SX5G REEV 使用手册

SX5G REEV User Manual

英语

English

Dear users,

Congratulations on owning a Forthing vehicle. Thank you for your trust in Forthing brand. This Manual introduces the information on safe driving, equipment operation and vehicle maintenance of the Forthing vehicle, which will help you use the vehicle correctly and make you truly feel the driving pleasure brought by the Forthing vehicle.

The table of contents and vehicle illustrations in this Manual can help you quickly understand your vehicle. The following eleven chapters provide detailed instructions on the use of various vehicle facilities. Before using the vehicle, please read the onboard information carefully. The information provided by these materials is very important to ensure driving and property safety. Please strictly abide by and keep them properly.

When reading this Manual, you will find "Caution", "Warning" and other symbols and their instructions. These instructions help to ensure the safety of people, vehicles and property. Please strictly abide by them.

The figures and texts in this Manual are only used to convey the use information of the main functions and facilities of the vehicle, and cannot be used as the basis for product acceptance. In case of any discrepancy with the real vehicle, the real vehicle shall prevail.

Copyright notice: The contents and technical specifications in this Manual are valid at the time of publication. However, Dongfeng Liuzhou Motor Co., Ltd. reserves the right to change technical specifications and design at any time without prior notice.

Technical update description: IoV and electronic technology products are updated quickly. In order to ensure user experience, please upgrade them in time.

If you need to inquire about Forthing vehicles, please visit our Internet site:

https://www.forthingmotor.com/(official website)

Bon voyage!

Dongfeng Liuzhou Motor Co., Ltd.

November 2024

Note: The cover and pictures of this Manual are for reference only, and the real vehicle shall prevail.

Configuration description

*Asterisk

An asterisk "*" that appears after the title or name indicates that the described device or function is only equipped in some models, and the vehicle you purchased may not be equipped with it.

Safety instructions

Safety signs - affixed to the vehicle.

Safety tips - marked with hazard warning symbols and the words "Danger", "Warning" or "Caution". The meanings of these words are shown below:


Danger

It is used to indicate a hazard that may cause serious personal injury or death.


Warning

It is used to indicate hazards that may cause personal injury or other damage.


Caution

It is used to indicate the danger that may cause minor personal injury or vehicle damage.

Data security instructions

According to laws, administrative regulations and other provisions, in order to provide you with more convenient and efficient services, Dongfeng Liuzhou Motor Co., Ltd. may collect vehicle data and personal information such as VIN, drive motor code and driving behavior during your use of the vehicle or the provision of services to you. We, however, will take measures that meet legal requirements and national or industrial technical standards to protect the security of your personal information and vehicle data.

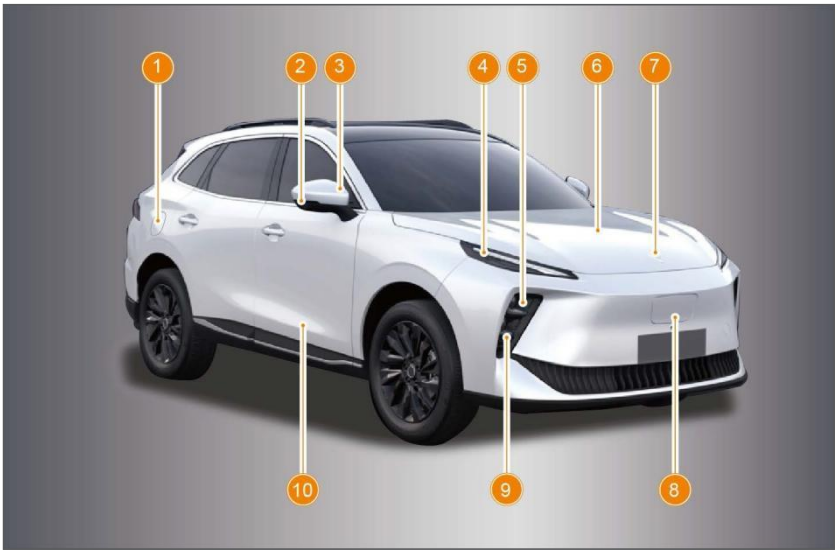
When transferring, scrapping or trading the vehicle, it is recommended that you clear the personal sensitive data in time. You can also contact the Forthing Special Service Station to obtain the data clearing channels and methods.

