

Dear owner of Mengshi:

Congratulations on owning a luxury electric off-road SUV. Thank you for your trust and support in Mengshi!

Using the vehicle correctly and rationally can not only bring you full driving pleasure and comfort, but also prolong the life of the vehicle. Therefore, please read this manual carefully before using the vehicle.

The information provided in this manual plays a very important guiding role in ensuring your driving safety, so please be sure to abide by it.

This manual only contains the latest information at the time of printing, and we reserve the right to upgrade products without prior notice as vehicle software, equipment and technology continue to be upgraded. Please log in to the official website of Mengshi Automotive Technology Company (https://www.m-hero.com) or the Mengshi APP to access the latest and full version of the User Manual.

The information presented in this manual is for illustrative purposes only. The descriptions and illustrations in this manual may differ from the actual equipment, configuration, functions, etc. of the vehicle you purchased. The User Manual is an integral part of the vehicle and shall be carried therewith. When selling or lending the vehicle, please forward this manual to the new owner. For supplementary information on the vehicle, please refer to other manuals supplied with the vehicle.

If you have any questions or suggestions while using the vehicle, please feel free to call the customer service center of Mengshi Automotive Technology Company.

24-hour hotline: 400-967-7666

Thank you for choosing Mengshi. Mengshi Automotive Technology Company sincerely wishes you a pleasant driving experience!

Mengshi Automotive Technology Company of Dongfeng Motor Group Co., Ltd.

Safety precautions for the use of the vehicle are explained by the safety labels on the vehicle and the safety tips in this manual.

- Safety labels — see the "Safety" section for specific locations.
- Safety tips — explained by the symbols and text in this manual.
- Functions/configurations in this manual marked with "*" are only applicable to some models.
- Unless otherwise stated, the directions of the vehicle (front, rear, left and right) in this manual are subject to the forward direction of the vehicle.

◆ Description:

 **WARNING**	■ Failure to comply may result in death or injury or serious damage to the vehicle.
 **NOTICE**	■ Failure to comply may result in injury or damage to the vehicle.
 **NOTE**	■ Tips for better use and maintenance of your vehicle.
 **Environmental protection**	■ Content related to environmental protection.

Notes to users

Please read this manual carefully before using the vehicle, and strictly follow the operation methods described in this manual during the use of the vehicle. Mengshi Automotive Technology Company will not be responsible for the loss caused by improper use of the vehicle.

Please be sure to carry out regular vehicle service and maintenance in accordance with the *Quality Assurance and Maintenance Manual*.

Check whether the following content meets the driving safety requirements:		
Confirm the surrounding environment and tire condition	Seat and headrest positions	Brake pedal status
Seat belt status	Steering wheel position	Angle of interior and exterior rearview mirrors
Lighting and adjustment functions	Windshield wiper and washer functions	Range

- Occupants shall wear seat belts properly and maintain a correct sitting posture to ensure safety and comfort. Moreover, in the event of a vehicle accident, wearing a seat belt correctly is essential for the deployed airbags and air curtains to better protect the occupants.
- For vehicles equipped with range extenders, ensure that the vehicle is well ventilated when activating the range extender.
- When the vehicle is running, if the MIL on the instrument cluster is lit or there is a fault prompt message, the driver shall stop the vehicle safely as soon as possible for inspection, and contact the Mengshi Experience Center.
- Please strictly abide by the road traffic laws and drive the vehicle safely.
- Before leaving the vehicle, the driver shall ensure that the gear is in P position and confirm that the parking brake indicator is on.
- Do not modify, add, remove, or repair vehicle components without authorization, as this may damage the vehicle and threaten personal safety. If you have relevant needs, please contact the Mengshi Experience Center.
- Improper disposal of waste high voltage batteries, batteries, waste oil, coolant, etc. can harm the environment. Please comply with relevant laws and regulations or contact the Mengshi Experience Center for disposal.
- For maintenance, repair, removal&refitting, recycling, or disposal of high voltage batteries, please contact the Mengshi Experience Center.
- When the high voltage battery needs to be replaced or scrapped, please contact the Mengshi Experience Center. If the power battery is not disposed of properly, it may cause serious injury or even death. Unauthorized removal, dismantling or random discarding of the power battery will cause pollution to the environment, and the person involved shall be held responsible for the resulting environmental pollution or safety accident.
- The vehicle is equipped with an event data recorder system (abbreviated as EDR system). Depending on the type and severity of the collision, the EDR system may record information such as the position of the brake pedal/accelerator pedal for the VDC and safety system during vehicle collisions, the vehicle speed, and the longitudinal acceleration of the vehicle during the collision for restoring the state of the vehicle at the time of the accident to assist in the analysis. Special technical equipment is required to read EDR data. To read EDR data or for more information, please contact the Mengshi Experience Center.

Contents

01 Overview

Common function index 7
Exterior 7
Interior 9

Vehicle Identification 10

Indicator 11

02 Safety

Driving safety 14
Inspection before driving 14
Inspection after vehicle start/during driving 14
Driving safety precautions 14

Vehicle entry and anti-theft 17
Keyed entry 17
Keyless entry 17
Vehicle anti-theft 18

Safety equipment 19
Seat Belt 19
Airbag 22
Child riding safety 24
Child safety seat 25

Safety label instructions 28

03 High voltage battery energy management

Charging guide 30
Charging port 30
Inspection before charging 30

Discharging guide 32
Inspection before discharging 32
Start of discharging 32
Stop of discharging 32

04 Vehicle Operation

Lighting 33

Wiper and washer switch 36
Front wiper 36
Rear wiper 37

Steering wheel 39
Steering wheel horn 39
Electric adjustment of steering wheel 39

Seats 40
Front seat 40
Rear seat 44

Power window 47
Driver side window button 47
Window anti-pinch 48
Window initialization 48

Automatic sunroof/electric sunshade 49
Automatic sunroof/electric sunshade 49

Rearview mirror 50
Exterior rearview mirror 50
Interior rearview mirror 51

Dual zone automatic A/C 53
CSD A/C interface 53
Armrest screen A/C interface 53

Engine hood 55
Opening of engine hood 55
Closing of engine hood 55

Filler cap * 56
Opening of filler cap 56
Closing of filler cap 56

Door 57
Door Lock 57

Child safety lock 58

Tailgate 59

Opening of tailgate 59
keeping the tailgate open 59
Closing of tailgate 60
Emergency opening of tailgate 60

05 Intelligent driving

Driving guide 61

Starting/stopping of vehicle 61
Gear shift 63
Driving mode 63
Active air suspension (ASC) 65
Simulated sound wave* 68
Wading induction 68
Differential lock 69
4-wheel steering 71
Creeping mode 72
All-terrain intelligent 4WD 73

Brake System 73

Service brake 73
Electronic parking brake (EPB) 74
Auto hold 75
Service electronic braking system 76

Driving assistance 78

HUD 78
Adaptive cruise control (ACC) 79
Intelligent cruise assist (ICA) 81
Lane keeping assist (LKA) 83
Lane change assist (LCA) 85
Emergency lane keeping (ELK) 86
Emergency steering assist (ESA) 87
Traffic sign recognition (TSR) 88
Intelligent speed assistance/Intelligent speed limit control (ISA/ISLC) 88
Automatic emergency braking (AEB) 89
Intersection assist (JA) 90
Auto parking assist (APA) 91
Remote parking assist (RPA) 93
Driver assistance warning system 96

Tire pressure monitoring 99

Tire pressure MIL 99

DVR 100

Loop video 100
Emergency video 100
DVR U-disk interface 100

06 Technical data

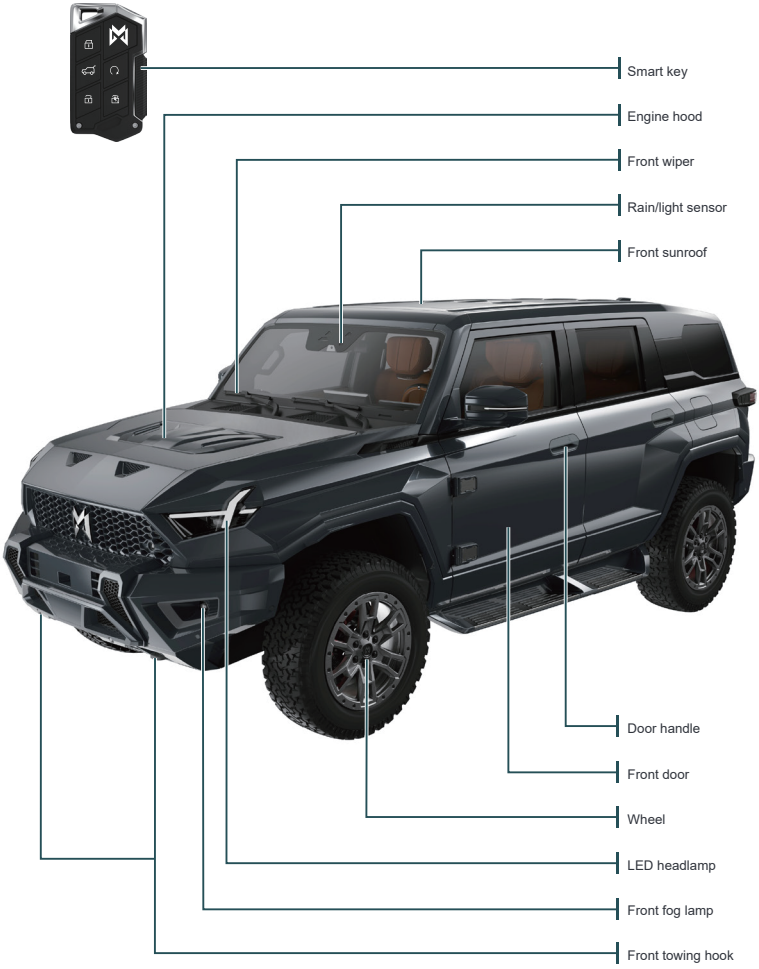
Overall dimensions 101

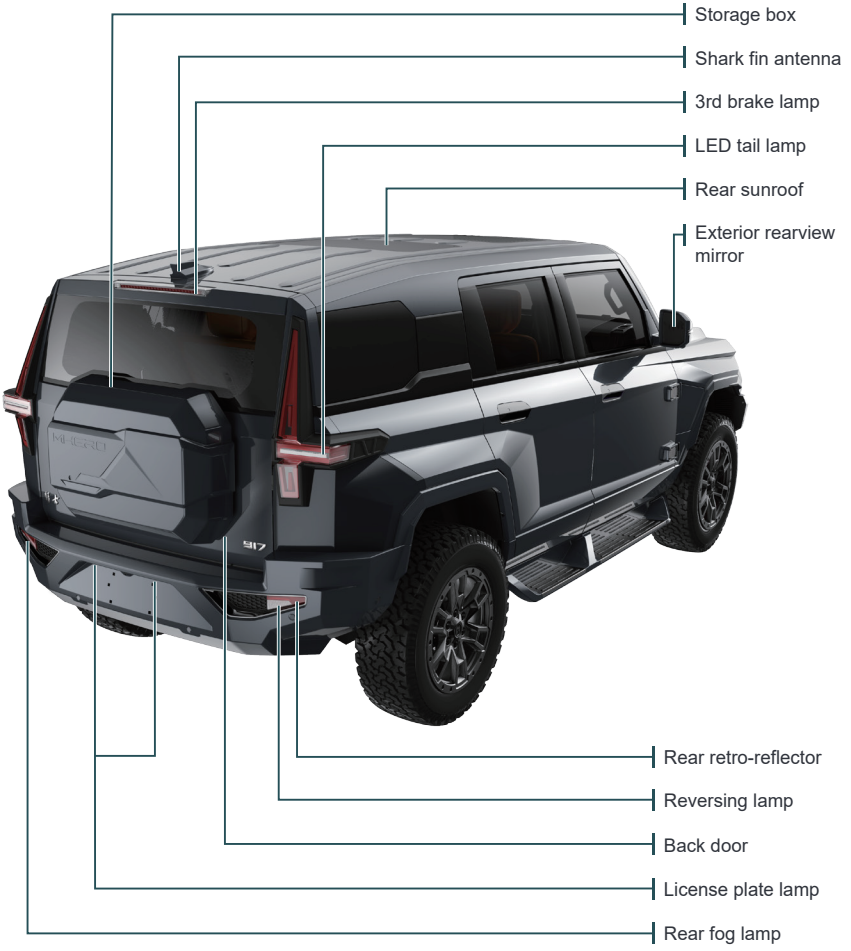
Basic performance parameters of vehicle 102

Mass Parameters 102
Performance parameters 102
Parameters of range extender * 102
Parameters of high voltage battery 103
Parameters of drive motor 103
Wheel parameters 103
Oil specification and volume 104
Battery 105
Suspension type 106
Steering gear 106
Brake 106
Brake pedal travel 106
Technical parameters of brake lining 107
Wheel dynamic balance value 107
Wheel alignment value 107

Common function index

Exterior

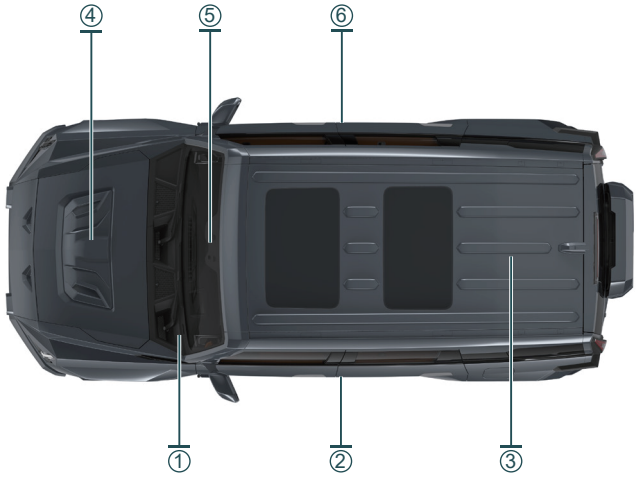



Storage box
Shark fin antenna
3rd brake lamp
LED tail lamp
Rear sunroof
Exterior rearview mirror
Rear retro-reflector
Reversing lamp
Back door
License plate lamp
Rear fog lamp

Internal


Driver side exterior rearview mirror and window buttons
Light stalk
Steering wheel
Instrument cluster
Wiper stalk
Streaming interior rearview mirror
CSD
Front passenger screen
Front center air outlet
All-terrain mode switching handle
Body height adjustment handle
Shift lever
Accelerator pedal
Brake pedal
Horn switch
Front left air outlet
Front left door opening button

Vehicle identification



① Vehicle identification number (VIN)

- On the lower left of the windshield
- On the right side member of the frame (steel seal)
- On the inside of the left and right B-pillars
- At the bottom of the tailgate drip channel
- On the left front door inner trim panel
- On the left rear door inner trim panel

You can also read the vehicle identification number (VIN) with a scan tool that matches the vehicle. The DLC is located under the left side of the lower steering column shield.

② Tire label

This label is affixed to the left B-pillar and contains the following information:

- Inflation air pressure at no-load and full-load
- Tire dimensions

③ Drive motor nameplate

- On the drive motor housing

④ Engine number*

- On the engine cylinder block

⑤ Microwave window

- In order to ensure the installation and reading of automotive electronic signs, a microwave window is reserved at the front windshield of the vehicle.

⑥ Vehicle manufacturer's nameplate

- On the right B-pillar of the front passenger door

NOTE

■ When pasting the electronic sign, do not overlap it with the glass frame or other objects.

Indicator



Legend	Description
	Left/right turn signal lamp indicator
	Automatic headlamp indicator
	Position lamp indicator
	Low beam indicator
	High beam indicator
	Front fog lamp indicator
	Rear fog indicator lamp
	Intelligent high/low beam indicator (ready, activated, faulty)
	ABS MIL
	Brake system MIL
	Gearbox MIL
AUTO HOLD AUTO HOLD AUTO HOLD	Auto hold indicator (ready, activated, faulty)
	Multi lane mode indicator
	LKA indicator (activated, faulty)
	LDW indicator (activated, faulty)
	ELK indicator (activated, faulty)

Legend	Description
	Air suspension MIL (common fault, serious fault)
	Motor MIL
	System MIL
	Creeping mode indicator (ready, activated, faulty)
	EPB indicator (activated, faulty)
	AEB indicator (off, faulty)
	Tire pressure warning indicator
	ICA indicator (ready, activated, faulty, degraded)
	ACC indicator (ready, activated, faulty)
	Automatic wiper ON indicator
	Low windshield washer fluid level warning indicator
RWS RWS	Rear wheel steering system MIL (common fault, serious fault)
	OBD system MIL
	EPS MIL (common fault, serious fault)
	Airbag MIL
	Airbag OFF indicator (driver, front passenger)
	Fatigue monitoring indicator (reminding, off, faulty)
	Emergency steering assist indicator (activated, faulty, degraded)
	Charging/discharging connection indicator
	Battery insulation MIL
	DCDC MIL (DC-DC converter)
	High voltage battery low level warning lamp indicator
	High voltage battery warning indicator (low temperature, high temperature, fault)
	JA indicator (on, off)
	Crossing status indicator

Legend	Description
	ESP indicator (off, faulty)
	NVS indicator (on, faulty)
	Front/rear differential lock status indicator
	Driver seat belt reminder indicator
	Rear seat belt reminder indicator
	Charging/discharging status indicator
	VSP OFF indicator
	T-BOX MIL (TCU)
READY	Ready status indicator (vehicle ready)
	Low fuel level warning indicator
	Oil pressure warning indicator
	High range extender coolant temperature warning indicator
	HDC indicator (ready, activated, faulty)
	CrabWalk mode indicator (activated, faulty)
	Power limited warning indicator
	Vehicle motion control function MIL (performance limited, off, faulty)
	CDC (continuous damping control) MIL (unavailable, faulty)

NOTE

- If the indicator/warning lamp on the instrument cluster goes up after the vehicle is started or while driving, it indicates that the relevant system is in a certain working state or is faulty. Please read and be aware of each indicator/alarm lamp in detail, and in case of failure, contact the Mengshi Experience Center.

Driving safety

Inspection before driving

For driving safety, be sure to check the following before driving:

- Confirm the surrounding environment and tire condition
- Steering wheel position
- Lighting and adjustment functions
- Wiper functions
- Seat and headrest positions
- Seat belt status
- Angle of interior and exterior rearview mirrors
- Driving range
- Brake pedal status
- Fuel level *

⚠ NOTICE

- Before driving off-road, please carefully check the oil level of the range extender to ensure that the oil level is at the upper mark of the oil dipstick.
- Before driving off-road, please top up the vehicle with fuel.
- If it is necessary to install the foot pad, observe the following precautions:
  - Do not overlap multiple foot pads.
  - Do not use foot pads that do not match this model.

Inspection after vehicle start/during driving

- Check whether the display of the instrument cluster is normal, whether there is a fault indicator on or an alarm message prompt, etc.
- Check whether the control switches (such as light combination switch, wiper combination switch, etc.) operate normally.
- Check whether the braking system is functioning properly while ensuring safety.
- Check the parts for looseness, traces of liquid leakage, and abnormal noise.

Driving safety precautions

◆ Precautions for different road conditions

When driving a vehicle, in the following cases, please reduce the speed in time and drive with caution:

- ◆ Severe weather with rain, snow etc.
- ◆ Uneven road
- ◆ Steep slope
- ◆ Slippery road

◆ Precautions for driving through flooded road section

Before passing through the flooded road section, it is necessary to determine the depth of the standing water, and the maximum allowable static wading depth for the vehicle is 900 mm. Before fording drive, please activate the wade mode first. After the wade mode is activated, the suspension height will be raised to the set height, and the water depth near the vehicle will be inspected. When the voice prompt indicates that the depth is too great, special attention shall be paid to the inspection of water depth to ensure that the vehicle can pass through the flooded road section without exceeding the maximum wading depth.

NOTE

- When driving in flowing water, avoid exceeding the maximum wading depth, maintain a constant speed of 5 km/h to 10 km/h, and always pay attention to the wading depth.
- Before fording drive, it is necessary to confirm the condition of standing water on the road surface. If the road section with standing water is longer or the water depth is unknown, the vehicle needs to detour and forced passage is prohibited.
- Fording drive cannot be considered as part of regular driving, and shall only be attempted when there is no alternative route.
- The wade mode is associated with the wading induction function, which can only detect the current water depth and cannot predict changes in water depth and wading risks. The driver needs to fully evaluate driving safety.
- Long term or deep wading may cause water to enter the vehicle, and may also damage the vehicle's power system and electrical components.
- During fording drive, the braking effect of the vehicle may be slightly worse than normal. After passing through the flooded road section, lightly depress the brake pedal several times in succession to restore normal braking performance.

NOTICE

- When passing through the flooded road section, do not stop midway or change driving mode, but drive at a constant speed of 5 km/h to 10 km/h.

◆ Precautions for driving in winter

Indoor parking spaces are preferred when parking.

Remove ice and snow on the vehicle surface in time to prevent abnormal vehicle function.

In low-temperature environments, the power performance and charging performance of the vehicle may weaken, which is a normal phenomenon; In order to ensure better performance, the vehicle can be charged in advance before use. In this case, the high voltage battery temperature control system will activate the battery preheating or charging gun insulation function.

Use windshield washer fluid and coolant suitable for local temperature conditions and check regularly.

In snowy weather, it is recommended to bring necessary emergency items: such as tire chains, snow shovels, sandbags or salt, window scrapers, jumper cables, signal flashing devices.

◆ Fire prevention

To prevent vehicle fire, pay attention to the following:

- It is strictly forbidden to store inflammable and explosive materials in the car.
- Cars shall be equipped with fire extinguishers, which shall be checked and replaced regularly.
- It is strictly forbidden to use an inverter to obtain power from the 12V power interface.
- When driving and parking the vehicle, keep away from flammable materials (such as hay, dead branches, leaves, etc.).
- Watch out for rat and ants, which can damage the vehicle harness and cause a fire.

⚠ WARNING

- It is strictly forbidden to disassemble or modify the charging port without permission.

◆ Tire chain

When driving on ice or snow covered roads, it is recommended to install tire chains on both the front and rear wheels to ensure driving safety. When driving with tire chains installed, keep a sufficient safety distance from the preceding vehicle, and do not depress the brake pedal suddenly.

⚠ WARNING

- The size and type of tire chains shall be consistent with the tire size, otherwise it will affect the safety and handling of the vehicle.
- Do not switch to SPORT mode when tire chains are installed on the vehicle.
- When driving with tire chains installed, do not exceed the speed limit for chains.
- Improper use of tire chains can damage tires and road surfaces.

Vehicle entry and anti-theft

Keyed entry



Press the smart key or Bluetooth key unlock button to unlock the door. At this time, the exterior rearview mirrors will be automatically unfolded, and the turn signal lamp will flash twice to indicate that the doors are unlocked.

Press the smart key or Bluetooth key lock button to lock the door. At this time, the exterior rearview mirror will be automatically folded, the turn signal lamp will flash once to indicate that the doors are locked.

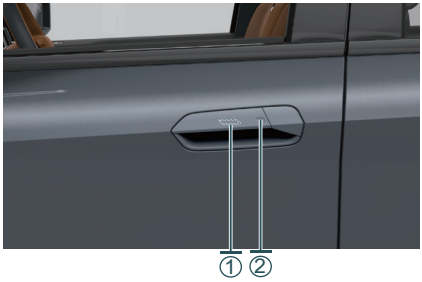
NOTICE

- After the START/STOP button is turned on, the smart key or Bluetooth key will not be able to control the doors.
- The vehicle will not be locked if either of the doors or the tailgate is not closed.
- Only the Bluetooth key that have established a Bluetooth connection between the mobile phone and the vehicle and have passed valid authentication can be recognized as a legitimate Bluetooth key.
- When the vehicle is in an environment with severe signal interference (such as strong magnetic field, power grid, high-voltage lines, etc.), the smart key may not work properly.

