INFORMATION FOR FIRST AND SECOND RESPONDERS

EMERGENCY RESPONSE GUIDE FOR VEHICLE

Leapmotor C10

Hybrid Vehicle

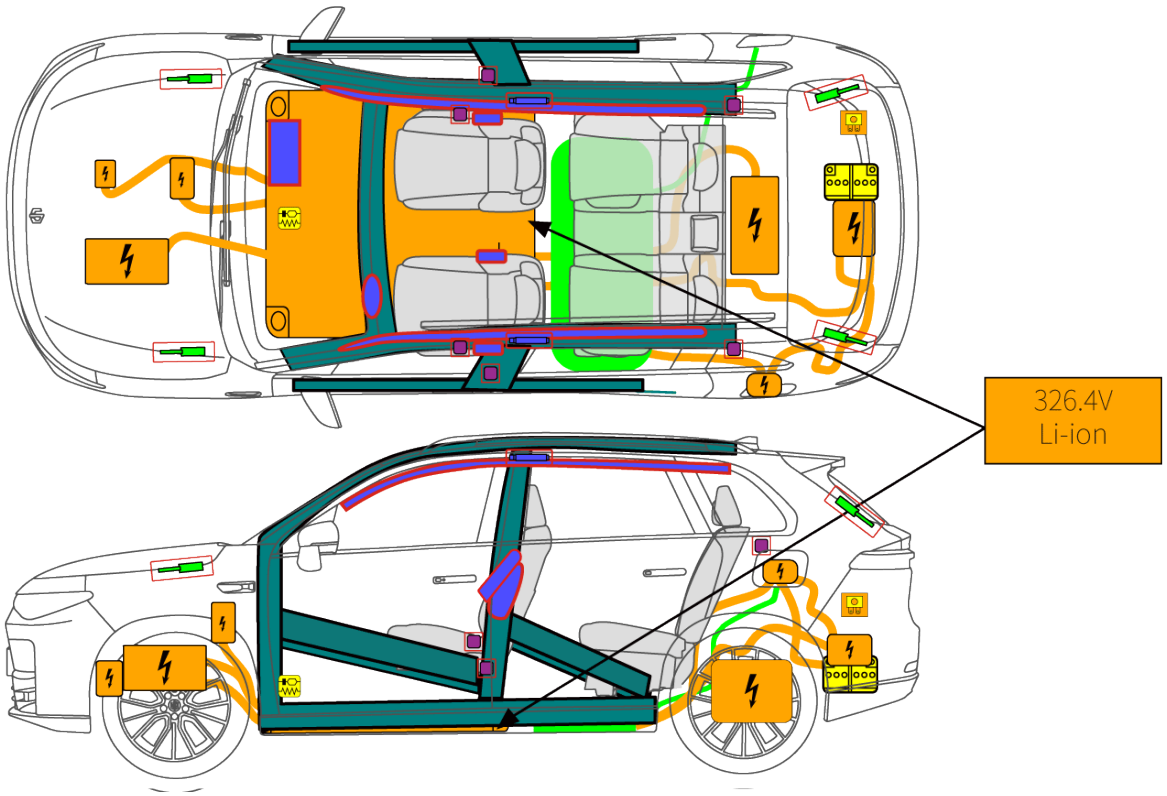
Version No.: 001

Catalogue

Leapmotor C10

5 doors, 5 seats, SUV

2024—



	Airbag		Stored gas inflator		Seat belt pretensioner		SRS control unit
	Battery low voltage		Gas strut / Preloaded spring		High strength zone		High-voltage component
	High voltage power cable		Fuse box that disables high voltage		Battery pack, high-voltage		Fuel tank

	Leapmotor C10 2024-	Document number	Version No.
		Leapmotor-2024-001	01

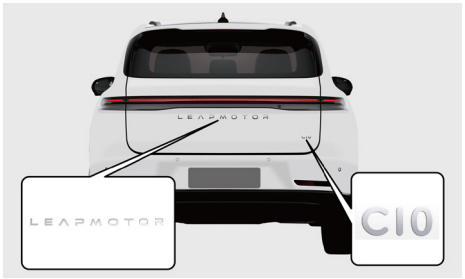
1. Identification / recognition

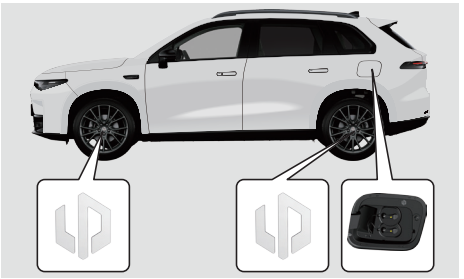
Lack of engine noise does not mean vehicle is off. Please wear appropriate personal protective equipment.

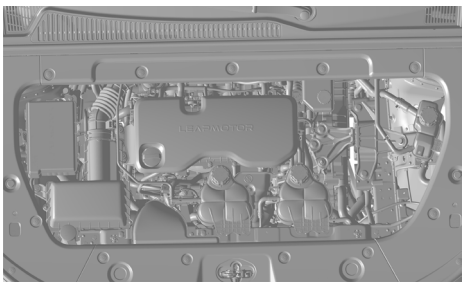
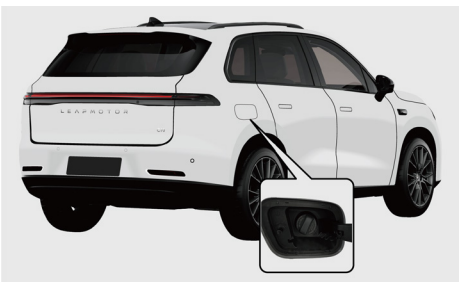
Appearance identification

Leapmotor C10 can be identified through the vehicle logo and VIN on the liftgate.

The hybrid model has an engine in the engine compartment, and an additional fuel filling port on the right side compared to the pure electric model.



Vehicle identification number (VIN)

Leapmotor C10 can be identified through the vehicle identification number (VIN). Pasted on the sheet metal cross beam at the left lower side of the front windshield.

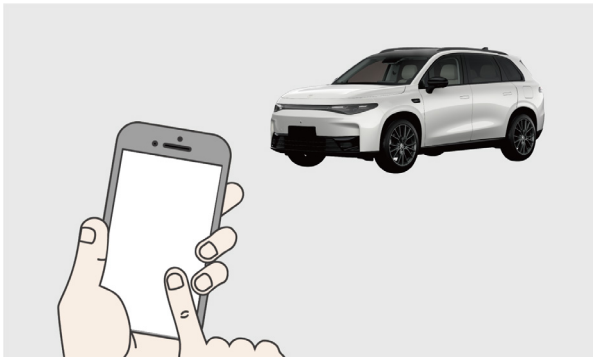
The VIN is the vehicle's identity code, which is unique, consisting of 17 characters, including information such as manufacturing country, manufacturer, year, vehicle feature code, etc. The VIN can also be found in various locations such as the left shock tower (pasted), front part of the bonnet inner panel (pasted), left front door sheet metal (pasted), sheet metal of the inner panel at the left side of liftgate (pasted), right rear wheel housing (pasted), right front door sheet metal (pasted), and floor cross member under the passenger seat (engraved).

Vehicle key

Leapmotor C10 has three types of keys:

• **NFC Card Key** - By tapping the NFC recognition area on the driver side exterior rearview mirror with a valid NFC card key for at least 1s, the vehicle can be unlocked or locked when the NFC key is detected.

