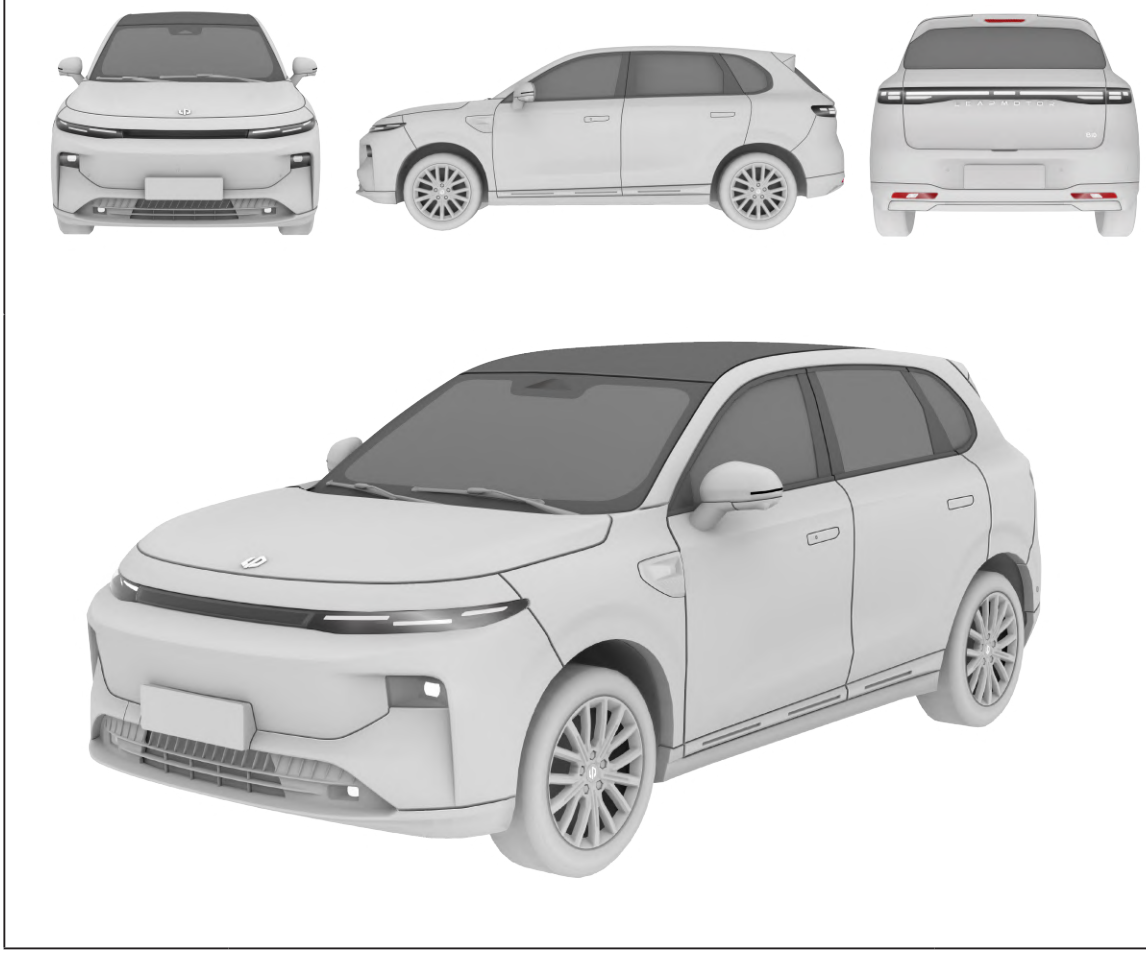
INFORMATION FOR FIRSTAND SECOND RESPONDERS
EMERGENCY RESPONSE GUIDE FOR VEHICLE

Leapmotor B10

Electric Vehicle

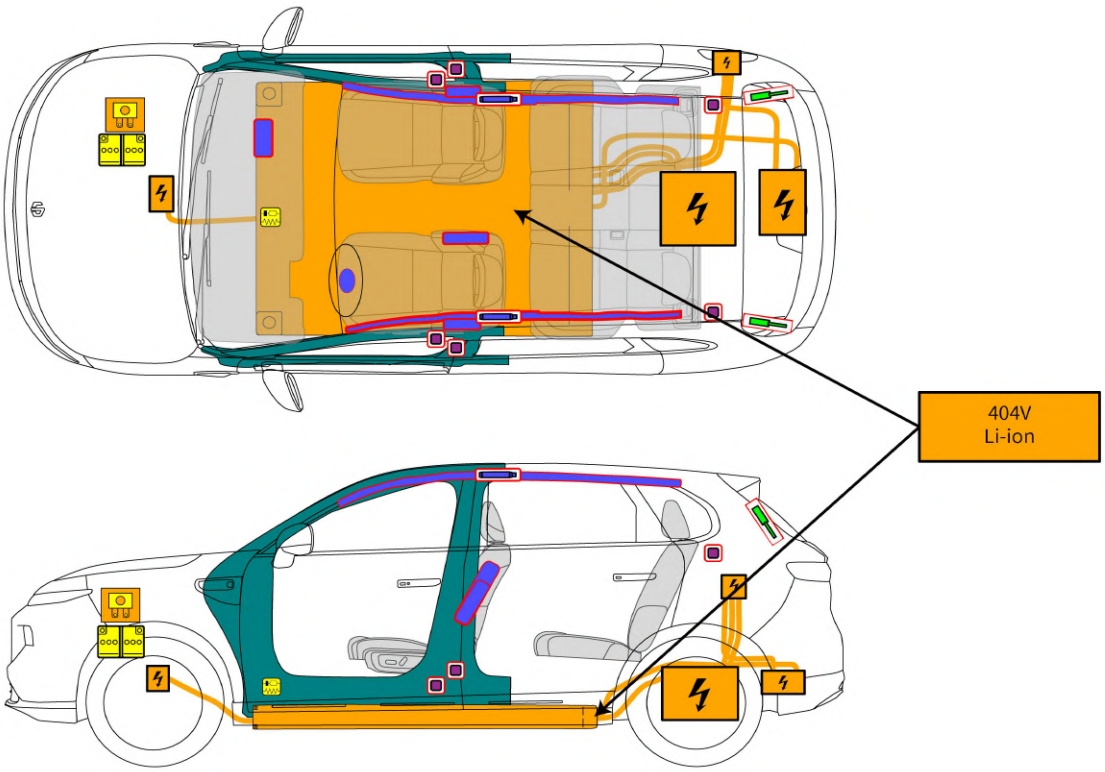


Version: 001

Contents

Leapmotor B10

5 doors, 5 seats, SUV
2025-



	Airbag		Stored gas inflators		Seat belt preten-sioner		SRS control unit
	Battery low voltage		Gas strut / Preloaded spring		High strength zones		High voltage components
	High voltage power cables		Fuse box disabling high voltage		Battery pack, high-voltage		

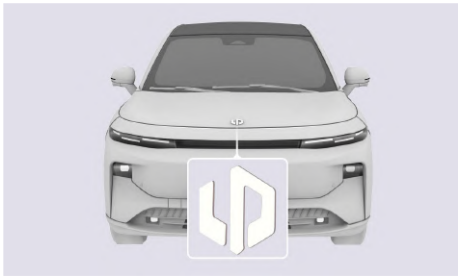
	Leapmotor B10 2025-	Document No. Leapmotor-2025-001	Version No. 01

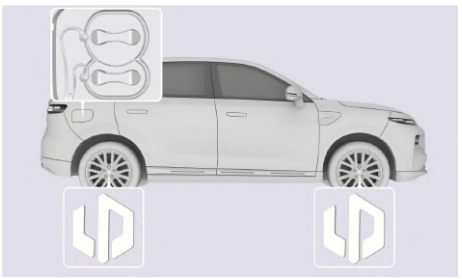
1. Identification / recognition

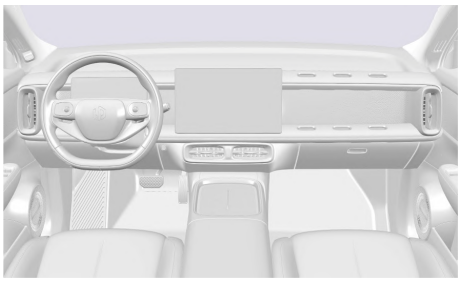
LACK OF ENGINE NOISE DOES NOT MEAN VEHICLE IS OFF: SILENT MOVE MENT OR INSTANT RESTART CAPABILITY EXISTS UNTIL VEHICLE IS FULLYSHUT DOWN. WEARAPPROPRIATE PPE.