Keyless entry

All four doors of the vehicle are provided with keyless entry function.

◆ Keyless unlocking/locking



When the vehicle is in a locked state, carry the smart key or Bluetooth key, press the inner button ① of any door handle (as shown in the above figure), the vehicle will be unlocked, the left and right turn signal lamps will flash twice, and the exterior rearview mirrors will be unfolded automatically.

After the START/STOP button is turned off, close all doors and the tailgate, carry the smart key or Bluetooth key, press the button ② on any door handle, the vehicle will be locked, the left and right turn signal lamps will flash once, and the exterior rearview mirrors will be folded automatically.

NOTE

- If the unlocking/locking function is triggered multiple times in a short period of time, the keyless entry function will be disabled for a period of time.

◆ Automatic unlocking upon approaching

When you approach the vehicle with the smart key, the door will be automatically unlocked, the left and right turn signal lamps will flash twice, and the exterior rearview mirrors will be unfolded automatically.

◆ Automatic locking upon leaving the vehicle

After the START/STOP button is turned off, close all the doors and the tailgate and keep away from the vehicle with the smart key, the doors will be locked automatically, the left and right turn signal lamps will flash once, and the exterior rearview mirrors will be folded automatically.

NOTE

- When leaving the car, do not leave the smart key in the car. When there is a valid key in the car, the vehicle will not perform automatic locking upon leaving the vehicle.
- Leaving the vehicle does not automatically lock the vehicle when either door or the tailgate is not fully closed.
- Set the function of automatic unlocking upon approaching/automatic locking upon leaving the vehicle in the Vehicle Center >> Vehicle Settings >> Body Settings interface of the CSD.
- The keyless entry function is still available when the function of automatic unlocking upon approaching/automatic locking upon leaving the vehicle is turned off.

Vehicle anti-theft

After the vehicle is locked, when the door is illegally forcibly opened, the vehicle anti-theft system will be triggered. In this case, the horn will sound for 30 seconds and the turn signal lamp will flash for 30 seconds.

Set the body anti-theft alarm to light or sound+light mode in the Vehicle Center >> Vehicle Settings >> Body Settings interface of the CSD.

NOTE

- When the vehicle anti-theft alarm system is triggered, you can check the prompt information through the Mengshi APP message push on your mobile phone (provided that the APP is in a login state and the message push permission is enabled).
- When the vehicle anti-theft alarm system is mistakenly triggered, you can release the alarm by pressing the smart key unlock button to prevent noise pollution caused by prolonged alarm.

WARNING

- It is strictly forbidden to install or modify the vehicle anti-theft alarm system and its components, otherwise it may cause the vehicle anti-theft alarm system to fail.

Safety equipment

Seat belt

◆ Function of seat belt



When the vehicle brakes in an emergency or collides, the seat belt can restrain the driver and occupant on the seat, preventing them from having a secondary collision with other components in the vehicle, and ensuring that the occupants can be effectively protected by the airbag.

⚠ WARNING

- All occupants, including pregnant women, shall wear seat belts correctly when driving.
- Please select and use an appropriate child seat for child occupants.

◆ Consequences of not wearing a seat belt

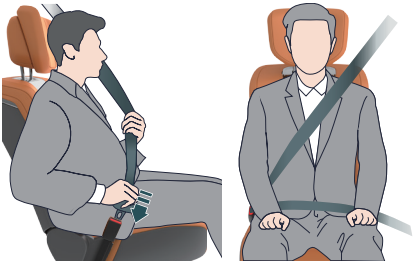


In the event of a vehicle collision, the driver and occupant who are not wearing seat belts may be thrown out of the vehicle and injured due to inertia. Even if the vehicle speed is very low, the force acting on human body during a collision is very large, and a secondary collision is very likely to occur.

Rear seat occupants must also wear seat belts correctly, otherwise they may be thrown out of the vehicle in the event of an accident. If the rear seat occupant is not wearing a seat belt, the safety of this occupant and other occupants in the vehicle will be threatened.

◆ Proper wearing of seat belt

Fasten your seat belt



1. Pull out the seat belt slowly and evenly, and be careful not to let it tangle;
2. Insert the seat belt tongue into the corresponding seat buckle until a "click" sound is heard;
3. Pull the webbing to check whether the connection between the buckle and the tongue is normal;
4. The waist webbing shall be fixed downwards as close to the hip as possible and be tight;
5. The shoulder webbing shall cross the chest diagonally from the shoulder rather than from under the arms or behind the neck. Tighten the seat belt and tug the slack part.

Unfasten seat belt

1. Hold the seat belt part next to the tongue to prevent the seat belt from being retracted too quickly;
2. Press the red button at the buckle, take out the tongue, and the seat belt will be automatically retracted into the retractor.

◆ Seat belt reminder

When the vehicle is driving, if the front or rear occupants do not wear seat belts, the corresponding seat belt unfastened indicator in the instrument cluster will light up with a warning sound until the seat belt is fastened, then the indicator and alarm sound will disappear.

NOTE

- Incorrect sitting posture may result in the sensor not detecting passengers and the seat belt reminder not functioning properly.

◆ Seat belt pretentioning and force limit



Front seat belts and rear seat belts on both sides seat are equipped with pre-tensioning and force limit devices, which can significantly improve the protection of occupants in the event of a forward, sideways or rearward collision. According to the impact intensity, after the pre-tensioning device is triggered, the seat belt can be tightened immediately, and the force limiting device can relieve the pressure of the seat belt on the passenger's chest and enhance the protection function.

◆ Inspection and maintenance of seat belt

Before each use of the seat belt, please confirm whether the following three functions of the seat belt are functioning normally. If there is any abnormality, please contact the Mengshi Experience Center:

① Fasten the seat belt, pull the webbing at the lock tongue, and the lock tongue shall be locked and do not come out;

② Check whether the seat belt can be retracted and pulled out smoothly, and check the wear of the webbing;

③ Pull out the seat belt halfway, hold the lock tongue and pull it forward quickly, then the seat belt shall be locked automatically.

⚠ WARNING

- Always wear the seat belt correctly when the vehicle is in motion. Improperly wearing a seat belt increases the risk of injury or death in the event of a collision.
- Before wearing the seat belt, make sure the seat is adjusted to a proper position.
- Two persons must not share a seat belt at the same time (for example, holding a child), as it will cause secondary injury to the child in the event of an accident.
- Do not tilt the seat backrest too far backward, otherwise it will seriously affect the protection function of the seat belt.
- Do not attach the seat belt to hard, fragile or sharp objects, such as pens, keys, glasses, etc., which may cause personal injury.
- Do not place anything between the body and the seat belt, so as not to affect the protection function of the seat belt.
- Before and after using the seat belt, you shall check whether the seat belt is tangled.
- The seat belt shall be kept clean, and the socket shall not be blocked by foreign objects, otherwise the reliable engagement of the seat belt buckle will be affected.
- Before use, please carefully check whether the seat belt and its fixing mechanism are damaged or aged. If they are damaged, do not continue to use them but contact the Mengshi Experience Center.
- It is strictly forbidden to modify the seat belt without authorization, so as not to interfere with the normal operation of the seat belt or make the seat belt unusable.
- You can only use the neutral soap and warm water to clean seat belts. Never use solvents to clean seat belts. Do not bleach or dye the seat belt, otherwise the strength of the seat belt will be seriously weakened. After cleaning, the seat belt shall be wiped clean and dried in the shade. Do not retract the seat belt into the retractor until the seat belt is completely dry.
- If the seat belt reminder alarm function is abnormal, please contact the Mengshi Experience Center.
- It is strictly forbidden to insert any substitute for seat belt tongue into the seat belt buckle to eliminate the seat belt reminder alarm.

Airbag

As an auxiliary device of the occupant restraint system, the airbag needs to be used in conjunction with the seat belt to play a protective role. In the event of a vehicle collision, the airbag can fully protect the occupants in the vehicle. To minimize the risk of injury in the event of a collision, drivers and passengers shall try to maintain a correct sitting position and wear seat belts correctly at all times.

Airbags are provided on the vehicle, which can be divided into the following types according to the type and installation position:



①	**Driver airbag** (located under the steering wheel central cover plate)
②	**Front passenger airbag** (located under the instrument panel right upper cover plate)
③	**Front seat side airbag** (located on the outside of the front seat)
④	**Side curtain airbag** (located above the doors on both sides, in the ceiling area from A-pillar to C-pillar)

The vehicle is equipped with a collision sensor. In the event of a frontal collision or a side collision that can give rise to detonation of the airbag system (depending on the type and angle of the collision, and the object that collides the vehicle), the airbag system will detonate the airbag at the corresponding position, and the gas generator inside the airbag ignites and releases gas under a certain pressure to make the airbag cover pop open. Then the gas will fill the entire airbag space, forming a buffer protection layer to support the passengers, thereby reducing the risk of injury or death for the driver and passengers.

◆ Airbag OFF

When driving a vehicle outdoors for off-road driving over sandy terrain with the all-terrain sand mode turned on, in order to prevent accidental deployment of airbags, you can choose to temporarily turn off the driver/front passenger airbag.

In the Vehicle Center >> Vehicle Settings >> Safety Assistance interface of the CSD:

- Set to turn on/off the driver airbag.
- Set to turn on/off the front passenger airbag.

Airbag OFF indicator

When the airbag OFF indicator on the instrument cluster comes on, it indicates that the driver/front passenger airbag passenger airbag function has been turned off.

◆ Airbag indicator

After the START/STOP button is turned on, the indicator will light up, and it will go out after the system completes the self-test, indicating that the system is functioning properly.

Airbag MIL

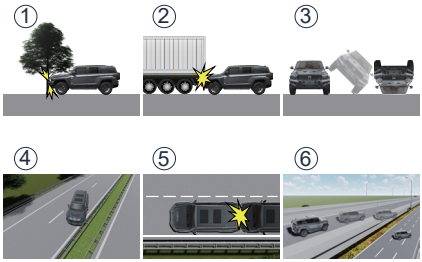
If the following situations occur, it indicates that the system is faulty. In this case, please contact the Mengshi Experience Center:

- ◆ After the START/STOP button is turned on, the indicator does not light up during the self-test.
- ◆ After the START/STOP button is turned on and the system completes the self-test, the indicator do not go out.
- ◆ The indicator comes on or flashes when the vehicle is in motion.

⚠ NOTICE

- ■ After off-road driving over sandy terrain, please turn on the driver/front passenger airbag in a timely manner.

◆ Situations in which airbags may not be deployed



① The front end of the vehicle hits a concrete pillar, tree or other slender objects.

② The vehicle hits the rear lower part of a truck and other large trucks.

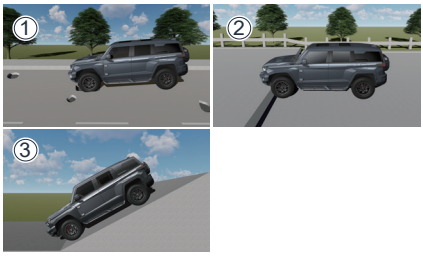
③ The vehicle rolls over.

④ The other positions (non-front end) of the vehicle hits a wall or a vehicle.

⑤ The rear of the vehicle is hit by another vehicle.

⑥ The vehicle falls from a height with the bottom touching the ground first.

◆ Situations in which airbags may be deployed



① The vehicle head hits the ground when crossing a road with deep potholes.

② The vehicle hits convex on the side of the road, curbs, etc.

③ When going down a steep slope, the vehicle head hits the ground.

WARNING

- Do not place any decorations on the surface of the IP, because those decorations will injure the driver and the passengers in the vehicle once the airbags are deployed.
- Never place a child safety seat on or allow a child to sit in a seat with frontal airbag. Otherwise, personal injury or death may occur when the airbag deploys.
- Never place any objects near driver airbag, front passenger airbag, the sides of the front seats, the edges on both sides of the ceiling, and any other areas that may interfere with the deployment of the airbags. Because these objects could cause serious injury to the driver and passengers when the airbags deploy in the event of a vehicle collision.
- Do not modify the steering wheel, seat or its interior accessories, or attempt to repair, adjust or modify the airbag.
- Do not use seat covers or other items to cover the seat airbag, as the seat airbag will not be able to provide protection in the event of an accident.
- All occupants in a vehicle shall wear seat belts at all times, regardless of whether the seating position is equipped with airbags so as to reduce the risk of personal injury or death in an accident.
- After the airbag is deployed, the airbag components will be hot. Please do not touch them to avoid burns.
- The airbag only works once. The deployed airbag is unable to provide protection in second collision. In this case, contact the Mengshi Experience Center for replacement.
- Please visit Mengshi Experience Center regularly to check the status of the airbag and replace it in time if necessary.

Child riding safety

◆ Instructions for riding of children

An adult should supervise the child sitting in a vehicle during driving to ensure its safety. Choose a suitable child seat according to the size of the child.



Warning label attached to the right sun visor

To remind the front row occupants of the danger of deploying the frontal airbag, please read and follow the instructions on the label.

WARNING

- Do not leave child alone in the vehicle.
- Do not allow a child to sit in the front seat, otherwise serious injury to the child may result when the airbag deploys.
- Children under 13 kg must sit in a rear-facing child seat fixed on rear seats. Rear window deactivation and child safety lock functions shall be enabled when a child is sitting in rear seats.
- During driving, keep the child in correct sitting position and do not allow the child to stand or kneel on the seat.
- Do not allow children to stick their bodies (such as heads, hands, etc.) out of the window.
- Do not allow children to operate windows, sunroof sunshade, etc. to prevent pinching.

Child safety seat

◆ Selection of child safety devices

According to the regulations of *Restraining devices for child occupants of power-driven vehicles*, child seats are divided into:

Group 0 / 0+ **child safety seat**

suitable for infants weighing less than 13 kg.



Group II **child safety seat**

suitable for children weighing 15 kg to 25 kg.



Group I **child safety seat**

suitable for children weighing 9 kg to 18 kg.



Group III **child safety seat**

suitable for children weighing 22 kg to 36 kg.



Suitability information of child safety seats for different seating positions:

Quality group	Seat position		
	Front passenger seat	Rear outside seat	Rear middle seat
Group 0: <10 kg	X	U	X
Group 0+: <13 kg	X	U	X
Group I: 9 to 18 kg	X	U	X
Group II: 15 to 25 kg	X	U	X
Group III: 22 to 36 kg	X	U	X

U - The seat position is suitable for a general child safety seat approved by this quality group.

X - The seat position is not suitable for the installation and use of a child seat of this quality group.

Suitability information of ISOFIX child safety seats for different seating positions:

Quality group	Size	Fixing module	Seat position		
			Front passenger seat	Rear outside seat	Rear middle seat
Portable baby cradle	F	ISO / L1	X	X	X
Group 0: <10 kg	G	ISO / L2	X	X	X
	E	ISO / R1	X	IL	X
Group 0+: <13 kg	E	ISO / R1	X	IL	X
	D	ISO / R2	X	IL	X
	C	ISO / R3	X	IL	X
Group I: 9 to 18 kg	D	ISO / R2	X	IL	X
	C	ISO / R3	X	IL	X
	B	ISO / F2	X	IUF	X
	B1	ISO / F2X	X	IUF	X
	A	ISO / F3	X	IUF	X

IUF - The seat position is suitable for forward universal ISOFIX child safety seats approved by this quality group.

IL - The seat position is suitable for a special type ISOFIX child safety seat (e.g., for special vehicle, restricted or semi-universal).

X - The seat position is not suitable for the installation and use of a child safety seat of this quality group.

◆ Proper installation of child safety seat



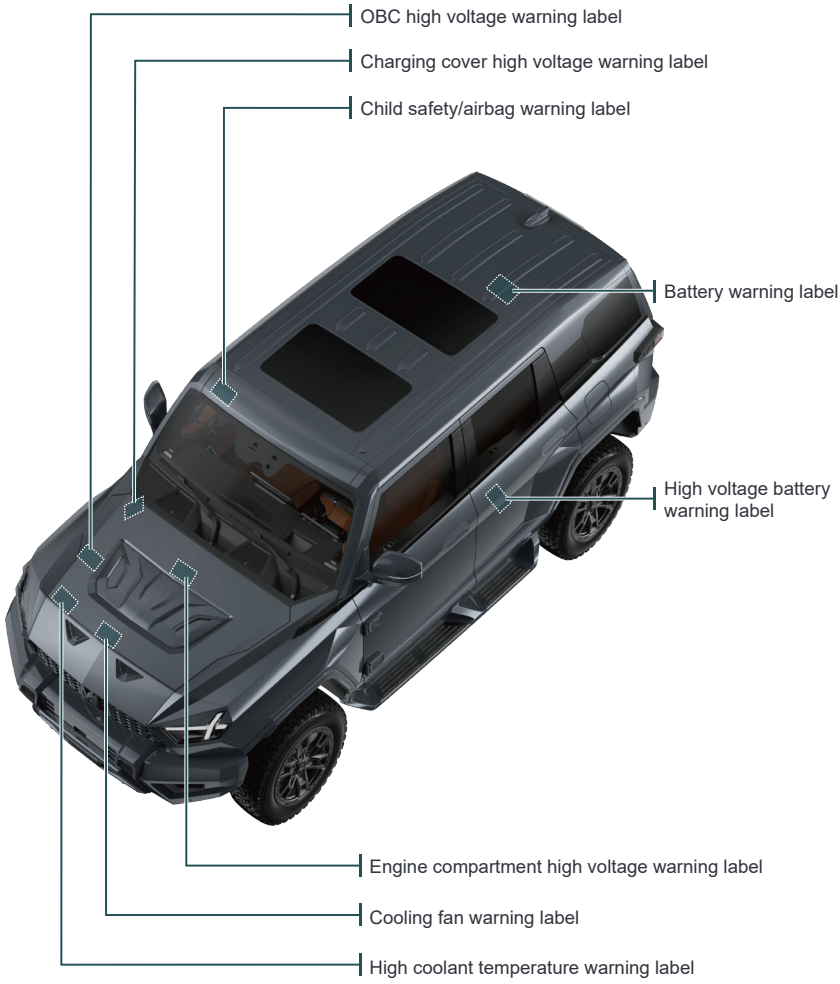


The rear seats of this vehicle are equipped with ISOFIX system, which can be used for the connection and installation of child safety seats. The system consists of a lower fixing point ① and an upper strap fixing point ②. The lower fixing point ① is located in the gap between the backrest and cushion of the seat, and is used to install a child safety seat with ISOFIX interface. The upper strap fixing point ② is located behind the seat backrest. According to the type and installation instructions of the child safety seat, you can choose the upper strap fixing point ②, the lower fixing point ① or a three-point seat belt to cooperate in installation of the child safety seat.

⚠ WARNING

- Do not attach the fastening belt, hard sharp objects, or anything other items that do not come with the child safety seat to the fixing device, as this could endanger the child's life in the event of an accident.
- Do not wrap the seat belt as this will reduce protection effect.
- Be sure to check the size rating in accordance with the manufacturer's instructions, the packaging, and the label of the child safety seat. Refer to the child safety seat instruction manual for instructions on proper installation.

Safety label instructions



1	OBC high voltage warning label: located on the OBC in the engine compartment
2	Charging cover high voltage warning label: located on the protective cover of the charging port
3	Child safety/airbag warning label: located on the front passenger sun visor
4	Battery warning label: located on the battery case
5	High voltage battery warning label: located at the rear of the high voltage battery
6	Engine compartment high voltage warning label: located on the engine compartment
7	Cooling fan warning label: located on the upper part of the cooling fan
8	High coolant temperature warning label: located on the engine compartment trim panel

NOTE

- If the location or quantity indicated by the label is different from that of the real car, the latter shall prevail.
- If the label comes off or is difficult to read, please contact Mengshi Experience Center.

WARNING

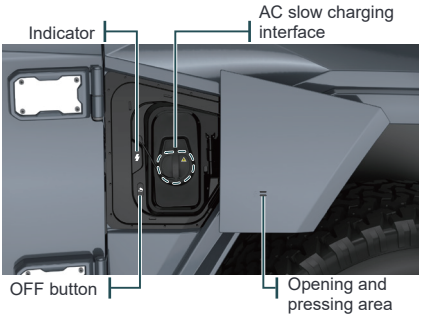
- Label information concerns the safety of people and vehicles, and therefore must be strictly followed.

Charging guide

When the IC indicates that the vehicle's power is low, please charge the vehicle in time, otherwise it will affect the service life of the high voltage battery and the driving experience of the vehicle.

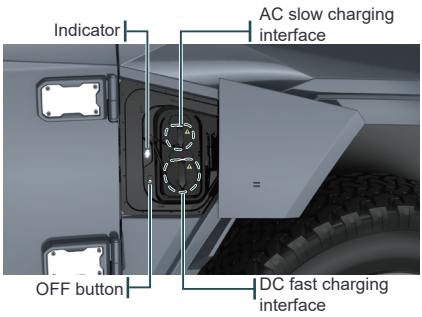
Charging port

EV charging port

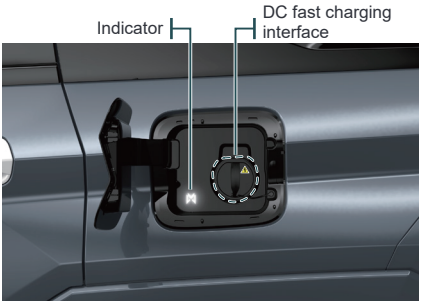


Located at the right front of the vehicle.

REV charging port



Located at the right front of the vehicle.



Located at the left rear of the vehicle.

WARNING

- It is strictly forbidden to disassemble or modify the charging port without permission.

Inspection before charging

- Make sure the charging cable is not twisted or worn and the connector is not rusted.
- Make sure that the charging connection device is securely connected.
- Make sure that the inside of the charging port is dry, free of water stains or foreign objects, and that the metal terminals are not skewed, damaged, rusted or corroded.

If the above conditions are not met, charging is strictly prohibited, otherwise it may cause short circuit or electric shock and thereby cause personal injury.

◆ Charging with dedicated AC charging pile

Mengshi Automotive Technology Company has equipped your car with a dedicated AC charging pile to provide you with a safe and reliable AC power source.

The charging method is as follows:

1. Check the lighting status of the AC charging pile; During standby, the logo lamp (M) is normally on, and the status indicator below goes off;
2. Unlock the vehicle, press the lower part of the AC charging cover to electrically open it;
3. Open the protective cover of the AC charging port, and connect the charging gun that comes with the charging pile to AC charging port of the vehicle;
4. After waiting for a few seconds, confirm that charging is in progress by checking that the charging connection indicator on instrument cluster is illuminated, the charging status is displayed, the charging port indicator is green breathing, and the charging pile indicator is green breathing;
5. To stop charging, you need to unlock the vehicle, press charging gun unlock button, pull out the charging gun and put it back to the corresponding position on charging pile;
6. Close the protective cover of the AC charging port, and press the close button on the charging cover to electrically close it.

NOTE

- Please refer to the product manual of charging pile for the charging pile MIL and fault description.
- Set the target charging level in the Energy Management >> Charging interface of the CSD.
- Do not shake the charging gun when unplugging or plugging it, to prevent damage to the charging device.