General Contents

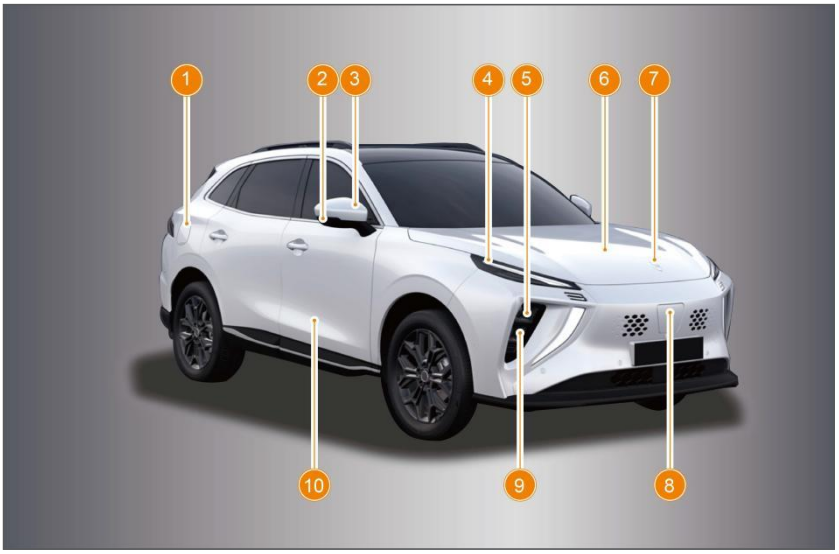
Vehicle illustration

Front of vehicle

Type I



Type II



1. Fuel filler cap
2. Side turn signal lamp
3. Outside rearview mirror
4. Front turn signal lamp/daytime running lamp/position lamp
5. Low beam
6. Engine hood
7. Front LOGO lamp
8. Charging port cap
9. High beam
10. Door

Rear of vehicle

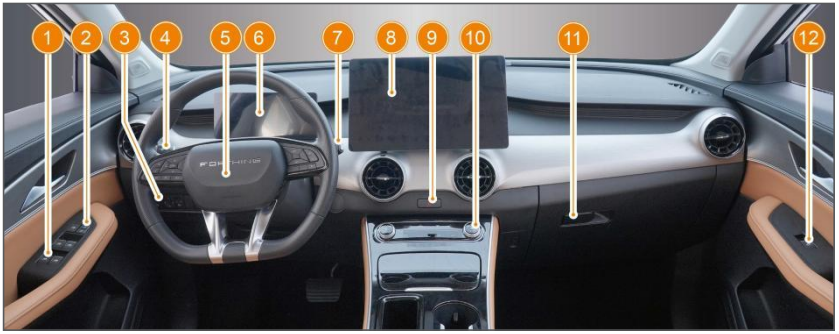
1. Luggage rack
2. Rear turn signal lamp/position lamp/brake lamp
3. High-mounted brake lamp
4. Tailgate
5. Rear wiper
6. Reversing lamp
7. Retro reflector
8. Rear fog lamp
9. License plate lamp

Interior

Interior roof

1. Left sun visor
2. Front interior lamp
3. Inside rearview mirror
4. Right sun visor

Dashboard



1. Driver's power window control switch
2. Door lock button
3. Dashboard switch block
4. Turn signal/windshield wiper switch
5. Steering wheel
6. Combination instrument
7. Shift lever
8. Infotainment system
9. Hazard warning lamp switch
10. A/C control panel
11. Glove box
12. Front passenger side power window control switch

Console

1. Central armrest box buckle
2. Upper storage box of console
3. Front passenger cup holder

Charging precautions

1. After charging, make sure that the charging interface cover is closed. If only the charging port cap is closed and the charging interface cover is not closed, water or foreign matter may enter the charging interface and prevent charging.