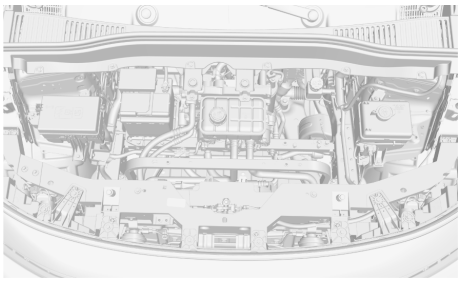
Exterior markings

Leapmotor B10 can be identified by the brand logos on the body and the model logo on the liftgate.









Vehicle Identification Number (VIN)

Leapmotor B10 can be identified by the Vehicle Identification Number (VIN). The VIN is located on the sheet metal cross beam on the lower left side of the windshield (affixed).

VIN is a vehicle's unique identification code, which consists of 17 characters and includes information such as the country of manufacture, manufacturer, year, and vehicle feature code.

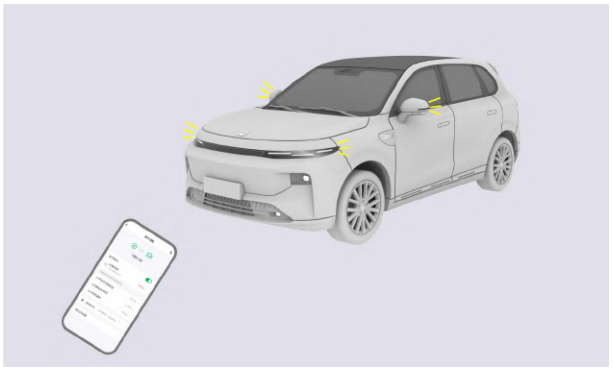
The VIN can also be found in different locations, such as the right side of the front hood latch (affixed), the front of the left shock tower (affixed), the left front door sheet metal (affixed), the right front door sheet metal (affixed), the liftgate inner panel (affixed), the right rear wheel housing sheet metal (affixed), and the front right seat rear cross beam (stamped).

Vehicle key

Leapmotor B10 has three types of keys:

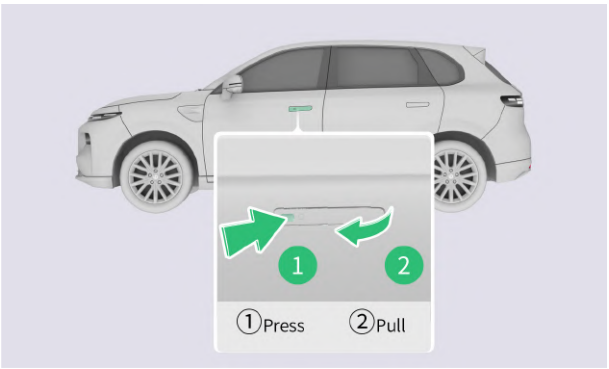
- **NFC key**- Hold a valid NFC key near the NFC identification area of the driver's exterior rearview mirror for more than 1 second. After the vehicle detects the NFC key, the unlocking/locking function can be realized.

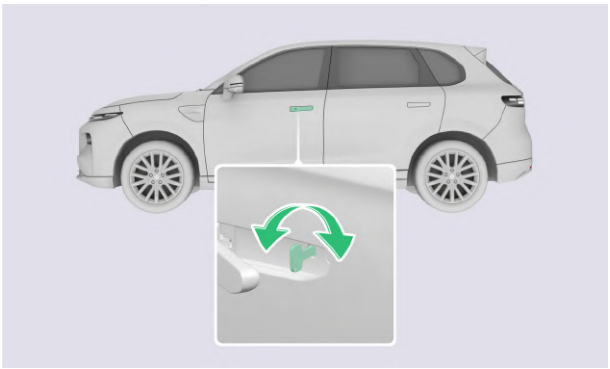
- **Mobile Bluetooth key** - The Bluetooth key is integrated into the Leapmotor App, which can unlock the vehicle at close range. Before using the Bluetooth key, you need to connect your phone to the vehicle via Bluetooth and complete identity authentication. For details, please refer to the user manual.



- **Mechanical key** - If the NFC key and mobile Bluetooth key fail to unlock/lock the door, use the mechanical key to unlock/lock the driver’ s door.

1. Manually press the front end of the driver’ s side door handle and extend the handle until the mechanical lock cylinder is exposed.
2. Insert the mechanical key into the lock cylinder: Turn the key counterclockwise to unlock the door on the driver’ s side; turn the key clockwise to lock the door on the driver’ s side.

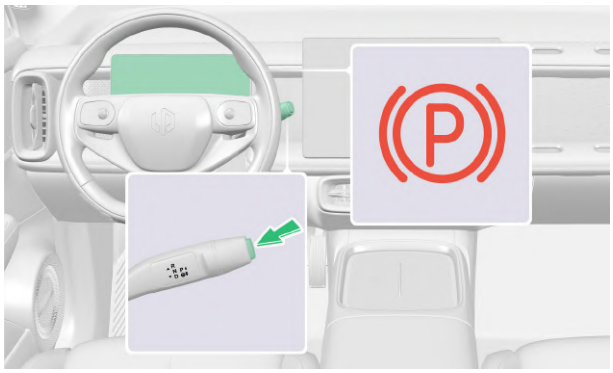




The mechanical key is provided separately along with the vehicle. Please store it separately and keep it properly to avoid loss.

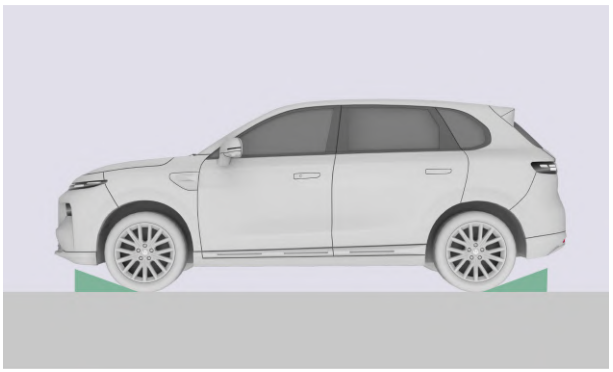
2. Immobilisation / stabilisation / lifting

Immobilisation



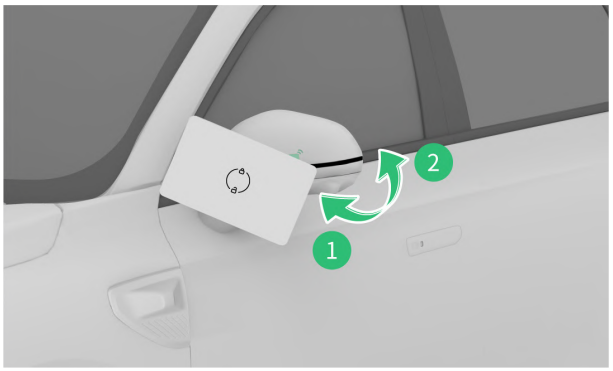
1. Parking

Witch gear to P (Park). The vehicle will automatically apply the parking brake.



2. Fix the wheels

Place chocks in front and behind the four wheels



3. Confirm that the vehicle power is turned off/on

Hold (for at least 1 second) a valid NFC key against the card reader area (located on the driver-side exterior rearview mirror). After the vehicle detects the NFC key, the unlock/lock function can be realized.

1 The exterior rearview mirrors are unfolded. At the same time, the turning indicator light flashes twice, and the vehicle switches from locked to unlocked status.

2 The exterior rearview mirrors are folded. At the same time, the turning indicator light flashes once, and the vehicle switches from unlocked to locked state.

When stabilizing the vehicle, be careful not to damage the power battery.

- The mechanical key is provided separately with the vehicle and is not integrated with the NFC card key. Please avoid losing the mechanical key.