NOTE

- The vehicle can only be charged when parked. The vehicle cannot be charged during driving (in R or D gear) or software upgrading.
- The charging progress is displayed on the instrument cluster during charging with the estimated remaining time to fully charged indicated.
- When the high voltage battery is fully charged, the charging system will automatically stop charging.
- When the external grid is powered off for a short time and powered on again, the charging process will automatically restart during charging with Mengshi dedicated charging pile. If a public charging pile is used for charging, the charging process needs to be restarted on the charging pile.

NOTICE

- Avoid frequent charging of the vehicle through DC fast charging, because long-term DC fast charging can affect the life of the high voltage battery.
- After pulling out the charging gun at the end of charging, make sure that the charging port protective cover and charging cover are closed.
- If the vehicle needs to be stored for a long time, please ensure that the remaining power of high voltage battery is not less than 60% for EVs, and not less than 85% for REVs. To extend the service life of the high voltage battery, it is recommended to charge every three months.
- After long-term storage, please fully charge the vehicle before using it for the first time.

WARNING

- When the vehicle is charged, do not touch the charging device, otherwise there may be a risk of electric shock.
- Please follow the charging pile operation guide.

Discharging guide

Inspection before discharging

- Make sure that the discharge gun is not damaged, the connecting cable of electric equipment is not twisted or worn, and the connector is not rusted.
- Make sure that there are no water stains or foreign objects in the charging port, and that the metal terminals are not skewed, damaged, rusted or corroded.

Start of charging

1. Unlock the vehicle, open the charging cover and the protective cover of the AC charging port;
2. In the Energy Management >> Discharging interface of the CSD, turn on the discharging function and set the discharge limit;
3. Connect the electric equipment after the discharge gun is connected to the AC charging port. When the discharge conditions are met, the vehicle automatically starts discharging.

Stop of discharging

Turn off the discharge function in the Energy Management >> Discharging interface of the CSD; Push aside the discharge gun pull tab, and pull out the discharge gun to stop discharging.

When the high voltage battery level is lower than the set discharge cut-off level, the range extender will be activated to charge the high voltage battery to ensure continuous discharge.

NOTE

- The vehicle supports car-to-car charging. Before using the "V2V discharge gun" to charge other vehicles, you need to first activate the "V2V" discharge function in the Energy Management >> Discharging interface of the CSD before connecting the discharge gun.
- After the external discharge is completed, please turn off the discharge switch in a timely manner to avoid affecting the normal charging of the vehicle.

NOTE

- Before discharging, please make sure that the electric equipment is turned off.
- After connecting the discharge gun, confirm whether the discharge status indicator on the instrument cluster is on. In case of failure to discharge normally after the charging gun is inserted, use the smart key to unlock or lock and wake up the vehicle until the indicator is on, or confirm whether the remaining power of the high voltage battery is too low for discharging.

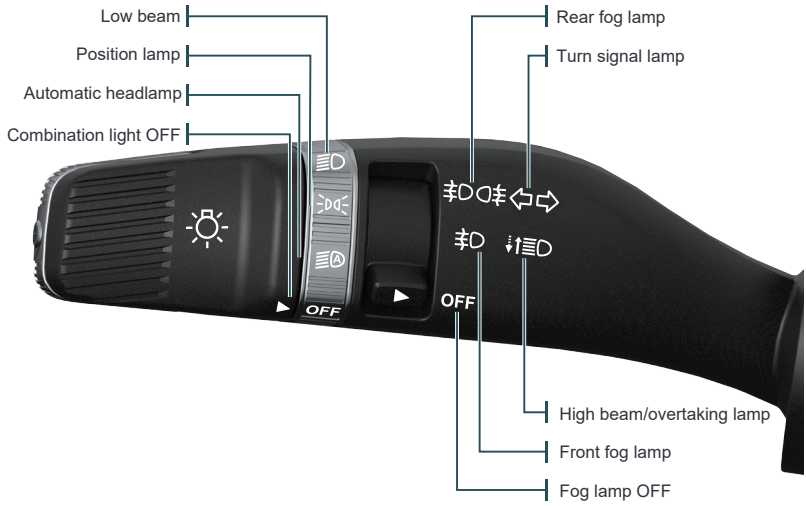
WARNING

- The maximum allowable power shall not exceed 6000 W.
- Do not use the discharge gun in damp environments.
- When discharging, it is strictly forbidden to place the sockets of the discharge gun and the electric equipment near the tailgate, the vehicle head and the tires to avoid damage or the risk of electric leakage.
- If there is any abnormal situation during discharge, such as peculiar smell, smoke, etc., please stop the operation immediately and contact the Mengshi Experience Center.

Lighting


Front position lamp
Daytime running lamp
Turn signal lamp
Projection lamp
Side turn signal lamp
Outside handle lamp
Low beam/high beam
Front fog lamp
3rd brake lamp
Brake lamp
Rear turn signal lamp
Rear position lamp
Side marker lamp
Rear retro-reflector
Reversing lamp
License plate lamp
Rear fog lamp

◆ Combination light switch







After the START/STOP button is turned on:

- ◆ Dial the light stalk down to turn on the left turn signal lamp.
- ◆ Dial the light stalk up to turn on the right turn signal lamp.

High beam ON: After the low beam is on, push the light stalk toward the instrument panel to turn on the high beam, and the high beam indicator on the instrument cluster goes up.

High beam OFF: After the high beam is on, pull the light stalk toward the driver to turn off the high beam, and the high beam indicator on the instrument cluster goes off.

Overtaking lamp: After the low beam is on, push the light stalk in the direction of the steering wheel and release it repeatedly, and the high beam will flash on and off.

◆ Intelligent low beam

When the automatic headlamp function is activated and the vehicle speed exceeds 70 km/h under high-speed road conditions, the vehicle enters the intelligent low beam high-speed mode, in which the low beam automatically adjusts the shape of the beam, making the lighting range wider and farther.

The intelligent low beam high-speed mode will be automatically exited when the vehicle speed is below 70 km/h or the low beam is turned off, and can be activated again after the above conditions are met again.

NOTE

- The intelligent low beam function is exited when the driver manually adjusts the light stalk.

WARNING

- The intelligent low beam can not be applied in all conditions. Under complex traffic conditions, the driver needs to manually adjust the high and low beams.
- If the surface of the smart front-view camera at the front windshield is dirty, blocked, bumped or damaged, it will affect the normal use of intelligent low beam. Please deal with it in time.

◆ Hazard warning lamp



The hazard warning lamp switch is located in the middle of the instrument panel control panel.

When the vehicle fails or is in danger, press the hazard warning lamp switch, then the left and right turn signals and the left and right turn indicators on the IC will flash synchronously; press the switch again to turn off the hazard warning lamps.

Hazard warning lamps shall be turned on in the following situations (including but not limited to):

- The vehicle breaks down.
- The vehicle is experiencing traffic congestion on highways or urban expressways and is at the end of the traffic flow.
- The vehicle is running or temporarily parked in bad weather with poor visibility (such as heavy rain, heavy fog, etc.).
- In an emergency.
- The vehicle is towed.

NOTE

- During emergency braking, the hazard warning lamps are automatically turned on, and the left and right turn signal lamps flash simultaneously.

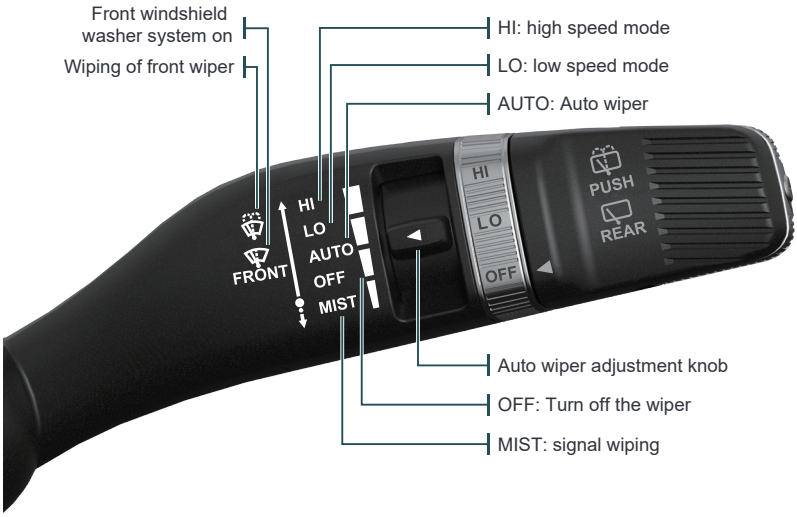
NOTICE

- In the event of an emergency, if the hazard warning lamps do not work, other methods must be adopted to attract the attention of other road users, and the methods used must comply with the relevant traffic laws.
- After the START/STOP button is turned off, under the premise of ensuring safety, please turn off the hazard warning lamps to prevent the battery from being drained.
- When handling an accident, please turn on the hazard warning lamps in time and wear a reflective vest as required.

Wiper and washer switch

The wiper stalk controls the front and rear wipers and washers. In different weather conditions, reasonable use of wipers and washers can improve the driver's vision.

Front wiper



◆ Front windshield washer system on

Pull the wiper stalk toward the driver to the limit position, the front nozzle will start to spray the washer fluid, and the front wiper will work at the same time.

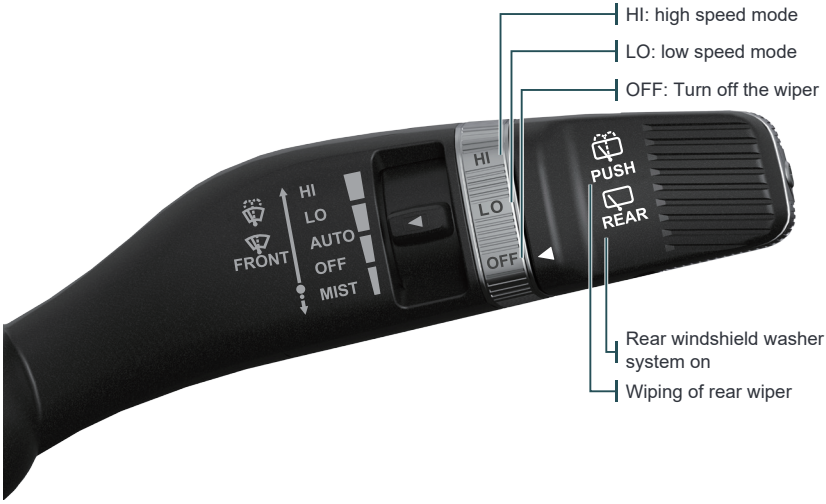
Release the wiper stalk to make it return to the original position, the front windshield washer system will be turned off, and the front wiper will be continuously wiping for 3 times to clean the front windshield.

◆ Front wiper maintenance

After the START/STOP button is turned off, toggle the wiper stalk to the MIST position to enter the wiper maintenance mode.

After the START/STOP button is turned on again, the wipers will be automatically reset and the maintenance mode will be exited.

Rear wiper



◆ Rear windshield washer system on

Push the wiper stalk towards the instrument panel to the limit position, the rear nozzle will spray washer fluid to the rear windshield, and the rear wipers will work simultaneously.

Release the wiper stalk to make it return to the original position, and the rear window washer system will be turned off. The rear wiper will be wiping for 2 times continuously to clean the rear windshield.

◆ Rear wiper reversing linkage

In the Vehicle Center >> Vehicle Settings >> Body Settings interface of the CSD, set the automatic wiper function on/off. After the function is turned on, when the front wipers work and the R gear is engaged, the rear wipers will work once.

◆ Rear wiper maintenance

1. Open the tailgate storage box.

2. Raise the rear wiper arm for maintenance of rear wiper.

NOTE

- The windshield washer system should not be used for too long each time, otherwise the motor of the windshield washer system may be damaged.
- When using the windshield washer system, please close the sunroof and tailgate, otherwise windshield washer fluid may splash into the vehicle.

NOTICE

- When the instrument cluster prompts sensor fault, for safety reasons, the wipers will keep wiping at a slow speed. You can also manually adjust the wiper stalk to a suitable gear. If the sensor fails, please clean the surface of the front windshield in time. If the fault is still not eliminated, please contact the Mengshi Experience Center.
- When washing the vehicle, please turn off the auto wiper function to avoid damage to the wiper or personal injury.
- The auto wiping is an auxiliary function, and the driver still needs to manually adjust the wiper according to the external environment to ensure driving safety if necessary.
- Before using the wipers, make sure that the wipers are not frozen.
- It is strictly forbidden to use the wiper without water. If the rain is small, it is necessary to spray the washer fluid before using the wiper to avoid damage to the windshield and the wiper blade.
- Please use different types of washer fluid according to the driving environment. It is strictly forbidden to add water in severe cold weather, otherwise the windshield washer system will be damaged.
- Please replace the wiper blades regularly for good driving visibility.

Steering wheel

Steering wheel horn



When the steering wheel is pressed in any position in the middle, the horn will sound, and when it is released, the sound will stop.

NOTE

- Please use the horn only in necessary situations (such as poor visibility, emergency, etc.). When using the horn, the requirements of local traffic laws should be observed.

Steering wheel electric adjustment

The steering wheel electric adjustment button is located on the left side the steering column cover. Move the adjustment buttons up, down, front, and back as indicated by the arrow to adjust the steering wheel to the appropriate position for optimal driving, and ensure that all information on the instrument cluster can be clearly seen.



NOTE

- The driver seat position, exterior rearview mirror, and steering wheel position will be memorized simultaneously. Refer to the driver seat for instructions on using steering wheel memory.

WARNING

- It is strictly forbidden to adjust the position of the steering wheel while driving to avoid accidents.
- Improper adjustment of the steering wheel position or improper sitting posture may cause personal injury. It is recommended that the distance between the steering wheel and the chest be at least 25 cm.

◆ Steering wheel courtesy

Set the steering wheel courtesy function on/off in the Vehicle Center >> Vehicle Settings >> Body Settings interface of the CSD.

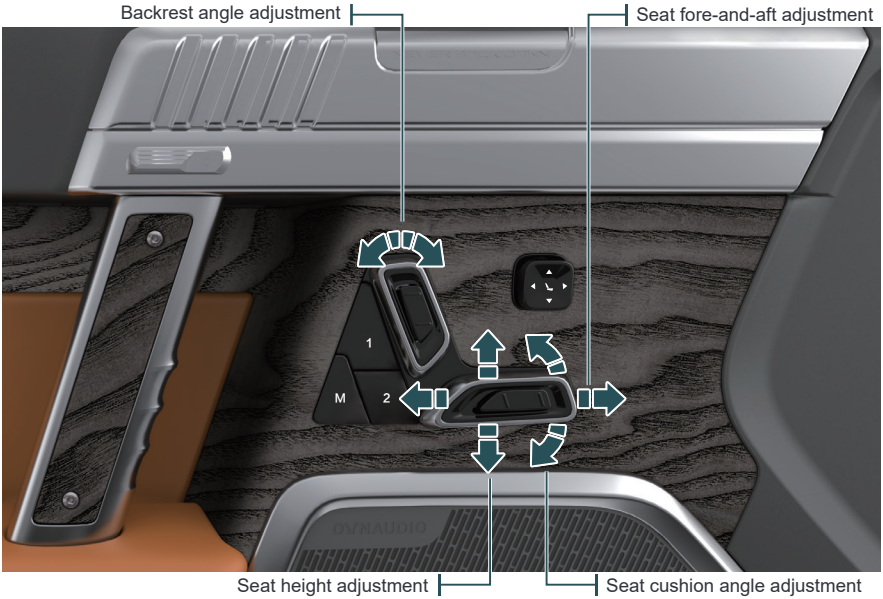
After the driver gets into the vehicle, closes the door and turns on the vehicle START/STOP button, the steering wheel will be automatically adjusted to the courtesy position.

When the driver is ready to get off the vehicle, turn off the vehicle START/STOP button, and the steering wheel will automatically tilt up and retract to the position before courtesy, making it convenient for the driver to get off the vehicle.

Seat

Front seat

◆ Seat 8-way electric adjustment



The front seat adjustment buttons are located on the left and right door protective plates.

The seat forward/backward adjustment, height adjustment, seat cushion angle adjustment, and backrest angle adjustment can be made by the seat adjustment buttons.

◆ Seat lumbar support 4-way adjustment



The lumbar support can be adjusted up, down, forward and backward by the adjustment button.

◆ Seat leg support adjustment



Press the leg support adjustment button forward and backward to adjust the position of the leg support forward and backward.

◆ Driver seat side wing adjustment

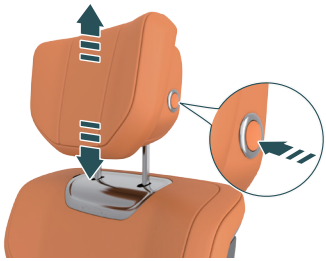


Press the side wing adjustment button up and down to adjust the angle between the side wings of the seat and the backrest.

NOTE

- In the Vehicle Center >> Seat Control interface of the CSD, select the driver seat to adjust the driver seat position, lumbar support, side wings, and seat cushion; Selecting the front passenger seat to adjust the front passenger seat position, lumbar support, and seat cushion.

◆ Head restraint adjustment



The head restraint can be adjusted up and down by pressing the head restraint button.



Pull the wings on both sides to adjust them forward and backward.

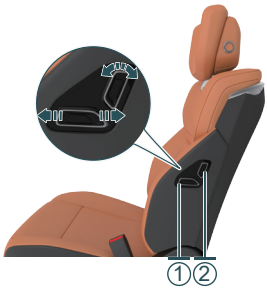
NOTE

- The lowest position of the second row head restraint is not the service position. When using the head restraint, please adjust it to the appropriate position according to the actual height of the passenger.

WARNING

- It is strictly forbidden to place objects under the front seats.
- The driver is strictly prohibited from adjusting the seat while driving.

◆ Rear control button of front passenger seat



The rear control button of front passenger seat is located on the left side of the backrest of the front passenger seat.

① Front passenger seat forward/backward adjustment

② Front passenger seat backrest angle adjustment

◆ Driver seat memory function



Position memory

The seat memory can memorize two sets of positions.

1. Adjust the driver seat, left and right exterior rearview mirrors, and steering wheel to the proper position.
2. Press and hold the memory setting button M, and the button indicator will light up;
3. Release the memory setting button M, immediately press the position memory button 1 or 2, and the button indicator will continue to light up for 5 seconds (the button M indicator will go out, and then the position memory button 1 or 2 indicator will go out), indicating that the seat position memory setting is successful.

Memory position call-up

After the START/STOP button is turned on, press and release the position 1 or position 2 button, and the button indicator will flash to recall the memorized seat position.

NOTE

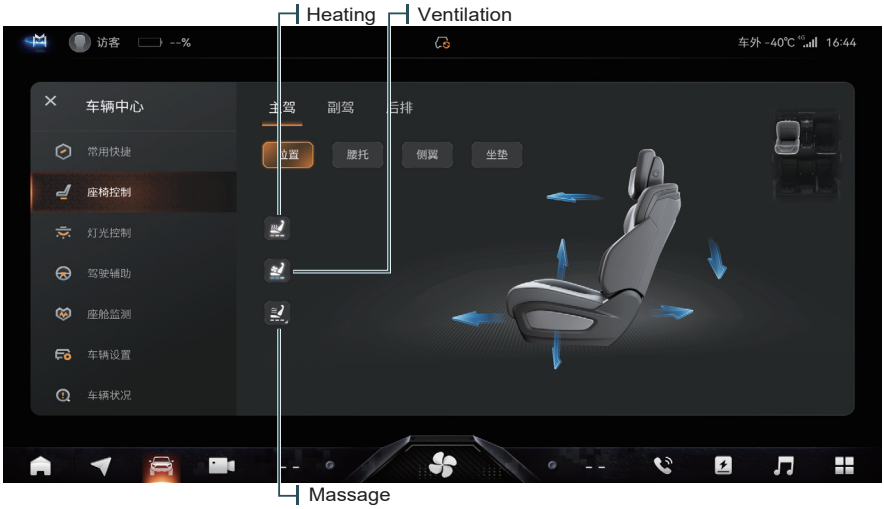
- The driver seat position, exterior rearview mirror, and steering wheel position will be memorized simultaneously.
- For the use of passenger seat memory, refer to the driver seat.
- If all two seat memory positions have been set, when setting a new seat memory position, select any seat memory position that have been set, and perform memory again. After the new memory position is successfully set, the previous seat memory position will be overwritten.

◆ Driver seat courtesy

The seat courtesy function can be turned on/off in the Vehicle Center >> Vehicle Settings >> Body interface of the CSD.

- After the driver gets into the vehicle, closes the door and turns on the vehicle START/STOP button, the driver seat will be automatically adjusted forward to the courtesy position.
- When the driver turns off the START/STOP button at the time of getting out of the vehicle, the driver seat will be automatically adjusted backward to the position before courtesy.

◆ Front/rear seat ventilation, heating and message



The front seats and both sides of the rear seats of the vehicle has heating, ventilation and massage functions, which can be activated as needed to improve driving comfort.

In the Vehicle Center >> Seat Control interface of the CSD, select the driver seat/front passenger seat/rear seat for enabling/disabling/gear adjustment of the ventilation, heating, and massage functions of the driver seat, front passenger seat, and rear seats respectively.

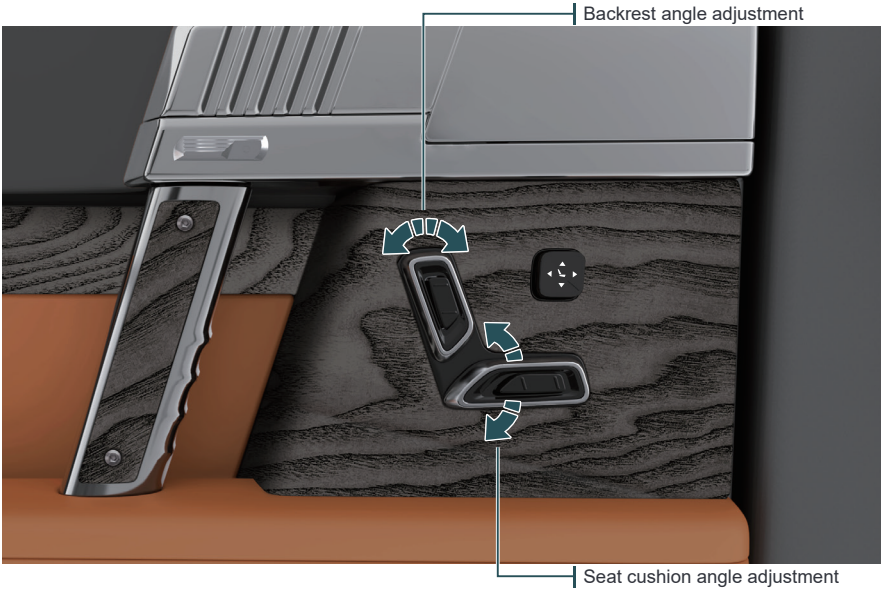
There are 8 modes of seat massage available: cat walk, wave, stretch, waist, shoulder, snake, single row, and butterfly.

NOTE

- In the -1 screen interface of the CSD, the heating and ventilation functions of the driver seat and front passenger seat can be turned on/off.
- In the rear armrest screen seat interface, the position, heating, ventilation, and massage functions of the rear seats can also be adjusted.
- Seat ventilation and heating cannot be turned on at the same time.
- After the temperature of the seat or the cabin reaches the expected value, it is recommended to turn off the seat heating to reduce the energy consumption of the vehicle.
- Do not use the seat heating for a long time to avoid scalding the occupants. Do not use the heating function when the seat is wet.
- If the seat cannot be adjusted or is partially overheated, please stop the operation immediately and contact the Mengshi Experience Center.

