MAXUS

MAXUS

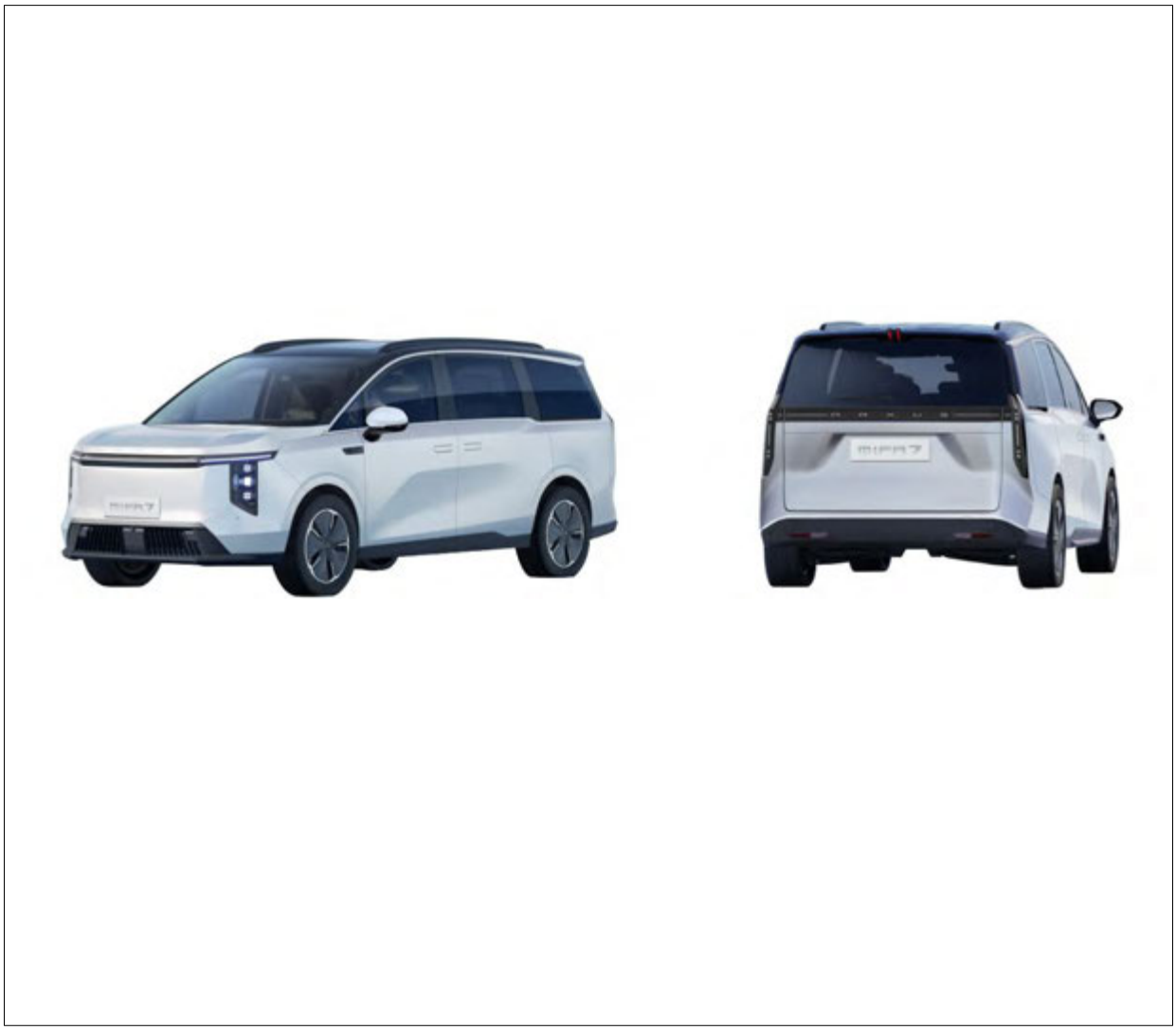
INFORMATION FOR FIRST AND SECOND RESPONDERS

EMERGENCY RESPONSE GUIDE

MAXUS/ MIFA 7

MPV/5DOORS/3-ROW

ELECTRIC VEHICLE



VERSION: 001

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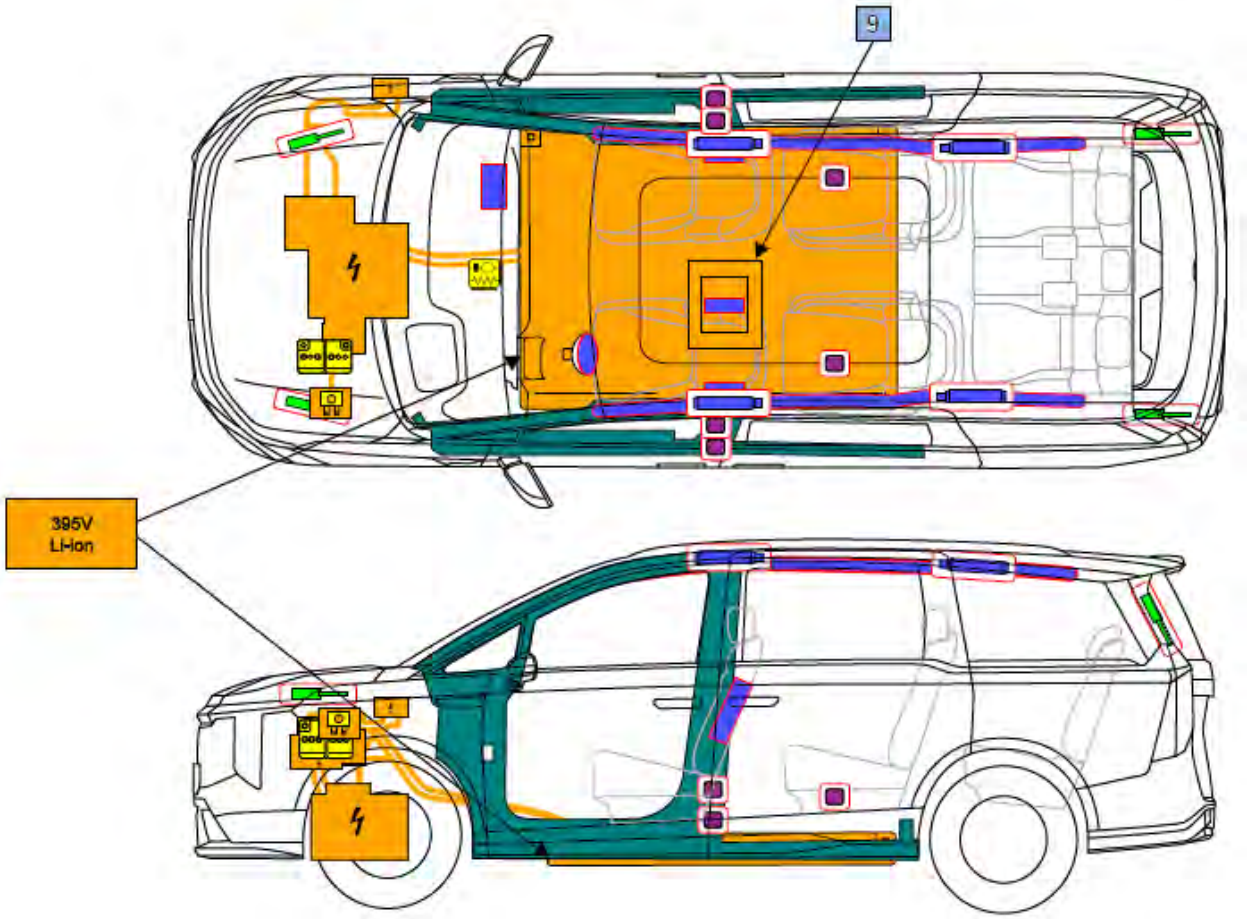
MAXUS

MIFA7

MPV,5 Doors 2023-12



	Airbag		Stored gas inflator		Seat belt pretensioner		SRS control unit		Gas strut/ Preloaded spring
	High strength zone		High voltage component		Battery low voltage		High voltage battery pack		High voltage power cable/ component
	Fuse box disabling high voltage system		Zone requiring special attention						
		ID No.			Version No.		Version date		
		LSK-EV52-EV-E001			01		12/2023		

1. Identification / recognition

> ⚠ LACK OF ENGINE NOISE DOES NOT MEAN VEHICLE IS OFF. SILENT MOVEMENT OR INSTANT RESTART CAPABILITY EXISTS UNTIL VEHICLE IS FULLY SHUT DOWN. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE).

MIFA 7 can be identified by its brands . The model name appear on the rear of the vehicle.

Vehicle Identification Number (VIN)

MIFA 7 can be identified by its VIN. Locate the stamped plate on the top of the dashboard by looking through the driver's side of the windshield. The VIN can also be found on the passenger's side door pillar, and under the carpet behind the passenger seat.

Touchscreen

MIFA 7 can be identified by its 12.3 in (31 cm) touchscreen that is mounted in a "landscape" orientation, combined with the instrument cluster in front of the steering wheel.

Refer to the Owner's Manual for information on touchscreen operation. If vehicle airbags have deployed, 12V power may not be available and the touchscreen will not be operational.