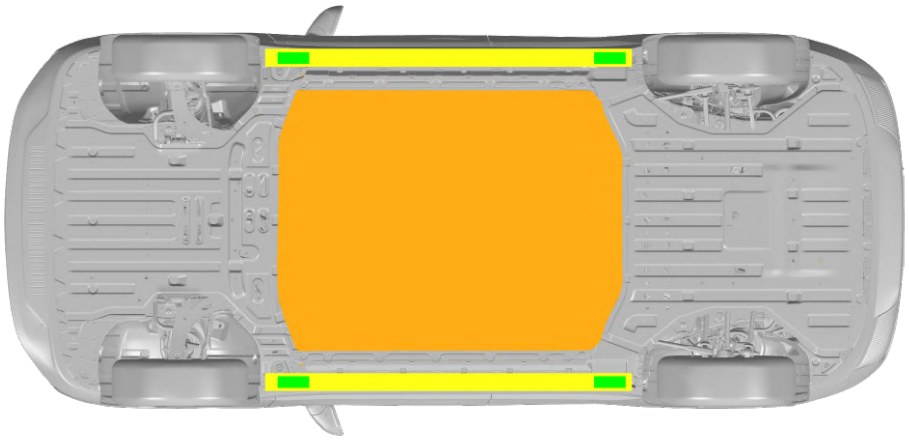
Stabilisation / Lifting points

The power battery of Leapmotor B10 is located under the base plate, occupying most of the space below the vehicle. When lifting the vehicle, only the designated lifting points (marked in green) may be used.

When stabilizing/lifting the vehicle, be careful not to damage the power battery.

Only professionals wearing specialized equipment and familiar with the vehicle's lifting points are authorized to perform lifting operations. Exercise extreme caution during vehicle lifting operations to prevent any contact with the power battery or other high voltage components.

Do not perform lifting operations in the power battery installation area.

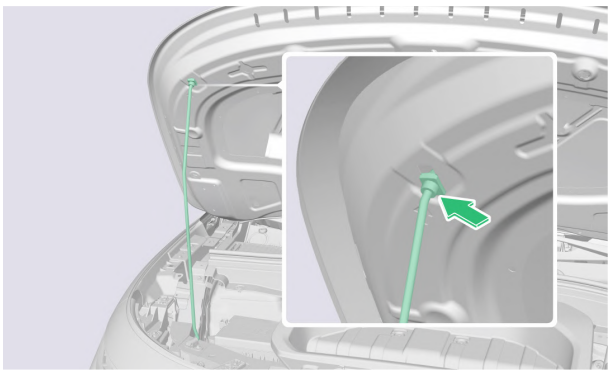


	Safe lifting points
	Side stabilisation points
	Power battery

3. Disable direct hazards / safety regulations

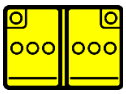
Emergency high-voltage power disconnection

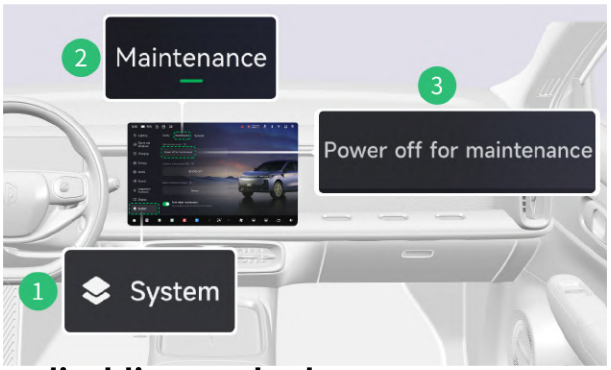
The release handle of the front compartment cover is located on the lower left side of the instrument panel. Pull the release handle of the front compartment cover twice in succession, and the front compartment cover will make two "click" sounds and pop up slightly. Lift the front compartment cover upwards and support it with the stay bar.

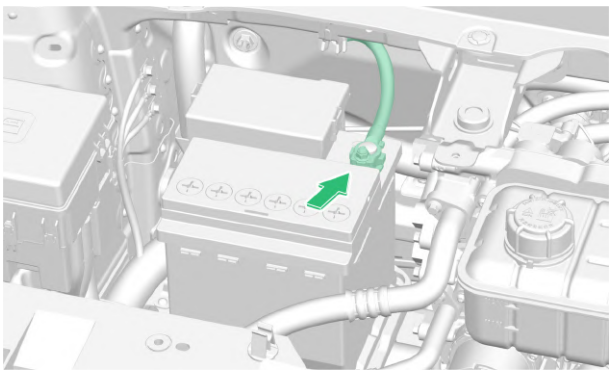


Main disabling method

After powering off for maintenance in the "System - Maintenance" interface of the infotainment screen, open the front compartment cover and disconnect the negative terminal of the battery.

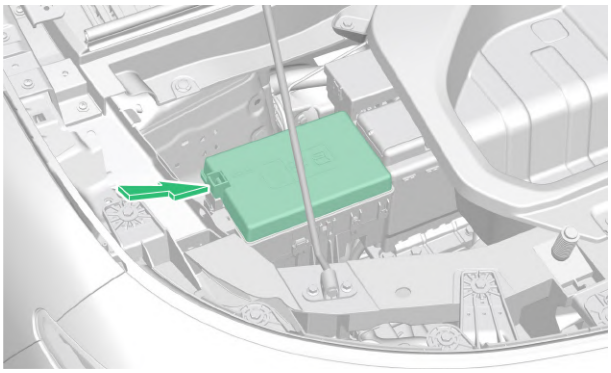


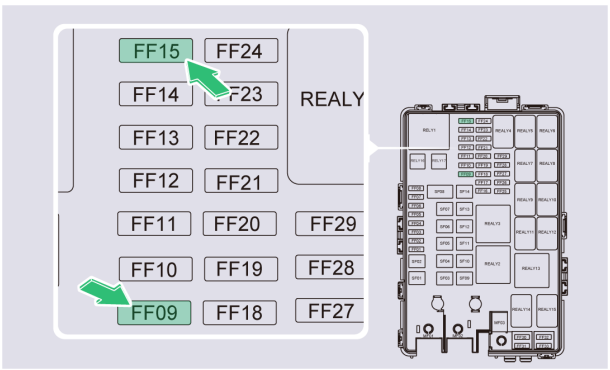




Alternative disabling method

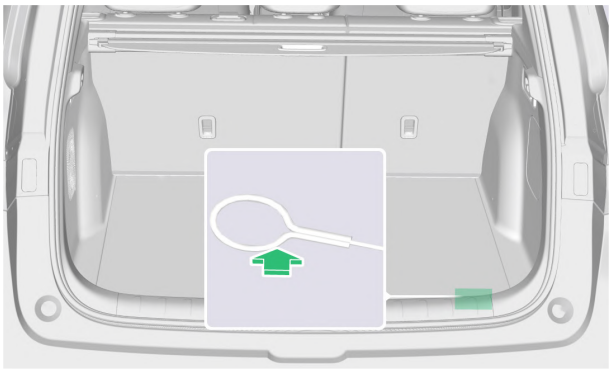
The front compartment fuse box is located on the right side of the front compartment. Open the front hood, press the latch in the direction of the arrow, open the fuse box cover in the front compartment, and disconnect the high-voltage fuses **FF09** and **FF15**.





Wear appropriate personal protective equipment (insulated rubber gloves / insulated rubber shoes / tools with insulated protective covers / goggles). Do not attempt to open the power battery.

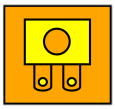
Emergency unlocking of AC slow charging/DC fast charging



If the charger cannot be pulled out after multiple unlock attempts during AC slow charging/DC fast charging, proceed with emergency unlocking operations:

1. Open the liftgate and remove the trunk cover plate and toolbox.

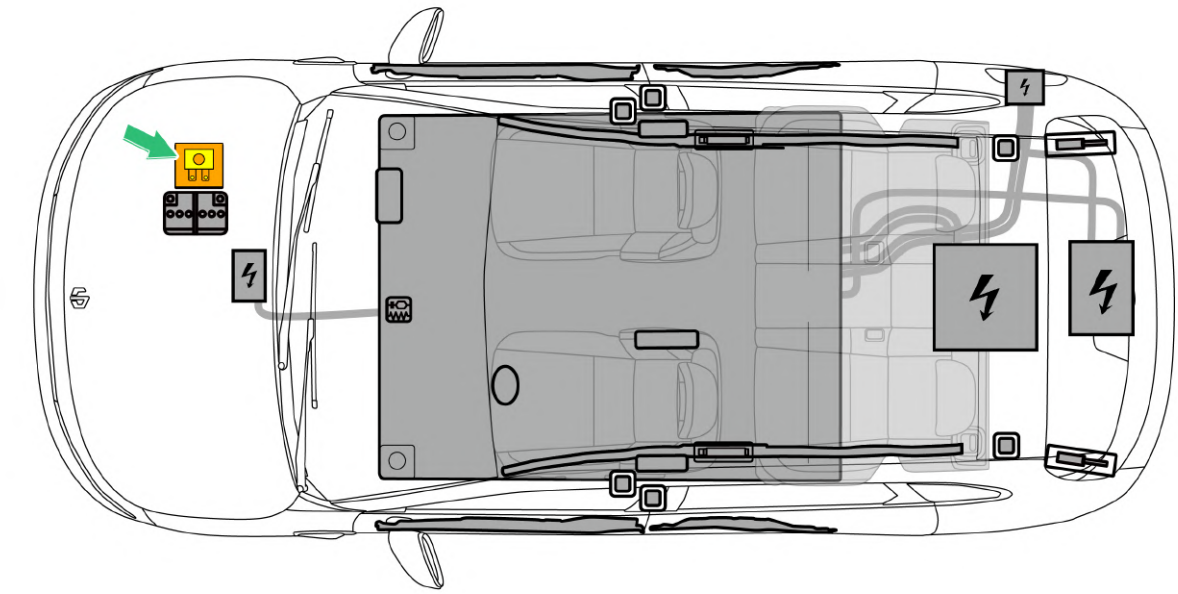
2. Locate the AC slow charging/DC fast charging emergency unlocking mechanical cable, pull the unlocking cable, and try to pull out the charger.