Rear seats

◆ Seat 4-way electric adjustment



The rear seat adjustment buttons are located on the door protective plates on the left and right sides of the rear seats.

The seat backrest angle adjustment and seat cushion angle adjustment can be made by the seat adjustment buttons.

◆ Seat lumbar support 4-way adjustment



The lumbar support can be adjusted up, down, forward and backward by the adjustment button.

◆ Rear seat folding

Electric folding



Press the "L"/"R" buttons on the left side of the trunk to fold/restore the rear seat backrest.

Folding:

The front seat backrest tilts forward, the seat moves forward, the rear seat cushion lowers, and the backrest is electrically folded.

Restoring:

The rear seat backrest is electrically restored, and the seat cushion is raised to its original position.

NOTE

- When restoring the rear seat backrest, do not press down on the rear seat belts.

NOTICE

- When the rear seat backrest is folded, do not place heavy objects on it.
- If the vehicle is equipped with a small tray table, please use the one-button laying down and restoring function when the small tray table is folded.
- When the vehicle START/STOP button is turned off, the one-button folding and laying down function cannot recognize the occupants and the front seats are unable to avoid.

WARNING

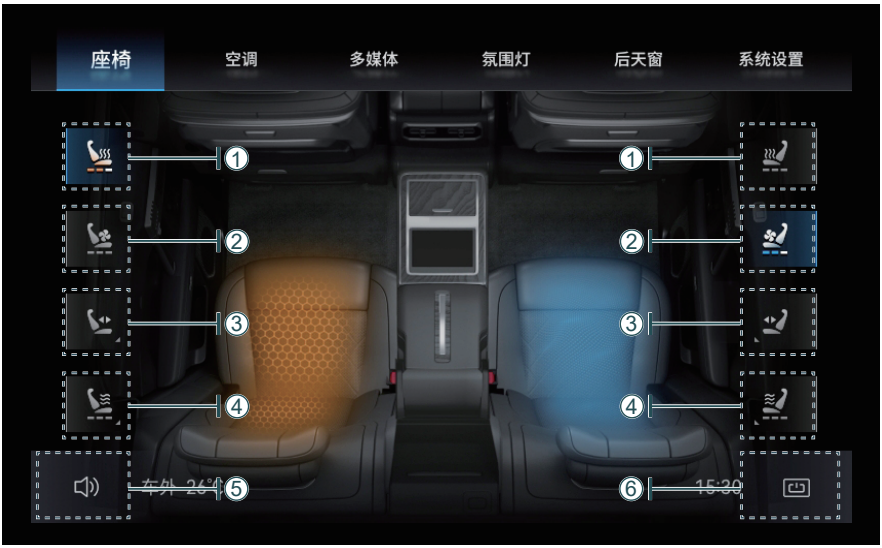
- Do not adjust or fold the seat while driving.
- Do not allow anyone to sit on the folded seat backrest or in the trunk.
- Do not allow children to enter the trunk.

◆ Rear seat armrest screen



The rear seat armrest screen is located on the rear seat center armrest, and can be used by flipping the rear seat center armrest to the lowest position.

Armrest screen interface



① Rear seat heating

Touch to switch the heating gear between 3-2-1- off.

② Rear seat ventilation

Touch to switch the air volume gear between 3-2-1- off.

③ Rear seat adjustment

Touch to enter the rear seat adjustment interface to adjust the seat backrest angle, cushion angle, and lumbar support.

④ Rear seat massage

Touch to enter the rear seat adjustment interface to switch between massage gears 3-2-1- off, and select the massage mode.

⑤ Volume adjustment

Touch and drag up and down to adjust the multimedia volume.

⑥ Rear armrest screen off

After the armrest screen is turned off, it can be awakened by touching the screen twice in a row.

Power window

The front door is equipped with thermal insulation and noise reducing glass, and the rear door is equipped with thermal insulation and privacy glass, providing you with comfortable driving space and privacy protection.

Driver side window button

After the START/STOP button is turned on, the control buttons on the driver side door can control the raising and lowering of the four windows.



① Left front power window control button	② Right front power window control button
③ Left rear power window control button	④ Right rear power window control button
⑤ Child safety lock button	⑥ Rear window disable button

Press the left front driver window control button ①, the window will be lowered; lift the button, the window will be raised. Press/lift the button firmly to trigger the window one-button raising and lowering mode, and the window will automatically lower/raise to fully open/close. During the operation of the window, operating the button again can stop the operation of the window at any time.

Press the button ⑤, the button indicator will light up, and the child safety lock will be turned on. The rear doors will not be able to open from inside the car.

Press the button ⑥, the button indicator will light up, and the rear passenger will not be able to operate the corresponding window to raise/lower.

NOTE

- For the usage of other window buttons, please refer to the driver side window button.

Window anti-pinch

The window glass of the four doors of the vehicle has an anti-pinch function. When the window glass is in the one-button window rising status, if an obstacle is detected to hinder the operation of the window (caught in the human body or blocked by foreign objects), the window will move downward for a certain distance and then stop.

NOTE

- The anti-pinch or failure of any window does not affect the normal operation of other windows.
- For the same window, if the button is operated to raise and lower the window at the same time, the window glass will execute the lowering command.
- For the same window, if there are two commands of manual operation and system automatic control at the same time, based on safety, the window glass will execute the manual command.

WARNING

- When closing the windows, please ensure that the heads, hands and other body parts of all occupants are kept away from the windows to avoid accidental injury.
- Never test the anti-pinch function with any part of the body.
- Thin or small items may not trigger the window anti-pinch function.

Window initialization

If the battery is powered off and restarted or when the window anti-pinch function is continuously triggered, the one-button lifting/lowering and anti-pinch functions of the windows will be disabled, and the windows can be initialized through the following steps:

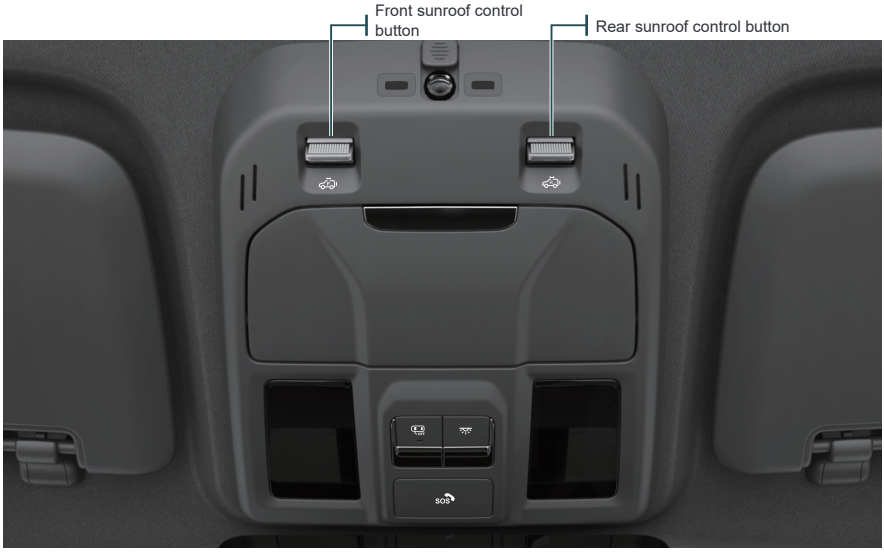
1. After the vehicle enters the READY state, press the window button until the window descends to the bottom and hold for more than 10 seconds;
2. Lift the window button again until the window rises to the top and then hold for 10 seconds, and the window initialization is complete.

If the one-button lifting/lowering and anti-pinch functions still does not recover after the initialization is completed, please try to repeat the above steps or contact the Mengshi Experience Center.

Electric sunroof/sunshade >>

Electric sunroof/sunshade

After the START/STOP button is turned on, the sunroof control button can be used to control the opening/closing of the front/rear sunroof.



Button	Operating instructions	
	Press and hold	Press and release
Front sunroof control button	Toggle and hold the sunroof switch backward, and the sunroof will tilt up; Toggle and hold the sunroof switch backward again, the sunroof will be open, and the sunshade will open in conjunction with the sunroof; Toggle and hold the sunroof switch forward, and the sunroof will be closed; During the operation of the sunroof, release the switch and the sunroof will stop moving.	Toggle and release the sunroof switch backward, and the sunroof will tilt up; Toggle and release the sunroof switch backward again, the sunroof will be open, and the sunshade will open in conjunction with the sunroof; Toggle and release the sunroof switch forward, and the sunroof will be closed; During the operation of the sunroof, toggle and release the sunroof switch and the sunroof will stop moving.
Rear sunroof control button	Toggle and hold the sunroof switch backward, the sunroof will open, and the sunshade will open in conjunction with the sunroof; Toggle and hold the sunroof switch forward, and the sunroof will be closed; During the operation of the sunroof, release the switch and the sunroof will stop moving.	Toggle and release the sunroof switch backward, the sunroof will open, and the sunshade will open in conjunction with the sunroof; Toggle and release the sunroof switch forward, and the sunroof will be closed; During the operation of the sunroof, toggle and release the sunroof switch and the sunroof will stop moving.

NOTE

- Continuous or frequent opening and closing of the sunroof may trigger the sunroof motor overheat protection function, and the sunroof will stop moving immediately.
- The front/rear sunroof can be opened/closed through the Mengshi APP (remote car control/Bluetooth key) and on-board intelligent voice control.
- In the Vehicle Center >> Commonly Used Shortcuts >> Sunroof Adjustment interface of the CSD, the front sunroof can be set to open/close/tilt, and the rear sunroof can be set to open/close.
- In the Armrest Screen >> Rear Sunroof interface, the rear sunroof can be set to open/close.

◆ Window anti-pinch

When operating the sunroof to automatically close, if a foreign object is caught, the sunroof will tilt or slide backward for a certain distance.

WARNING

- When operating the sunroof/sunshade, please ensure that the heads, hands and other parts of all occupants are kept away from the sunroof/sunshade to avoid accidental injury.
- When the sunroof is open, it is strictly forbidden to extend your head, hands and other body parts out of the window to avoid accidental injury.
- Thin or small items may not trigger the sunroof anti-pinch function.
- Never test the anti-pinch function with any part of the body.

Rearview mirror >>

Exterior rearview mirror



◆ Electric adjustment of exterior rearview mirror

Press the button ①, and press the front, rear, left or right direction on the front circular button to adjust the left exterior rearview mirror to a suitable angle.

Press the button ②, and press the front, rear, left or right direction on the front circular button to adjust the right exterior rearview mirror to a suitable angle.

◆ Electric folding/unfolding of exterior rearview mirror

Press the button ③ for electrical folding of exterior rearview mirror.

Press the button ④ for electrical unfolding of exterior rearview mirror.

WARNING

- It is strictly forbidden to adjust/fold the exterior rearview mirrors while driving.

◆ Automatic unfolding/folding of exterior rearview mirror

In the Vehicle Center >> Vehicle Settings >> Body Settings interface of the CSD, you can choose to turn on/off the function of automatic folding of rearview mirror at vehicle locking.

When the vehicle is unlocked, the exterior rearview mirror will be unfolded automatically When the vehicle is locked, the exterior rearview mirror will be folded automatically.

◆ Auto flip-down of exterior rearview mirror when reversing

When reversing, the exterior rearview mirror automatically tilts down, making it easier for the driver to observe the ground conditions.

In the Vehicle Center >> Vehicle Settings >> Body Settings interface of the CSD, you can choose to turn on/off the function of automatic ground illumination of rearview mirror when reversing. After the function is activated, when the R gear is engaged, the exterior rearview mirror will automatically tilt down to the set angle.

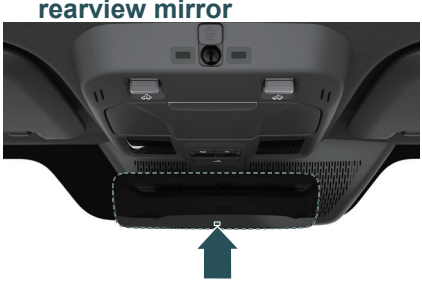
Auto tilt down angle setting of exterior rearview mirror:

Shift into R gear and adjust the surfaces of the exterior rearview mirrors on both sides to a suitable position for reversing; after the adjustment is completed, when the R gear is disengaged, this position is stored as the tilt down position of the exterior rearview mirror for reversing.

Interior rearview mirror

The driver can observe the situation behind the vehicle at any time through the interior rearview mirror to improve driving safety.

◆ Automatic anti-glare interior rearview mirror



The vehicle is equipped with automatic anti-glare interior rearview mirrors. When driving at night, if there is strong light behind, the interior rearview mirror will automatically adjust the mirror reflectivity to reduce the reflection of the strong light.

NOTE

- When the interior temperature is low, the automatic adjustment of the interior rearview mirror may take a little longer.
- When reversing, the automatic anti-glare interior rearview mirror switches to normal mode.

◆ Streaming interior rearview mirror

By using the camera of the shark fin antenna at the rear of the vehicle, the situation behind the vehicle is captured and the image is presented on the rearview mirror display to fully present the real-time road conditions behind, and provide the driver with a clear image of the rear even in poor lighting or obstructed vision, greatly improving driving safety.

Mode switching



With the START/STOP button on, the interior rearview mirror defaults to streaming video mode.

Press and hold the mode switching button for 3 seconds and release it to switch the working mode of the streaming rearview mirror to video mode/reflective mode.

View adjustment



Press and release the mode switching button, select the up and down adjustment menu for the display area (camera shooting range), and press the "<" and ">" buttons to select the desired level.

The 5-level display area is adjustable, and the default display area is level 3.

Brightness adjustment

Automatic adjustment	Manual adjustment
The system can automatically adjust the brightness of the display based on the ambient lighting brightness.	Press and release the mode switching button, select the brightness adjustment menu, and press the "<" and ">" buttons to select the desired level. 5-level manual brightness adjustment is supported, and the default brightness is level 3.

Zoom adjustment

Press and release the mode switching button, select the zoom menu, and press the "<" and ">" buttons to select the desired level.

3-level display is adjusted proportionally: 1:1, 1:1.1, 1:1.2, with a default scale of 1:1.

NOTE

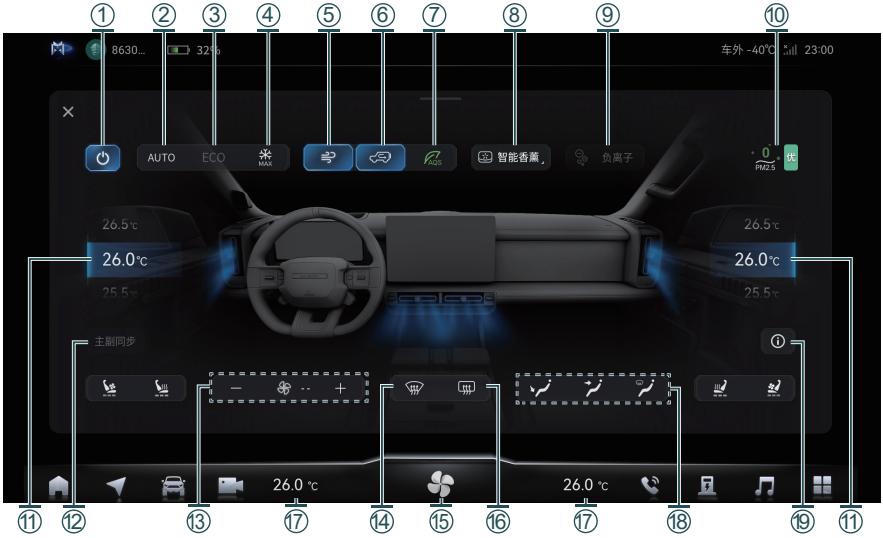
- When the indoor temperature is too high (exceeding 85 ℃), the streaming media interior rearview mirror will display an alarm message and be automatically switched to normal reflective mode.

WARNING

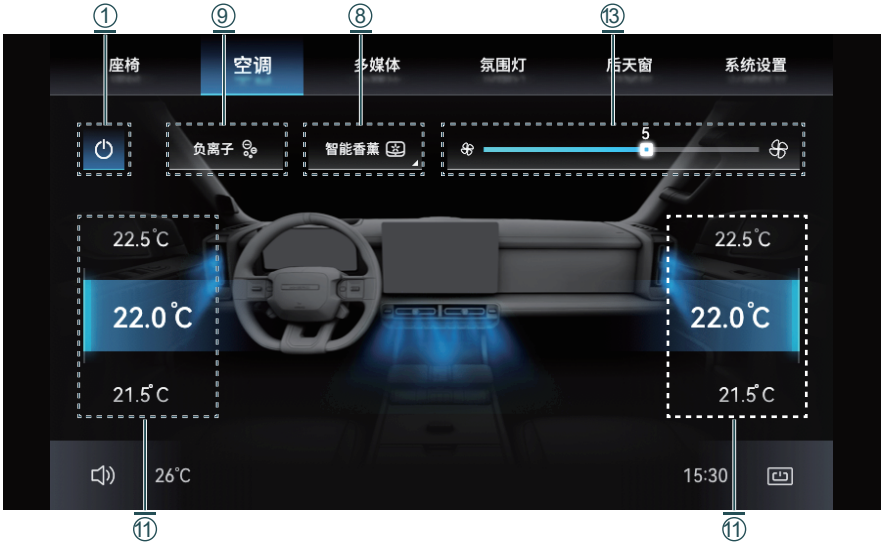
- The streaming rearview mirror is only an auxiliary tool and cannot replace the driver's judgment of the outside. Do not use only the interior rearview mirror when driving or parking. Under any circumstances, the driver shall be responsible for the safety of the vehicle and observe the surrounding environment at all times.

Dual zone automatic A/C

A/C interface of CSD



A/C interface of armrest screen



1. A/C switch button
2. A/C auto mode button
3. A/C economic mode button (ECO)
4. One-button rapid cooling button
5. Cooling/heating/natural air button
6. Internal/external circulation mode switching button
7. Outside air quality detection button
8. Intelligent fragrance button
9. Negative ion button
10. In-vehicle PM2.5 monitoring
11. Driver/front passenger temperature adjustment button
12. Driver/front passenger temperature synchronization button
13. Air volume adjustment button
14. Front windshield defogging/defrosting button
15. Air volume adjustment quick control button
16. Rear windshield defogging/defrosting button (including exterior rearview mirror heating)
17. Driver/front passenger temperature adjustment quick control button
18. Air outlet mode button
19. Intelligent purification function description button

NOTE

- Be sure to replace the A/C filter element regularly in accordance with the *Quality Warranty and Maintenance Manual*. If the A/C is used in an environment with poor air quality for a long time, it is recommended to shorten the replacement interval.
- When the A/C is turned on, there will be dripping water on the bottom of the vehicle, which is normal.
- After the indoor temperature drops to the appropriate level, please turn off the maximum cooling mode to reduce power consumption and save energy.
- In A/C auto mode, the system will use internal circulation mode in summer to enhance the cooling effect.
- When the humidity is high in the spring and autumn, in order to ensure the dryness of the air inside the car, the A/C compressor works when the A/C operates automatically.
- For EVs, when A/C is not turned on, the A/C compressor may also work for heat pump heating.

NOTICE

- When the front windshield is fogged or frosted, the defogging function of the front windshield shall be activated immediately for good driving visibility.

WARNING

- When the temperature is low in winter or the ambient humidity is high in spring and autumn, it is recommended to choose the external circulation mode first. Using the internal circulation mode will easily cause fogging of the windows and front windshield, which will affect the driving vision.

Engine hood

Opening of engine hood



The engine hood opening handle is located on the lower left of the driver side instrument panel.

Pull the engine hood opening handle twice in a row and lift the engine hood to open it.

After the engine hood is opened, the prompt message will appear in the instrument cluster.

NOTE

- Properly lubricate the engine hood latch to facilitate opening/closing of the engine hood.

WARNING

- The engine compartment is a high-risk area, in which improper operation can easily lead to serious casualties.
- If there is steam or liquid overflowing in the engine compartment, do not open the engine hood to prevent burns, and contact the Mengshi Experience Center.
- Before driving, make sure that the engine hood is completely closed, otherwise, it may suddenly open and cause an accident during driving.
- Make sure that the closing path of the engine hood is not blocked, otherwise there is a risk of injury.

Closing of engine hood



1. Press down the engine hood until the locking latch touches the locking mechanism;

2. Place both hands at the front of the engine hood and press firmly to fully close it.

Filler cap *

Opening of filler cap





The filler cap is located on the left rear of the vehicle.

Turn off the vehicle START/STOP button, press and hold the filler cap unlock button on the left side of the instrument cluster, and then press the rear of the filler cap to open it. Rotate counterclockwise to open the filler cap and place it on the inside of the filler cap to add fuel.

NOTE

- To ensure safety, the filler cap can only be opened when the vehicle is stationary and in P position.
- Please use 92# or above unleaded gasoline.

NOTICE

- Before opening the fuel tank filler cap, please touch the unpainted metal surface to release the static electricity carried by the body, so as to prevent sparks generated by static electricity from igniting fuel vapor.
- When opening the fuel tank filler cap, if you hear the sound of gas escaping, please wait until the sound disappears before opening the fuel tank filler cap to avoid injury.
- When refueling the vehicle, please be careful to avoid inhaling fuel vapors.

Closing of filler cap

1. Align the fuel tank filler cap and insert it into the fuel filler. Tighten the fuel tank filler cap clockwise (until a "click" sound is heard, indicating that the fuel tank filler cap is tightened);
2. Manually press the filler cap inward to close it.

Door

Door lock

◆ Central door lock button



Press the door unlock button to unlock the door.

Press the door lock button to lock the door.

⚠ NOTICE

- When the vehicle speed exceeds 20 km/h with any door not fully closed, the vehicle will issue a prompt message and a warning sound. In this case, please close the door as soon as possible.
- When the vehicle is running, it is strictly forbidden to open the door.

◆ Electronic control internal door opening



When the vehicle is stationary, press the electronic control internal door opening button to open the door at the corresponding side.

◆ Emergency door opening



When the door cannot be opened using the electronic control internal door opening button, the emergency opening switch located above the door storage box can be pulled to open the door.

NOTE

- After pressing the electronic control internal door opening button, it is necessary to push the door at corresponding side simultaneously to open the door.
- When the vehicle is in motion, the electronic control door opening button is disabled to prevent serious accidents caused by misoperation of occupants.
- The emergency door opening switch can only be used to open the door at corresponding side.

Child safety lock



On the driver side, you can press the child safety lock button to activate the child safety lock function to prevent children from opening the car door from inside the car.

NOTE

- Please enable the child safety lock when there are children in the car.
- When the child safety lock is enabled, the rear electronic control internal door opening button is disabled, and you can only open the rear door from the outside or unlock the child safety lock.

Back door

Opening tailgate



When the vehicle is locked, approach the vehicle identification area with the smart key and Bluetooth key and press the tailgate handle inside switch and pull outward to open the tailgate.

When the vehicle is unlocked, the tailgate can be opened by pressing the tailgate handle inside switch and pulling it outward without carrying the key.

Approach the vehicle identification area carrying the smart key, and press the smart key tailgate unlock button twice in a row to unlock the tailgate.

