipping the vehicle.
- Before towing the vehicle, release the parking brake, turn on the hazard warning light, close the door and lock it.
- DO NOT suddenly start the towing vehicle with great acceleration or accelerate to avoid damaging the vehicle.
- Personnel are prohibited from staying in the vehicle when towing and shipping the vehicle.