> ⚠ Trying to support 12V power on a vehicle that has been in an accident could lead to a possible 12V electrical fire. Maxus does not recommend attempting to reconnect 12V power.

2. Immobilisation / stabilisation / lifting

MIFA 7 moves silently, so never assume it is powered off.

IMMOBILISATION

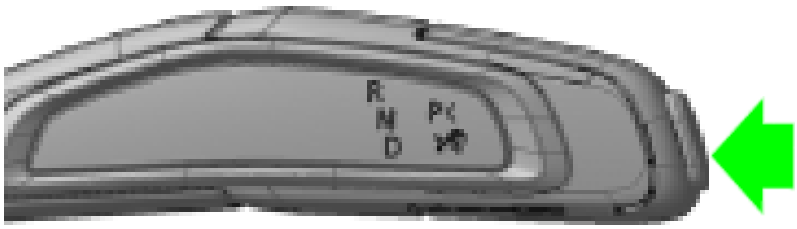
1. Chock wheels

Drivers can choose a setting that determines whether or not MIFA 7 will "creep" when a drive gear is selected. If this setting is off, MIFA 7 may not move unless the accelerator pedal is pressed, even if shifted into Drive or Reverse. However, never assume that MIFA 7 will not move. Always chock the wheels.

Be careful to not damage the battery pack while stabilizing the vehicle.

2. Put vehicle into Park position

To ensure that the parking brake is engaged, press the button on the end of the gear selector to shift into Park. Whenever MIFA 7 is in Park, the parking brake is automatically engaged and the touchscreen shows the active gear as Park (P).



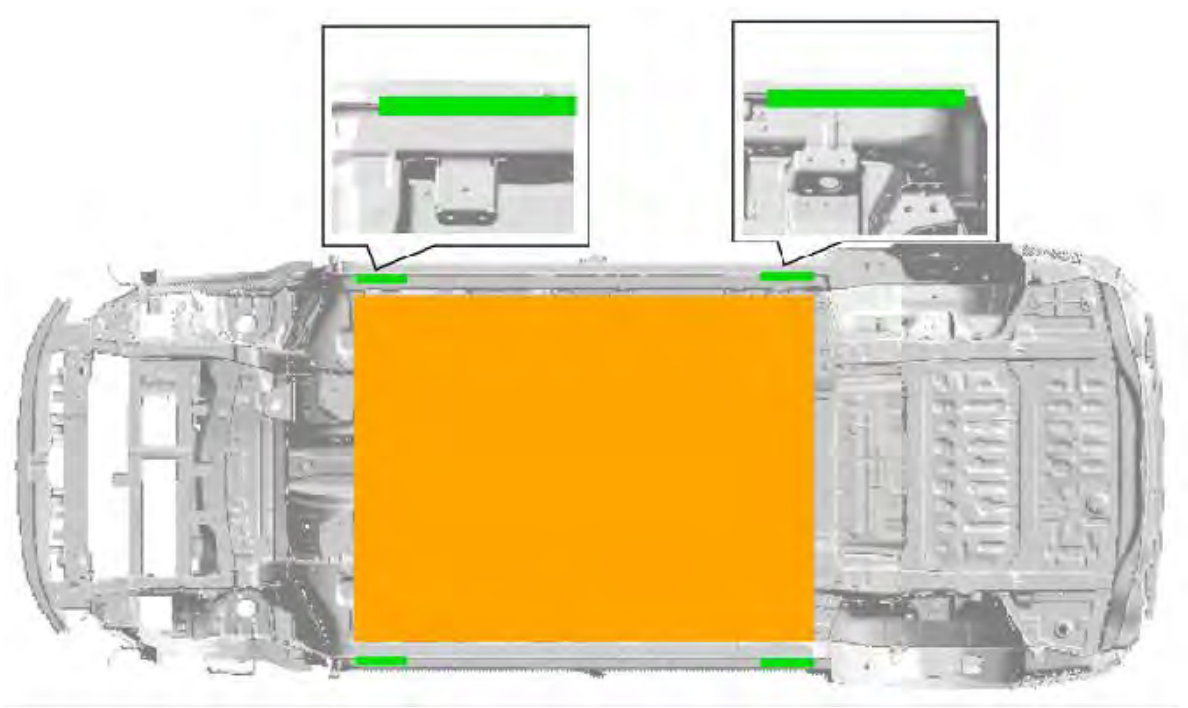
STABILIZATION / LIFTING POINTS

The high voltage battery is located under the floor pan. A large section of the undercarriage houses the high voltage battery. When lifting or stabilizing MIFA 7, only use the designated lift areas, as shown in green.

⚠ Be careful to not damage the battery pack while stabilizing / lifting the vehicle.

⚠ The vehicle should be lifted or manipulated only if first responders are trained and equipped at the technician level per National Fire Protection Association (NFPA) and are familiar with the vehicle's lifting points. Use caution to ensure you never come into contact with the high voltage battery or other high voltage components while lifting or manipulating the vehicle.

⚠ DO NOT USE THE HIGH VOLTAGE BATTERY TO LIFT OR STABILIZE MIFA 7 .



	Appropriate lift areas
	High voltage battery

3. Disable direct hazards / safety regulations

⚠ Not every high voltage component is labeled. Always wear appropriate PPE. Do not attempt to open the High Voltage (HV) battery.

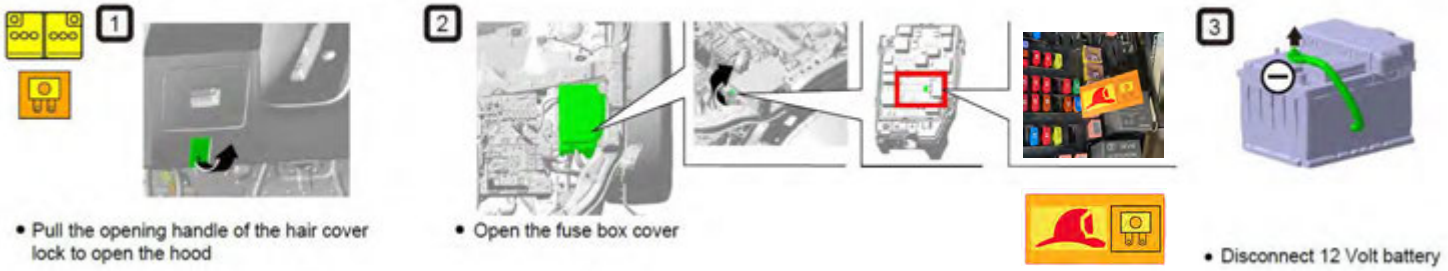
■ Main method

- Just press the button once, The vehicle will be in P.
- Click the "power off "button on the screen.
- Disconnect 12 Volt battery

■ Alternative method

- Press the Hazard warning lamp switch 5 times in 3 seconds
- Disconnect 12 Volt battery

■ Alternative method To discharge HV by remove the fuse



- Pull the opening handle of the hair cover lock to open the hood
- Open the fuse box cover
- Disconnect 12 Volt battery

Fuse box

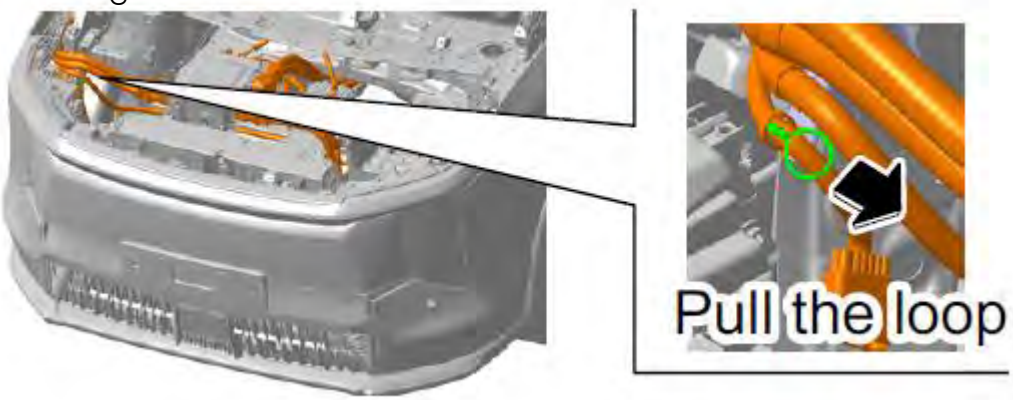
⚠ When pull the fuse, the fuse disables 12V power going to the Battery management system. Pull the F31 fuse does not disable the 12V battery system. The 12V battery negative cable must be cut in order to disable the 12V battery system.

⚠ When the vehicle has been in an accident and the F31 Fuse has been pull, always treat the pack and the high voltage components as if they are live, because the pack will still have stored energy within the cells and it is not known if other high voltage components have been damaged. Treat every orange cable and battery pack as if there is high voltage in them. Never cut an orange high voltage cable or cut into the battery pack.