Fuse box disabling high voltage

When the high-voltage fuse located in the fuse box on the right side of the vehicle's front compartment is unplugged, the high-voltage contactor in the power battery will also be disconnected, thereby cutting off the high-voltage output of the vehicle's high voltage components.

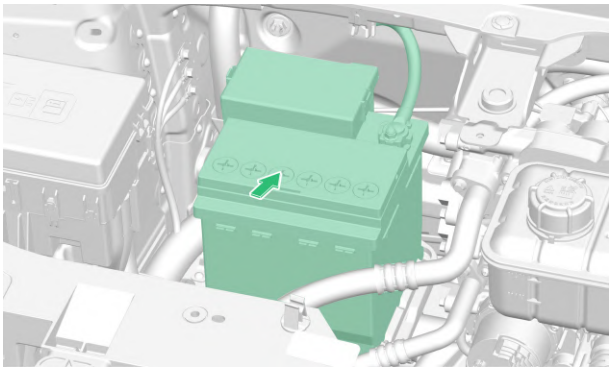
When a vehicle is involved in an accident, and the high-voltage fuse is pulled, always assume that all high voltage components are energized. Treat each orange cable and battery bank as a high voltage component. Cutting, crushing, or touching high voltage components may result in serious injury or life-threatening consequences.



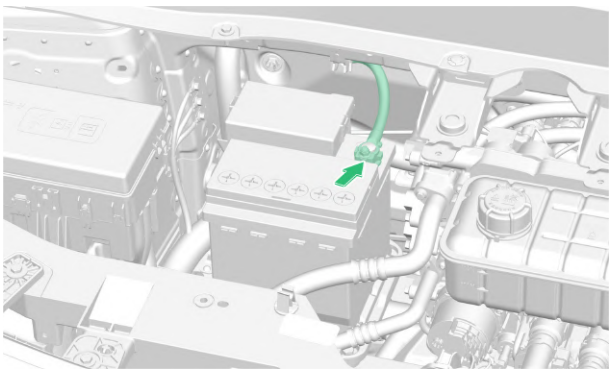
12V battery access

The 12V low-voltage battery is located in the front compartment. The battery should be installed correctly and firmly fixed with a battery pressing plate.

The fixing clamps of the two poles of the low-voltage battery should be installed firmly and maintain good contact to prevent sparks and fire.

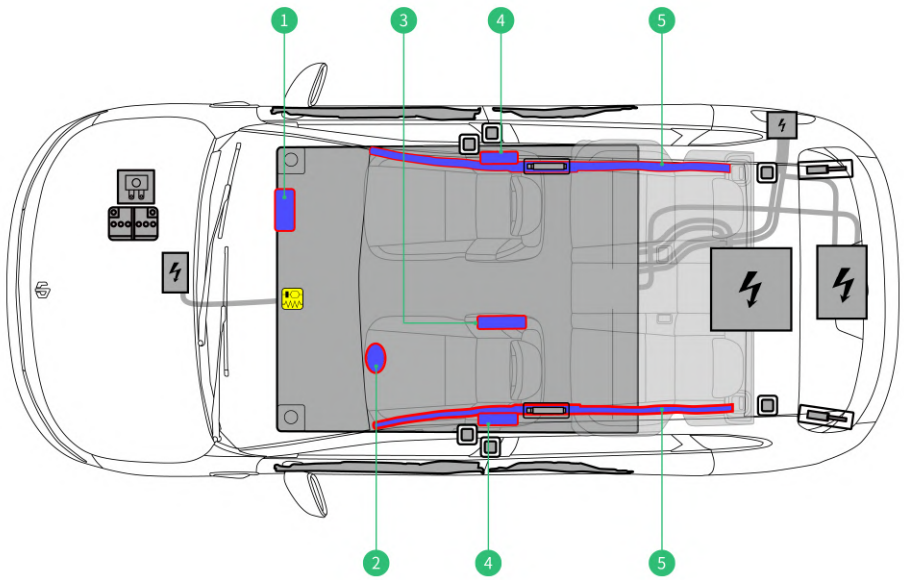


Vehicle power cutoff: Open the front compartment cover, remove the front engine compartment storage box, use a tool to loosen the nut that secures the negative terminal of the battery, unplug the negative cable of the low-voltage battery, and disconnect the low-voltage battery power supply.



Airbag

The airbag is located in the approximate area shown in the following illustration. The airbag warning message is printed on the front passenger’ s sun visor.



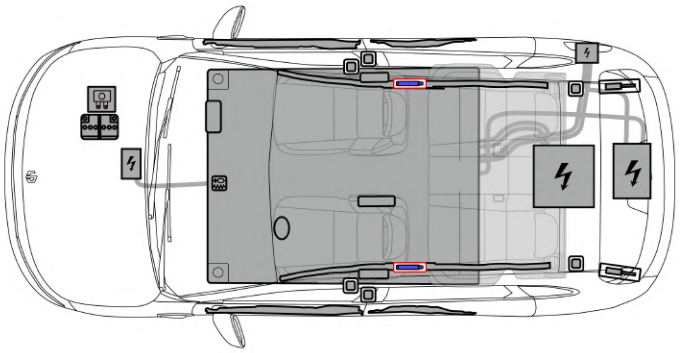
1. Front airbag for the front passenger
2. Front airbag for the driver
3. Far-side airbag
4. Front side airbags
5. Side curtain airbags

When the SRS control unit deploys the airbag, the fuse that disables the vehicle's high-voltage system is also triggered.

When the airbag is deployed, all high voltage components and cables of the vehicle, except the power battery, are disconnected from the high-voltage supply. Be safe, and do not cut any orange high-voltage harnesses or attempt to restart the battery bank. Even if the high-voltage system is deactivated due to airbag deployment, all high voltage components and cables must still be treated as potentially energized. The power battery units in the battery bank are used for storing electrical energy and must not be damaged by rescue tools.

Stored gas inflators

The stored gas inflators (marked with red outlines) are positioned near the roof at both ends of the B-pillar.

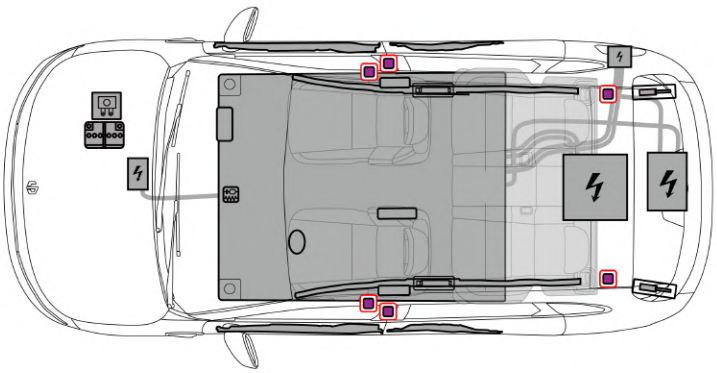


Rescuers must not cut off or squeeze the stored gas inflator, as this may cause severe damage, resulting in personal injury or death.

The SRS control unit contains a backup power supply capable of discharging within approximately 10 seconds. Do not touch the SRS control unit within 10 seconds after the airbag or pretensioner has deployed.

Seat belt pretensioner

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



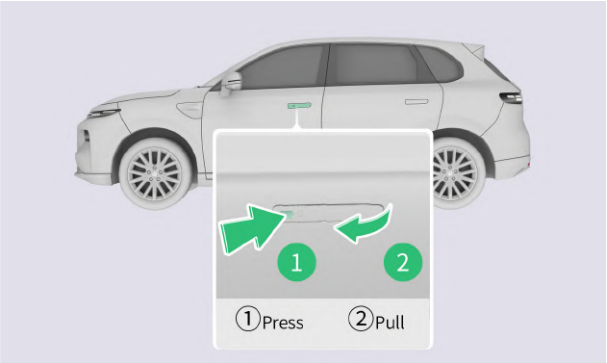
After a collision, the electrical and mechanical release mechanisms may be damaged.