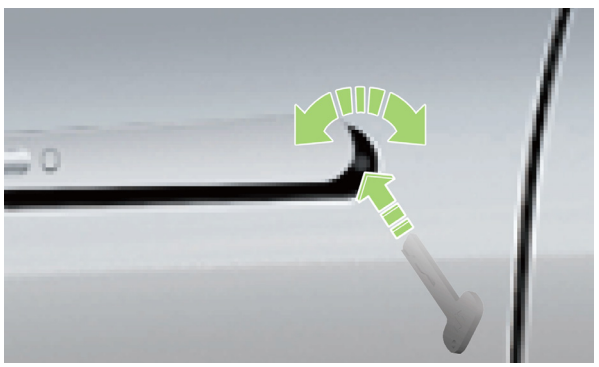
● **Cell Phone Bluetooth Key** - Leapmotor C10 can use a Bluetooth key connected to the vehicle instead of traditional vehicle keys for vehicle control. Establish a Bluetooth connection between the mobile phone and the vehicle and only after authentication can the mobile phone be recognised as a legitimate key. For information on connecting mobile phone to vehicle's Bluetooth key, refer to the User's Manual.



● **Mechanical Key** - If the NFC card key and cell phone Bluetooth key of Leapmotor C10 cannot unlock/lock the door, use the mechanical key to unlock/lock the driver side door.

1. Manually press the front end of the driver side door handle to expose the mechanical lock cylinder.

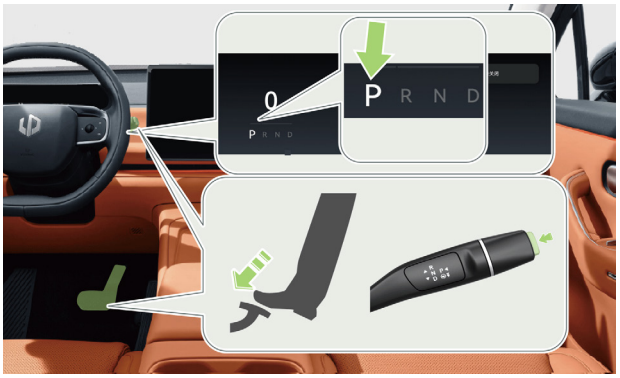
2. Insert the mechanical key into the lock cylinder. Turn the key clockwise to unlock the driver side door; turn the key counterclockwise to lock the driver side door.



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

2. Immobilisation / stabilisation / lifting

Immobilisation



1. Parking

Press the brake pedal to bring the vehicle to a smooth stop, press the button on the top of the gear shift lever to switch to P gear and put it into parking status.

When Leapmotor C10 is in the P gear, the parking brake will automatically engage, the P gear indicator on the instrument cluster will light up. Release the brake pedal, and the vehicle parking is completed.

2. Fixing the wheels

To prevent danger caused by unsecured wheels, place wedges in front and behind the four wheels to effectively prevent the vehicle from moving unexpectedly.

3. Confirm vehicle ON/OFF

Use a legal NFC key to touch the card swiping area (driver's exterior rearview mirror) for 1s. After the vehicle detects the NFC key, the ON/OFF function can be realized.

1: Exterior rearview mirrors unfolded. Meanwhile, the direction indicator lamp flashes twice and the vehicle switches from OFF to ON.

2: Exterior rearview mirror folded. Meanwhile, the direction indicator lamp flashes once, the horn sounds, and the vehicle switches from ON to OFF.

Be careful not to damage the traction battery bank when stabilizing the vehicle!

The automatic folding/unfolding of the rearview mirror and the door lock chimes can be set on/off on the Infotainment Screen.

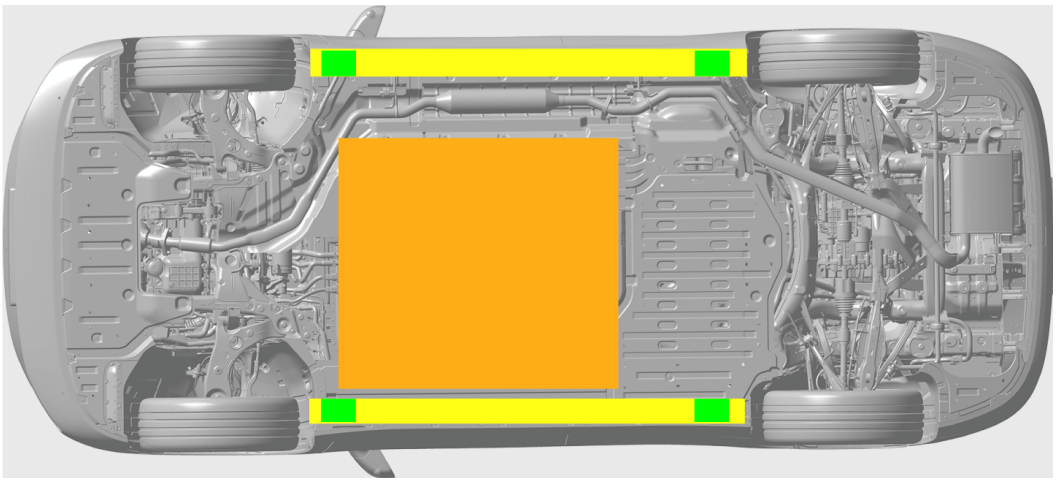
Stabilizing / lifting points

The traction battery of Leapmotor C10 is located under the vehicle base plate. The traction battery occupies most of the area under the vehicle. When lifting Leapmotor C10, only the designated lifting area can be used, as shown in green.

Be careful not to damage the traction battery when stabilizing/lifting the vehicle!

Only professional staff wearing professional equipment and familiar with the lifting points of the vehicle can lift the vehicle. Operate carefully to ensure that there is no contact with the traction battery or other high-voltage components when lifting/lowering the vehicle!

Do not use the traction battery area of Leapmotor C10 for lifting/lowering operations!



	Safe lifting point
	Side safety stabilizing point
	Traction battery

3. Disable direct hazards / safety regulations

Cutting the emergency response circuit

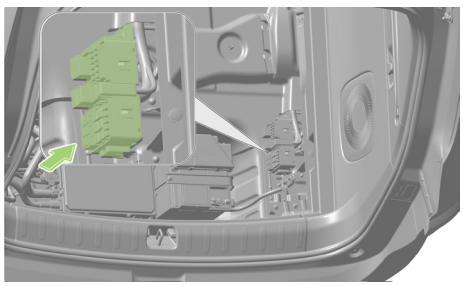
Use the following methods to open the liftgate:

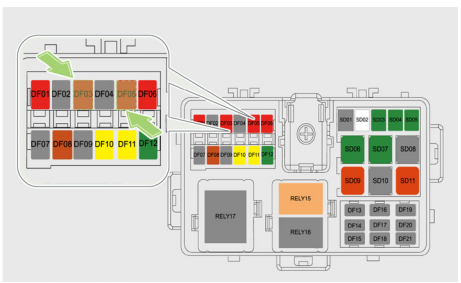
1. On the centre console display screen, open "Settings-Doors and Windows" interface, touch the liftgate button on the "Doors and Windows" interface to unlock/open the liftgate (the power liftgate can open automatically, while the manual liftgate needs to be lifted manually).