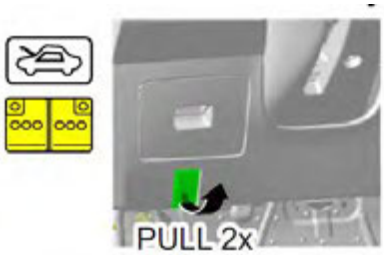
There is no way to instantaneously discharge the energy that is inside of the battery pack when avehicle is in an accident. There is stored energy in battery cells. Caution must be used to not damage the battery pack in the case of vehicle extrication operations.

■ Disconnect from the charging station

Emergency release, pull the loop and the battery will disconnect with the charge socket.



■ Access to 12V Battery



• Pull the opening handle of the hair cover lock

• Disconnect 12 Volt battery

In the event of an accident in which the airbag is triggered, the high voltage system is automatically deacti vated as soon as airbag triggering is detected.The high voltage system is de-energised approx. 20 seconds after deactivation.

⚠ Always assume the vehicle is powered, even if it is silent!
Make sure that the vehicle is immobilized, and the propulsion system is deactivated
Do not touch, cut or open damaged high voltage components, cables and high voltage batteries!
Wear appropriate personal protective equipment!

Battery Low-Voltage

the 12V locate between the fuse box and HV components. When necessary, the negative battery cable should be double cut to open the 12V battery circuit. Care should always be taken to not make contact with the positive and negative battery terminals when double cutting the negative battery cable.

Airbags

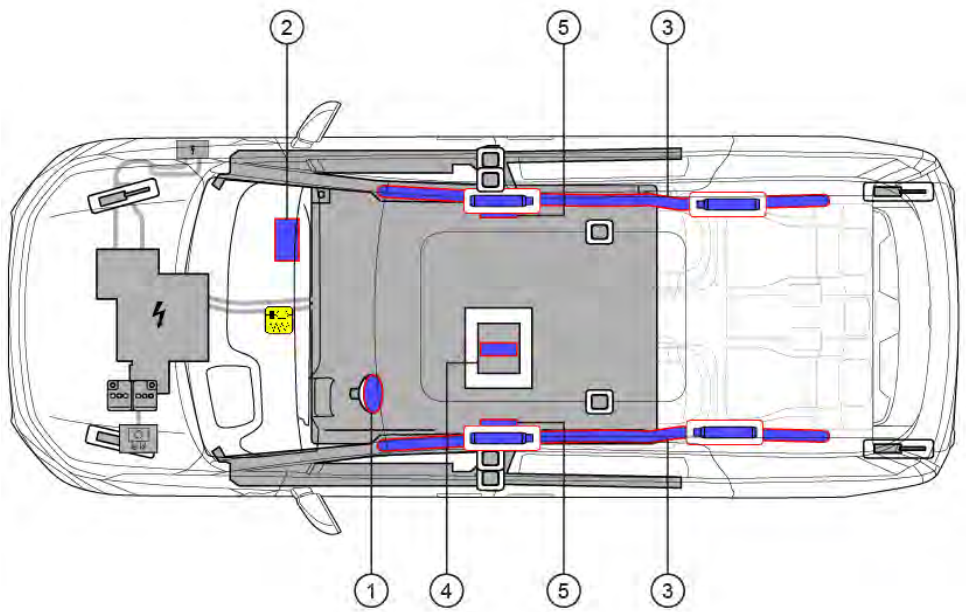
Airbags are located in the approximate areas shown. Airbag warning information is printed on the sun visors.

When the airbags have been deployed by the Restraint Control Module (RCM), the pyro-technic fuse that deactivates the vehicle's high voltage system will be simultaneously triggered.

MIFA 7 is designed to deactivate high voltage in all components and cables outside of the high voltage battery when an airbag is deployed. Care must be taken as to not cut any orange high voltage cables or try to gain access into the battery pack. Even though the high voltage system has shut down due to the airbags being deployed, it must always be assumed that there may be high voltage present in the high voltage cables and components. The battery cells within the battery pack will have stored energy and should not be compromised with rescue tools.

The Fuse Box should be operated in order to open the 12V circuit that provides power to the airbags. See the Fuse Box section for more details.

NOTE: Left Hand Drive shown. On Right Hand Drive vehicles, the components are mirrored.

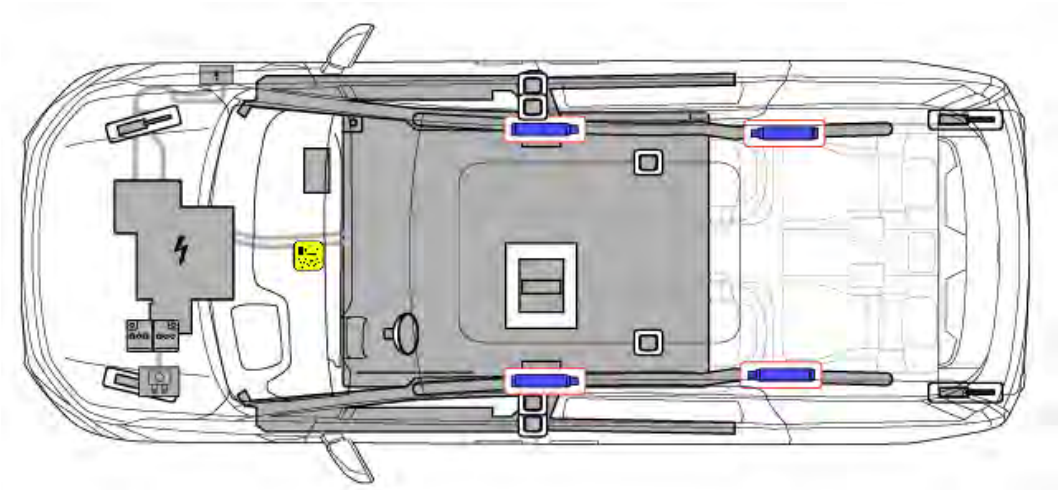


1. Driver airbag
2. Passenger airbag
3. Curtain airbags
4. Seat mounted farside airbag
5. Seat mounted side airbag

⚠ The RCM has an internal energy reserve which allows it to remain powered for some time after the 12V power is disconnected. The RCM will remain powered (from the vehicle) after it deploys any airbag or pre-tensioner. Do not touch the RCM within 10 seconds of an airbag or pre-tensioner deployment.

Stored Gas Inflators

The stored gas inflators, outlined in red, are located near the roof

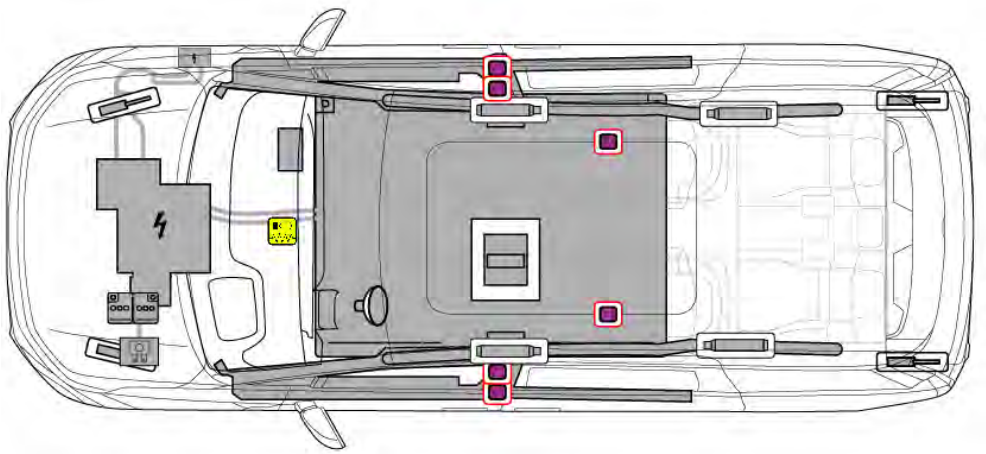


Rescuers should never cut or crush inflation cylinders. Cutting or compressing cylinders causes catastrophic failure, leading to injury or death.

The RCM has a backup power supply with a discharge time of approximately 10 seconds. Do not touch the RCM within 10 seconds of an airbag or pre-tensioner deployment.

Seatbelt Pre-Tensioners

The seat belt pre-tensioners, outlined in red, are located at the bottom of the B-pillars and outboard of the 2nd row seats.



Electrical and mechanical releases may be compromised after a collision.

4. Access to the occupants

The seats and steering wheel are electrically powered and may not function after a collision.

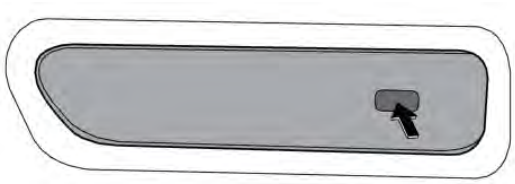
After a collision, the doors and liftgate may not unlock from the outside. Extrication may be required.

Unlocking Doors from the Outside with Power

1）Using the micro switch

As long as there is legitimate remote key with PEPS existing within 1 meter around the vehicle, press the micro switch on the door handle, and the door will be unlocked.

After powering off, leaving the vehicle and closing the door, touch the micro switch on the door handle with your thumb to lock the door.



2）Using the remote key witch PEPS

All doors can be lock/unlocked through the central door locking system using the buttons on the remote key with PEPS.