2. When charging the power battery, do not try to perform jump start on the 12V low-voltage battery. This may damage the vehicle or charging equipment, and even cause personal injury. For the specific method of jump start, please refer to the "Jump Start" in the "Emergency Self-help Treatment" section.

3. Do not insert objects other than the plug of the charging/discharging gun into the charging interface, which may damage the charging interface.

4. Before connecting to the portable charging gun or AC charging pile, make sure to use a dedicated charging power supply. It is recommended to use a dedicated AC line and power supply socket that meets local regulations and standards to connect the portable charging gun for charging.

5. Power battery charging temperature range: -20°C ~ 55°C.

6. The temperature of the power battery is not equal to the ambient temperature, and the temperature of the power battery is basically the same as the ambient temperature after being placed in the environment for about 12~18 hours.

7. The electrolyte of the power battery is a chemical material. Due to the composition and proportion of chemical materials, charging the power battery at low temperature may lead to its service life degradation and potential safety hazards. It is recommended to charge the power battery at a temperature above 0°C as much as possible.

8. During charging, if the power battery temperature is low, the vehicle will start the battery heating system to heat the power battery. During charging in the heating process, the vehicle will use the external power supply to heat the power battery preferentially, so the power battery SOC will not increase, increase slowly or decrease first and then increase, which is normal.

9. When the ambient temperature is lower than 0°C, please try to charge the vehicle immediately after it stops running.

10. During the charging process, if the power battery temperature is high, the vehicle will start the cooling system to cool the power battery. During charging in the cooling process, the vehicle will use the external power supply to cool the power battery preferentially, so the power battery SOC will not increase or increase slowly, which is normal. When the power of the external power supply is insufficient, the vehicle will also use the power battery and the external power supply to cool the power battery at the same time, and the power battery SOC will decrease first and then increase, which is normal.

11. Do not open or close the engine hood when the charging port cap is open.

12. This vehicle adopts the extended range technology. When the power battery SOC is insufficient, the extender starts and drives the generator to charge the power battery to increase the endurance range.

13. When the power battery temperature is low, the charging may not be full power at the beginning of the charging stage. As the power battery temperature increases, the charging power will also increase.

14. When the weather is cold, try to choose a warmer place such as the basement for charging, which can shorten the charging duration.

15. When the external power grid resumes power supply after a short-term power outage, the charging equipment will automatically restart charging (the restart charging duration may be extended). If the power outage occurs several times, please stop charging and check whether the power supply is normal.

16. During the charging of vehicle, if there is a large fluctuation in the power grid, the charging power will fluctuate, and even the charging may be suspended.

17. When the power battery SOC is full, the system will automatically stop charging.

18. In case of using a portable household AC charging gun, pull out the AC charging gun first when stopping charging, and then disconnect the power supply plug.

Caution

To prevent damage to the vehicle charging equipment, please observe the following requirements:

- Do not close the charging port cap without closing the charging interface cover.
- Do not collide with any charging equipment.

Caution

- Do not drag the charging gun and charging cable.
- Do not store or use charging equipment in places where the temperature is higher than 50°C.
- Do not place the charging equipment near heaters or other heat sources.
- Do not insert AC charging gun and DC charging gun at the same time for charging.