2. Press the button located on the liftgate to unlock/open the liftgate (the power liftgate can open automatically, while the manual liftgate needs to be lifted manually).

Main disabling method

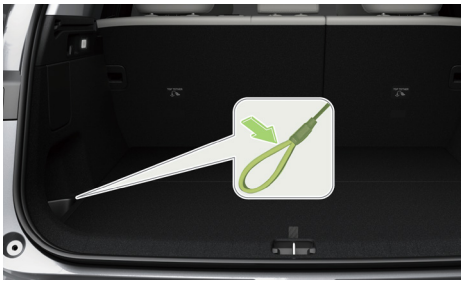
Open the rear trunk cover plate and toolbox, open the floor fuse box cover, and pull out the high-voltage fuses DF03 and DF05.





Wear appropriate PPE (rubber insulating gloves/insulated rubber shoes/tools with insulating protective sleeve/goggles). Do not attempt to open the traction battery!

Emergency unlocking of AC slow charger



1. When the vehicle is being charged by AC slow charger, if the charger cannot be unplugged after multiple unlockings, you can open the liftgate and remove the storage box on the left side of the trunk.

2. Find the emergency unlocking mechanical cable of the AC slow charger, pull the unlocking cable, and then pull out the charger.

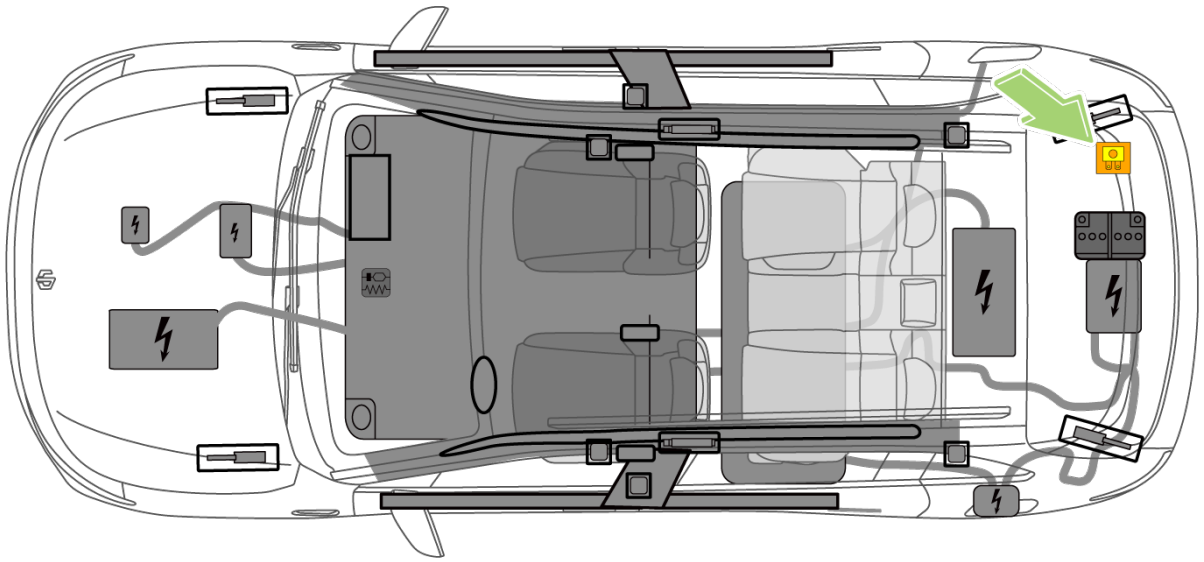
Fuse box that disables high voltage

When unplugging the high-voltage fuse, if the emergency response circuit is cut off, the low voltage battery of the traction battery will be disconnected, and the high-voltage contactor inside the traction battery will be disconnected to cut off the high-voltage output of the vehicle high voltage components.

The emergency response circuit breaker is located in the vehicle's floor fuse box.

The high voltage contactor is like a light switch. When it is "ON" or in the "OFF" position, the lights in the room will turn off, isolating the high voltage to the battery pack. When it is "OFF" or in the "ON" position, the lights in the room will turn on, connecting the high voltage in the battery pack to the high voltage components. On the Leapmotor C10, high-voltage components include the drive system, compressor, water heater, charging system, etc.

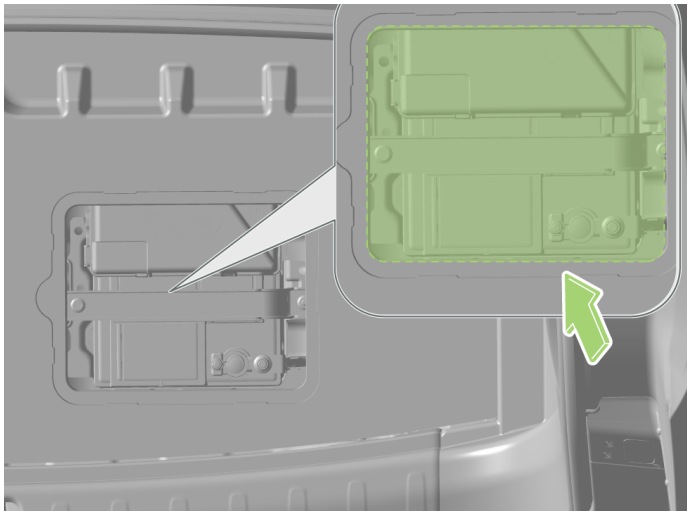
When the vehicle is involved in an accident and the emergency response circuit is cut off, the battery pack and the high voltage components must always be considered live because the battery pack will still store energy in the battery and it is not known if other high voltage components are damaged. Consider each orange cable and battery pack as a high voltage. Do not disconnect the orange high voltage power cable or damage the battery pack.



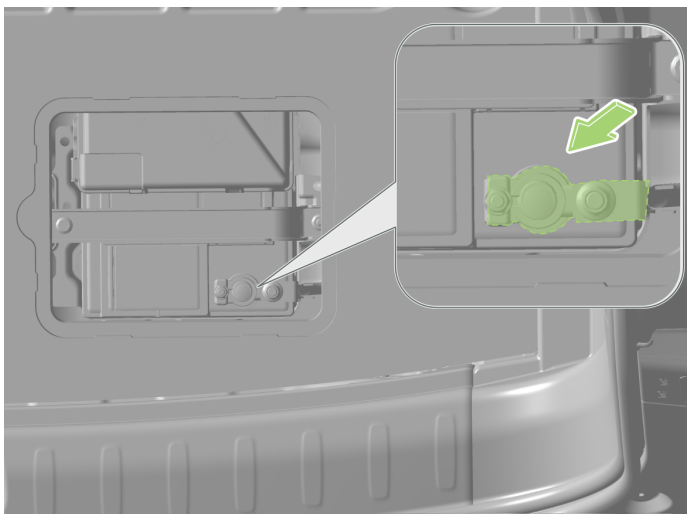
Battery low voltage

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

The fixing clamps for the poles of the low-voltage battery should be installed securely and in good contact to prevent sparks and fires.