All doors must be fully closed for the system to operate correctly.

Unlocking door from the out side with out the power

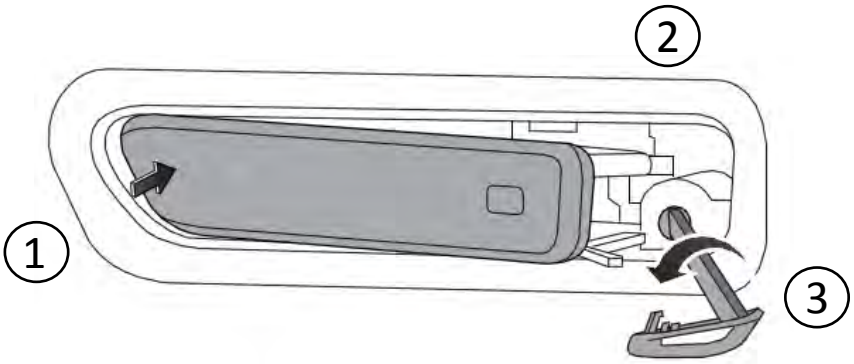
When the vehicle is powered off or the doors can not be unlocked electronically,

the driver door can be unlocked manually.

1.Press the front end of the door handle to raise the rear end of the door handle.

2.Pull out the door handle again to expose the key lock cylinder.

3.Use the mechanical key portion to manually and unlock the driver door through the door lock on the driver door.



Unlocking door from the inside with the power

Using the central lock switch

All doors can be unlocked or locked from the inside using the switch. Press the locking button 2 to lock all doors. Press the unlocking button 1 to unlock all doors as the picture. Then the door can open by pulling the inner handle.

Unlocking door from the inside without the power

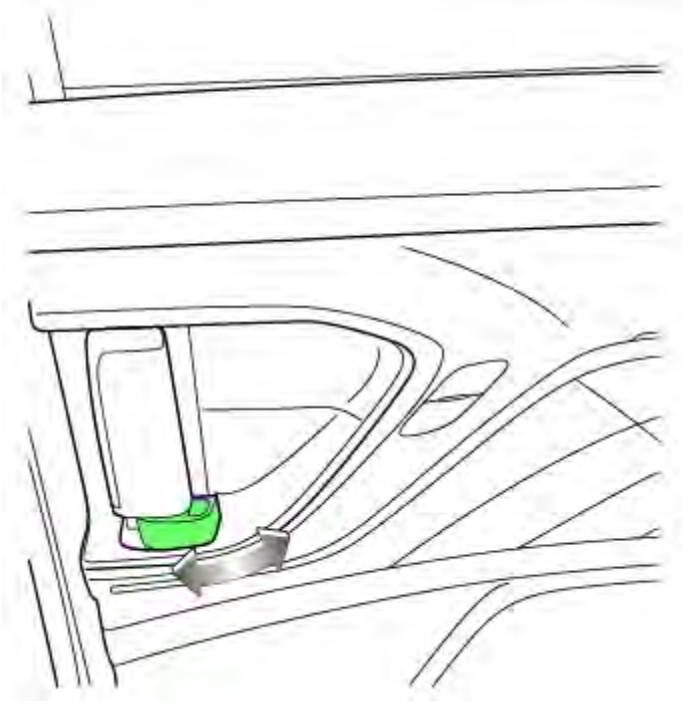
1） Front door

The door can be unlocked by pulling the inner handle twice where the vehicle is powered on or off.

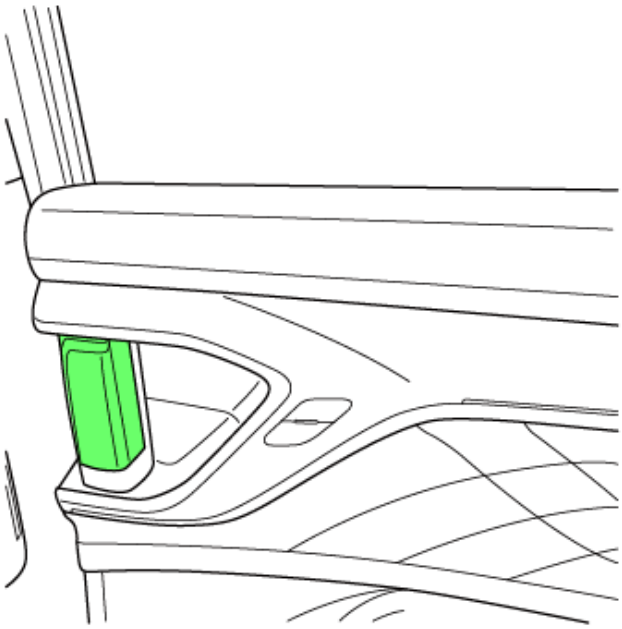
2）Side load door

To unlock from the inside, push the button 1 towards the rear of the vehicle untiled the red mark is shown. To open the side load door from the inside, hold the handle 2 and pull it towards the rear of the vehicle after unlocking.

unlock the side load door



open the side load door



Opening the Tailgate with 12V Power

Use one of the following methods to open the tailgate：

1.Touch the associated OPEN button on the touchscreen for the tailgate.

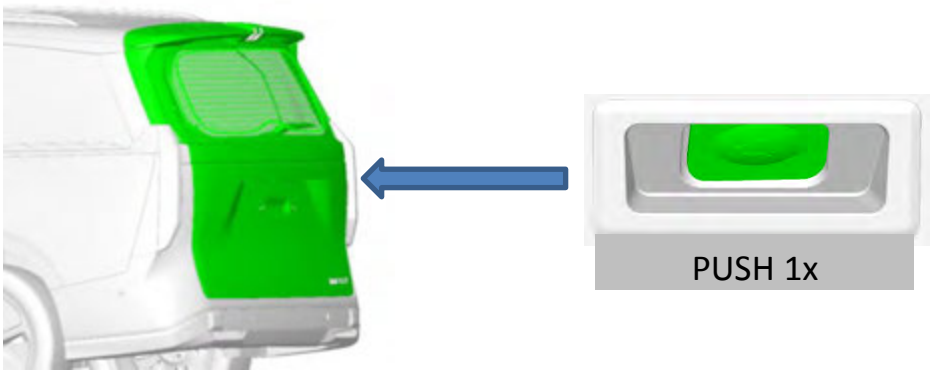
2. Press the switch located under the exterior handle on the tailgate.

3. Press the switch located under the driver door trim panel.

4. Long press the tailgate open button on the key.

1.

2.



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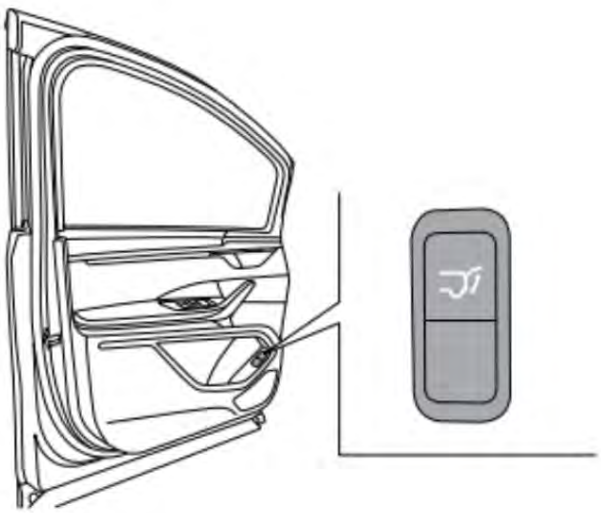
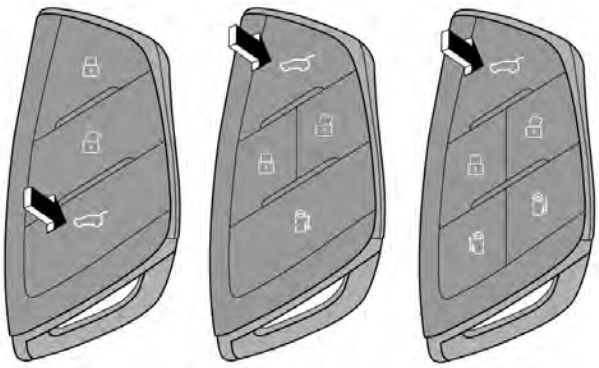


4.

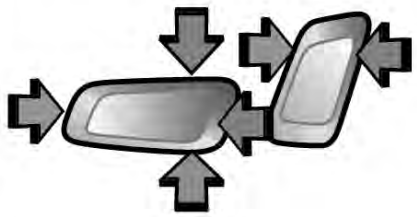


Moving the Front Seats

MIFA 7 has manual and electric front seat for option

Manual

Electric



1. Moves seat forward/backward
2. Adjust the seat's height

NOTE: If 12V power is not available, the Electric seats cannot be moved.

NOTE: When performing occupant extrication, always check for occupants in the rear seating area. It is possible the vehicle will have third row occupants.