NOTE

- The tailgate can also be unlocked/locked through the Mengshi APP (remote vehicle control).
- Do not pry the lock cylinder while the tailgate is open to prevent it from being unable to close.

Keeping tailgate open



① Unlock the tailgate opening limiter

② Lock the tailgate opening limiter

The tailgate opening limiter can only be operated when the tailgate is fully open.

When closing the tailgate, be sure to first rotate the tailgate opening limiter to the unlocked state.

NOTE

- When the tailgate opening limiter is not locked, the tailgate may be closed.

WARNING

- It is strictly prohibited to install or paste any accessories on the tailgate opening limiter.
- It is strictly prohibited to lean on or climb luggage or place it on the opening limiter.
- It is strictly prohibited to apply external force to the opening limiter in the vertical direction.

Closing of tailgate



1. Check that the tailgate opening limiter is in the unlocked state;

2. Pull the tailgate inside handle and release it before the tailgate is completely closed, then push and press the tailgate from outside of vehicle until it slightly opens, and the tailgate will be electrically closed.

NOTE

- When closing POT, simply gently drop the tailgate into the lock, and the tailgate will automatically pull in and fully close.

WARNING

- Children are strictly prohibited from operating the tailgate, otherwise accidental injury may occur.
- When opening/closing the tailgate, please confirm the surrounding environment to avoid accidents.

Emergency opening of tailgate



When the tailgate cannot be electrically opened, emergency opening of tailgate is allowed from the inside of the vehicle:

1. Open the emergency switch trim cover on the inner side of the tailgate;

2. Pull the cable to unlock the tailgate and push it outward.

NOTE

- When emergency opening of the tailgate is not possible, please contact the Mengshi Experience Center.

WARNING

- It is strictly prohibited to drive the vehicle with the tailgate open.
- During emergency opening of the tailgate, please confirm the surrounding environment to avoid accidents.

Driving guide

Starting/stopping of vehicle



The vehicle is equipped with a START/STOP button. The START/STOP button can only be operated when the vehicle detects the smart key or Bluetooth key.

◆ Vehicle start



When you need to start the vehicle:

1. Carry the smart key or Bluetooth key, and unlock and enter the car;

2. Depress the brake pedal, then press the START/STOP button, and the vehicle starts successfully after the indicator of READY on the instrument cluster to light up in green.

When the vehicle gear is in the P or N position and the brake pedal is not depressed, you can press the START/STOP button to switch between START and STOP:

START: The switch indicator is on, the instrument cluster is on, all electrical equipment circuits are connected, and the vehicle is not started.

STOP: The button indicator is off, the START/STOP button is turned off, and the power supply is disconnected.



Press and hold the smart key START/STOP button, the vehicle can be started and the exterior rearview mirrors will automatically unfold.

After successfully starting the vehicle remotely, if no effective actions are taken within 10 minutes, the vehicle will automatically shut down.

After the vehicle is started, press and hold the smart key START/STOP button, and the vehicle will automatically shut down.

NOTE

- Before using the smart key to remotely start the vehicle, the vehicle shall be shut down.
- After successfully starting the vehicle remotely, please confirm that the indicators of the instrument cluster are working properly.

◆ Vehicle shutdown

When the vehicle comes to a standstill, shift the gear to P and the EPB will be automatically activated.

Press the START/STOP button to stop the vehicle.

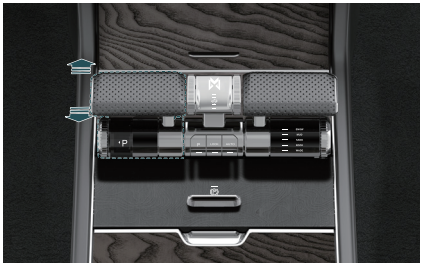
NOTICE

- Try to park on a flat road.
- After shifting to P gear, make sure the EPB is activated.
- When leaving the vehicle, do not leave valuables and keys in the vehicle.
- Make sure the sunroof, windows, engine hood and tailgate are closed before locking the vehicle.

WARNING

- It is strictly forbidden to park the vehicle near inflammable and explosive materials.
- Never leave children, animals or persons with reduced mobility in the vehicle, who may start the vehicle or lock the doors and endanger others or themselves.

Gear shift



The vehicle has four gears: P, R, N, and D. After the vehicle is in the READY state, depress the brake pedal and push the shift lever back and forth to switch gears. The lower gear character block of the shift lever will turn to the transparent window area, and the corresponding gear will be displayed on the instrument cluster.

Press the P gear button to switch the gear to P, and the P gear button indicator will also light up synchronously.

◆ P gear: parking gear

Switch into this gear when the vehicle needs to be parked.

◆ R gear: reverse gear

Switch into this gear when the vehicle needs to be reversed.

◆ N gear: neutral gear

Switch into this gear when the vehicle needs to be stopped temporarily.

◆ D gear: forward gear

Switch into this gear when the vehicle needs to move forward.

⚠ NOTICE

- The vehicle must be stationary before shifting into P or R gear.
- Before the START/STOP button is turned off, make sure the gear is in the P position.
- When the switching conditions are not met, the instrument cluster will display corresponding prompt information. Please operate according to the prompt information.
- When the indicator of READY on the instrument cluster lights up, switching between all gears is allowed; when the indicator does not light up, it is only allowed to switch between the P and N gears.
- When the vehicle is running, do not coast in neutral, otherwise, the vehicle may be damaged or a hazard may occur.

Drive mode

The vehicle has two main driving modes: highway mode and all-terrain mode. Highway mode includes normal mode, sport mode, comfort mode, and INDIV mode. All-terrain modes include: snow mode, mud mode, sand mode, rock mode, wade mode, and AUTO mode. You can choose different driving modes according to your personal driving needs.

When the suspension height is locked, the driver will not be able to adjust the body height by switching driving modes.

◆ Highway mode

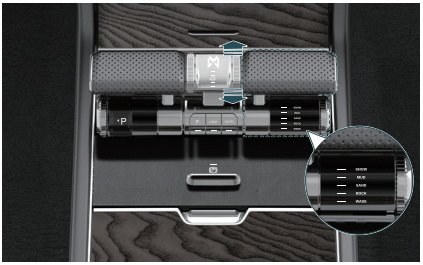


Press the highway mode button on the steering wheel to switch to highway mode: Standard mode → Sports mode → Comfort mode → INDIV.

NOTE

- The personalized settings interface will only be displayed when the driving mode is switched to INDIV.
- In the Vehicle Center >> Vehicle Settings >> Driving Settings interface of the CSD, set the speed-dependent adjustment function on/off. After the function is activated, when the vehicle is in highway mode, the suspension height automatically adjusted with the vehicle speed.
- The speed limit in comfort mode is 150 km/h.

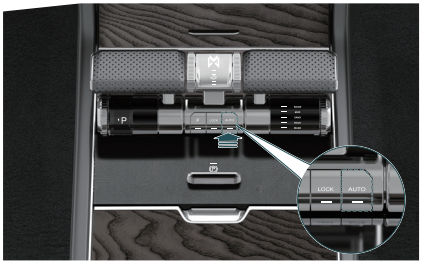
◆ All-terrain mode



Toggle the all-terrain mode lever forward and backward to switch to all-terrain mode: Snow mode (SNOW) → Mud mode (MUD) → Sand mode (SAND) → Rock mode (ROCK) → Wade mode (WADE) → Snow mode (SNOW).

NOTE

- When the vehicle enters the sand mode, the air bag selection interface will pop up on the CSD.
- When the vehicle enters the wade mode, the wade monitoring display interface will pop up on the CSD.
- When switching to all-terrain mode, the range extender will automatically start.



Press the AUTO button for all-terrain automatic mode to enter AUTO mode; Press the button again to exit AUTO mode and enter comfort mode.

In the Vehicle Center >> Vehicle Settings >> Driving Settings interface of the CSD, set to turn on/off the driving mode switching sound effect. After the function is turned on, when switching driving modes, the vehicle will be accompanied by dynamic sound effects.

NOTE

- In AUTO mode, the system will automatically recognize the road surface and switch to the corresponding road mode, and the CSD will not display the current switching interface.

◆ Driving mode memory

In the Vehicle Center >> Vehicle Settings >> Driving Settings interface of the CSD, set the driving mode memory function on/off. After the function is turned on, the system defaults to the last used driving mode.

◆ Launch mode *

After the ejection mode is turned on, the vehicle will leap out with strong explosive force, causing the vehicle to accelerate at maximum acceleration, enhancing the sense of acceleration. Launch mode is a unique feature of EVs.

When the vehicle speed is greater than 100 km/h, the launch mode will automatically exit.

Turning on/off launch mode

In the Vehicle Center >> Vehicle Settings >> Launch Mode interface of the CSD, touch the one-button launch button, depress the brake pedal with your left foot and the accelerator pedal with your right foot, and release the brake pedal within 3 seconds to activate the launch mode of the vehicle.

Launch video recording

In the Vehicle Center >> Vehicle Settings >> Launch Mode interface of the CSD, set to turn on/off the launch video recording. After the function is turned on, both videos in and out of the car will be recorded during launch control of the vehicle.

Launch mode frequency limit

The vehicle launch mode can be used 200 times, afterwards, the launch mode is no longer available. In the Vehicle Center >> Vehicle Settings >> Launch Mode interface of the CSD, you can view the number of times the launch mode has been used today and the total number of times it has been used.

NOTE

- When recording the launch video, ensure that a U-disk is connected to the USB interface below the console, otherwise the function cannot be turned on.

NOTICE

- When using the launch mode, please be sure to comply with traffic regulations. It is recommended to choose a professional enclosed area and use it while ensuring driving safety and providing sufficient straight-line distance for acceleration and braking.

Active stability control (ASC)

◆ Manual adjustment of suspension height



When the ASC system is in unlocked mode, you can operate the suspension adjustment handle to adjust the suspension up/down, and the vehicle height can be adjusted to five positions: "Economic height (Aero)", "Standard height (NRH)", "Off-road height (R1, R2)", and "Escape height (R3)".

In different driving modes, when the driver manually adjusts the suspension height, if the current vehicle speed does not meet the suspension adjustment conditions, the ASC system will ignore the driver's request. When the ASC system is automatically adjusting the suspension height, the driver will not be able to manually adjust it.

When manually adjusting the suspension height, the following conditions must be met simultaneously:

- All doors are locked.
- The suspension function is activated on the CSD.
- The remaining power of the high voltage battery is greater than 10%.
- The vehicle is not in a lifted (jacked) state.
- The suspension lock button has not been pressed.
- The vehicle speed is less than 45 km/h.

Turning on/off air suspension

In the Vehicle Center >> Vehicle Settings >> Driving Settings interface of the CSD, set the air suspension function on/off. After the function is turned off, the air suspension adjustment function will be disabled (enter maintenance mode). If the air suspension of your vehicle fails, please contact the Mengshi Experience Center.

WARNING

- During replacement of tire or vehicle maintenance, please turn off the air suspension function to avoid accidental injury.

Air suspension MIL

If the suspension system MIL on the instrument cluster lights up in yellow/red, it indicates that the suspension system is faulty. In this case, please contact the Mengshi Experience Center as soon as possible.

Suspension adjustment handle indicator

There are a total of 5 indicators on the adjustment handle, corresponding to different suspension heights from bottom to top:

When the first indicator is on, it indicates that the suspension is at the courtesy height (-45 mm)/ economic height (-20 mm).

When the second indicator is on, it indicates that the suspension is at the standard height (0 mm).

When the third indicator is on, it indicates that the suspension is at the off-road height 1 (60 mm).

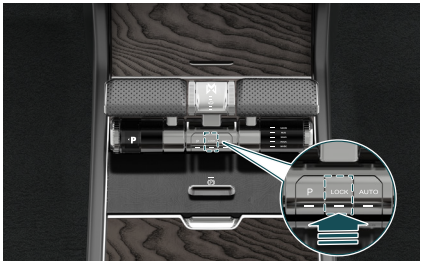
When the fourth indicator is on, it indicates that the suspension is at the off-road height 2 (75 mm).

When the fifth indicator is on, it indicates that the suspension is at the escape height (105 mm).

NOTE

- The suspension height adjustment is based on the standard height (0 mm).
- The default suspension height is the economic height (-20 mm).

Suspension height locking



Press the suspension height locking button to lock the suspension height. In locking mode, the system will prohibit manual or automatic adjustment of suspension height.

The system will exit suspension height locking mode in the following situations:

- The vehicle speed exceeds the maximum safe vehicle speed set at the current height.
- The ASC system is faulty.
- The driver actively presses the locking button again.

Suspension height maintenance

When the vehicle load changes, the system automatically adjusts the body height to maintain the current height. When the difference between the body height and the set suspension height exceeds the set value and lasts for a certain period of time, the system automatically adjusts the body to rise/fall to the set height.

Suspension height speed-dependent adjustment

In the Vehicle Center >> Vehicle Settings >> Driving Settings interface of the CSD, set the suspension height speed-dependent adjustment on/off. After the function is turned on, the system will automatically adjust the suspension height (NRH and Aero heights) based on the change of the current vehicle speed to reduce the wind resistance of the vehicle, and improve its endurance.

Suspension courtesy

For vehicles equipped with air suspension, when the vehicle is stationary and not charged, you can set the suspension courtesy function on/off in the Vehicle Center >> Vehicle Settings >> Driving Settings interface of the CSD. When the suspension courtesy function is activated, the suspension height will automatically decrease to facilitate personnel getting on/off the vehicle.

Easy entry

Automatic easy entry: With this function turned on, after the vehicle is unlocked with smart key and awakened from sleep, the body is lowered to the lowest position for the occupants to get on the vehicle.

Easy exit

Descending height: After the vehicle is parked from dynamic to static, it is stationary and in P gear. After EPB is activated and seat belt is unfastened, the vehicle automatically descends by 20 mm. After powering off, the body of the vehicle descends to the lowest position for the occupants to get off the vehicle.

Recovery height: When the vehicle height is lower than the standard height, the body will automatically recover to the standard height after the vehicle is locked using the smart key/Bluetooth key/Mengshi APP.

During the operation of the suspension courtesy, if any door is opened, the adjustment of the suspension height will stop; After the door is closed, the body height will remain at the current position.

NOTE

- The inflation/deflation of air suspension inflation pump will make some sound.

NOTE

- During the adjustment of body height, it takes time for the air suspension to inflate/deflate, and there may be a delay for the suspension courtesy function.
- When setting the suspension courtesy function, it is necessary to accept the terms of use.
- When the vehicle speed exceeds 5 km/h or the driver actively adjusts the suspension height, the easy access function will exit.

Escape mode

When the vehicle is at the off-road height (R2), the driver can depress the brake pedal and operate the suspension adjustment handle to enter the escape mode so that the body height can rise to the escape height (R3) to increase the vehicle height and improve the passability.

When the vehicle is at the escape height, if the vehicle speed exceeds the set value, the body height will automatically decrease to the off-road height (R2).

NOTE

- When adjusting the body height to the escape height (R3), the vehicle shall be stationary and the brake pedal shall be depressed.
- The escape mode is only used for escape of vehicle. After successful escape, please manually release the escape height (R3) in a timely manner.

Magic carpet function

The smart front-view camera is used to detect the road conditions (protruding speed bumps, sunken manhole covers, etc.) in front of the vehicle and the distance from the left and right wheels. The air suspension actively adjusts the damping of the four shock absorbers in advance to achieve a smooth passage, and improve the comfort of the vehicle when passing rough roads.

The magic carpet function is applicable to urban road environments with a speed range of 0 km/h to 80 km/h.

NOTE

- If the surface of the smart front-view camera at the front windshield is dirty, obstructed, bumped or damaged, the detection of road conditions ahead will be affected. Please handle it promptly.
- When manually adjusting the air suspension system, the magic carpet function of the vehicle will exit.
- When the system continuously detects multiple obstacles (such as speed bumps), the magic carpet function only performs suspension adjustment once.
- When the system detects both protruding obstacles (such as speed bumps) and sunken road conditions (such as manhole covers), the magic carpet function prioritizes suspension adjustment for road conditions with protruding obstacles.
- In poor lighting conditions such as at night, heavy rain, and foggy weather, the performance of the magic carpet function will decrease to a certain extent.

Simulated sound wave *

When the vehicle accelerates, the simulated sound wave function can generate acceleration sound wave audio through algorithms based on signals such as vehicle motor speed, accelerator pedal opening, vehicle speed, gear position, etc. The simulated sound wave drum outside the vehicle emits a stunning acceleration sound wave, improving the fun of off-road driving over sandy terrain.

◆ Turning on/off simulated sound wave

In the Vehicle Center >> Vehicle Settings >> Driving Settings interface of the CSD, set to turn on/off the external simulated sound wave function. After the function is activated, the following functions can be set:

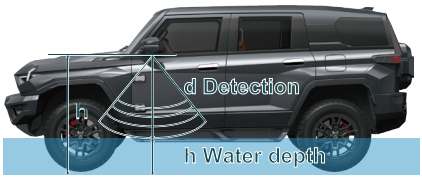
- Set up simulated sound wave mode: lion roar, tiger roar in forest.
- Adjust the volume of sound waves: level 1-10.

After the START/STOP button is turned on, the simulated sound wave function defaults to the last memory state.

NOTICE

- When driving on roads that require silence (such as schools, hospitals, etc.), please turn off the external simulated sound wave function.

Wading induction



The wading induction system detects the height between the bottom of the left and right exterior rearview mirrors and the water surface through ultrasonic radar installed at the bottom of the mirrors. It calculates the current wading depth based on the real-time height of the vehicle, displays the current wading depth information on the CSD, and emits a warning sound to remind users when the vehicle has a large wading depth.

◆ Turning on/off wading induction

The wading induction function can be turned on/off in the full application interface of the CSD.

In the -1 screen interface of the CSD, you can touch the wading induction button to turn on/off the wading induction function.

When the driving mode is switched to wade mode, the wading induction function is automatically activated, and the CSD enters the wading detection interface.

When the vehicle speed exceeds 30 km/h and lasts for more than 20 seconds, the wading induction function is turned off.

◆ Wading induction pause

When the wading induction function is working, the following operations will cause the function to pause:

- The door opens.
- The exterior rearview mirror is folded.
- The vehicle speed is above the set value.
- The vehicle attitude angle (pitch angle/roll angle/yaw angle) is too large.
- The radar is faulty.

⚠ WARNING

- The wading induction function is only used for detection of vehicle wading depth in normal circumstances. When the vehicle enters the water at a large slope (slope greater than 10°), the wading induction system will exit operation, and the driver needs to judge the current surrounding water depth.
- The wading induction function cannot replace the driver's judgment of the external environment. In any situation, the driver shall be responsible for the safety of the vehicle and observe the surrounding conditions at any time.

Differential lock

When one of the drive wheels slips, the differential lock ensures that the other drive wheel can still obtain sufficient torque to enable the vehicle to obtain greater driving force and get out of trouble.

◆ Manual locking/unlocking

Front differential lock



Press the front differential lock button to lock/unlock the front differential lock.

When the front differential lock button indicator is on and the front differential lock indicator on the instrument cluster is displayed in green, it indicates that the front differential lock has been successfully locked.

When the front differential lock button indicator and the instrument cluster indicator are off at the same time, it indicates that the front differential lock has been successfully unlocked.

Rear differential lock



Press the rear differential lock button to lock/unlock the rear differential lock.

When the rear differential lock button indicator is on and the rear differential lock indicator on the instrument cluster is displayed in green, it indicates that the rear differential lock has been successfully locked.

When the rear differential lock button indicator and the instrument cluster indicator are off at the same time, it indicates that the rear differential lock has been successfully unlocked.

WARNING

- It is strictly prohibited to modify the powertrain and drivetrain of the vehicle to avoid damaging the differential lock.
- It is strictly prohibited to use differential locks on paved roads.
- The differential lock is only used to assist the vehicle in getting out of trouble, and shall be immediately released after getting out of trouble.
- After the differential lock is locked, the vehicle shall be carefully controlled and emergency steering is prohibited. Otherwise, the stability of the vehicle will be seriously affected, increasing the risk of accidents.
- It is strictly prohibited to press the differential lock button for locking/unlocking when the steering wheel is turned more than one turn.

Locking condition:

- The differential lock is in the unlocked state.
- The vehicle is in the all-terrain mode.
- The vehicle speed is lower than or equal to 4 km/h.
- The brake pedal is depressed.
- The differential lock button is pressed by the driver.
- The steering wheel angle is less than 360°.

Unlocking condition:

- The differential lock is in a locked state.
- The vehicle speed is greater than or equal to 38 km/h.
- The differential lock button is pressed by the driver.

◆ Differential lock indicator

When the instrument cluster indicator  is on, it indicates that the front differential lock has been successfully locked.

When the instrument cluster indicator  is on, it indicates that the rear differential lock has been successfully locked.

When the instrument cluster indicator  is on, it indicates that the front and rear differential locks have been successfully locked.

When the instrument cluster indicator  is on, it indicates that the front differential lock is faulty.

When the instrument cluster indicator  is on, it indicates that the rear differential lock is faulty.

When the instrument cluster indicator  is on, it indicates that when the front and rear differential locks are locked simultaneously, the front differential lock is faulty, and the rear differential lock is successfully locked.

When the instrument cluster indicator  is on, it indicates that when the front and rear differential locks are locked simultaneously, the front and rear differential locks are faulty.

◆ Overspeed alarm

When the front/rear differential lock of the vehicle is locked while driving, if the differential lock button indicator and the instrument cluster indicator flash at the same time, it indicates that the vehicle speed is too high. In this case, please reduce the vehicle speed.

◆ Automatic unlocking in case of overspeed

When the front/rear differential lock is locked while driving, if the speed exceeds 38 km/h, the rear axle differential lock will be automatically unlocked.

NOTE

- After unlocking the differential lock, repeatedly switch between D and R gears, lightly depress the accelerator pedal, and lightly turn the steering wheel left and right to assist in unlocking the differential lock before driving normally.

4-wheel steering

The vehicle is equipped with a four-wheel steering system, which allows the front and rear wheels of the vehicle to turn simultaneously. This not only reduces the turning radius of the vehicle but also improves its handling.

The four-wheel steering system has two main operating modes: auto mode and CrabWalk mode.

4-wheel steering MIL RWS RWS

When the vehicle is running, if the 4-wheel steering MIL is on, it indicates that the rear wheel steering system is faulty. In this case, immediately stop the vehicle safely and contact the Mengshi Experience Center.

Auto mode

After the START/STOP button is turned on:

- During the steering of low-speed vehicles, the front and rear wheels will deflect in the opposite direction, reducing the turning radius of the vehicle and achieving steering operations in smaller spaces (such as during U-turn, parking, or turning).
- During the steering of high-speed vehicles, the front and rear wheels will deflect in the same direction, improving the stability of the vehicle during turning (such as when changing lanes or making large turns on the highway).

After the START/STOP button is turned off, the 4-wheel steering system will automatically align the rear wheels.

CrabWalk mode

CrabWalk mode allows the driver to simultaneously turn the front and rear wheels in the same direction, allowing the vehicle to move laterally.

Turning on/off CrabWalk mode



Press the CrabWalk mode button to turn the CrabWalk function on/off. When activating the function, the vehicle needs to be stationary and the steering wheel needs to be returned to the center position.

When the crab function is activated, the driver needs to constantly monitor the real-time digital display of the front and rear wheel angles and the status of the CrabWalk mode indicator on the CSD.