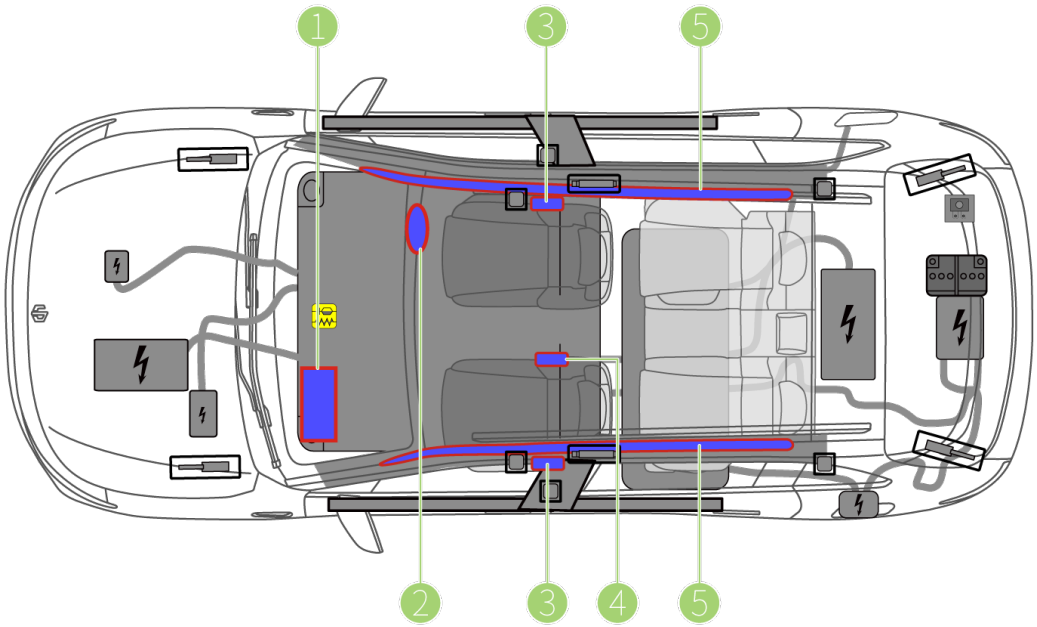


Vehicle power-off: Open the rear trunk cover plate, use tools to loosen the fixing nut of the negative pole of the battery, unplug the 12V battery negative cable, and disconnect the 12V battery power.



Airbag

The airbag is located in the approximate area shown in the diagram below. The airbag warning information is printed on the sun visor.



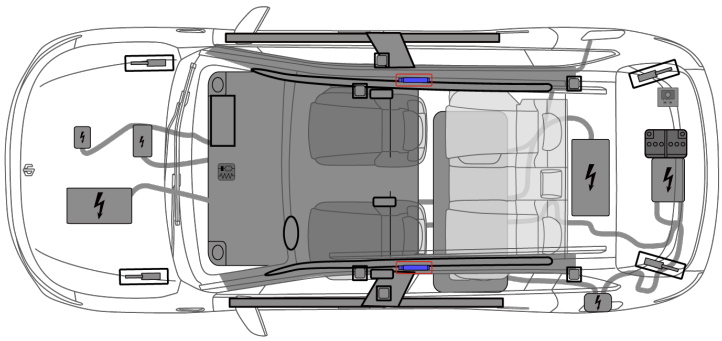
1. Front passenger seat airbag
2. Driver airbag
3. Front-row side airbag
4. Far-side airbag
5. Side curtain airbag

When the airbag are deployed by the SRS control unit, a fuse that disables the vehicle's high-voltage system will also be triggered.

When the airbag deploys, all high voltage components and cables of Leapmotor C10 outside of the traction battery will lose high voltage. Be careful! Do not cut off any orange high voltage power cables or attempt to restart the battery pack. Even if the high-voltage system is shut down due to the deployment of the airbag, it must be assumed that there may still be high-voltage power in all high voltage components and power cables. The traction battery units inside the battery pack are used to store energy and must not be damaged by rescue tools.

Stored gas inflator

The stored gas inflator, marked in red, is located near the roof at both ends of the B-pillars.

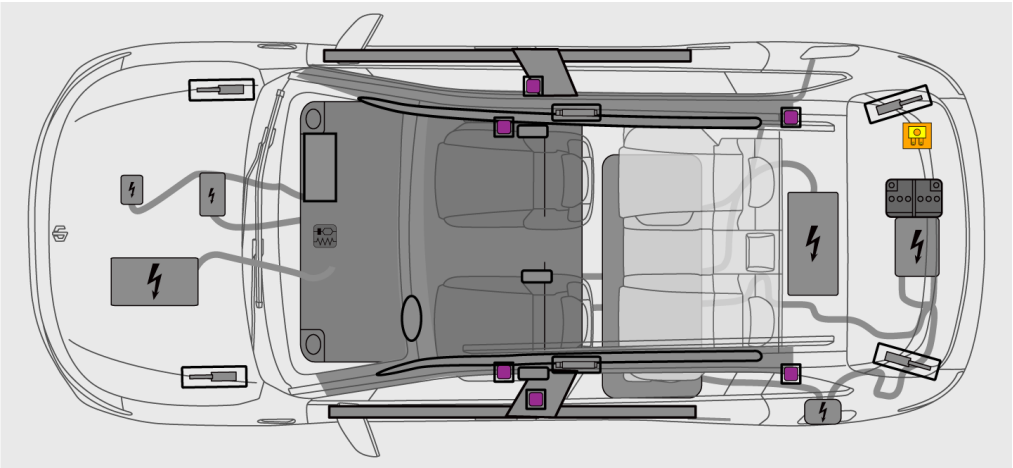


Rescue personnel must not cut off or damage the stored gas inflator.
Cutting or compressing the stored gas inflator can result in catastrophic failure, leading to injury or death.

The SRS control unit has a backup power supply that discharges in approximately 10s.
Do not touch the SRS control unit within 10s after the airbag or pretensioner deploys.

Seat belt pretensioner

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



The SRS control unit has a backup power supply that discharges in approximately 10s.
Do not touch the SRS control unit within 10s after the airbag or pretensioner deploys.

4. Access to the occupants

The front seats are electrically adjusted and may not work after a collision.

After a collision, the liftgate may not be opened from the outside. Internal emergency opening is required.

Open doors from the outside

When the vehicle is unlocked, press the recessed feature on the door handle with your finger to tilt the back end of the door handle and pull it to open the door. When released, the door handle will retract automatically.

If the vehicle is not powered on and the NFC key card cannot be used to unlock, use the mechanical key to open the driver side door. Refer to Vehicle Keys - Mechanical Key.

Open doors from the inside

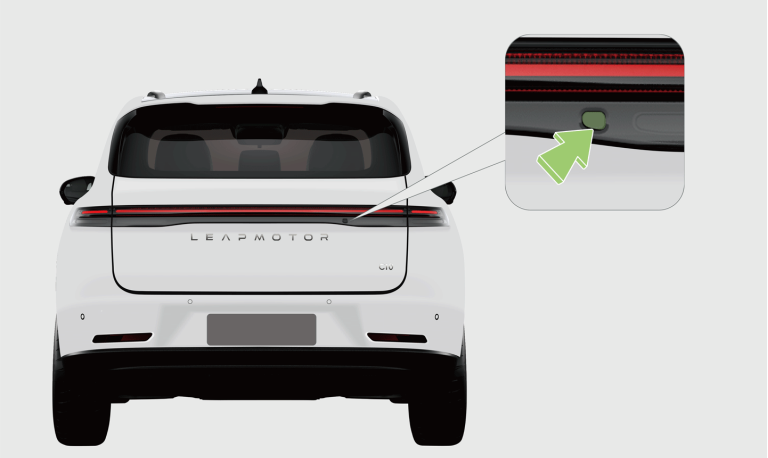
With the door unlocked, locate the interior door handle. Pull up the interior door handle towards the inside to open the corresponding side door.