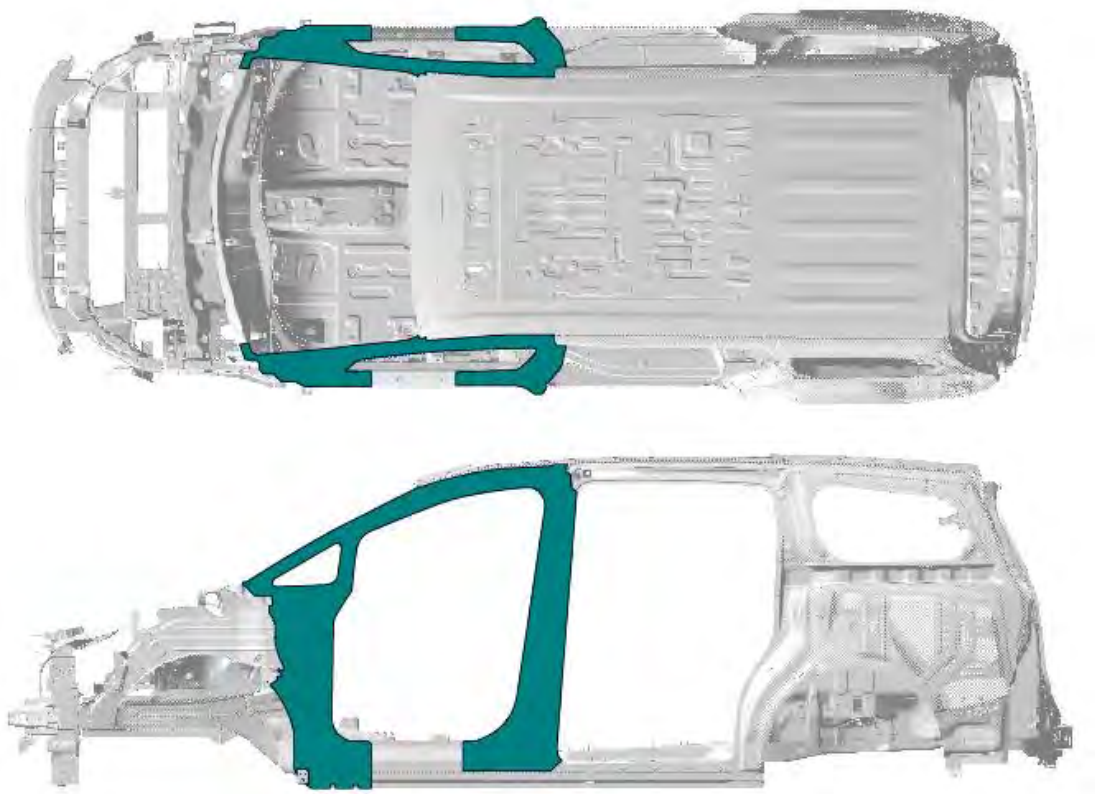
steering wheel adjustment

Opening the bonnet

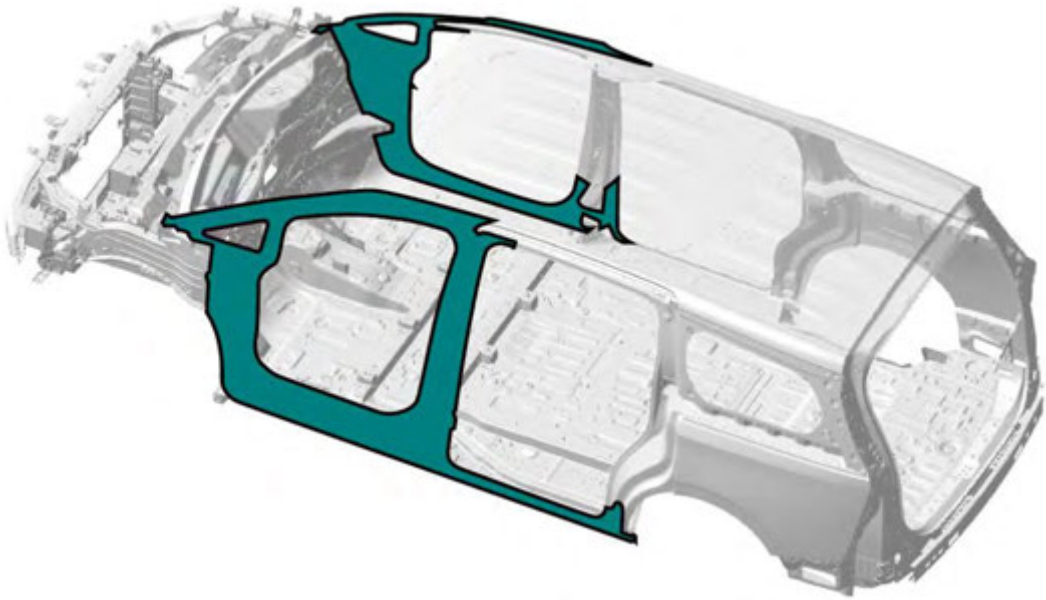
In the direction as shown in the figure, pull up twice the unlock handle of bonnet below the instrument desk on the driver side to unlock the bonnet, and lift the bonnet.

High Strength Zone

MIFA 7 is reinforced to protect occupants in a collision. Suitable tools must be used to cut or crush these areas. Reinforcements are shown in teal below.



The A&B-pillar is constructed of ultra-high-strength reinforced steel. All other structural body components are made up of various strengths of steel.

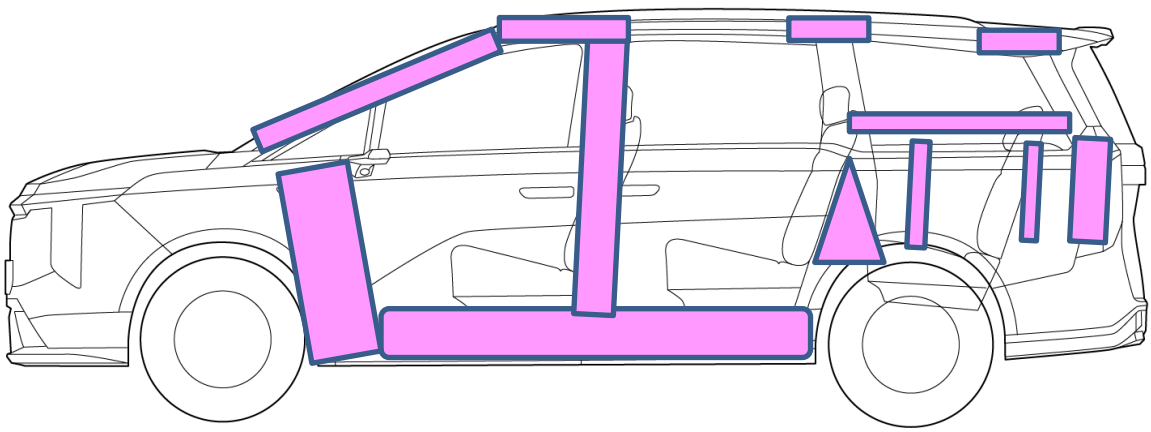


Always use appropriate tools, such as ahydraulic cutter, and always wear appropriate PPE when cutting MIFA 7 . Failure to follow these instructions can result in serious injury or death.

Regardless of the disabling procedure you use, ALWAYS ASSUME THAT ALL HIGH VOLTAGE COMPONENTS ARE ENERGIZED! Cutting, crushing, or touching high voltage components can result in serious injury or death.

No-Cut Zones

MIFA 7 has areas that are defined as "no-cut zones" due to the structural body components are made up of various strengths of steel.



Windows

The windshield on MIFA 7 is made of laminated safety glass. The side windows, roof glass and rear liftgate glass are made of tempered glass.

A. Laminated glass
B. Tempered glass

5. Stored energy / liquids / gases / solids

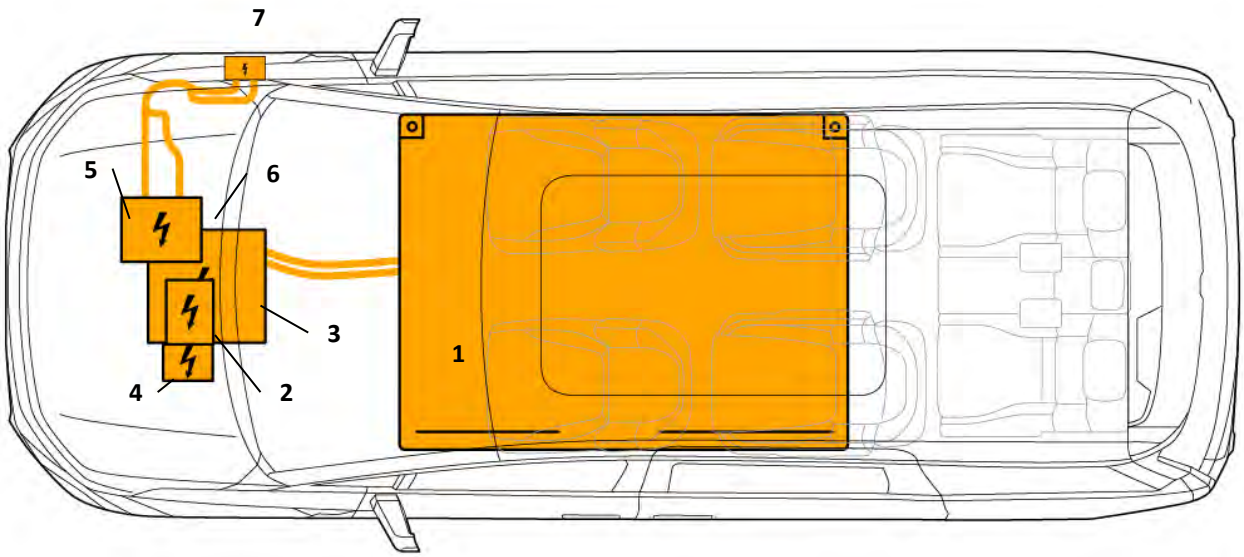
Li-ion	395V
	12V
	R-1234yf 1000g

If coolant escapes from the battery cooling system,
there is a risk of a thermal reaction, in the high-voltage battery.
Monitor the temperature of the high-voltage battery!