4. Access to the occupants

After a collision, the liftgate may not be opened from the outside and needs to be opened from the inside in an emergency.

Open the door outside the vehicle

After the vehicle is unlocked, press the recessed area of the door handle with your finger to lift the rear end of the door handle and pull it to open the door.



If the vehicle is not powered on and the NFC key cannot unlock the door, use the mechanical key to unlock the driver’s door. For details, please refer to the “Vehicle key - Mechanical key” section.

Open the door inside the vehicle

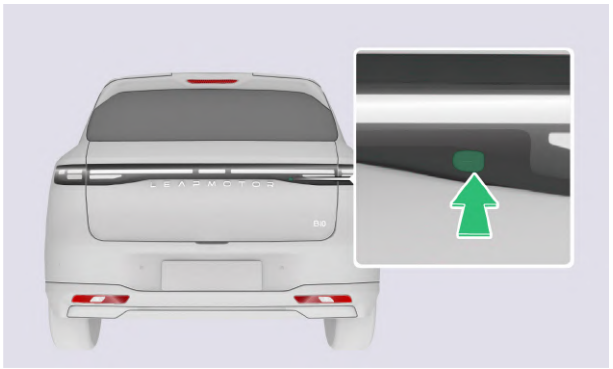
When the vehicle is in unlock status, pull the interior handle to open the current door.

Boot

The liftgate opening methods are as follows:

1. In the "Settings - Doors and Windows" interface of the infotainment screen, touch the liftgate button to open the liftgate (the electric liftgate will open automatically, while the manual liftgate requires physical lifting.)

2. When the vehicle is unlocked and stationary, press the switch outside the liftgate to open the tailgate. (the electric liftgate will open automatically, while the manual liftgate requires physical lifting.)



Steering wheel, tilt control

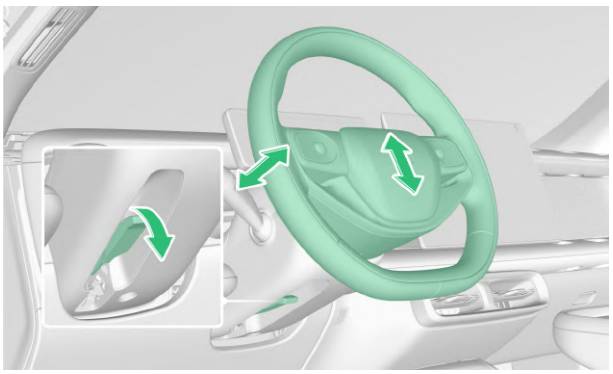
The steering wheel adjustment handle is located under the steering column shroud. Adjustment method:

1. Turn the steering wheel adjustment handle downward.

2. Hold the steering wheel tightly with both hands and adjust it forward, backward, up, and down to the appropriate position.

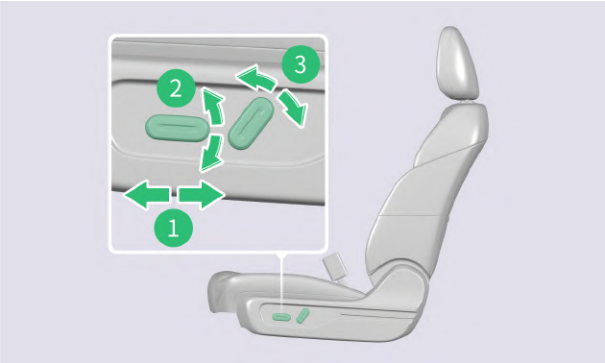
3. After adjustment, turn the steering wheel adjustment handle upward and lock the steering wheel.

4. Move the steering wheel up, down, forward, and backward, and confirm that the steering wheel is securely locked.

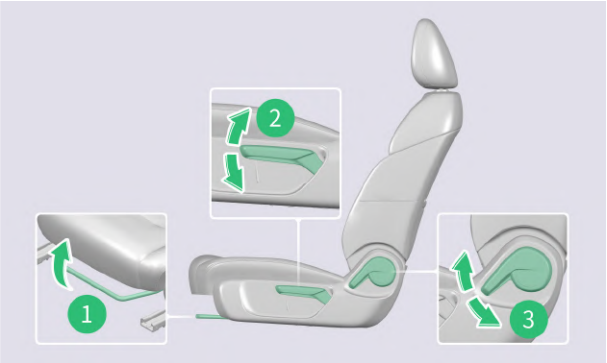


Seat adjustment, longitudinal/seat height adjustment

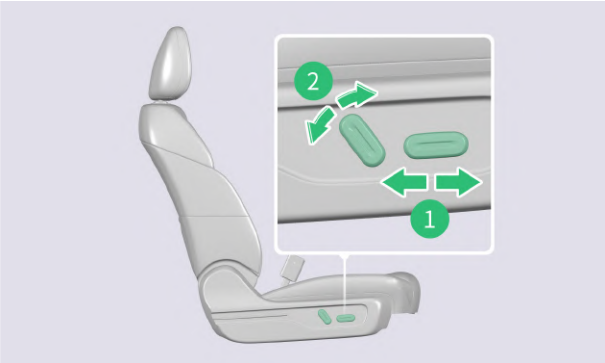
The driver seat of Leapmotor B10 can be adjusted in 6 directions, and the front passenger seat can be adjusted in 4 directions. The seat adjustment methods are as follows:



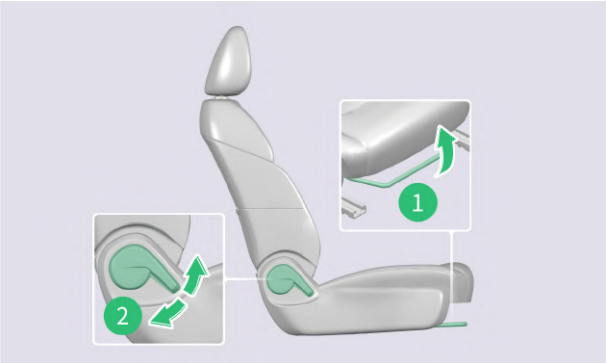
Power-adjustable driver seat



Manually-adjustable driver seat



Power-adjustable front passenger seat



Manually-adjustable front passenger seat

Seat forward and backward adjustment

Power seat: Push the seat position adjustment switch in the direction indicated by the ① arrows, either forward or backward, and the seat will slide forward or backward.

Manual seat: Pull up the adjustment lever ① , then lean against the seat, slide the seat to the desired position, and release the adjustment lever.

Seat height adjustment (driver only)

Power seat: Pull or push the seat position adjustment switch in the direction indicated by the ② arrows, and the seat will rise or fall accordingly.

Manual seat: Pull up the handle ② repeatedly, and the seat gradually rises. Press down the handle repeatedly, and the seat gradually lowers.

Seat backrest angle adjustment

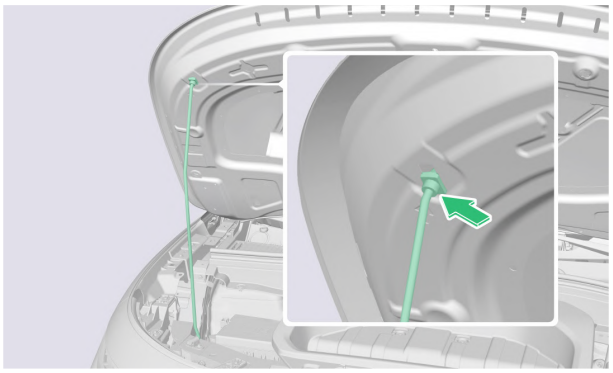
Power seat: Push the seat position adjustment switch forward or backward in the direction indicated by the ③ arrows, and the backrest will tilt forward or backward.

Manual seat: Pull up the handle ③ , and use the pressure on your back to control the backrest to tilt forward or backward, adjust the backrest to the desired position, and release the handle.

When performing a passenger rescue, always check the rear seat area for passengers to avoid missing anyone.