Boot

Use the following methods to open the liftgate:

1. On the centre console display screen, open "Settings-Doors and Windows" interface, touch the liftgate button on the "Doors and Windows" interface to unlock/open the liftgate (the power liftgate can open automatically, while the manual liftgate needs to be lifted manually).

2. Press the button located on the liftgate to unlock/open the liftgate (the power liftgate can open automatically, while the manual liftgate needs to be lifted manually).



Steering wheel, tilt control

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

1. Release the steering wheel adjustment handle outward.

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

3. After proper adjustment, push back the steering wheel adjustment handle and lock the steering wheel.

4. Shake the steering wheel up and down to confirm that the steering wheel is securely locked in the front and back, up and down positions.

Seat adjustment, longitudinal / Seat height adjustment

Leapmotor C10 is equipped with power seats that can be adjusted in 6 directions.

Push the seat position adjustment switch forward or backward in the direction indicated by arrow 1, the seat will slide forward or backward. Release the adjustment switch, the seat will stop sliding.

Push or press on the seat position adjustment switch in the direction indicated by arrow 2, the seat will raise or lower. Release the adjustment switch, the seat will stop lifting/lowering.

Push the seat position adjustment switch forward or backward in the direction indicated by arrow 3, the backrest will lean forward or backward. Release the adjustment switch, the backrest will stop tilting.

The power seats will not be adjustable when the vehicle is not powered on.

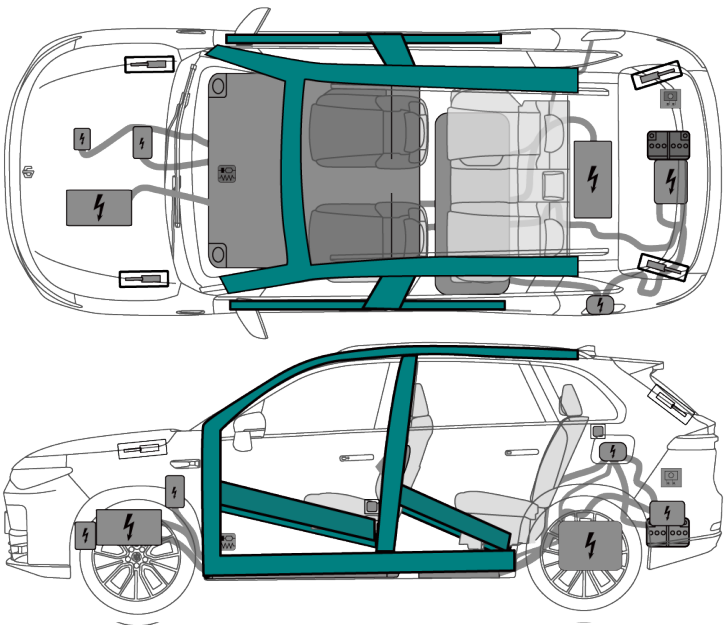
When performing passenger rescue, always check the rear seat area for passengers to avoid missing anyone.

Bonnet

The bonnet release handle is located at the lower left of the instrument panel. Pull the hood release handle twice and lift the front bonnet to open it.

High strength zone

Leapmotor C10 has been reinforced to protect occupants in a collision. Suitable tools must be used to cut or crush these areas. The high strength zone are indicated in blue below.



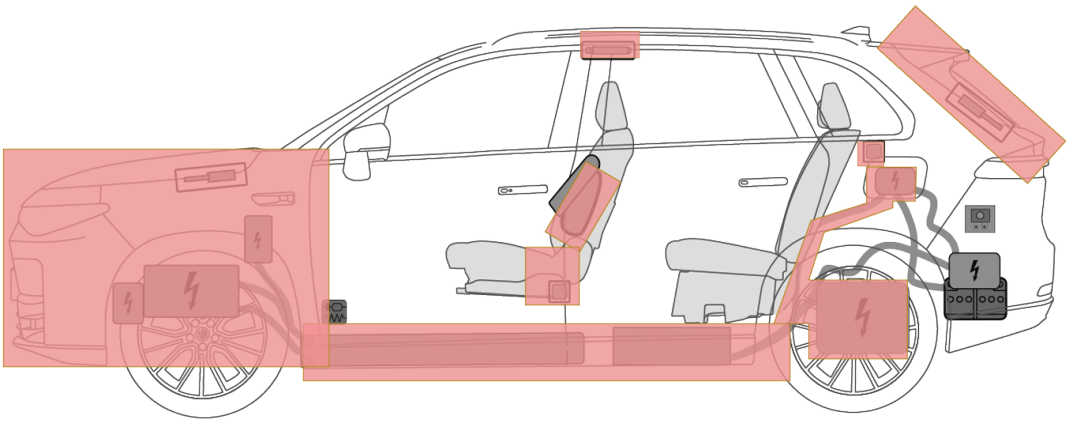
When cutting Leapmotor C10, be sure to use the appropriate tools, such as a hydraulic cutting machine, and wear proper personal protective equipment. Failure to follow these instructions could result in serious injury or death.

Regardless of the tool used, always assume all high voltage components are live! Cutting, crushing, or contacting with high voltage components can result in serious injury or death.

Vehicle cutting area

Due to the presence of high voltage, stored gas inflators, gas springs, and other hazardous units, some areas are defined as "Prohibited cutting area".

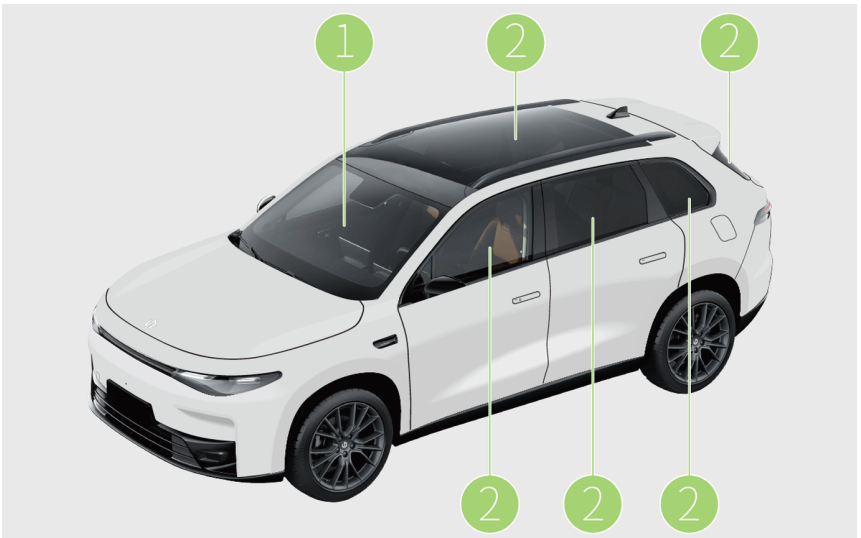
Do not cut or crush these areas. Failure to do so could result in serious injury or death. The "Prohibited cutting area" is indicated in pink.



: Prohibited cutting area.