CrabWalk mode indicator

When the CrabWalk mode indicator on the instrument cluster lights up in green, it indicates that the CrabWalk mode has been successfully activated. When the indicator flashes green, the CrabWalk mode will exit and the rear wheels will automatically return to the center position.

When the CrabWalk mode indicator on the instrument cluster lights up in yellow, it indicates that the CrabWalk mode is faulty.

NOTE

- CrabWalk mode can operate during low-speed forward or backward movement of the vehicle.

Limitations of function

When the vehicle status is subjected to the following situations, the CrabWalk function will be automatically turned off:

- The steering wheel angle and turning speed exceed the set value.
- The vehicle speed exceeds 35 km/h.
- The accelerator pedal opening exceeds the set value.
- The APA, differential lock locking, and ESP systems are activated.

Crawl control

When driving on roads with snow, water, rocks, sand, or mud, the crawl control can assist the vehicle in off-roading, helping the driver improve their ability to handle complex road conditions.

After the crawl control is activated, the driver can fully release the brake pedal, and the system will assist the vehicle in running and maintain the selected speed, with a maximum speed of 34 km/h.

The crawl control will work in conjunction with the all-terrain control system, matching the appropriate working speed according to different driving modes:

- In snow mode and wade mode, the working speed range of crawl control is 6 km/h to 21 km/h.
- In mud mode and sand mode, the working speed range of crawl control is 6 km/h to 34 km/h.
- In rock mode, the working speed range of crawl control is 4 km/h to 16 km/h.
- In all-terrain modes, if the vehicle speed exceeds the working speed, the crawl control will be deactivated and be in standby state; When the vehicle speed exceeds 64 km/h, the crawl control will completely exit and be disabled.

◆ Crawl control indicator



When the crawl control indicator on the instrument cluster is lit with a gray background and a green box, it indicates that the crawl control is in a ready state.

When the crawl control indicator on the instrument cluster is lit with a green background and a green box, it indicates that the crawl control is working.

When the crawl control indicator on the instrument cluster is lit in yellow, it indicates that the crawl control is faulty.

◆ Turning on/off crawl control



Press the crawl control button to turn on/off the crawl control function.

The usage method of crawl control is as follows:

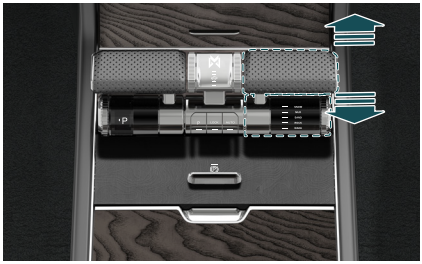
1. Press the crawl control button to activate the crawl control function. At this time, the crawl control is in the ready state;
2. Turn up the cruise control setting knob (RES/+) on the steering wheel to activate the crawl control function;
3. After the crawl control function is activated, the target vehicle speed can be set by using the steering wheel cruise control setting knobs (RES/+) and (SET/-);
4. Press the crawl control button again to turn off the crawl control function.

When the crawl control is working, the following conditions shall be met:

- The vehicle is in READY state.
- The brake pedal is depressed by the driver.
- The door is closed.
- The gear is in D position.
- The driving mode is in all-terrain mode (sand, snow, rock, wade, mud).

All-terrain intelligent four-wheel drive (4WD)

The all-terrain intelligent four-wheel drive system can enhance the active control of driving, braking, and vehicle stability on various off-road surfaces. It intelligently adjusts the different working modes of the ESC, power system, air suspension, etc. on various off-road surfaces, ensuring the vehicle's off-road passability and driving stability, making it easy for the driver to drive the vehicle through complex off-road surfaces and enjoy the pleasure of off-road driving.



Toggle the all-terrain mode lever forward and backward to switch between all-terrain modes, and select the snow mode (SNOW), mud mode (MUD), sand mode (SAND), rock mode (ROCK), and wade mode (WADE) of the all-terrain intelligent four-wheel drive system. The instrument cluster will display confirmation information and mode icons.

NOTICE

- Do not distract your attention by operating the all-terrain intelligent four-wheel drive handle. The driver shall always pay attention to the running status of the vehicle to avoid accidents and personal injury.

Brake system

The vehicle is equipped with service brake, electronic parking brake (EPB) and service brake assistance system.

Service brake

When the vehicle is running, the driver can depress the brake pedal at any time to slow down or stop the vehicle according to the road conditions.

NOTE

- Except for service braking, do not place your foot on the brake pedal for a long time, which will cause the brake to overheat, affect the braking performance of the brake, and shorten the service life of the friction lining. Besides, the constant lighting of the brake lamp will also affect the judgment of the driver of the rear vehicle on the driving condition of the preceding vehicle.
- When driving a vehicle that has been parked for a long time, you may hear a brief noise when you depress the brake pedal, which is normal.
- If the vehicle continues to make a sharp metal friction sound when braking, it indicates that the friction lining needs maintenance and inspection. In this case, please contact the Mengshi Experience Center.

Electronic parking brake (EPB)

The vehicle is equipped with electronic parking brake (EPB) system that allows the driver to control the vehicle.

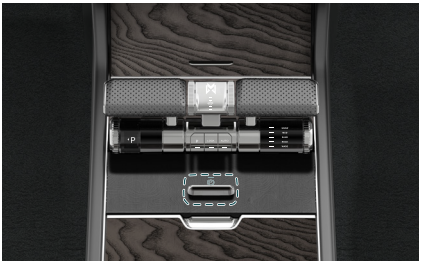
When the EPB is released, there will be a sound due to the operation of the motor, which is a normal phenomenon. The EPB button cannot be operated when the vehicle battery is low.

◆ EPB indicator

When the EPB indicator lights up in red, it indicates that the EPB is enabled.

When the EPB indicator lights up in yellow, it indicates that the EPB is faulty and the parking brake will not work. In this case, please contact the Mengshi Experience Center.

◆ Activation/release of EPB



Enable

After the vehicle is stopped, push the EPB button / press the P gear button, the EPB indicator and button indicator on the instrument cluster will light up, and EPB will be activated.

Release

With the START/STOP button on and the vehicle not in P gear, you can depress the brake pedal and press the EPB button, then the EPB indicator and the button indicator on the instrument cluster will go out, and the EPB will be released.

NOTE

- After the vehicle enters READY state, when the driver closes the doors, fastens the seat belt and switches from the P gear to other gears, the EPB is automatically released. When the door is not closed or the seat belt is not fastened, the EPB needs to be manually released.
- After the vehicle enters READY state, when the driver closes the doors, fastens the seat belt, and depresses the accelerator pedal with the gear in D or R position, the EPB is automatically released. When the door is not closed or the seat belt is not fastened, the EPB needs to be manually released.
- If the EPB indicator flashes due to the vehicle being parked for a long time or the power being cut off when the EPB is working, you can push the EPB button to perform self-learning, and EPB can be used normally after the self-learning is completed.
- When a charging gun is connected to the charging port of the vehicle, the EPB cannot be released.
- When the START/STOP button is turned off, the EPB will be automatically activated.
- After the vehicle is parked and powered off, if the EPB is activated and it is detected that the brake disc temperature is too high or the wheels are rolling, the EPB will automatically clamp again.
- Please do not place objects (such as mobile phone, tissue box, key, etc.) around the EPB button to avoid accidental triggering or jamming of the function caused by objects hitting the EPB button during driving.
- When the vehicle is in P gear, it is not possible to release the EPB through the EPB button.

NOTICE

- Try to park on a flat road.

WARNING

- EPB is strictly prohibited when the vehicle is being towed or driven into an automated car wash.
- When parking and exiting the vehicle, make sure the gear is shifted into P and the EPB is activated.
- When the vehicle is running, the EPB shall not be used except in emergencies. Improper use of the EPB may endanger the driving safety or damage the vehicle.
- It is strictly forbidden for non-drivers to touch the EPB button. Otherwise, driving safety may be endangered.

Auto hold

Auto Hold function allows you to park for a short period of time without depressing the brake pedal.

◆ Auto Hold indicator AUTO HOLD AUTO HOLD AUTO HOLD

When the Auto Hold indicator lights up in white on the instrument cluster, it indicates that the Auto Hold function is ready.

When the Auto Hold indicator lights up in green on the instrument cluster, it indicates that the Auto Hold function is activated.

When the Auto Hold indicator lights up in yellow on the instrument cluster, it indicates that the Auto Hold function is faulty and will not work. In this case, please contact the Mengshi Experience Center.

◆ Turning on/off Auto Hold

In the Vehicle Center >> Vehicle Settings >> Driving Settings interface of the CSD, set the Auto Hold function on/off.

In the -1 screen interface of the CSD, you can touch the Auto Hold to turn on/off the Auto Hold function.

After the Auto Hold function is activated, when the vehicle stops for a short time during driving, the Auto Hold will keep the vehicle at parking state after the vehicle stops completely, and the Auto Hold indicator on instrument cluster will turn green. The vehicle resumes normal driving after you depress the accelerator pedal.

NOTICE

- When parking for a long time, use the EPB after shifting the gear to the P position.
- The Auto Hold function will not be activated when reversing.

WARNING

- Auto Hold cannot completely replace the driver's parking, and you still need to pay attention to the parking status of the vehicle at all times.
- It is strictly forbidden for non-drivers to touch the Auto Hold button. Otherwise, serious consequences may be caused.
- Auto Hold is strictly prohibited when the vehicle is being towed.

Service electronic braking system

The vehicle is equipped with various service electronic braking systems as shown in the table below, which are used to assist the driver in braking and improve driving safety.

Name	Function introduction	Enabling mode
Antilock brake system (ABS)	During emergency braking or braking on slippery roads, ABS can prevent the wheels from locking, avoiding sideslip, deviation or loss of steering ability.	System enabled by default
Electronic brake force distribution (EBD)	The EBD can dynamically adjust the braking force of the front and rear wheels when the vehicle is braking to improve the braking effect of the vehicle.	System enabled by default
Electronic brake assist (EBA)	EBA determines whether to increase braking force to avoid or mitigate collisions based on the urgency of the collision between the vehicle and the target ahead, as well as the speed and force at which the driver depresses the brake pedal.	System enabled by default
Curve brake control (CBC)	CBC works together with ABS to prevent the wheels from locking during emergency braking when entering, exiting or driving in curves, with the braking force of each wheel controlled separately to achieve optimal distribution of braking force, reduce the risk of oversteer and understeer, and ensure the stability of the vehicle when braking in curves.	System enabled by default
Traction control system (TCS)	When the vehicle accelerates rapidly or starts on a low-adhesion road, the driving wheels may idling in place, affecting the stable driving of the vehicle. TCS can effectively prevent such phenomena by controlling the driving force of the wheels to ensure driving safety.	TCS is part of the ESC, and will be turned on/off with the ESC function.
Electronic stability control (ESC)	ESC can improve the driving stability of the vehicle and reduce the sideslip of the vehicle. After the vehicle enters READY mode again, ESC will be automatically activated. To ensure driving safety, please do not turn off ESC at will.	Press and hold the ESC button to turn the ESC function on/off.
Roll stability control (RSC)	It intervenes in the wheel braking force and powertrain drive torque at appropriate times by sensing the driver's steering operation and combining it with the vehicle's driving state, thereby reducing the risk of rolling during lane changing and steering operations.	System enabled by default
Vehicle motion control (VMC)	It implements integrated control through the execution mechanisms of various chassis electronic control systems of the vehicle, improves driving agility or stability based on different driving scenarios or matching characteristics of VMC, and provides better driving performance for dynamic driving.	System enabled by default
Hill hold control (HHC)	HHC can prevent the vehicle from slipping backward when starting uphill or forward when reversing downhill.	System enabled by default

Name	Function introduction	Enabling mode
Hill decent control (HDC)	HDC can be used to actively brake and decelerate when the vehicle is passing through a steep downhill section, so that the vehicle can move safely and smoothly. Operating range of HDC function: The vehicle speed is between 3 km/h and 38 km/h.	Press the HDC button to turn on/off the HDC function.
Comfort stop (CST)	When the vehicle decelerates and stops in non emergency situations, CST can adjust the braking pressure of the system according to the speed, assisting the vehicle in comfortable parking and improving the smoothness of controlling the vehicle to park.	In the Vehicle Center >> Vehicle Settings >> Driving Settings interface of the CSD, set the CST function on/off.

WARNING

- It is strictly forbidden to manually test the ABS system on the road to avoid traffic accidents.
- During emergency braking on snow-covered and slippery roads, the braking distance of the vehicle will be longer than that on dry roads, so be sure to reduce the vehicle speed and drive carefully.
- Do not replace tires that are inconsistent with the original vehicle specifications and models, which will affect the operation of braking system and increase the risk of accidents.
- EBA can improve driving safety, but cannot surpass kinematic laws. Please adjust the vehicle speed in a timely manner according to road conditions and traffic regulations.
- CBC can improve the safety of vehicles entering, exiting, or driving in curves, but cannot surpass kinematic laws. Please adjust the vehicle speed in a timely manner according to road conditions and traffic regulations.
- When driving in curves, the system may mistakenly detect vehicles in other lanes, causing unnecessary braking.
- When driving on sharp turns, if the vehicle ahead is out of the sensor detection range, it may cause sudden acceleration of the subject vehicle. The driver must remain cautious and be ready to control the vehicle at all times.
- As a vehicle active safety control system, ESC can improve vehicle stability, but it still has limitations in complex situations (such as speeding, running on slippery roads, etc.). Please control the vehicle speed and drive the vehicle carefully.
- When the ambient temperature is high and the HDC is used for a long time, the HDC will stop working for a short time to prevent the brake disc from overheating. At this time, the vehicle will show signs of acceleration. Please depress the brake pedal in time to re-control the vehicle speed.

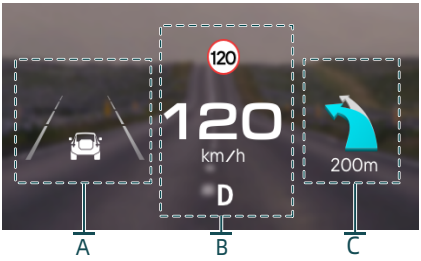
Driving assistance

Head-up display

Windshield head-up display (W HUD) can project important driving information such as speed, navigation, and vehicle status onto the windshield in front of the driver, allowing the driver to easily view driving information without bowing or turning the head, thereby avoiding distractions and improving driving safety.

◆ W HUD interface

The W HUD interface displays basic driving information, navigation information, ADAS information, and body attitude information; The display mode can be divided into two modes: normal mode and snow mode.



Zone A:

Display ADAS information+body attitude information, including ACC/ICA status, cruise speed, headway, LDW, AEB/FCW/JA/hands-off alarm, as well as body attitude information.

Zone B:

Display basic driving information, including vehicle speed, gear, and speed limit signs.

Zone C:

Display navigation information, including steering guidance and steering distance.

In the Vehicle Center >> Vehicle Settings >> W HUD Settings interface of the CSD, turn on the W HUD function. After the function is turned on, the following sub functions can be set:

- Brightness adjustment.
- Height adjustment.
- Mode adjustment. (Snow mode, normal mode)

In the -1 screen interface of the CSD, the W HUD function can be turned on/off.

NOTE

- At specific angles, sunlight refracted and reflected by the windshield and W HUD will form reflections on the windshield. With changes in lighting angle, driving direction, and slope, reflections may disappear.
- In case of long time driving in the same direction, the W HUD height can be adjusted to reduce reflection.
- Under certain special weather conditions (with fog, haze, rain, snow, hail, strong sunlight, etc.), W HUD information may be unclear or temporarily disrupted.
- Some glasses (sunglasses, goggles, or polarizing lenses) may affect information reading.

WARNING

- It is strictly prohibited to place items in the instrument panel groove below the front windshield to avoid damaging the W HUD.

Adaptive cruise control (ACC)

ACC is a driving assistance function used to actively control the vehicle speed, which monitors the running status of the vehicle ahead through MMW radar and smart front-view camera, and actively controls the speed of the subject vehicle for automatic car-following cruise. When the ACC system is activated, the vehicle can cruise at a constant speed within the range of 30 km/h to 150 km/h. When the cruise control function is activated, if the vehicle speed is less than 30 km/h, set the cruising speed to 30 km/h; If the vehicle speed is greater than or equal to 30 km/h, set the cruising speed to the current speed, and the vehicle can also perform car-following cruise within the speed range of 0 km/h to 150 km/h.

If the target vehicle is detected to slow down or a new target vehicle appears with a lower speed than the subject vehicle's cruising speed, ACC will slow down the vehicle to maintain a safe distance from the target vehicle or the new target.

When the target vehicle accelerates or the target vehicle leaves the running path of the subject vehicle, the system will control the vehicle to accelerate until the set speed is reached.

◆ ACC indicator

When the ACC indicator lights up in gray on the instrument cluster, it indicates that the function is turned on and the system is ready.

When the ACC indicator lights up in green on the instrument cluster, it indicates that the system is activated and in the working state.

When the ACC indicator lights up in red on the instrument cluster, it indicates that the system is faulty. In this case, please contact the Mengshi Experience Center as soon as possible.

◆ Button operations



① ACC ICA button

When the function is turned off, press and release the button to turn it on and try to activate the ACC function once;

When the function is ready or activated, you can press and release the button to turn off the ACC function.

② Cruise setting stalk

Pull up (RES/+):

- Pull and release this stalk, the cruising speed will increase by 5 km/h;
- Pull and hold this stalk, the cruising speed will increase by 1 km/h;
- After temporarily exiting, pull up this stalk to resume the previous cruising speed.

Pull down (SET/-):

- Pull and release this stalk, the cruising speed will decrease by 5 km/h;
- Pull and hold this stalk, the cruising speed will decrease by 1 km/h.
- After temporarily exiting, pull down this stalk to activate the ACC function at the current vehicle speed.

③ Cruise exit button

Press the button, and ACC returns to the ready state from the activated state.

④ Headway adjustment button

Press the button to set the time headway between the subject vehicle and the vehicle ahead.

◆ Car-following start/stop of ACC

When the vehicle is running in ACC, after following the vehicle ahead unit it stops:

- If the vehicle ahead leaves within the set car-following stop time, ACC will be activated to automatically follow the vehicle ahead.
- If the parking time does not exceed 5 minutes, push up the cruise setting stalk or lightly depress the accelerator pedal, ACC will be reactivated to follow the vehicle ahead; If the above operation is not performed, the vehicle will remain in a stopped state.
- If the parking time exceeds 5 minutes, the ACC function will be in a ready state, the electronic parking brake will be automatically activated, the instrument cluster will issue a prompt message, and the driver needs to take over the vehicle immediately.

NOTE

- The ACC function may exit or fail to be activated in the following situations (including but not limited to):
  - ESC function is turned off.
  - The vehicle is in a non D gear.
  - The door, tailgate, and engine hood are open.
  - The driver or passenger did not fasten the seat belt.
  - The airbag is faulty.
  - ACC system is faulty.
- When driving the vehicle with ACC, the actual vehicle speed may deviate slightly from the set cruising speed. The driver shall always pay attention to the vehicle speed and take over the vehicle in time if necessary.
- ACC can only detect vehicles ahead and may not recognize the following objects (including but not limited to):
  - Vehicles running in the opposite direction of the subject vehicle or crossing the same lane.

NOTE

- Vehicles with very low or rapid deceleration.
- Stationary vehicles.
- Pedestrians or animals.
- Vehicles that are relatively close (within approximately 1.5 m).
- Vehicles with smaller rear parts (such as trailers, motorcycles, bicycles, etc.).
- Special vehicles (such as engineering vehicles, etc.).
- Vehicles with lifted front (such as overloaded vehicles).
- Higher vehicles or vehicles with protruding loads at the rear.
- If the target vehicle in front suddenly deviates from the lane, the subject vehicle may not be able to judge the road conditions ahead in a timely manner, posing a collision risk.
- When the vehicle is overtaken, ACC may not be able to immediately recognize vehicles that have changed from other lanes to its own lane.

WARNING

- ACC cannot completely replace the driver to control the vehicle. The driver needs to pay attention to the running status of the vehicle at all times, and take over the vehicle in time if necessary, otherwise there may be potential safety hazards.
- ACC is prohibited when driving in complex conditions such as bad weather, slippery roads, congested roads, etc.
- It is strictly forbidden for non-drivers to touch the ACC related setting buttons. Otherwise, traffic accidents may occur.

Intelligent cruise assist (ICA)

Intelligent cruise assist (ICA) includes traffic jam assist (TJA) and highway assist (HWA), which can reduce driving burden and improve driving safety and comfort.

TJA is applicable to driving environments with traffic congestion in the speed range of 0 km/h to 60 km/h. When the system recognizes a stable lane line, ICA will maintain the vehicle near the center of the lane. When the system does not recognize a stable lane line and there is a target vehicle in front of the subject vehicle, ICA will maintain the vehicle following the trajectory of the vehicle ahead for a period of time.

HWA is applicable to driving environments with good vehicle conditions in the speed range of 60 km/h to 130 km/h. When the system recognizes a stable lane line, ICA will maintain the vehicle near the center of the lane.

In the Vehicle Center >> Driving Assistance >> ICA interface of the CSD, set ICA: single lane, triggered lane change (TLC), and prompted lane change.

◆ ICA indicator



When the ICA indicator lights up in gray on the instrument cluster, it indicates that the function is turned on and the system is ready, and the centering control does not work.

When the ICA indicator lights up in green on the instrument cluster, it indicates that the system is activated and the centering control is working.

When the ICA indicator lights up in red on the instrument cluster, it indicates that the system is faulty. In this case, please contact the Mengshi Experience Center as soon as possible.

When the ICA indicator lights up in yellow on the instrument cluster, it indicates that the function is turned on, the system is in an activation degraded state, and the centering control does not work.

◆ Turning on/off ICA



When the ICA is turned off, press the ICA button shown in the figure, the ICA function will be turned on with one attempt for activation.

When ICA is enabled, press the ICA button again to turn off the ICA function; Press the ACC button to switch to ACC.

Press the cruise exit button, and ICA will return from the activated state to the ready state.

Please refer to the ACC function for the operation of ICA function buttons.

◆ Centering control

After TJA is activated, and the subject vehicle runs within the vehicle speed range of 0 km/h to 60 km/h:

If the lane line exists and is recognized, regardless of whether there is a vehicle ahead, the subject vehicle will be maintained near the center of the lane for adaptive cruise.

If the subject vehicle switches from the state where the lane lines can be recognized to the state where the lane lines cannot be recognized, and there is a target vehicle ahead, the subject vehicle will follow the vehicle ahead for a period of time.

When there is no target vehicle ahead and there are no lane lines, TJA cannot perform lateral assistance and is downgraded to adaptive cruise control mode.

After HWA is turned on, and the subject vehicle runs within the speed range of 60 km/h to 130 km/h:

If the lane line exists and is recognized, regardless of whether there is a vehicle ahead, the subject vehicle will be maintained near the center of the lane for adaptive cruise.

If the subject vehicle switches from the state where the lane lines can be recognized to the state where the lane lines cannot be recognized, regardless of whether there is a target vehicle ahead, HWA cannot perform lateral assistance and is downgraded to adaptive cruise control mode.

◆ Steering wheel off-hand alarm and takeover prompt

During operation of ICA, if the system detects that the driver is not holding the steering wheel properly, the instrument cluster will display a takeover prompt message, reminding the driver to hold the steering wheel in a timely manner (slightly turn the steering wheel). If the driver has not yet held the steering wheel, the instrument cluster will display a prompt message again, accompanied by a warning sound. If the driver has not taken appropriate measures, ICA will automatically exit.