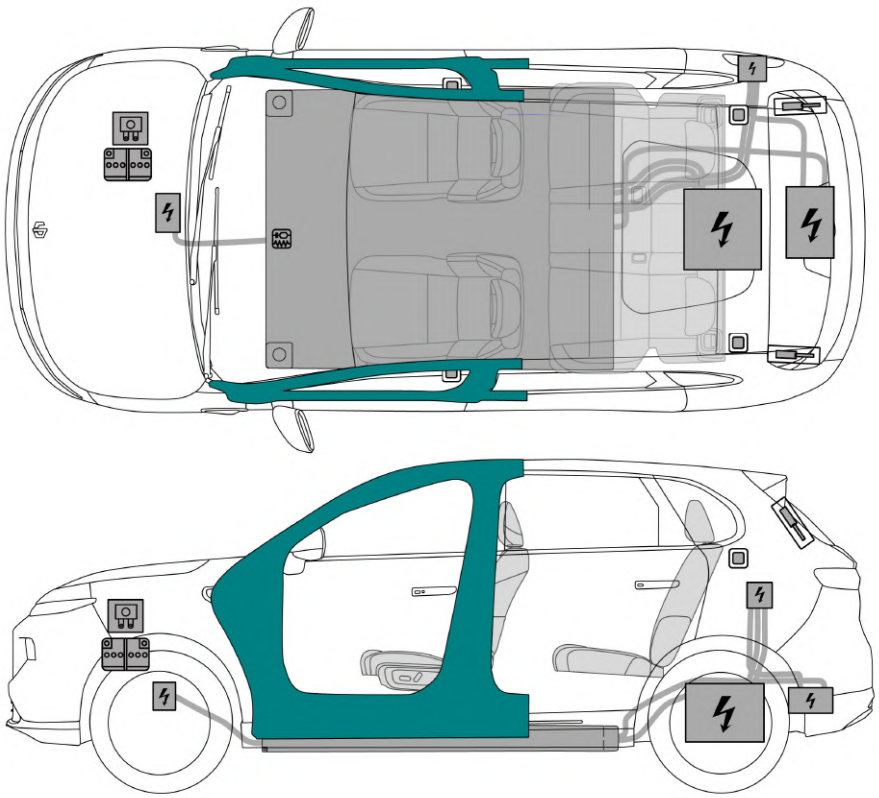
Bonnet

The front hood release handle is located on the lower left side of the instrument panel. Pull the release handle of the front hood twice in succession, and the front hood will make two "click" sounds and pop up slightly. Lift the front hood upwards and support it with the stay bar.



High strength zones

Leapmotor B10 has been reinforced to protect passengers in a collision. The high strength zones are shown as the cyan regions in the following figure. Use appropriate tools to cut these areas during rescue operations.

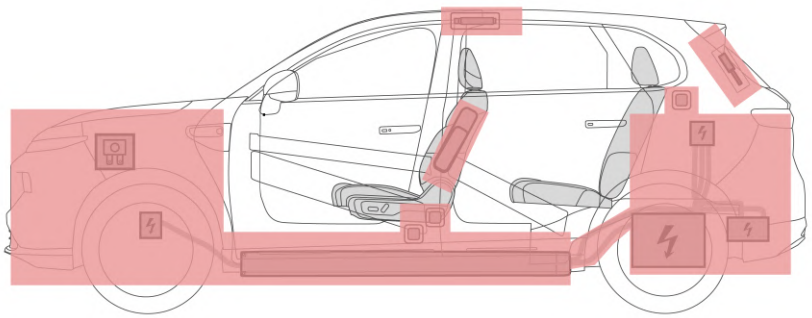


When cutting Leapmotor B10, be sure to use appropriate tools, such as a hydraulic cutting machine, and wear appropriate personal protective equipment. Otherwise, it may cause serious injury or even endanger life.

Regardless of the tool you use, always assume that all high voltage components are live. Cutting, crushing, or touching high voltage components may result in serious injury or life-threatening consequences.

Vehicle cuttable zone

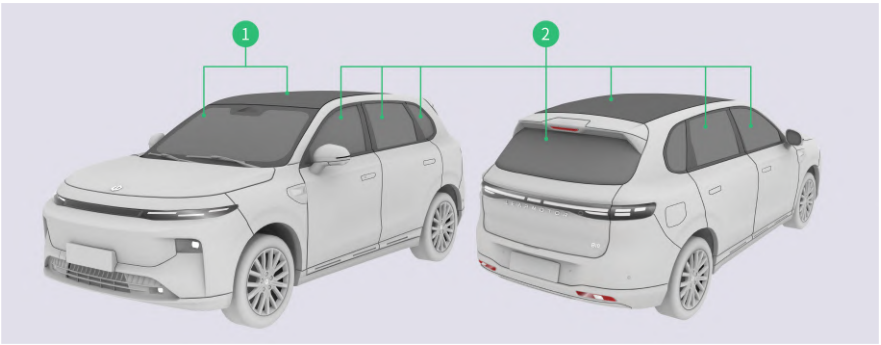
Some zones are defined as "No Cutting Zones" due to the presence of high pressure, stored gas inflators, gas springs, and other hazardous devices. Do not cut or squeeze these zones, as this may result in serious injury or life-threatening consequences. “No Cutting Zones” are marked in pink.



: No Cutting Zones.

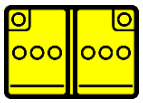
Glass types

The vehicle's front windshield and skylight are laminated glass, and the rest are tempered glass.



1. Laminated glass
2. Tempered glass

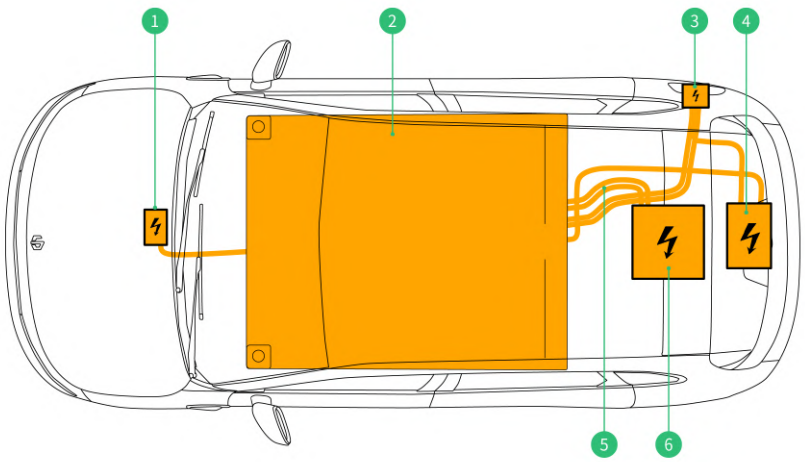
5. Stored energy / liquids / gases / solids

		12V
		404V
		1250 ± 20g

When the coolant leaks from the battery bank, it may become unstable, creating a risk of thermal runaway. Check the temperature of the battery bank with a thermal infrared imager.

If a vehicle collision causes the power battery to leak, it must be handled by professional rescue personnel. Rescuers must wear the correct personal protective equipment and avoid direct contact with the liquid.

High voltage components



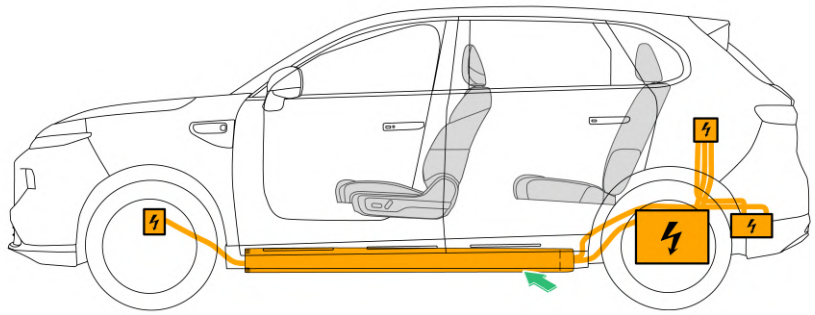
1. Compressor
2. Power battery
3. Charging port
4. Control unit
5. High-voltage cable
6. Drive motor

Battery pack, high-voltage

Leapmotor B10 is equipped with a 404.4V lithium-ion battery. Do not touch any liquid leaking from the power battery (if any).

When lifting the vehicle from the bottom, do not damage the power battery. When using rescue tools, take special care not to damage the chassis.