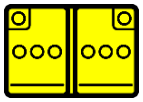
Glass type

The front windshield is laminated glass, while the rest are tempered glass.



1. Laminated glass
2. Tempered glass

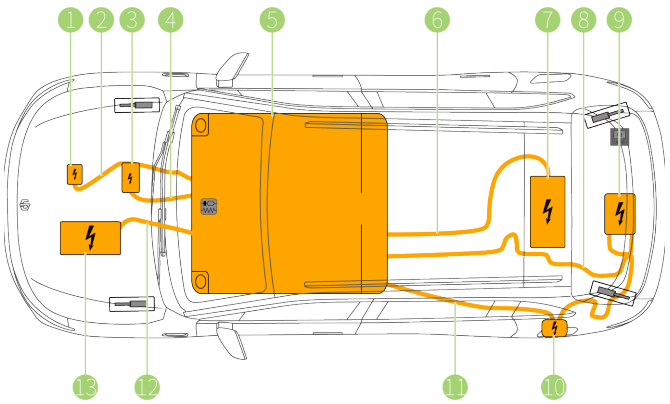
5. Stored energy / liquids / gases / solids

		50L
		12V
		326.4V
		620 ± 20g

When the coolant leaks from a battery pack, it can become unstable, posing a risk of thermal runaway. Check the battery pack temperature with a thermal infrared camera.

If the vehicle is involved in a crash that results in the leakage of traction battery liguid, it should be handled by a professional rescuer, who must wear the correct personal protective equipment and never touch the liquid directly.

High-voltage component



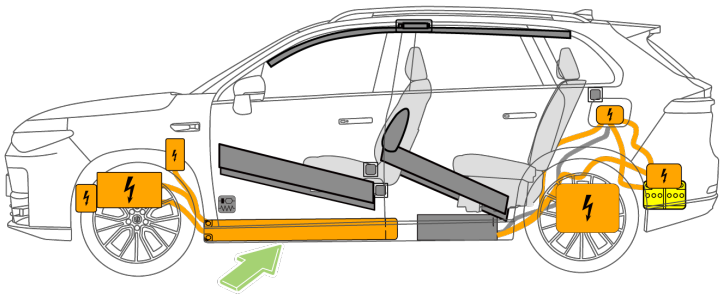
1. Electric compressor
2. High voltage power cable (electric compressor)
3. PTC water heater
4. High voltage power cable (PTC water heater)
5. Traction battery
6. High voltage power cable (drive motor assembly)
7. Drive motor assembly
8. High voltage power cable (two-in-one power supply assembly)
9. Two-in-one power supply assembly
10. Charging port
11. High voltage power cable (charging port)
12. High voltage power cable (generator and generator control unit)
13. Generator and generator control unit

Battery pack, high-voltage

Leapmotor C10 is equipped with a 326.4V Li-ion battery. In case of liquid leakage when the traction battery is damaged, don't touch these liquids.

When lifting from under the vehicle, be careful not to damage the traction battery. Be especially careful not to damage the chassis when using rescue tools.

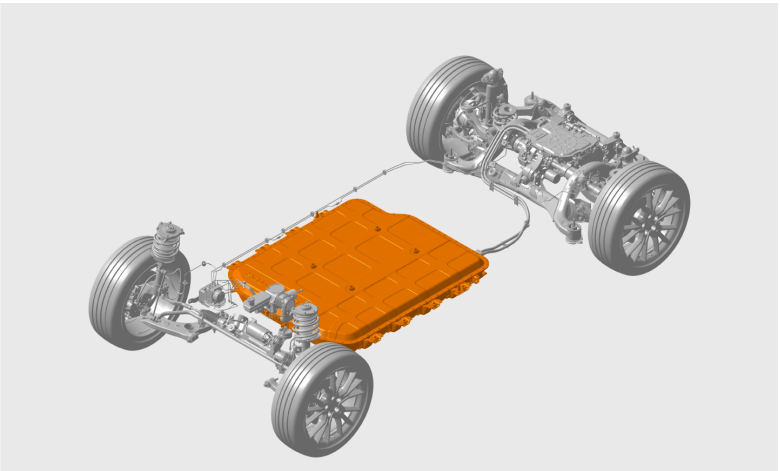
Please refer to Chapter 2: Lifting for instructions on how to properly lift the vehicle.



Vehicle chassis

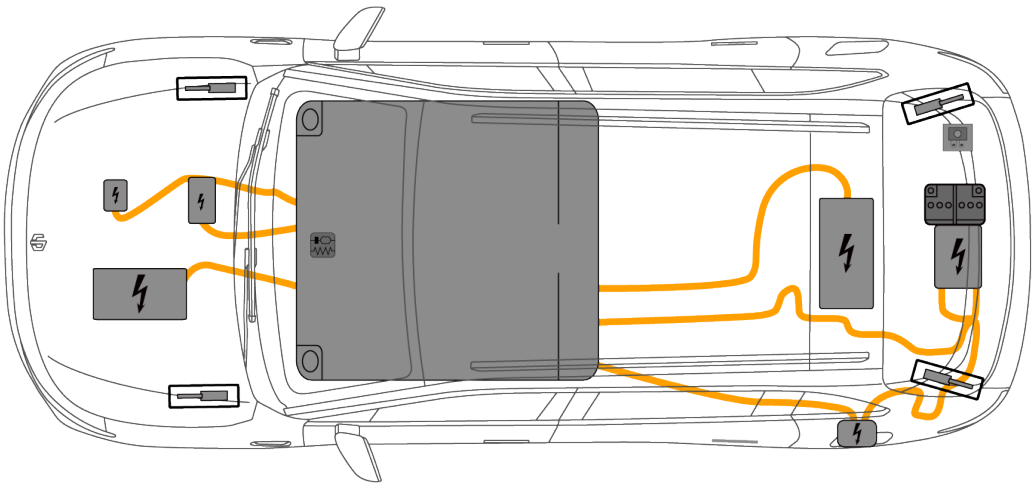
The traction battery is located under the base plate. Do not squeeze the chassis inside the Leapmotor C10, as this may damage the traction battery or high-voltage cables,

leading to serious injury or death. Rescue tools should never be used on traction battery.



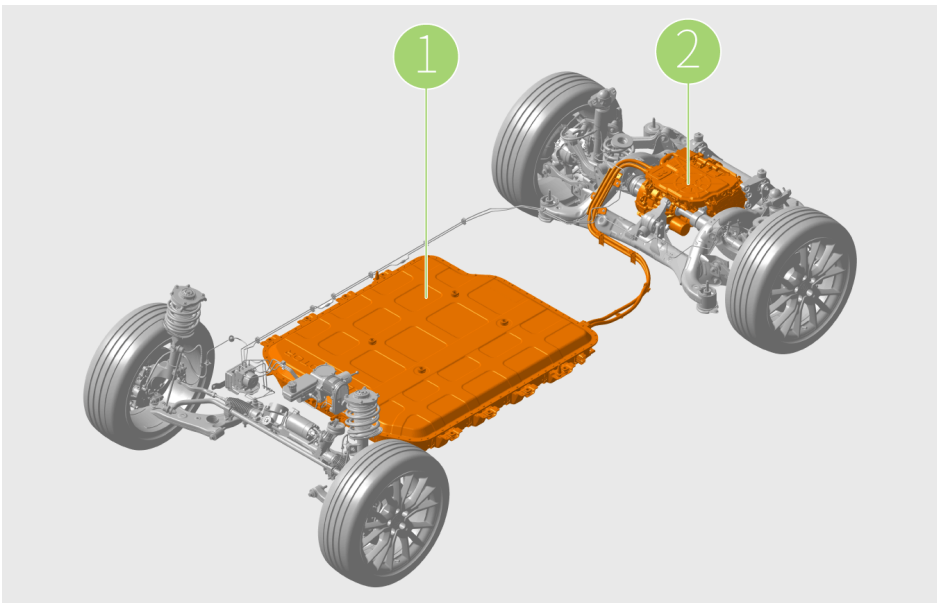
High voltage power cable

High voltage power cables are indicated in orange-yellow. Rescue tools must not damage these high voltage power cables. At no time should any high voltage power cable be damaged by rescue tools. It should be assumed that high voltage is present in orange-yellow high voltage power cables at all times.