◆ Intelligent driving

The intelligent driving assistance system includes height and width limit warning and chassis obstacle warning. When the system recognizes that the height and width limit device and chassis obstacles have an impact on driving, it will promptly alert and remind the driver, reducing the driving burden and improving driving safety and comfort.

Intelligent driving assistance is applicable to general road driving environments with a speed range of 0 km/h to 30 km/h (daytime, sunny, cloudy, slightly rainy, moderately rainy, and slightly snowy).

In the Vehicle Center >> Driving Assistance >> Intelligent Driving Assistance interface of the CSD, set height and width limit warning, chassis obstacle warning, and body modification settings on/off. After the body modification settings function is activated, you can customize the body width, body height, and minimum chassis clearance.

NOTE

- After the electric winch is installed, the HWA function is not available.
- When the ICA function is turned on, the vehicle motion control function OFF indicator  will go on.
- The ICA speed control function is implemented by ACC. Please refer to the ACC section for other button operations. Before using ICA, please carefully read the ACC section to understand the functional limitations.
- ICA may issue a warning for drivers who improperly hold the steering wheel. In this case, the driver can slightly turn the steering wheel while ensuring driving safety.
- The ICA function is only applicable to ordinary road surfaces with good conditions, and may not work normally under the following conditions (including but not limited to):
  - Bad weather (such as insufficient light, excessive light, fog, haze, rain, heavy snow, hail, etc.).
  - When the vehicle accelerates or decelerates sharply.
  - Passing through curves with excessive curvature (such as high-speed ramps).
  - The lane lines are covered with ice and snow, reflective due to standing water, unclear, worn, missing, intersecting, blocked by shadows cast by other vehicles, buildings, environment, etc.
  - Passing through sections without lane lines or with sudden lane changes (such as non-standardized roads, intersections, construction areas, etc.)
  - Passing through areas with unclear lane division (such as areas where lane lines converge or separate, highway ramps, urban intersection areas, left turn waiting areas, etc.).

NOTE

- There are edges or other high contrast lines on the road surface, rather than lane lines (such as road joints, curbs, etc.).
- The lane lines cannot be recognized or are incorrectly recognized due to changes in height (such as up and down slopes, the distance between the lane lines is too wide or too narrow).
- There are bumps or potholes on the lane.

WARNING

- ICA cannot completely replace the driver's control of the vehicle, does not allow hands-off driving, and may not be able to make timely judgments in certain emergency situations (such as emergency braking or lane changing of the vehicle ahead). The driver needs to pay attention to the running status of the vehicle at all times, and take over the vehicle in time if necessary, otherwise there may be potential safety hazards.
- In complex conditions such as bad weather, slippery roads, congested roads, the ICA function may be limited and is not recommended.
- It is strictly forbidden for non-drivers to touch the ICA related setting buttons. Otherwise, traffic accidents may occur.

Lane keeping assist (LKA)

Lane keeping assist includes two safe driving assist functions: Lane keeping assist (LKA) and lane departure warning (LDW).

LKA detects road information such as lane lines, curbs, or shoulders ahead using the smart front-view camera, and calculates the vehicle's position in the lane. When a vehicle unintentionally deviates from its own lane, LDW will issue a warning through the instrument cluster and buzzer of the vehicle to remind the driver to control the vehicle in a timely manner. When LKA is set to be activated, the system can control the steering system to keep the vehicle in its own lane. LKA can assist in keeping the vehicle in the lane and remind the driver to control the vehicle in a timely manner when unintentionally deviating from the lane, improving driving comfort and safety.

Effective range of LKA function: The vehicle speed is between 60 km/h and 150 km/h.

◆ LKA indicator 

When the LKA indicator lights up in green on the instrument cluster, it indicates that the system is activated and in the working state.

When the LKA indicator lights up in red on the instrument cluster, it indicates a system failure. In this case, please drive with caution and contact the Mengshi Experience Center.

◆ LDW indicator 

When the LDW indicator lights up in green on the instrument cluster, it indicates that the system is activated and in the working state.

When the LDW indicator lights up in red on the instrument cluster, it indicates a system failure. In this case, please drive with caution and contact the Mengshi Experience Center.

◆ Turning on/off LKA

In the Vehicle Center >> Driving Assistance >> Lane Keeping interface of the CSD, set the LKA function on/off. At the same time, set lane keeping mode and lane departure warning mode.

Lane keeping assist mode:

Lane departure warning (LDW), lane keeping assist (LKA)

Lane departure warning mode:

Sound alarm, steering wheel vibration.

◆ Lane keeping assist (LKA)

When the LKA function is activated, if the driver unintentionally deviates from the lane, the LKA will control the steering system to actively correct the vehicle trajectory, assisting in keeping the vehicle in the lane. At the same time, the animation of the lane departure in the instrument cluster will turn red, reminding the driver to control the vehicle in a timely manner.

◆ Lane departure warning (LDW)

When the LDW function is activated, if the driver unintentionally deviates from the lane, the animation of the lane departure in the instrument cluster will turn red, accompanied by a warning sound or steering wheel vibration, reminding the driver to control the vehicle in a timely manner.

◆ Steering wheel off-hand alarm and takeover prompt

When the LKA detects that the driver's hands are off the steering wheel for a period of time, the instrument cluster will display the takeover prompt message, accompanied by a beep warning sound, to remind the driver to take over the vehicle in time. If the driver does not take over the vehicle in this stage, the LKA will automatically exit.

In case of alarm, the driver shall immediately hold the steering wheel and control the vehicle. When LKA monitors that the driver has taken over the vehicle, the warning to the driver will be canceled.

LKA may issue a warning to drivers who improperly hold the steering wheel. At this time, the driver can turn the steering wheel slightly under the premise of ensuring driving safety.

NOTE

- LKA can only provide steering assist control under certain conditions and does not participate in vehicle speed control. When lane keeping assist & departure warning is turned on separately, the driver still needs to operate the accelerator and brake pedals.
- LKA is affected by weather and ambient light level, and may not work in low light, rain, fog, haze and other conditions.
- Rapid acceleration, rapid deceleration, rapid turning of the steering wheel, turning on the turn signals, hazard warning lamps, or turning on the front wipers may cause the system to be inhibited or exited.
- When the vehicle ahead cuts into the lane of the subject vehicle in an emergency, the lane line may be blocked by the vehicle ahead, causing the LKA to exit. At this time, the driver shall control the direction of the vehicle in time.

WARNING

- When LKA is turned on, it does not mean that autonomous driving is achieved, and the driver still needs to hold the steering wheel, observe the road traffic conditions, be ready to take over the vehicle at any time, and always be responsible for safe driving.

Lane change assist

◆ Triggered lane change assist (TLC)

When the vehicle activates the highway assist (HWA), the driver proposes a lane change request by turning the turn signal lamp lever and grants the lane change right to the triggered lane change assist (TLC). The system continuously analyzes the lane change request and risk based on the current lane situation, target lane situation, and vehicle movement situation, and after determining that there is no collision risk in the lane change requests, initiates lane change control to continuously control the vehicle from the current lane to the adjacent target lane.

TLC can only cross one lane at a time to change lanes.

Triggered lane change assist (TLC) indicator 

When the TLC indicator lights up in gray on the instrument cluster, it indicates that the function is turned on and the system is to be activated.

When the TLC indicator lights up in green on the instrument cluster, it indicates that the function is activated and the speed conditions of the subject vehicle are met.

When the TLC indicator lights up in yellow on the instrument cluster, it indicates that the function is faulty and has been downgraded to longitudinal cruise assist function only, with no lateral lane change function.

When the TLC indicator lights up in red on the instrument cluster, it indicates that the function is faulty. In this case, please contact the Mengshi Experience Center as soon as possible.

Turning on/off triggered lane change assist

After the ICA function is activated, in the Vehicle Center >> Driving Assistance >> ICA interface of the CSD, set the triggered lane change assist function on/off.

NOTE

- After the electric winch is installed, the TLC function is not available.

◆ Active lane change assist (ALC)

Active lane change assist (ALC) adds the function to allow the vehicle to independently determine whether the left lane is suitable for lane change during the car-following process and remind the driver to change lanes to the left based on the triggered lane change assist (TLC). When there is a target vehicle ahead, the system will determine the difference between the current speed of the subject vehicle and the cruising set speed. If the difference exceeds 10 km/h and exceeds a certain period of time, the system will continuously analyze the request and risk of lane changes based on the current lane situation, left lane situation, and vehicle movement situation, and after determining that the left lane is risk-free, actively issue a lane change request and, with the driver's authorization, activate lane change control to continuously control the vehicle from the current lane to the adjacent target lane.

ALC can only cross one lane at a time to change lanes.

Active lane change assist (ALC) indicator 

When the ALC indicator lights up in gray on the instrument cluster, it indicates that the function is turned on and the system is to be activated.

When the ALC indicator lights up in green on the instrument cluster, it indicates that the function is activated and the speed conditions of the subject vehicle are met.

When the ALC indicator lights up in yellow on the instrument cluster, it indicates that the function is faulty and has been downgraded to longitudinal cruise assist function only, with no lateral lane change function.

When the ALC indicator lights up in red on the instrument cluster, it indicates that the function is faulty. In this case, please contact the Mengshi Experience Center as soon as possible.

Turning on/off active lane change assist

After the ICA function is activated, in the Vehicle Center >> Driving Assistance >> ICA interface of the CSD, set the active lane change assist function on/off.

NOTE

- After the electric winch is installed, the ALC function is not available.
- The lane change assist function cannot be activated under all conditions and lane change will not be executed or succeed in the following situations (including but not limited to):
  - The highway assist (HWA) is not in an activated state.
  - The current lane line is a solid line on the side near the target lane.
  - The driver does not toggle the turn signal lamp lever for lane change authorization after a lane change request is displayed on the instrument cluster.
  - There is a risk of collision with the vehicle ahead.
  - The driver takes over the vehicle during the lane change process.
  - Special road conditions such as sharp turns.
  - The system detects that the driver's hands are off the steering wheel.
- The system is unable to detect all vehicles in the target lane, especially those coming from behind and moving rapidly, or vehicles approaching the target lane simultaneously in other lanes.

WARNING

- LCA is affected by weather, illumination, and the clarity of lane lines, with performance degrading significantly in case of low light, roads covered by snow, and heavy road wear.
- LCA cannot completely replace the driver's control of the vehicle, and does not allow hands-off driving. The driver still need to observe and pay attention to traffic conditions and the surrounding area of the vehicle to ensure safe lane change.

WARNING

- Due to rapid changes in traffic conditions, there may be a possibility of lane change failure after the driver responds to the ALC. The driver shall always pay attention to traffic conditions to ensure safe lane change.

Emergency lane keeping (ELK)

When a vehicle is running out of its own lane and there is a risk of collision with vehicles traveling in the same or opposite direction of adjacent lanes, and it is detected that the vehicle is about to leave the solid lane line or curb, ELK can provide emergency steering assistance to the vehicle to keep the vehicle in its own lane. This function prioritizes driver operation and requires the driver to continuously monitor the entire system without taking hands off the steering wheel.

ELK can operate normally within the speed range of 60 km/h to 130 km/h.

ELK indicator



When the ELK indicator lights up in green on the instrument cluster, it indicates that the function is turned on.

When the ELK indicator lights up in red on the instrument cluster, it indicates that the function is faulty. In this case, please contact the Mengshi Experience Center as soon as possible.

Turning on/off ELK

In the Vehicle >> Lane Keeping >> ELK interface of the CSD, set the ELK function on/off.

NOTE

- After the electric winch is installed, the ELK function is not available.
- ELK is only an auxiliary driving function. The driver needs to observe road traffic conditions at all times and always be responsible for safe driving.
- ELK may not be work when the vehicle is driving on a road with a smaller curve radius.
- ELK is a safe driving assistance function, and it is recommended that you do not turn off this function when driving normally.
- ELK can only provide steering assist control under certain conditions and does not participate in vehicle speed control.
- ELK is only applicable to ordinary road surfaces with good condition and signs.
- If the surface of the front/rear bumper (with MMW radar installed inside) or the surface of the smart front-view camera on the front windshield is dirty, blocked, bumped or damaged, it will affect the detection of vehicles nearby. Please deal with it in time.

Emergency steering assist (ESA)

When urgently avoiding objects in front, if the driver makes a turning motion and the system detects a risk of collision, the emergency steering assist (ESA) will apply additional torque to the steering system to assist the driver in correcting the direction, improving the driver's steering response ability and steering force, which can not only maximize the avoidance of danger, but also prevent the vehicle from losing control. This function prioritizes driver operation and requires the driver to continuously monitor the entire system without taking hands off the steering wheel.

ESA can operate normally within the speed range of 50 km/h to 80 km/h.

ESA indicator

When the ESA indicator lights up in green on the instrument cluster, it indicates that the function is working.

When the ESA indicator lights up in red on the instrument cluster, it indicates that the function is faulty. In this case, please contact the Mengshi Experience Center as soon as possible.

When the ESA indicator lights up in gray on the instrument cluster, it indicates that the function is turned on, the system is in an activation degraded state, and ESA does not work.

Turning on/off ESA

In the Vehicle Center >> Driving Assistance >> Forward Warning interface of the CSD, set the ESA function on/off.

NOTE

- After the electric winch is installed, the ESA function is not available.
- ESA is only an auxiliary driving function. The driver needs to observe road traffic conditions at all times and always be responsible for safe driving.
- ESA can only enter working mode when the vehicle meets the following conditions:
  - The turning radius of the road being driven on shall not exceed the set value.
  - The depth at which the driver depresses the brake pedal must not exceed the set value.
- ESA can only provide steering assist control under certain conditions and does not participate in vehicle speed control.
- If the driver actively locks the steering wheel or applies a directional operation opposite to the direction controlled by this function when the steering assist control is activated, emergency steering may not work or stop.
- If there is not enough space to avoid on the driving lane, the ESA function may not work.

Traffic sign recognition (TSR)

TSR detects traffic sign information on the road using the smart front-view camera and displays corresponding images on the instrument cluster to remind the driver to drive in a standardized manner.

Turning on/off TSR

In the Vehicle Center >> Driving Assistance >> Traffic Sign interface of the CSD, set the TSR function on/off. With the START/STOP button on, the system will memorize the last function setting state.

NOTE

- When no new traffic sign is recognized, the traffic sign displayed on the instrument cluster will automatically disappear after driving a certain distance.
- Due to inevitable environmental factors and road conditions, traffic signs may be incorrectly identified or not recognized. TSR may not work properly in situations including but not limited to:
  - Traffic signs cannot be recognized (such as being obstructed, unclear, worn, missing, small in size, reflective signs, photoelectric signs, etc.).
  - Traffic signs are positioned too high, too low, or have significant angle deviations.
  - Bad weather (such as insufficient light, fog, haze, rain, heavy snow, hail, etc.).
  - Passing complex road surfaces (such as tunnels, curves, uneven roads, up and down slopes, etc.).
  - Other environmental factors (such as electromagnetic field interference, high or low ambient temperature, direct sunlight, glare, etc.).

Intelligent speed limit system (ISA/ISLC)

The intelligent speed limit system includes: intelligent speed assistance (ISA) and intelligent speed limit control (ISLC).

When the vehicle is running, the intelligent speed limit system recognizes the road speed limit signs through the smart front-view camera and navigation, with the corresponding speed limit information displayed on the instrument cluster to remind the driver to control the speed within a reasonable range. When the vehicle is speeding, the speed limit sign on the instrument cluster will flash to remind the driver to control the vehicle speed.

Turning on/off intelligent speed limit system

In the Vehicle Center >> Driving Assistance >> Traffic Sign interface of the CSD, set the intelligent speed limit assistance function on/off, select ISA/ISLC, and set the speed limit deviation values: 0 km/h, 5 km/h, and 10 km/h.

Intelligent speed assistance (ISA)

ISA displays the monitored speed limit information on the instrument cluster to prompt the driver. When the system detects that the vehicle speed exceeds the speed limit value+speed deviation value, an audible alarm is triggered.

Intelligent speed limit control (ISLC)

When the vehicle is running, ISLC recognizes the road speed limit signs via the smart front-view camera, and the instrument cluster displays the corresponding speed limit information. If the recognized speed limit information differs from the current cruise speed set by the instrument cluster by more than the speed limit deviation, the system will prompt the driver through the instrument cluster to confirm whether to update the cruise speed for speed control.

NOTE

- The intelligent speed limit system can recognize speed limit and release signs on standard electronic road signs and standard ordinary road signs, but cannot recognize ground speed limit signs.
- When no new speed limit sign or speed limit release sign is recognized, the speed limit sign reminder on the instrument cluster will automatically disappear after driving a certain distance. The driver is advised to control the vehicle speed within a reasonable range.
- When multiple speed limit signs appear side by side horizontally and vertically, the intelligent speed limit system will recognize the speed limit sign suitable for the vehicle.
- Due to inevitable environmental factors and road conditions, speed limit signs may be incorrectly identified or not recognized. The intelligent speed limit system may not work properly in situations including but not limited to:
  - The speed limit signs cannot be recognized (such as being obstructed, unclear, worn, missing, small in size, reflective signs, photoelectric signs, etc.).
  - The speed limit signs are positioned too high, too low, or have significant angle deviations.
  - Bad weather (such as insufficient light, fog, haze, rain, heavy snow, hail, etc.).
  - Passing complex road surfaces (such as tunnels, curves, uneven roads, up and down slopes, etc.).
  - Other environmental factors (such as electromagnetic field interference, high or low ambient temperature, direct sunlight, glare, etc.).

Automatic emergency braking (AEB)

Auto emergency braking (AEB) monitors the relative distance and speed between the subject vehicle and vehicles ahead in the same lane and direction or pedestrians through MMW radar and smart front-view camera and evaluates the possibility of collision between the subject vehicle and the vehicles ahead or pedestrians. When there is a risk of collision, AEB automatically intervenes and brakes to avoid a collision. If a collision is unavoidable, the AEB will still reduce the vehicle speed as much as possible to minimize the damage caused by the collision.

AEB indicator



When the AEB OFF indicator lights up in yellow on the instrument cluster, it indicates that the system is off and the AEB is not working.

When the AEB MIL lights up in yellow on the instrument cluster, it indicates a system failure. In this case, please drive with caution and contact the Mengshi Experience Center.

Turning on/off AEB

In the Vehicle Center >> Driving Assistance >> Forward Warning interface of the CSD, set the AEB function on/off. With the START/STOP button on, the AEB will be enabled by default.

Working status of AEB

Brake preparation: When the system judges that the current situation is urgent, it will prepare the driver for braking and automatically reduce the gap between the brake pad and the brake disc (this process may produce a slight braking motion).

Emergency brake assist: If the driver has taken braking measures in an emergency, but the braking force is insufficient, AEB will provide a certain amount of additional braking force to achieve a better braking effect and avoid or reduce the damage caused by the collision.

Auto emergency braking: If the driver fails to respond to the emergency and the dangerous situation escalates further, the AEB will be activated. The system will apply braking force within its capacity to avoid or reduce the damage caused by the collision to a certain extent.

NOTE

- AEB is a safe driving assistance function, and it is recommended that you do not turn off this function when driving normally.
- Certain environmental factors can affect radar detection (e.g. road guardrails, tunnel entrances, heavy rain or snowy weather, etc.).
- AEB generally only acts on vehicles ahead in the same lane and direction or crossing pedestrians, but may be triggered by objects that are similar in shape or characteristics to vehicles, pedestrians, or two-wheelers.
- AEB shall be turned off in the following cases:
  - The vehicle is towed.
  - The vehicle is pulled into the automatic car wash.
  - The vehicle undergoes annual inspection and is placed on the hub test bench.
  - The vehicle is running off-road or on a race track.
- AEB may not work when the vehicle accelerates or turns sharply.
- In order to ensure safety during the braking process, AEB can make the vehicle speed reduce to a limited extent, and can not prevent collision completely. The driver shall always pay attention to the danger of collision and take braking measures.

WARNING

- It is strictly forbidden for the driver to actively test the AEB function to avoid unnecessary injury or even death.

Intersection assist (JA)

JA function is an extension of the AEB function. It automatically requests the braking of the subject vehicle through MMW radar and smart front-view camera to avoid or reduce the risk of collision between the subject vehicle and objects on the road. When a collision is about to occur, the warning function will issue a warning to reminder the driver to take over the vehicle immediately and brake or take avoidance measures, reducing the possibility of collision accidents when the vehicle passes through intersections.

Operating range of JA function: The vehicle speed is between 5 km/h and 30 km/h.

◆ JA indicator

When the JA OFF indicator lights up in yellow on the instrument cluster, it indicates that the system is off and the JA function is not working.

When the JA MIL lights up in yellow on the instrument cluster, it indicates a system failure. In this case, please drive with caution and contact the Mengshi Experience Center.

◆ Turning on/off JA

In the Vehicle Center >> Driving Assistance >> Forward Warning interface of the CSD, set the intersection warning assist function on/off. With the START/STOP button on, the system will memorize the last function setting state.

◆ Intersection emergency braking

If the driver does not respond to the warning and the risk of collision further increases, the intersection emergency braking function will actively request deceleration to avoid or mitigate the collision.

◆ Working status of JA

The JA warning is divided into two stages: pre-alarm and emergency alarm.

Pre-alarm:

When there is a risk of potential collision between the subject vehicle and the target object, the system emits an alarm message through visual, auditory, or tactile means to remind the driver to pay attention to driving.

Emergency alarm:

When there is a risk of potential collision between the subject vehicle and the target object, the system determines that the collision cannot be avoided and requests active braking.

NOTE

- After the electric winch is installed, the JA function is not available.
- When the driver, JA, and AEB simultaneously request to brake the vehicle, the brake system selects the larger deceleration value among them to act on the vehicle.
- JA is only an auxiliary warning function and cannot replace the driver's ability to drive the vehicle and view ahead and sideways.

Auto parking assist

The APA uses visual and ultrasonic methods to identify parking spaces and obstacles. The system processes the identified environmental data and plans the parking path, controls the vehicle to automatically move forward, backward, steer, brake and other operations, and park the vehicle in/out of the parking space.

NOTE

- APA can identify marked parking spaces on the ground, including standard horizontal parking spaces, vertical parking spaces, and diagonal parking spaces; it can also identify spatial parking spaces, such as parking spaces in the middle of two vehicles, including horizontal spatial parking spaces, and vertical spatial parking spaces.

◆ Turning on/off APA

Button



Press the APA button to activate the APA function. After activation, follow the graphics and text prompts displayed on the CSD to complete automatic parking.

Activation conditions of APA:

- The ultrasonic radar sensor is not faulty.
- The around view camera is not faulty.
- The driving mode is normal mode or sport mode.

- The APA system and its associated systems are not faulty.
- All doors are closed.

◆ Parking in

1. Start the vehicle, shift to D gear, press the APA button to activate the APA function, and the system will automatically enter the parking space searching interface;
2. Control the vehicle speed within 25km/h, keep the vehicle running straight forward, and the system starts searching for a parking space. When the system finds a parking space, the CSD displays "Please select a parking space" and displays the currently found alternative parking space; (When the parking space does not meet the parking requirements, the parking space is shown in gray and cannot be selected.)
3. Touch the available parking space icon on the CSD and select the parking space you want to park in;
4. After the parking space is selected, enter the parking mode selection interface on the CSD and selects "Start parking";
5. After selecting to start parking, the CSD will display "Please release the brake pedal and take both hands off the steering wheel". After confirming the safety of the surrounding environment, the driver releases the brake pedal and takes both hands off the steering wheel. The system automatically parks the vehicle in the parking space until the CSD displays "Parking completed, please take over the vehicle", and the parking of vehicle is completed.