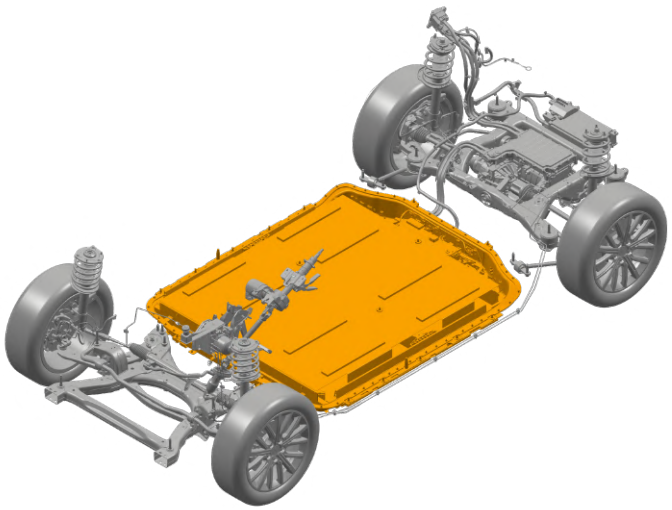
For proper vehicle lifting instructions, please refer to Chapter 2.



Vehicle chassis

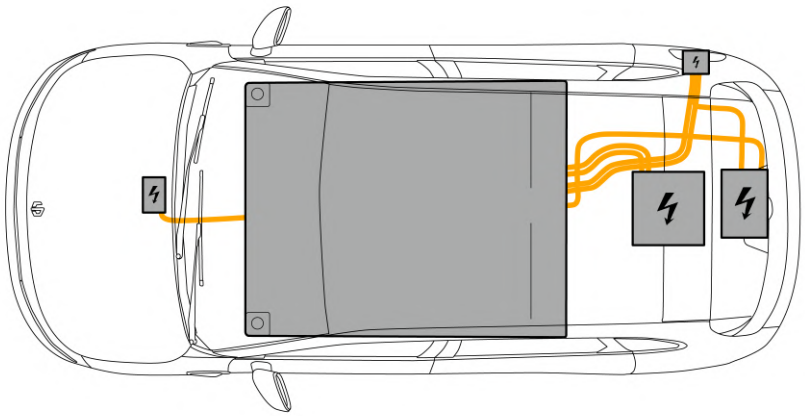
The power battery is located under the vehicle base plate. Do not squeeze the chassis area; otherwise, the power battery or high-voltage cables may be damaged, causing serious injury or even life-threatening consequences.

Never use rescue tools on the power battery.



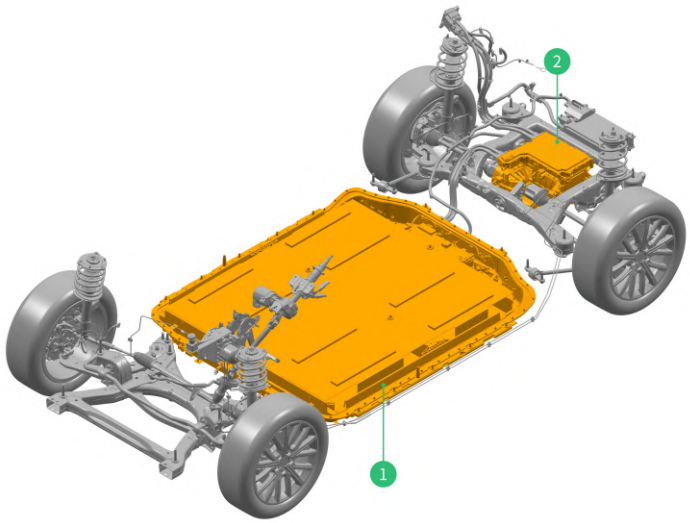
High voltage power cables

High voltage power cables are marked in orange. Rescue tools must not damage high voltage power cables.
Rescue tools should never be used to damage high voltage power cables. It must always be assumed that the orange high voltage power cables are live.



Drive motor

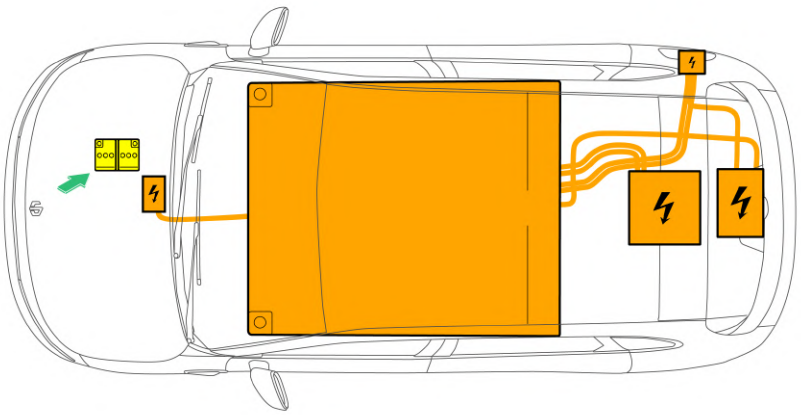
The drive motor is positioned between the rear wheels. It converts the DC power from the power battery into AC power that can supply power to the wheels.

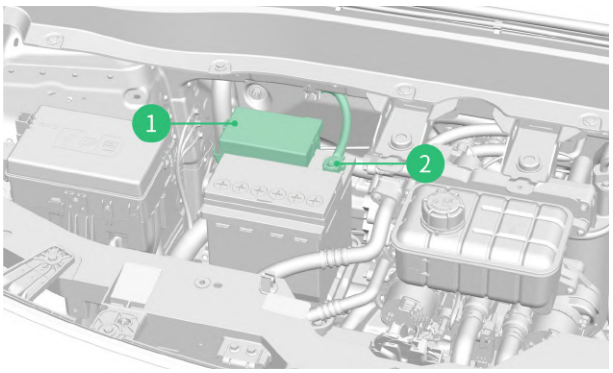


1. Power battery
2. Drive motor

Battery low voltage

In addition to the high-voltage system, Leapmotor B10 also has a low-voltage electrical system. The low-voltage battery powers the supplemental restraint system (SRS), windows, door locks, infotainment screen, and vehicle lamps. The high-voltage system charges the low-voltage battery, and the low-voltage battery supplies power to the high-voltage contactor, allowing high-voltage current to flow into or out of the power battery.

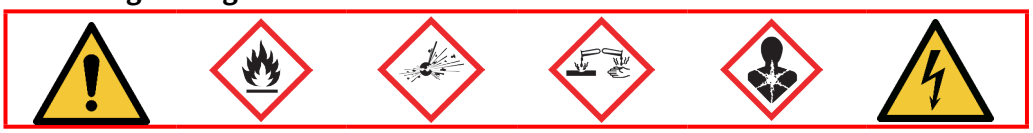




1. Battery positive terminal
2. Battery negative terminal

6. In case of fire

Fire extinguishing



Do not submerge the vehicle in water to extinguish the burning battery.

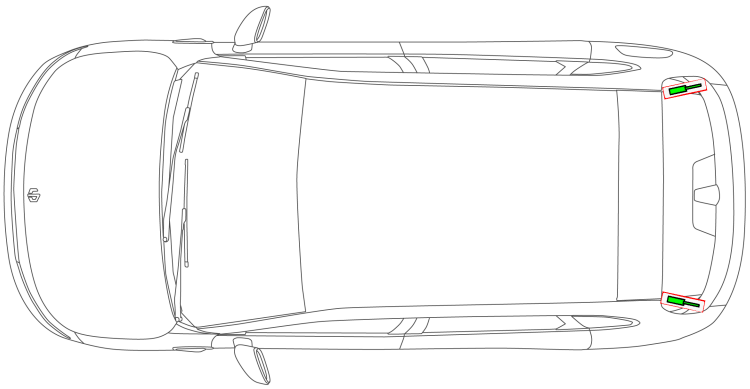
Use water to extinguish the fire.

BATTERY RE-IGNITION!

Monitor the temperature of the power battery for at least 24 hours.

Use water to extinguish the power battery fire. If the battery catches fire, overheats, or produces heat or gases, use a large amount of water to cool it down. If water is unavailable, use other typical fire extinguishing agents, such as carbon dioxide, foam, etc. (do not use dry powder fire extinguishers).

Gas strut / preloaded spring pose an explosion risk.



Leapmotor recommends using a thermal imager or infrared (TIC or IR) to monitor battery temperature during the cooling process.

Use typical vehicle firefighting procedures to extinguish small fires not involving the power battery.

During fire extinguishing, do not touch high voltage components. Insulated tools should be used when extinguishing the fire.

Heat and flames can endanger the airbag, gas cylinder, gas spring, and other parts that may accidentally overheat, causing an explosion.

Use thermal Infrared camera

After all flames and smoke have visibly diminished, use a thermal infrared camera to measure the temperature of the power battery and monitor heating or cooling trends. The vehicle can only be handed over to second responders (such as law enforcement officers, vehicle transport personnel, etc.) after there have been no flames, smoke, or high temperatures from the power battery for at least one hour. The power battery must be fully cooled before the vehicle is handed over to second responders or leaves the incident scene. Be sure to inform second responders that the power battery has a risk of reignition.