IR

Do not touch, cut or open damaged high voltage components, cables and high voltage batteries!
Wear appropriate personal protective equipment!

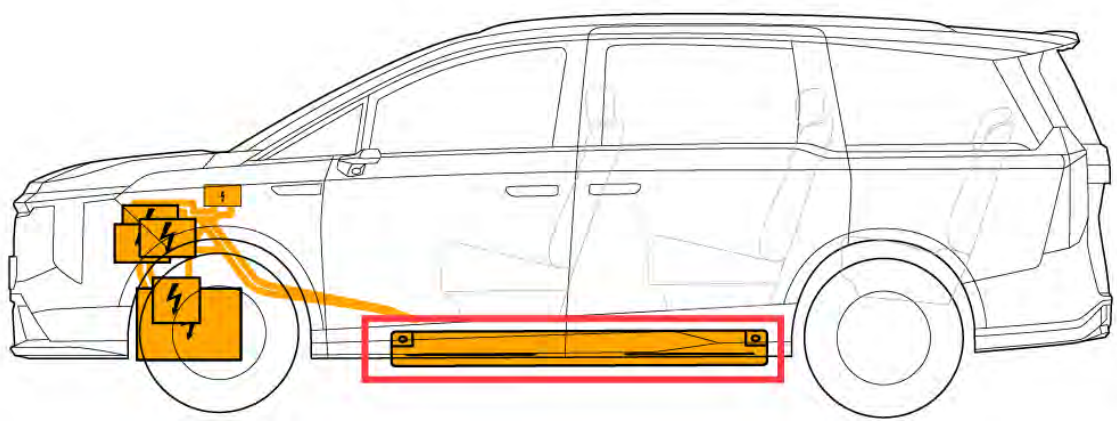
High Voltage Components



1. Rechargeable Electrical Energy Storage System
2. Positive Temperature Coefficient
3. Electronic Driving System
4. Air Conditioner Compressor
5. Combined Charger Unit
6. Power Distribution Unit
7. Charge Port

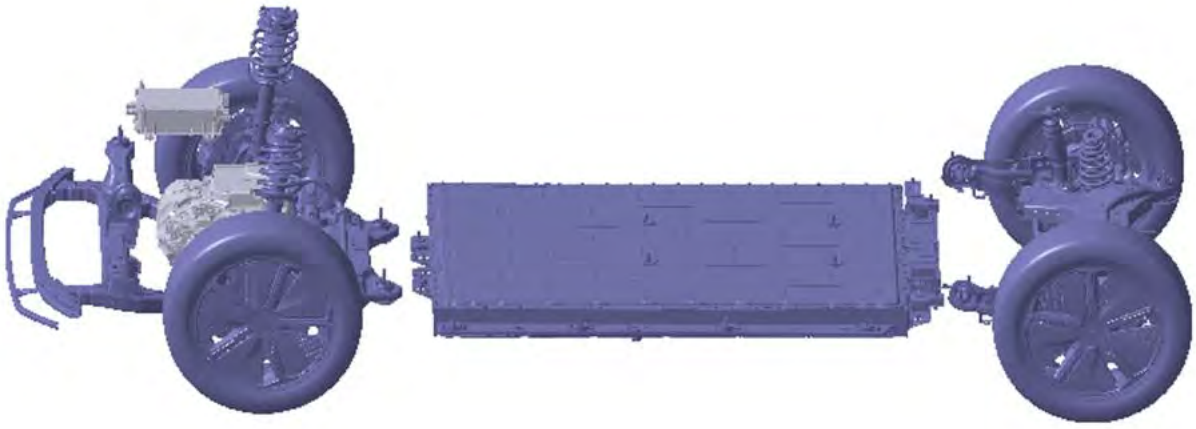
High Voltage Battery Pack

MIFA 7 is equipped with afloor-mounted 400V lithium-ion high voltage battery. The battery is made up of many cells that are liquid cooled with coolant. The coolant will appear red in color and may leak from the battery pack if the pack has been compromised during a vehicle collision. The battery cells will have stored energy within them. Never breach the high voltage battery when lifting from under the vehicle. When using rescue tools, pay special attention to ensure that you do not breach the floor pan. Refer to Chapter 2: Lift Areas for instructions on how to properly lift the vehicle.



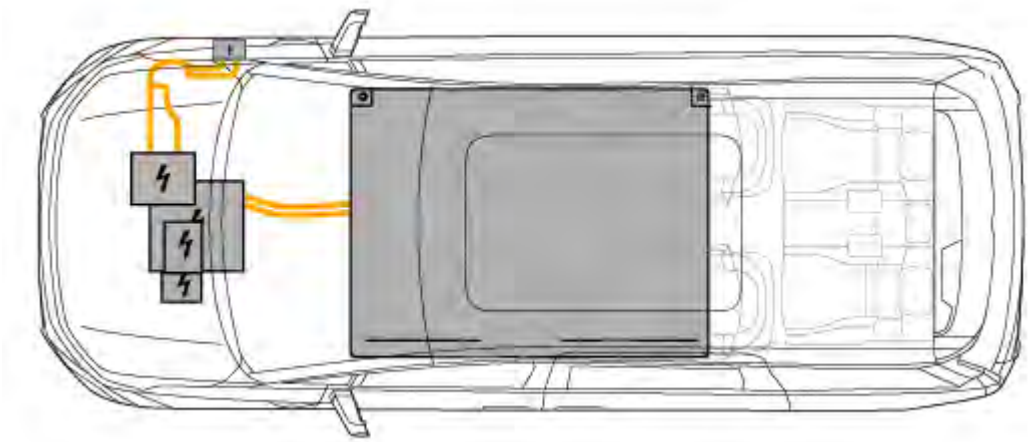
Pushing on the Floor Pan

The high voltage battery is located below the floor pan. Never push on the floor pan itself inside of MIFA 7 . Doing so can breach the high voltage battery or damage the high voltage cables, which can cause serious injury or death. At no time should the high voltage battery pack be compromised with rescue tools.



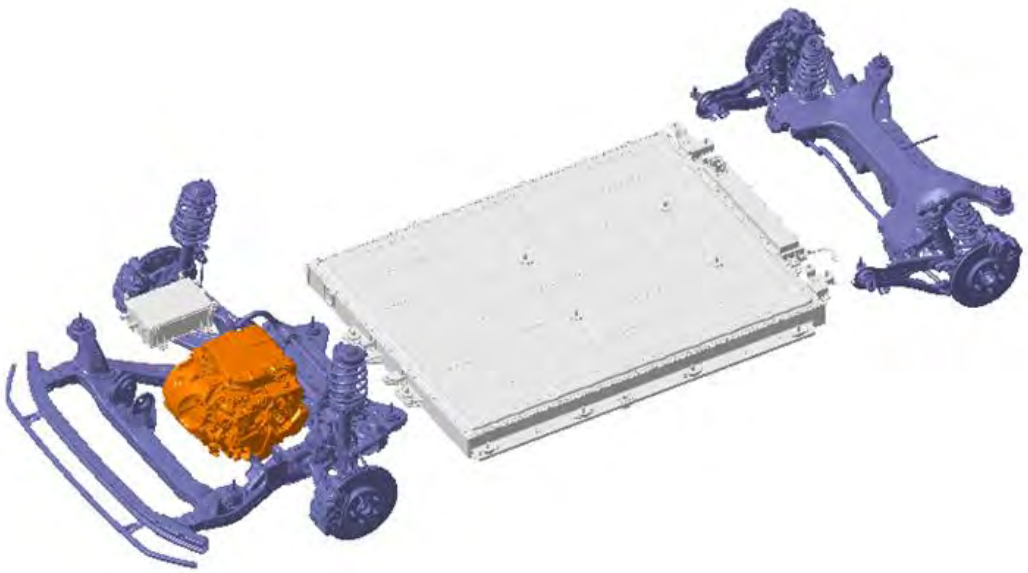
High Voltage Power Cable / Component

High voltage cables are shown in orange. There are high voltage cables that run the length of the battery pack on the bottom side through an extrusion providing protection. Do not compromise these high voltage cables with rescue tools. At no time should any high voltage cables be compromised with rescue tools. The assumption should be made that at all times there may be high voltage present in the Orange High Voltage Cables.