◆ Parking out

1. Start the vehicle, enter P gear, press the APA button to activate the APA parking out function;
2. After confirming the direction of parking, the driver touches the "Left horizontal parking" or "Right horizontal parking" icon on the CSD to activate the APA parking out function;
3. After the parking out function is activated, the CSD displays "Please release the brake pedal". After confirming the safety of the surrounding environment, the driver releases the brake pedal and the system automatically parks the vehicle out of the parking space;
4. After the parking out process is completed, the CSD displays "Parking out completed, please take over the vehicle". After the vehicle is parked out, the driver shall take over the vehicle in a timely manner.

◆ Parking interruption

In the process of automatic parking, the following situations will cause the parking to pause:

- The brake pedal is depressed.
- The accelerator pedal is depressed.
- Any door is open (including the tailgate).
- An obstacle is detected in the parking path.
- The shift lever is pushed.
- The driver seat belt is unfastened.

To resume the parking process, please follow the instructions on the CSD.

NOTE

- After the electric winch is installed, the APA function is not available.
- When the APA function is faulty, a prompt message will appear on the CSD. In this case, please take over the vehicle in time and contact the Mengshi Experience Center.

◆ Parking exit

In the process of automatic parking, the following situations will cause the parking exit:

- EPB is activated.
- The steering wheel is turned.
- The slope of the parking road is too steep.
- The APA system or its associated system is faulty.
- There are obstacles near the target parking space, which makes it impossible to plan a parking path.
- The parking space is too small and there is not enough parking space.
- There are high curbs, speed bumps, or road surfaces with height differences on the parking path, which may not be crossed for safety reasons.
- Parking time and number of parking pauses exceeded the limit.

◆ Parking completed

When the parking is completed, there will be prompt on the CSD. Please confirm that the gear has been shifted into the P position and the EPB has been activated before power-off and locking of the vehicle.

RPA

The driver can remotely start the vehicle and perform automatic parking within a range of about 10 m from the vehicle through the Mengshi APP.

Mobile remote parking can support the following parking methods: horizontal parking, vertical parking, and oblique parking.

◆ Mengshi APP remote parking

Remote parking in

1. Start the vehicle, engage D gear, and press the APA button when the speed is less than 25 km/h to activate the APA function;
2. After finding the parking space, depress the brake pedal to stop the vehicle, and select the target parking space, the CSD will automatically jump to the parking space selection interface;
3. In the parking mode selection interface of the CSD, select the "Remote parking" mode; CSD prompt: Please shift to P gear, get everyone off the car, turn on the Mengshi APP, and start remote parking;
4. The driver shall follow the prompts on the CSD to shift the vehicle into P gear and pull up the EPB, then exit the vehicle with the mobile phone and personal belongings to use the remote parking function.

NOTE

- Before using the remote parking function, please turn on the Mengshi APP, log in to the owner's account, and successfully connect the mobile phone Bluetooth to the vehicle's Bluetooth.

Remote parking out

When the vehicle is not started, the driver can start the vehicle outside the vehicle through the Mengshi APP. Touch RPA on the APP interface and select the parking direction to activate the RPA function. The system will plan the vehicle trajectory and control the vehicle to park out.

NOTE

- When using the RPA function for the first time, the system will pop up a disclaimer. Please read it carefully.
- When the APA function is activated, the vehicle motion control function OFF indicator will light up.
- After the APA function is activated, if the vehicle is in non P gear, the system defaults to parking in mode and starts searching for parking spaces; If the vehicle is in P gear, the system defaults to parking out mode.
- When there is only one alternative parking space, the system will automatically select that parking space.
- The following conditions (including but not limited to) may cause radar and camera functions to be limited and APA and RPA to work abnormally:
  - The surface of the radar or camera is dirty, damaged, misaligned, or obstructed (such as mud or ice).
  - Bad weather (such as insufficient light, fog, haze, rain, heavy snow, hail, etc.).
  - The ambient temperature is too high or too low.
  - The parking line is obstructed, unclear, worn, missing, etc.
  - Interference from other electrical equipment or devices.

NOTE

- The following conditions (including but not limited to) may lead to the incorrect release of parking spaces during the search process. The driver shall make judgments based on actual scenarios and not activate the parking function:
  - The distance from the marked parking space is too far, resulting in the incorrect release of the parking space when there are cars inside.
  - There are obstacles such as cones, warning signs, thin poles, and low cylinders in front or inside the parking space.
  - There are obstacles in front or inside the parking space that absorb ultrasonic materials (such as cotton clothes).
  - If the vehicle speed is too high when searching for parking spaces, please try to keep the vehicle speed below 10 km/h.
- The following conditions (including but not limited to) may cause sudden braking during parking, and even lead to safety risks such as collisions. The driver is advised to remain vigilant and take over the vehicle at any time:
  - There are ground locks, wheel chocks, square pillars with right angles, or potholes or unevenness on the road in or near the target parking space.
  - There are vehicles using ultrasonic probes of the same frequency or moving objects (such as vehicles, pedestrians, etc.) intervening in parking around the parking area.

NOTE

- Do not use the APA or RPA in the following conditions (including but not limited to) owing that the parking may not work as expected, or even cause a risk of collision:
  - The vehicle is fitted with a trailer or tire chains, a non-original tire is used, or the tire pressure is too low.
  - The load exceeds the size of the subject vehicle body.
  - The target parking space is narrow or three-dimensional.
  - There are thin, pointed, short, and suspended objects near the target parking space, such as low stone piers, low columns, thin poles, fire hydrants, etc.
  - There are speed bumps, steps, and road surfaces with height differences near the target parking space.
  - There are ditches, cliffs, pools, etc. near the target parking space.
  - The weather is harsh, with moderate to heavy snow, snow accumulation on the road surface, moderate to heavy rain, and water accumulation on the road surface, and the system may not be able to find a parking space or pose safety risks due to the inability to detect obstacles.
  - The parking space is on the slope or narrow.
  - The target parking space is close to a roadside fence, wall, street lamp, tree, bush, or pillar.
  - There are buses, vans, trucks, bicycles, tricycles or other special vehicles near the target parking space.

NOTE

- During remote parking, if the driver is too far away from the vehicle (more than 10 m), the Bluetooth connection between the mobile phone and the vehicle will be disconnected, and the parking will be paused.
- If the parking interface of the Mengshi APP switches to background operation, or if there are other interference phenomena such as screen lock/screen off/incoming calls on the phone, the remote parking process will be paused.
- When using remote parking, please keep your phone fully charged and try to turn off the background running programs on your phone as much as possible to avoid causing your phone to lag, which may result in the inability to control the vehicle in a timely manner and pose a safety risk.
- During the remote parking process, the driver needs to constantly observe the surrounding environment of the vehicle. If the risk of collision is found, the driver shall suspend the parking through the Mengshi APP in time before getting on the car and taking over the vehicle.
- If the Mengshi APP experiences abnormality and exits, the driver needs to get on the car as soon as possible to take over the vehicle.

WARNING

- Both APA and RPA can not completely replace the driver to control the vehicle, but can only assist the driver to park, and the driver needs to be responsible for the vehicle and personal safety. During the parking, the driver should always pay attention to the surrounding environment of the vehicle, otherwise it may lead to safety risks.

Driving assistance warning system

The vehicle is equipped with various driving assistance warning systems as shown in the table below, which use MMW radar and smart front-view camera to assist you in monitoring the surrounding environment and improve driving safety. It is recommended that you do not turn them off while driving.

Name	Function introduction	Warning mode
Forward collision warning (FCW)	It monitors the risk of collision between the subject vehicle and objects such as pedestrians and vehicles ahead.	When the system determines that a collision may occur, it will trigger a collision warning, and the instrument cluster will emit visual and audible alarms to remind the driver to take timely measures, maintain a safe distance, and avoid collisions.
Front crossing traffic alert (FCTA)	It detects moving targets in the left and right areas in front of the subject vehicle. When the gear is in D position, if there is a risk of collision detected between the vehicle ahead and the crossing target, it reminds the driver to prevent collisions while driving.	When the system detects a collision risk ahead, the instrument cluster emits a warning message accompanied by a warning sound.
Rear crossing traffic alert (RCTA)	It detects moving targets in the left and right areas in the side rear of the subject vehicle. When the gear is in R position, if a collision risk is detected in the rear, it reminds the driver to prevent collisions when reversing.	When the system detects a risk of collision in the rear, the warning lamp on the exterior rearview mirror at the corresponding side lights up, and the warning icon on the corresponding side of the 540° AVM interface of the subject vehicle model lights up, accompanied by a warning sound.
Blind spot detection (BSD) and lane change warning (LCW)	They mainly monitor the adjacent lanes at the side rear of the vehicle through radar sensors, remind drivers to pay attention to driving safety in time, and give prompts when changing lanes.	During normal driving, when the side rear MMW radar detects a vehicle with a risk of collision within the warning range, the warning indicator on the exterior rearview mirror on the corresponding side will light up. If the turn signal lamp on the same side is turned on at this time, the warning lamp of the exterior rearview mirror will light up, accompanied by a warning sound, to remind the driver that changing lanes may be dangerous.
Door open warning (DOW)	It detects moving targets in the left and right areas in the side rear of the subject vehicle. When a collision risk is detected, it alerts the driver of the risk of collision when opening the door or getting off the vehicle.	When the vehicle is in a stationary state and the system detects pedestrians, moving vehicles, or moving objects approaching quickly outside the doors on both sides of the rear, the corresponding warning lamps on the exterior rearview mirror at the corresponding side will light up to remind the driver of the risk of collision when opening the door. If the door is opened at this time, the system will emit a warning sound again to remind the driver of the risk of collision.
Night vision system (NVS)	It provides clear images in extremely low visibility environments and displays detailed information of the road, providing the driver with more comprehensive and accurate road information and issuing hazard warnings in advance.	Besides, it can detect the relative distance and relative speed between the subject vehicle and the pedestrians ahead, and give corresponding alarm prompts in combination with the driver's current operation on the instrument cluster.

Name	Function introduction	Warning mode
Vehicle sound for pedestrians (VSP)	When the vehicle is running at a low speed, the low-speed pedestrian warning system will issue a warning sound for pedestrians approaching the vehicle to warn pedestrians to pay attention to safety.	The prompt sound increases with the increase of vehicle speed when the vehicle speed exceeds 0 km/h and is less than or equal to 20 km/h. The prompt sound decreases with the increase of vehicle speed when the vehicle speed exceeds 20 km/h and is lower than or equal to 30 km/h. The prompt sound automatically stops when the vehicle speed exceeds 30 km/h.

The driving assistance function is only a way to assist the driver in controlling the vehicle and is not applicable to all traffic, weather, and road conditions. Please carefully read the following system function limitations and warnings, and drive the vehicle with caution.

NOTE

- The driving assistance function is only applicable to ordinary road surfaces with good condition and signs, and may not work normally under the following conditions (including but not limited to):
  - The vehicle accelerates rapidly, decelerates sharply, or deviates from the lane. The vehicle in front urgently cuts into the lane of the subject vehicle or a person or animal suddenly intruded into the front.
  - Changes in body height (such as air suspension working, under-inflated tires, overloaded vehicle or going up and down hills, etc.).
  - Bad weather (such as insufficient light, excessive light, fog, haze, rain, heavy snow, hail, etc.).
  - Too high or too low ambient temperature or other environmental factors (such as electromagnetic field interference, etc.).
  - Passing complex road surfaces (such as curves, expressway ramps, toll booths, service areas, forks, slippery roads, snow-covered roads, ice-covered roads, road guardrails, tunnel entrances, uneven roads, lanes with bumps or potholes, etc.).
  - Passing through sections with no lane lines, or lane lines that are unclear, obstructed, worn, intersecting, or sudden lane changes (such as non-standard roads, lane line merging and separated, highway ramps, urban intersections, left turn waiting areas, intersections, construction areas, etc.).
  - Passing through sections where the distance between the lane lines on both sides is too wide or too narrow, or passing through sections with special lane lines (such as deceleration prompt lines, diversion lines, etc.).
  - There are edges or other high contrast lines on the road surface, rather than lane lines (such as road joints, curbs, etc.).
  - The lane lines cannot be recognized or are incorrectly recognized due to changes in the height (such as up and down slopes).
  - Strong light (such as oncoming headlights or direct sunlight) obstructs the camera's field of view.
  - There are clear guiding fonts in the middle of the road, which may cause inaccurate recognition of lane lines by the camera.
  - The lane lines are covered with ice and snow, reflective due to standing water, unclear, worn, missing, intersecting, blocked by shadows cast by other vehicles, surrounding environment, buildings, etc.

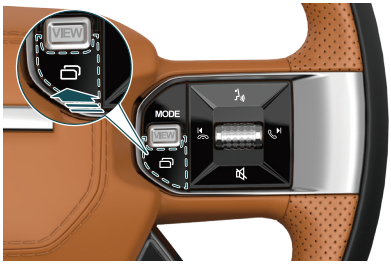
NOTE

- If the surface of the front/rear bumper (with MMW radar installed inside) or the surface of the smart front-view camera on the front windshield is dirty, blocked, bumped or damaged, it will affect the detection of the surrounding environment of the vehicle. Please deal with it in time.
- When driving the vehicle with cruise assist function, the actual vehicle speed may deviate slightly from the set cruising speed. The driver shall always pay attention to the vehicle speed and take over the vehicle in time if necessary.
- BSD and LCW may be subject to delay, and the driver needs to pay attention to the running status of the vehicle at all times.
- Vehicles running in the opposite direction of the subject vehicle in the same lane or crossing the same lane may cause AEB/FCW to work abnormally.

WARNING

- The driving assistance function cannot completely replace the driver to control the vehicle. The driver needs to be responsible for the vehicle and personal safety, pay attention to the running status of the vehicle at all times, and take over the vehicle in time if necessary, otherwise there may be potential safety hazards.
- It is strictly forbidden for non-drivers to touch the driving assistance related setting buttons. Otherwise, serious consequences may be caused.
- When the vehicle ahead suddenly brakes or changes lanes or the vehicle behind accelerates rapidly or changes lanes, the driving assistance system may not be able to make a judgment, and the driver shall take over the vehicle in time.
- Cruise assist driving function is prohibited when driving in complex conditions such as bad weather, slippery roads, congested roads or tunnels etc.
- VSP can only be turned off when the surrounding environment is such that no warning tone is required (such as in traffic congestion or on highways), and must be turned on as long as pedestrians are likely to be around the vehicle.

Tire pressure monitoring



TPMS can monitor tire pressure and temperature in real time when the vehicle is running. After the START/STOP button is turned on, the display information of the instrument cluster can be switched by pressing the menu button on the steering wheel to view the current vehicle tire pressure and temperature.

You can also view the current vehicle tire pressure and temperature in the Vehicle Center >> Vehicle Status >> Vehicle Health interface of the CSD.

Tire pressure MIL

When the system is faulty: the tire pressure MIL on the instrument cluster will go on.

- When the tire is leaking rapidly: the tire pressure MIL on the instrument cluster will go on, accompanied by a prompt message.
- When the tire pressure is abnormal: the tire pressure MIL on the instrument cluster will go on, accompanied by a prompt message.
- When the tire temperature is high: the tire pressure MIL on the instrument cluster will go on, accompanied by a prompt message.
- When the tire pressure sensor is lost: the tire pressure MIL on the instrument cluster will go on, accompanied by a prompt message.
- When the battery of the tire pressure sensor is low: the tire pressure MIL on the instrument cluster will go on, accompanied by a prompt message.

NOTE

- The tire pressure will change with the temperature, please adjust it as needed according to the tire pressure displayed on the instrument cluster and the standard pressure.
- When the vehicle is restarted after being parked for a long time, it must be driven for a certain distance to allow the tire pressure and temperature to be displayed normally.
- After the tire rotation, the TPMS needs to be re-matched. In this case, please contact the Mengshi Experience Center.
- When the vehicle is in an environment with severe signal interference (such as strong magnetic field, power grid, high-voltage lines, etc.), the TPMS may not work properly.

NOTICE

- If tire pressure and tire temperature are abnormal, the TPMS will not prevent the vehicle from driving. Before driving, please check the condition of the tires. Do not drive the vehicle if the tire pressure is significantly low. Otherwise, the vehicle or tires will be damaged and traffic accidents may occur.
- If the tire pressure and tire temperature are abnormal while driving, stop the vehicle safely to check the tire condition immediately. When the tire pressure MIL is on, please avoid sudden steering or emergency braking. You should hold the steering wheel firmly with both hands, control the direction of the vehicle, release the accelerator pedal, and lightly depress the brake pedal to decelerate until the vehicle stops safely.

DVR

DVR can record video images and sounds of road conditions in front of the vehicle, record the scenery along the way, and also provide evidence for traffic accidents.

The DVR function includes loop video and emergency video.

Loop video

With the START/STOP button on, the DVR will be enabled automatically to record the video with time. The recorded video files can be viewed in Albums >> My Albums >> Loop Video.

Loop video can be set to cover a duration of 1 minute, 3 minutes, or 5 minutes.

Emergency video

With the START/STOP button on, the DVR will enter the emergency video recording state in case of an emergency (emergency braking, airbag deployment, etc.), and store the video in the emergency video folder which can be viewed in Albums >> My Albums >> Emergency Video.

NOTE

- When the DVR is enabled, the recording function needs to be manually activated, and it is only valid for one time after activation. The driver shall activate the recording function in a timely manner.
- The videos recorded by the DVR are owned by the vehicle owner.

NOTE

- The video files in the loop video recording state will be overwritten, while the videos filed in the emergency video recording state will remain.

DVR U-disk interface



The DVR U-disk interface is located below the console.

The following conditions may lead to damage or loss of records:

- The U-disk is removed or loosened during recording.
- The DVR experiences a sudden power outage during recording.
- The DVR is damaged during recording.

NOTE

- The USB interface supports data transfer.
- It is not recommended to use this USB interface to charge the phone, as it may affect the normal use of the IHU functions.
- To ensure the normal use of the DVR, please insert the U-disk in a timely manner.

Overall dimensions



Item name		Parameter (mm)
Overall dimensions	Length	4987, 5106
	Width	2080
	High	1935, 2032
Wheelbase		2950
Wheel tread	Front wheels	1755
	Rear wheels	1755
Front suspension		980, 1033
Rear overhang		1057, 1123

Note 1: The size of the exterior rearview mirror is not included in vehicle dimensions.

Note 2: The parameters vary depending on the vehicle's optional configuration, and the actual vehicle shall prevail.

Basic performance parameters of vehicle

Mass parameters

Product model	Curb weight (kg)			GVM (kg)		
	Curb weight	Front axle load	Rear axle load	GVM	Front axle load	Rear axle load
EQ2041RMV6SHEV	3130 3270	1596 1667	1534 1603	3740	1830	1910
EQ2040RMVBEV	3293 3335	1581 1601	1712 1734	3800	1748	2052

Performance parameters

Items	Parameters	
	EV	REV
Minimum turning diameter	10.2 m	
Maximum gradeability	100%	75%
Max. speed	195 km/h, 185 km/h	191 km/h, 170 km/h

Range extender parameters *

Items	Parameters
Maximum power/torque	145 kW / 300 N·m
Alternator maximum power	100 kW
Maximum speed	5950 rpm
Total displacement	1476 mL
Discharge	China VIb-RDE

Parameters of power battery

Items	Parameters for EV	Parameters for REV
Battery type	Ternary lithium ion battery	Ternary lithium ion battery
Rated voltage (V)	381.68	352.32
Rated energy (kW h)	142.75	65.88
Rated capacity (Ah)	374	187

Parameters of drive motor

Items	Parameters of front/rear motor
Peak power (kW)	200
Peak torque (N·m)	350
Maximum operating speed (rpm)	13000
Rated voltage (V)	380

Wheel parameters

Items	Parameters		
Rim specification	8J × 20	8.5J × 20*	8.5J × 20*
Tire specification	275 / 65 R20	275 / 65 R20	295 / 60 R20*

Note: The standard pressure data label of the original tires of this vehicle is affixed to the left B-pillar.

Oil specification and volume

◆ REV

Items	Type	Specification	Capacity	
Fuel	Gasoline	92# and above	84 L	
Coolant	Drive motor	Dongfeng Castrol DF-3	8.6 L	
	High voltage battery		5.8 L	
	Range extender		8.7 L	
	Intercooler		2.2 L	
Range extender oil/cooling oil	Engine lubricating system	Dongfeng Castrol SN+ 0W-20	4.8 L (maintenance filling volume 4 L)	
	Alternator cooling system	BOT 805 CEV	1.02±0.02 L	
Electric drive assembly cooling oil	Electric drive assembly cooling system	BOT 805 CEV	Front motor	5.25±0.05 L
			Rear motor	6.45±0.05 L
Windshield washer fluid	Windscreen cleaning system	Dongfeng Castrol -20°C	4 L	
Refrigerant	A/C cooling system	R134a	800 g	
Brake fluid	Brake system	HZY6	0.97 L	

Note 1: Long-term filling of fuel with sulfur content higher than standard may result emissions. Please use fuels that meet local standards.

Note 2: The range extender oil specifications in the table are the factory filling specifications of the vehicle, and the amount used is the after-sales filling amount, which is the amount of oil added after replacement of oil filter element during maintenance. Please adjust the actual amount according to the level indicated by the oil dipstick.

◆ EV

Items	Type	Specification	Capacity	
Coolant	Drive motor	Dongfeng Castrol DF-3	9.2 L	
	High voltage battery		7.1 L	
	A/C system		2.5 L	
Electric drive assembly cooling oil	Electric drive assembly cooling system	BOT 805 CEV	Front motor	6.65±0.05 L
			Rear motor	6.45±0.05 L
Windshield washer fluid	Windscreen cleaning system	Dongfeng Castrol -20°C	4 L	
Refrigerant	A/C cooling system	R134a	1200 g	
Brake fluid	Brake system	HZY6	0.97L	

Battery

Items	Category
Battery type	12 V lithium battery
Rated capacity (Ah)	40
Rated energy (Wh)	512
Rated voltage (V)	12.8
Maximum voltage (V)	14.6

Suspension type

Front suspension	Rear suspension
Double wishbone independent suspension	Double wishbone independent suspension

Steering gear

Items	Category
Boost type	Electric assist

Brake

Items	Category
Front wheels	Ventilated disc
Rear wheels	Ventilated disc
Parking brake	EPB

Brake pedal travel

Items	Parameters
Total travel (mm)	137
Free travel (mm)	15

Technical parameters of brake lining

Items	Parameters
Wear limit of front wheel brake friction plate (mm)	2.3
Wear limit of rear wheel brake friction plate (mm)	2

Wheel dynamic balance value

Name		Residual dynamic unbalance
Front wheels	Inside (g)	10
	Outside (g)	10
Rear wheels	Inside (g)	10
	Outside (g)	10

Wheel alignment value

Name		Parameters	
		Left	Right
Front axle	Toe-in (deg)	0° 5′ ± 0° 5′	
	Camber (deg)	-0° 30′ ± 0° 30′	
	Kingpin caster angle (deg)	5° 55′ ± 0° 30′	
	Kingpin inclination angle (deg)	12° 40′ ± 0° 30′	
Rear axle	Toe-in (deg)	0° 10′ ± 0° 5′	
	Camber (deg)	-0° 30′ ± 0° 30′	