Drive motor

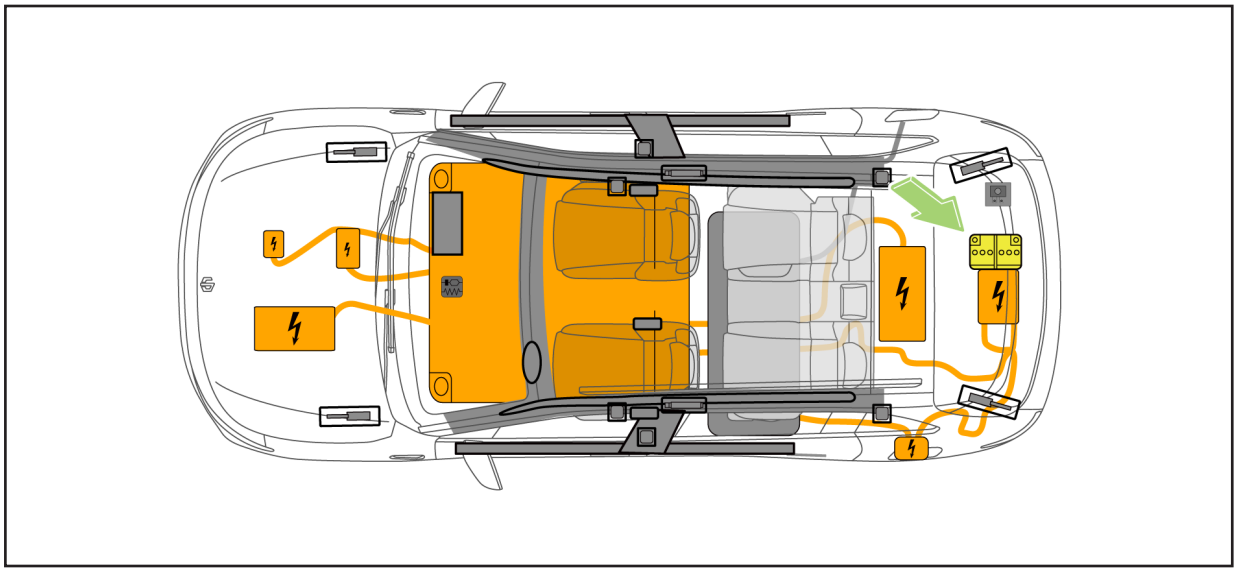
The drive motor is located between the rear wheels. The drive inverter is located inside the drive motor. The drive motor converts direct current (DC) from the traction battery into alternating current (AC) for the drive motor to drive the wheels.

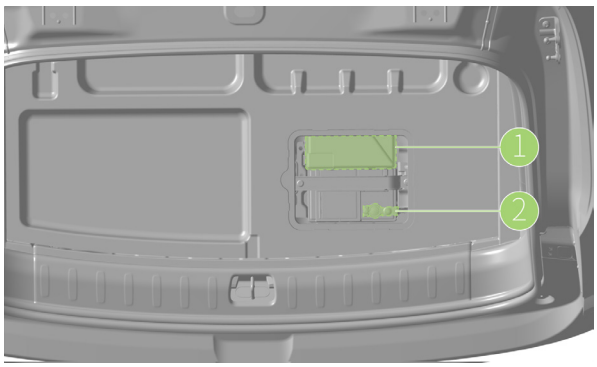


1. Traction battery
2. Drive motor assembly

Battery low voltage

In addition to the high-voltage system, Leapmotor C10 also has a low-voltage electrical system. Its low-voltage battery powers the supplemental restraint system, airbag, windows, door locks, centre console display screen, and lights. The high-voltage system charges the low-voltage battery, which powers the high-voltage contactor to allow high-voltage current to flow in or out of the traction battery.

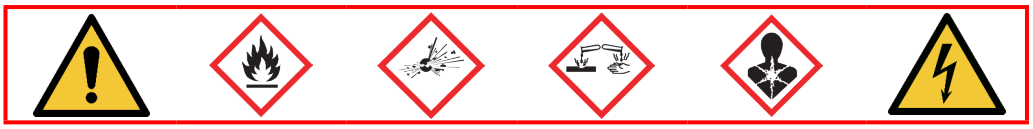




1. Low-voltage battery positive
2. Low-voltage battery negative

6. In case of fire

Fire extinguishing



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

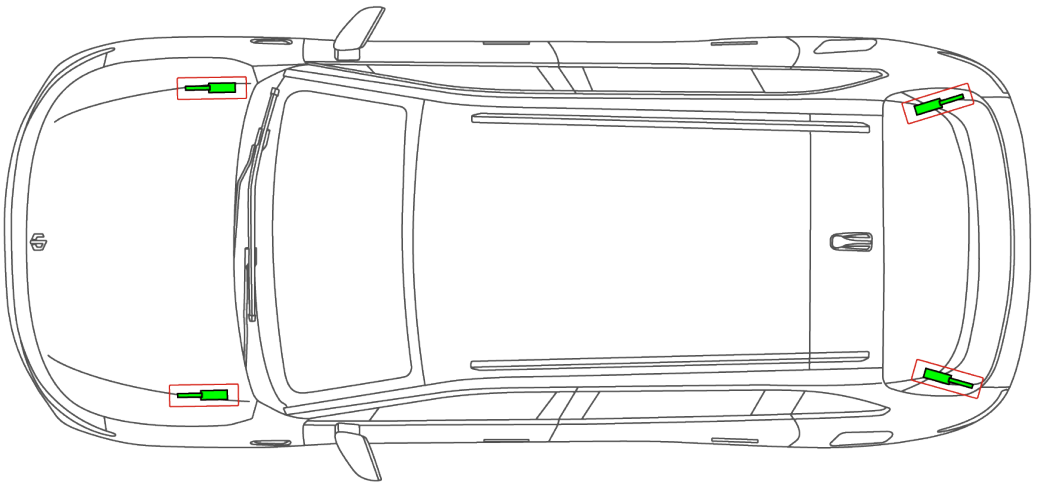
Use water to extinguish the fire.

BATTERY RE-IGNITION!

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

Use water to extinguish traction battery fires. If the battery is on fire, overheating, or generating heat or gas, use a large amount of water to cool the battery. If water is not available, use other typical fire extinguishing agents such as carbon dioxide, foam, etc. (do not use dry powder fire extinguishers).

Explosive risk for gas strut / Preloaded spring of bonnet and liftgate!