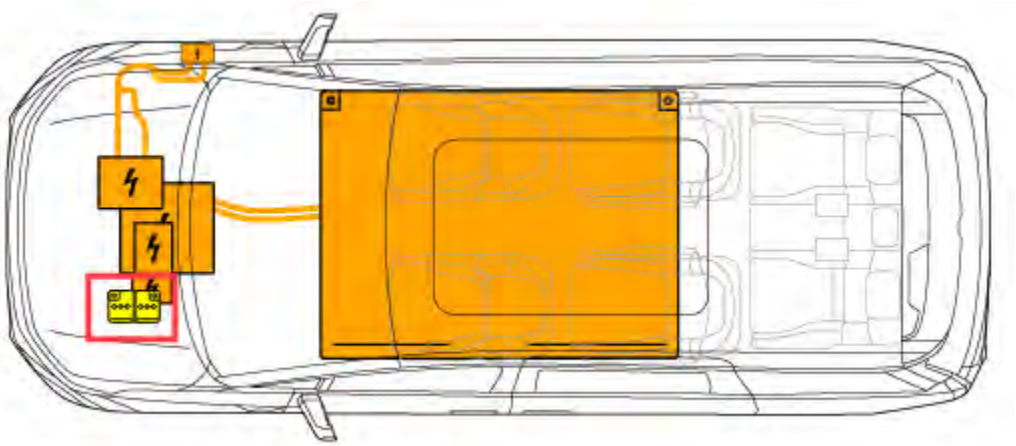
Drive Units

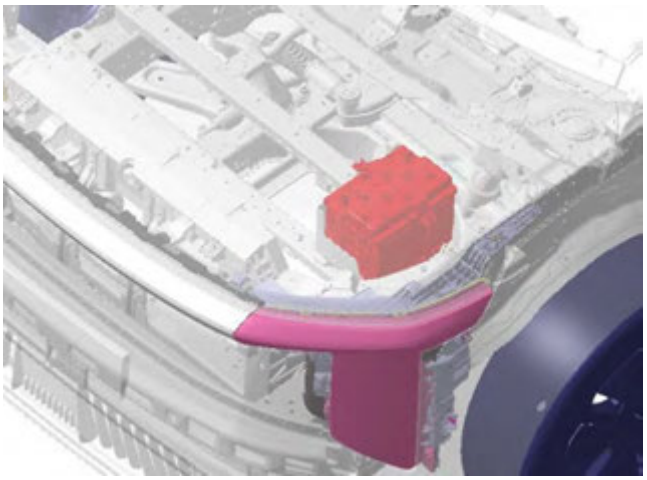
The front drive unit is located between the front wheels. The drive inverter is located within the drive unit. The drive unit convert Direct Current (DC) from the high voltage battery into Alternating Current (AC) that the drive unit use to power the wheels.



Battery Low-Voltage

In addition to the high voltage system, MIFA 7 has a low voltage electrical system. Its 12V battery operates the restraint system, airbags, windows, door locks, touchscreen, and interior and exterior lights. The high voltage system charges the 12V battery, and the 12V battery supplies power to the BMS, allowing high voltage current to flow into and out of the high voltage battery. The 12V battery, outlined in red, is located under the hood.





6. In case of fire

BATTERY RE-IGNITION!

DO NOT SUBMERGE VEHICLE TO EXTINGUISH/COOL BATTERY FIRE

USE LARGE AMOUNTS OF WATER

POSSIBLE BATTERY RE-IGNITION!

MONITOR HV BATTERY TEMPERATURE FOR AT LEAST 24 HOURS

USE WATER TO FIGHT A HIGH VOLTAGE BATTERY FIRE. If the battery catches fire, is exposed to high heat, or is generating heat or gases, use large amounts of water to cool the battery. It can take between approximately 11,356-30,283 liters of water, applied directly to the battery, to fully extinguish and cool down a battery fire; always establish or request additional water supply early. If water is not immediately available, use CO2, dry chemicals, or another typical fire-extinguishing agent to fight the fire until water is available.

SAIC MAXUS does not recommend the use of foam on electric vehicles.

Apply water directly to the battery. If safety permits, lift or tilt the vehicle for more direct access to the battery .Water may be applied from a safe distance ONLY if a natural opening (such as a vent or opening from a collision) already exists. Do not open the battery for the purpose of cooling it.

SAIC MAXUS does not recommend placing the vehicle in a large container full of water.

The use of a Thermal Imagery Camera or Infrared is recommended to monitor battery temperatures during the cooling process. Continue to use water until the battery has reached ambient temperatures or below, indicated by the thermal imagery camera. When utilizing a thermal imaging camera, allow enough time, once the application of water has stopped, to allow for heat within the battery to transfer to the battery enclosure. .
Extinguish small fires that do not involve the high voltage battery using typical vehicle firefighting procedures.
During fire extinguishing, do not make contact with any high voltage components.
Always use insulated tools for fire extinguishing.

Heat and flames can compromise airbag inflators, stored gas inflation cylinders, gas struts, and other components which can result in unexpected excessive heat, which can cause inflation cylinder explosion. Perform an adequate knock down before entering a hot zone.

Battery fires can take up to 24 hours to fully cool. After suppression and smoke has visibly subsided, a thermal imaging camera can be used to actively measure the temperature of the high voltage battery and monitor the trend of heating or cooling. There must be no fire, smoke, audible popping/hissing, or heating present in the high voltage battery for at least 45 minutes before the vehicle can be released to second responders (such as law enforcement, vehicle transporters, etc.). The battery must be completely cooled before releasing the vehicle to second responders or otherwise leaving the incident.

Always advise second responders that there is a risk of battery re-ignition. Second responders should be advised to position the vehicle to drain excess water out of the vehicle by tilting or repositioning it. This operation can assist in mitigating possible re-ignition.

Due to potential re-ignition, a MIFA 7 that has been involved in a submersion, fire, or a collision that has compromised the high voltage battery should be stored in an open area at least 50 feet (15 m) from any exposure.

During all firefighting activities, consider the vehicle energized. Always wear full PPE including a Self-Contained Breathing Apparatus (SCBA).

High-Voltage Battery — Fire Damage

Similar to conventional and other electric and hybrid vehicles, a burning battery releases super-heated gases and toxic vapors. This release may include volatile organic compounds, hydrogen gas, carbon dioxide, carbon monoxide, soot, particulates containing oxides of nickel, aluminum, lithium, copper, cobalt, and hydrogen fluoride. Responders should always protect themselves with full PPE, including a SCBA, and take appropriate measures to protect civilians downwind from the incident.

The high voltage battery consists of lithium-ion cells. If damaged, only a small amount of fluid can leak.

The high voltage battery and drive unit are liquid cooled with a typical glycol-based automotive coolant. If damaged, this red coolant can leak out of the high voltage battery.

A damaged high voltage battery can create rapid heating of the battery cells. If you notice smoke, steam, or audible popping or hissing coming from the high voltage battery, assume that it is heated and take appropriate action as described above.

7. In case of submersion

Treat a submerged MIFA 7 like any other submerged vehicle. The body of MIFA 7 does not present a greater risk of shock because it is in water. However, handle any submerged vehicle while wearing the appropriate PPE for water rescue. Remove the vehicle from the water and continue with normal high voltage disabling.
Vehicles that have been submerged in water should be handled with greater caution due to the potential risk of a high voltage electrical battery fire. First responders should be prepared to respond to a potential fire risk. Raise the front of the vehicle to allow water to drain out of the vehicle and the high voltage battery pack. After the vehicle is removed from the water, continue normal disabling procedures as outlined.

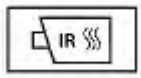
Wear appropriate PPE. Remove the vehicle from the water and continue with the deactivation procedure for this vehicle (see chapter 3). Vehicles submerged in salt water should be handled with a greater potential risk of a HV battery fire.

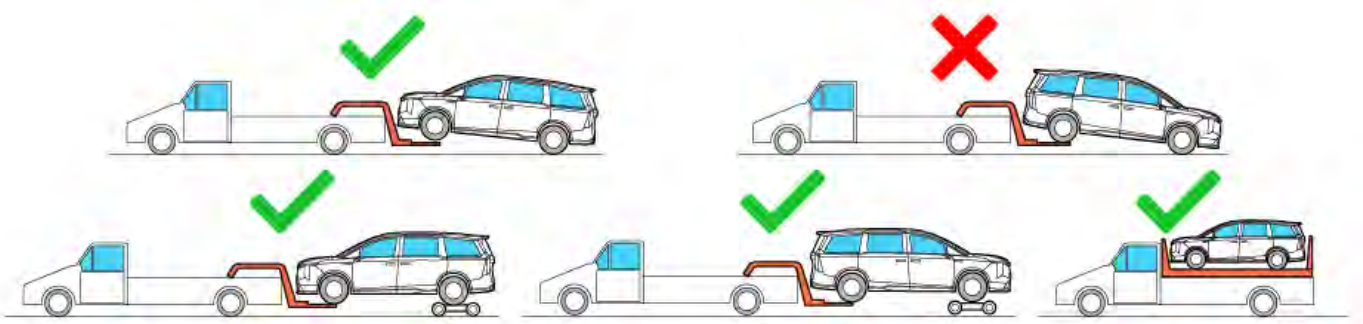
8. Towing / transportation / storage

The front motor in the MIFA 7 can generate power when the wheels spin. Always transport with front two tires off of the ground. Ensure that the front tires are unable to spin at any time during transport.