Due to the possibility of reignition, the Leapmotor B10 power batteries damaged in flood, fire, or collision should be stored in an open area at least 50 feet (15 meters) away from any exposed items.

In the event of a fire, you should assume that the entire vehicle is energized. Wearing full personal protective equipment, including a self-contained breathing apparatus, is essential.

Power battery - Fire damage

Both the power battery and the drive motor should be liquid-cooled using coolant. Do not touch any fluid leaking from the power battery (if any).

A damaged power battery can cause the battery bank to heat up quickly. If the power battery emits smoke, vapor, crackling sounds, or hissing noise, it may be heating up, and appropriate measures as described above should be taken.

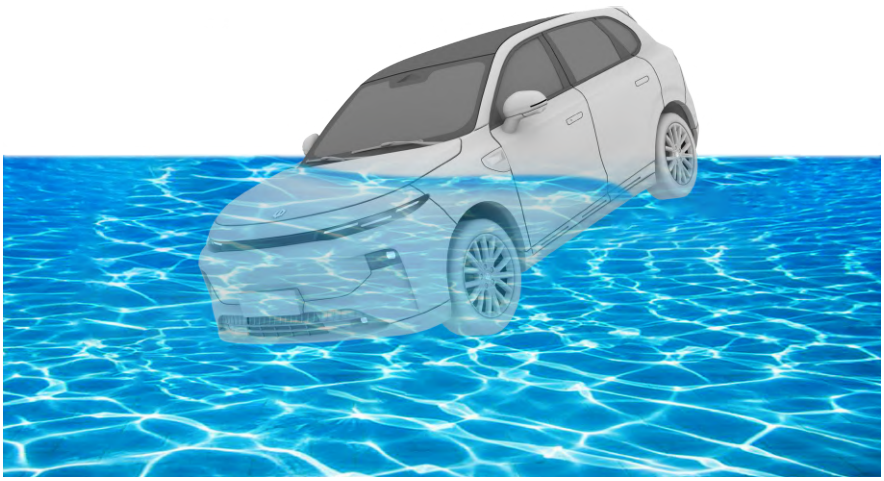
Battery combustion releases overheating gases and toxic vapors that may include volatile organic compounds, hydrogen, carbon dioxide, carbon monoxide, smoke, and particles containing nickel, aluminum, lithium, copper, cobalt, and hydrofluoric acid. Emergency responders should always use full personal protective equipment, including self-contained breathing apparatus, to protect themselves and take appropriate measures to protect others from the incident.

7. In case of submersion

When a vehicle is submerged in water, there is a higher risk of electric shock. When handling any water-immersed vehicle, please wear appropriate personal protective equipment for water rescue.

Due to the potential fire risk from the power battery, extra caution should be exercised when handling underwater vehicles. Emergency responders should be well-prepared to deal with potential fire risks.

Lift the front of the vehicle and drain the water from the vehicle and the power battery. After removing the vehicle from the water, safely disconnect the high-voltage power supply according to the "Emergency high-voltage power disconnection" in Chapter 3.



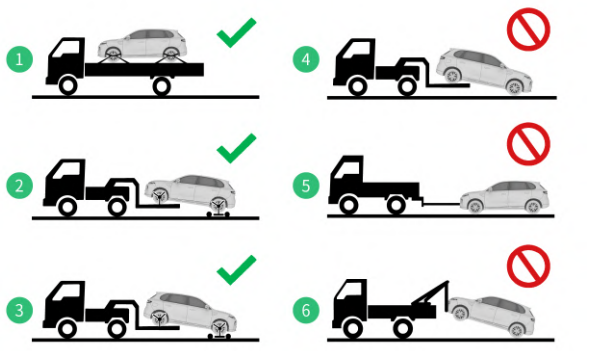
Always wear a full set of personal protective equipment. Operating an underwater vehicle without proper personal protective equipment may result in serious injury or even life-threatening consequences.

8. Towing / transportation / storage

The motor of Leapmotor B10 generates electricity when the wheels rotate. During transportation, the four tires must be off the ground. Make sure that the tires do not skid at any time during transportation.

During transportation, do not place the tire in a position where it can rotate. Otherwise, it will cause serious damage and overheating. In rare cases, extreme overheating may cause the surrounding units to catch fire.

Be careful of battery reignition. After a fire occurs, keep a safe distance (50 feet/15 meters) from other vehicles and buildings outdoors.



When a vehicle requires towing, it should be done by a professional towing company. It is recommended that the vehicle be towed by a flatbed truck. If the conditions are insufficient, the vehicle can be towed with a wheel-lifting truck as needed.

Use towing methods 1 , 2 , and 3 , and do not use towing methods 4 , 5 , and 6 shown in the picture. The towing method 2 3 can only be used for straight-line towing or on roads without sharp turns. No one is allowed to stay in the vehicle during the towing process. For long-distance transport, use the trailer method shown in the picture 1 .

When the tow truck cannot enter for rescue, other vehicles can be temporarily used. Before towing, disconnect the vehicle's high voltage, switch the gear to Neutral (N), and release the parking brake. The towing speed should be less than 30km/h. The towing distance should be less than 2km (the interval between each towing should be more than 5 minutes). Once the vehicle has been towed to a location where a tow truck can be used, towing method 1 should be adopted.

If the flatbed truck cannot normally tow the vehicle, you can use the rigid connection method to tow the vehicle to a safe area and wait for rescue in an emergency. When a rigid connection is used, long-distance towing should be avoided, and the towing speed must not exceed 5km/h. The vehicle can only be towed away from the scene if it is ensured that there is no safety risk. If the vehicle's battery bank deforms, leaks, smokes, etc., the priority is to avoid safety risks.

The vehicle is equipped with high voltage components which could be damaged in a collision. These parts should be assumed to be energized before transportation. Always follow high-voltage safety precautions (wearing personal protective equipment, etc.) until emergency responders have assessed the vehicle and accurately confirmed that all high-voltage systems are de-energized, and the power cutoff has been completed, or serious injury could result.

Push the vehicle

Pushing a vehicle is only allowed when it is necessary to move it a short distance to enhance traffic safety. For more instructions on how to transport the vehicle, please refer to the user manual displayed on the infotainment screen. Damage caused during transportation is not covered by the warranty.

Pushing the vehicle when it is not in Neutral (N) may cause the drive motor to overheat, and if electrical parts are exposed, there may be a potential risk of electric shock.

In situations where the risk of fire or high-voltage contact is extremely low (e.g., when a vehicle cannot start after stopping at an intersection) and a low-voltage power supply is available, the vehicle can be quickly pushed to clear the roadway. If the driver is in the vehicle, shift it to Neutral (N) and push it. If the driver is not in the vehicle, when it is detected that the driver has left, the vehicle may automatically switch to Park (P), even if it has been switched to Neutral (N) before.

9. Important additional information

This document contains important instructions and warnings to be followed when handling the Leapmotor B10 in emergencies.

Always use appropriate rescue tools and wear suitable personal protective equipment; otherwise, it may lead to serious injury or even endanger life.

Be careful of battery reignition. After a fire occurs, keep a safe distance (50 feet/15 meters) from other vehicles and buildings outdoors.

After the fire is extinguished, the high-voltage circuit takes two minutes to cut off.

The supplemental restraint system control unit has a backup power supply, which discharges in approximately 10 seconds. Do not touch the supplemental restraint system control unit within 10 seconds after the airbag or pretensioner has deployed.

Operating an underwater vehicle without proper personal protective equipment may result in serious injury or even life-threatening consequences.

In the event of a fire, assume that the entire vehicle is energized and always wear full personal protective equipment, including a self-contained breathing apparatus.

Regardless of the disabling procedure used, always assume that all high voltage components are energized. Cutting, crushing, or touching high voltage components may result in serious injury or life-threatening consequences.

During transportation, do not place the tire in a position where it can rotate; otherwise, it will cause serious damage and overheating. In rare cases, extreme overheating may cause the surrounding units to catch fire.

Contact details

Manufacturer name: Leapmotor Automobile Co., Ltd.

Official website: https://www.leapmotor.net/assistance

10. Explanation of pictograms used

	Use thermal Infrared camera		Bonnet
	Boot		General warning sign
	Warning, Electricity		Flammable
	Explosive		Corrosives
	Hazardous to the human health		Acute toxicity
	Gases under pressure		Use water to extinguish the fire
	Seat height adjustment		Seat adjustment, longitudinal
	Steering wheel, tilt control		Air-conditioning component