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

Use typical vehicle fire-fighting procedures to extinguish small fires that do not involve the traction battery.

During the extinguishing process, do not touch high-voltage components. Insulating tools should be used when extinguishing fires.

Heat and flame can endanger the airbag inflator, gas storage cylinders, gas spring, and other components that may accidentally overheat, leading to cylinder explosions.

Use thermal infrared camera

After all flames and smoke are significantly weakened, a thermal imaging camera can be used to measure the temperature of the traction battery and monitor the heating or cooling trend. The vehicle can only be handed over to the second responder (e.g. law enforcement, vehicle transport personnel, etc.) after the traction battery has been without fire, smoke, or heat for at least one hour. Before handing over the vehicle to the second responder or leaving the incident scene, the battery must be completely cooled down. Be sure to inform the second responder of the reignition risk of the battery.

Damaged Leapmotor C10 traction battery in flooding, fire, or collision should be stored in an open area at least 50ft (15m) away from any exposed materials due to the risk of reignition.

In the event of a fire, assume the entire vehicle is energized. Be sure to wear full PPE, including a self-contained breathing apparatus.

Traction battery - fire damage

Both the traction battery and the drive motor are liquid-cooled using a coolant. In case of liquid leakage when the traction battery is damaged, don't touch these liquids.

A damaged traction battery can cause the battery unit to heat up rapidly. If there are smoke, steam, or popping or "hissing" sounds coming from the traction battery, assume that the battery is heating up and take appropriate measures as mentioned above.

Burning batteries can release overheated gases and toxic vapours. This may include volatile organic compounds, hydrogen gas, carbon dioxide, carbon monoxide, soot, and particles containing nickel, aluminium, lithium, copper, cobalt, and hydrofluoric oxide. Emergency personnel should always use full personal protective equipment (including SCBA) to protect themselves and take appropriate measures to protect civilians from the incident.

7. In case of submersion

There is a greater risk of electric shock when the vehicle body of Leapmotor C10 is in the water. Therefore, when dealing with submerged vehicle, be sure to wear appropriate personal protective equipment for water rescue. Disconnect the high voltage power after rescuing the vehicle from the water.

Due to the potential risk of traction battery fire, extra caution should be taken when dealing with submerged vehicles. First responders should be prepared to respond to potential fire risks. Raise the front of the vehicle to allow water to drain from the vehicle and traction battery pack. After rescuing the vehicle from the water, continue with normal high voltage disabling procedures as specified in Chapter 3.

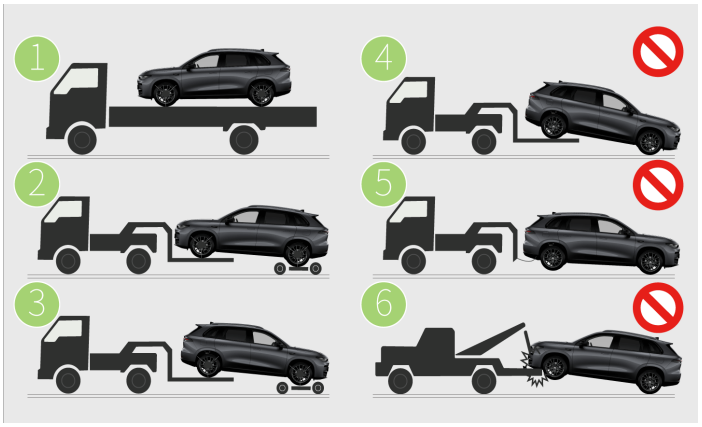
Be sure to wear full PPE. Working on a submerged vehicle without wearing proper personal protective equipment could result in serious injury or death.

8. Towing / transportation / storage

The rear-mounted motor of Leapmotor C10 can generate power when the wheels rotate. All four wheels must be off the ground during transportation. Ensure that the tyres do not slip at any time during transportation.

Do not place the tires in a position where they can rotate during transportation. This will result in serious damage and overheating. In rare cases, extreme overheating may cause surrounding components to catch fire.

Beware of battery reignition! After a fire, keep a safe distance outdoors from other vehicles and buildings (50ft/15m).



When the vehicle needs to be towed, it should be towed by a professional towing company. It is recommended to tow the vehicle with a flatbed truck. If the conditions are not sufficient, the vehicle can also be towed by a wheel-lifting cargo truck as needed.

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

When the towing vehicle cannot enter for rescue, other vehicles can be used for towing rescue. Disconnect the high voltage of the vehicle, put the gear in N gear, 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 5min). After the vehicle is towed to a position where the towing vehicle can be used, towing should be carried out using towing method 1 .

If a platform truck cannot be used to tow the vehicle normally, the rigid connection method can be used to urgently tow the vehicle to a safe area and wait for rescue. When using rigid connection, long-distance towing should be avoided, and the towing speed should not exceed 5km/h. The vehicle can only be towed away from the scene under the premise of ensuring that there is no safety risk. If the vehicle's battery pack is deformed, leaking, or smoking, the safety risk should be addressed first.

The vehicle is equipped with high-voltage components that may be damaged in a collision. Before transportation, it is important to assume that these components are energized. Always follow high-voltage safety precautions (wear personal protective equipment, etc.) until emergency response professionals have evaluated the vehicle and can positively confirm that all high voltage systems are no longer energized. Failure to do so could result in serious injury.

Car pushing

The following instructions are only for moving Leapmotor C10 a short distance to improve traffic safety. For more instructions on how to transport Leapmotor C10, please refer to the *User Manual* on the centre console display screen or delivered with the vehicle, damage caused during transportation is not covered by the warranty.

Pushing Leapmotor C10 while the vehicle is not in neutral gear may cause the drive motor to overheat and, if the electrical components are exposed, even if the emergency response circuit is cut off, may result in a potential risk of electric shock.

With minimal risk of fire or high-voltage exposure (e.g., vehicle not accelerating after stopping at an intersection) and a low voltage battery present, Leapmotor C10 can be pushed quickly to clear the road. If a driver is present, simply switch Leapmotor C10 to N gear and push the vehicle. If the driver is not present, Leapmotor C10 may automatically switch to P gear when it detects that the driver leaves the vehicle (even if the vehicle was previously in N gear).

9. Important additional information

This document contains important instructions and warnings that must be followed when handling Leapmotor C10 in emergency situations.

Always use appropriate rescue tools and wear proper PPE. Failure to follow these instructions could result in serious injury or death.

Beware of battery reignition! After a fire, keep a safe distance (50ft/15m) outdoors from other vehicles and buildings.

After extinguishing a fire, the high-voltage circuit takes 2min to power off.

The supplemental restraint system control unit has a backup power supply that discharges in approximately 10s. Do not touch the supplemental restraint system control unit within 10s after the airbag or pretensioner deploys.

Working on a submerged vehicle without wearing proper personal protective equipment could result in serious injury or death.

In the event of a fire, assume the entire vehicle is energized. Be sure to wear full PPE, including a self-contained breathing apparatus.

Regardless of the use of disabling procedures, always assume all high voltage units are energized! Cutting, crushing, or touching high voltage components may cause serious personal injury or death.

Do not place the tires in a position where they can rotate during transportation. This will result in serious damage and overheating. In rare cases, extreme overheating may cause surrounding components to catch fire.

Contact information

Name of manufacturer: 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		Corrosive
	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
	Hybrid Electric Vehicle on fuel of liquid group 2		