⚠ NEVER TRANSPORT THE VEHICLE WITH THE TIRES IN A POSITION WHERE THEY CAN SPIN. DOING SO CAN LEAD TO SIGNIFICANT DAMAGE AND OVERHEATING. IN RARE CASES EXTREME OVERHEATING MAY CAUSE THE SURROUNDING COMPONENTS TO IGNITE.

⚠ POSSIBLE BATTERY RE-IGNITION! AFTER A FIRE INCIDENT, STORE OUTSIDE AT A SAFE DISTANCE (50 FT/15 M) FROM OTHER VEHICLES AND STRUCTURES!





A roll-back truck or comparable transport vehicle is the recommended method of transport. The vehicle can face either direction when using a flatbed. If the vehicle must be transported without a roll-back truck, then wheel lifts and dollies must be used to ensure that front two wheels are off of the ground. This method must not exceed the manufacturer speed rating of the dollies. With this method, Maxus recommends the vehicle faces forward so that the front wheels are lifted and the rear wheels are on dollies.

The rear tires are allowed to rotate only when Electric Parking Brake (EPB) is disabled.

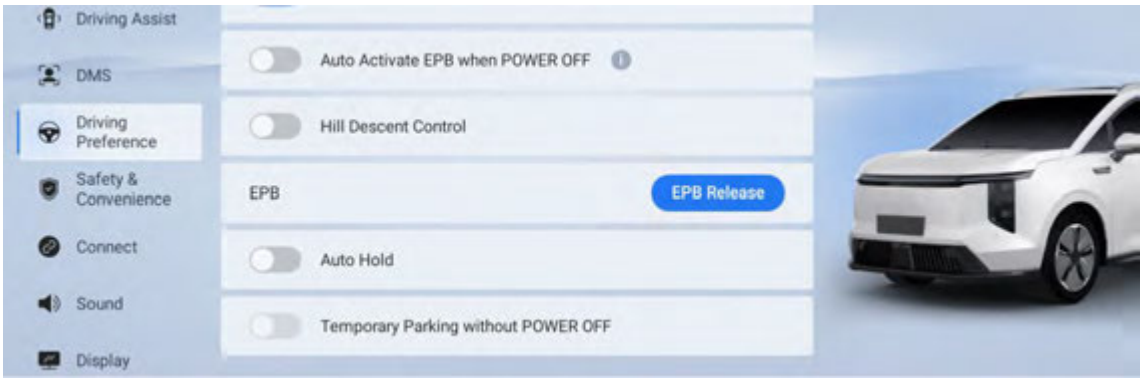
Disable EPB on the vehicle's touchscreen before winching the vehicle onto a flatbed truck. If EPB is on or the touchscreen is not releasable, self-loading dollies or tire skates must be used to transport the vehicle. Maxus is not responsible for any damage caused by or during transport of the vehicle, including personal property damage or damage caused by using self-loading dollies or tire skates.

Electric Parking Brake (EPB)

The Electric Parking Brake is a program that lock the rear wheels when the vehicles in Park set. When the High Voltage Power is on and the EPB is released, the rear wheels can rotate freely.

To set MIFA 7 rear wheels in Neutral (which disengages the rear wheels parking brake and allows the rear wheels to rotate), use the touchscreen to deactivate EPB:

1. Ensure MIFA 7 is in Park and POWER ON.
2. On the touchscreen touch Menu > Settings > Driving Preference
3. Press the button "EPB Release".



To deactivate EPB when MIFA 7 is POWER OFF, set the "AUTO Activate EPB when POWER OFF" option off.

MIFA 7 must detect a key nearby and 12V power is required for EPB to deactivate.

If MIFA 7 cannot detect the key, the EPB cannot be disabled.

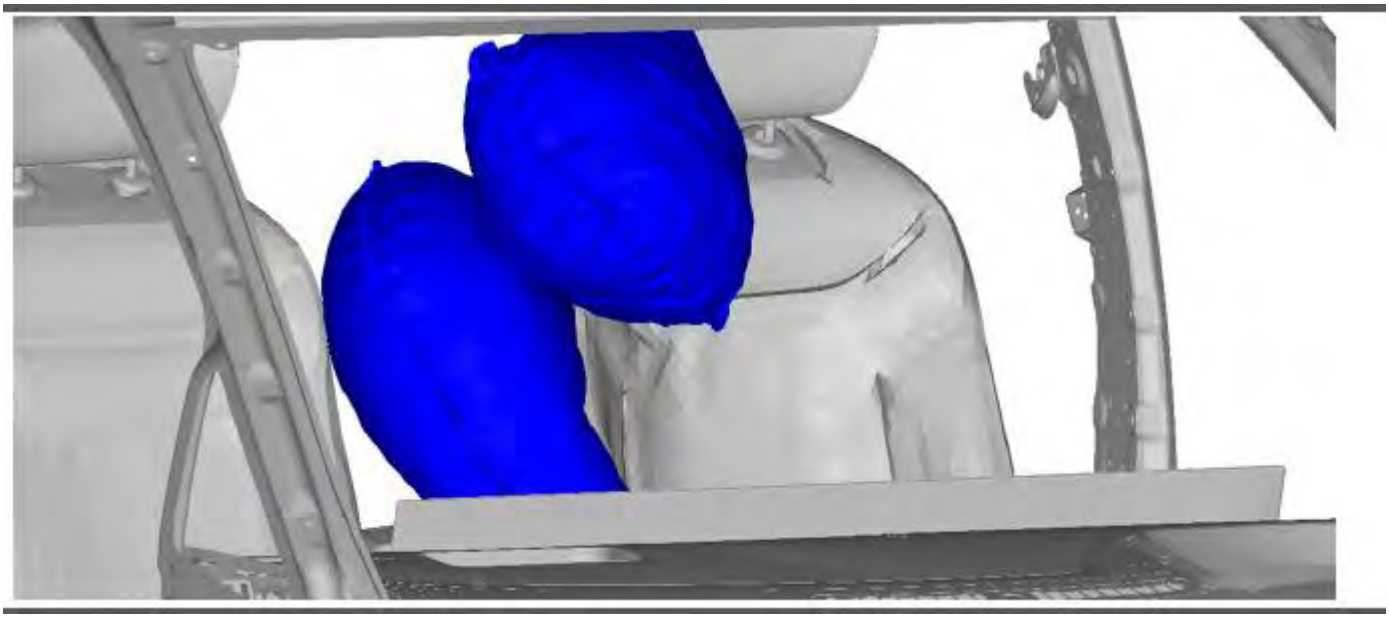
The touchscreen is unresponsive if MIFA 7 has no 12V power. Use an external 12V power to open the hood and jump start the vehicle's auxiliary 12V battery.

9. Important additional information

This document contains important instructions and warnings that must be followed when handling MIFA 7 in an emergency situation.

Images in this document show aLeft-Hand Drive (LHD). Unless otherwise noted, Right-Hand Drive (RHD) vehicles are mirrored.

MIFA 7 is equipped with Farside airbag



■ Maxus Guideline for Rescue Services:
https://www. Maxus.com

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

⚠ Regardless of the disabling procedure you use, ALWAYS ASSUME THAT ALL HIGH VOLTAGE COMPONENTS ARE ENERGIZED! Cutting, crushing, or touching high voltage components can result in serious injury or death.

⚠ After deactivation, the high voltage circuit requires 2 minutes to de-energize.

⚠ The RCM has a backup power supply with a discharge time of approximately 10 seconds. Do not touch the RCM within 10 seconds of an airbag or pre-tensioner deployment.

⚠ Handling a submerged vehicle without appropriate PPE for water rescue can result in serious injury or death.

⚠ When fire is involved, consider the entire vehicle energized. Always wear full PPE, including a SCBA.

⚠ When using the high voltage shut down methods recommended by this document, high voltage power is isolated to the battery. The high voltage battery is always energized.

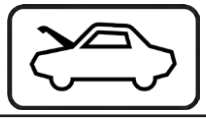
⚠ Never transport the MIFA 7 with rear wheels on the ground. Doing so can lead to significant damage and overheating. In rare cases, extreme overheating may cause the surrounding components to ignite.

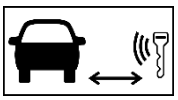
Contact Us

The MIFA 7 Owner's Manual and first responder information can be found at https://www. Maxus.com

First responders and training officers who have questions, contact maxusasod@saicmotor.com

10. Explanation pictograms used

	Use thermal Infrared camera
	Bonnet
	Boot
	General warning sign
	Flammable
	Explosive
	Corrosives
	Hazardous to the human health
	Acute toxicity
	Gases under pressure
	Use water to extinguish the fire

	Steering wheel, tilt control
	Air-conditioning component
	Seat height adjustment
	Seat adjustment, longitudinal
	Warning, Electricity
	Environmental hazard
	Remove smart key
	Electric Vehicle