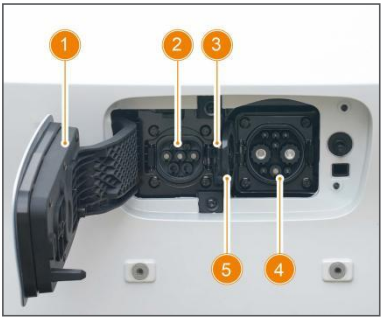
Warning

- If you use medical equipment (such as a transplanted cardiac pacemaker or a transplanted defibrillator), the equipment manufacturer must check whether it will affect the medical equipment before starting the charging operation.
- During the charging of power battery, wrong operation may cause safety accidents such as short circuit, electric shock and fire, which may endanger personal safety in serious cases.
- Do not touch the metal objects of the charging interface, charging plug or power supply plug.
- Do not use extension cables or electrical plug adapters.
- Do not disassemble or change the charging interface, portable charging gun or AC charging pile.
- Do not use charging gun, AC charging pile or DC charging pile that do not meet the requirements of national standards for charging.
- Before starting the vehicle, make sure that the charging plug has been removed from the charging interface.
- During charging, the cooling fan may start at any time. Do not let hands, hair, jewelry or clothes touch the cooling fan.
- It is forbidden to charge in the open air in thunderstorm weather. Because lightning may cause damage to the charging equipment, and immersion in heavy rain may also cause short circuit of the power battery, which may cause damage.
- If you notice an irritant odor or see smoke coming from the vehicle, please stop charging or discharging immediately and move away from the vehicle quickly.
- Before charging or discharging, please confirm that there is no water or foreign matter in the charging interface, charging plug or power supply plug, and that the charging equipment is not damaged or corroded. If any of the above conditions is found, do not charge or discharge the vehicle.
- The charging equipment must be well grounded. If the charging equipment fails or is damaged, the grounding wire can reduce the risk of electric shock.

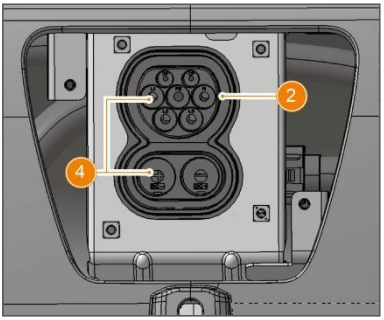
Warning

Charging interface

National standards



European standards



1. Charging port cap

2. AC charging interface

3. AC charging interface cover

4. DC charging interface

5. DC charging interface cover

The charging interface is located below the vehicle logo on the front bumper. When you need to charge, open the charging port cap and charging interface cover in turn, and connect the AC or DC charging device to the corresponding charging interface to charge.

Opening and closing of charging port cap

Normal opening

When the door is unlocked, press the right side of the charging port cap to open it. Press the buckle on the side of the charging interface cover, and the charging interface cover will pop up automatically. Connect the charging device with the corresponding charging interface.

Normal closing

After charging, pull out the charging gun, close the charging interface cover and charging port cap in turn, press the right side of the charging port cap, and close the charging port cap.

AC charging interface lock

If the vehicle is being charged and the vehicle is not in READY state, the AC charging interface is locked, press the unlocking button on the smart key or the door unlocking button twice. After the AC charging interface is unlocked, the charging gun can be pulled out normally.

DC charging interface lock

After the charging is stopped, if the DC charging interface is locked, unlock the DC charging interface according to the unlocking steps of the charging pile, and the charging gun can be pulled out normally after unlocking.

AC charging with portable charging gun

The portable charging gun is not provided to the vehicle and needs to be prepared by the owner. Please use the portable charging gun that meets local regulations and standards. The following content only introduces the use method of the portable charging gun, and the specific configuration is subject to the real vehicle.

Operation steps

1. After the vehicle is stopped, press the P button and confirm that the P position indicator on the combination instrument is on.

2. Open the charging port cap and AC charging interface cover.

3. Take out the portable charging gun.

4. Remove the shield from the plug of the portable charging gun.

5. Check whether the three-pin socket of household power supply is reliably grounded.

6. Connect the portable charging gun power supply plug to the household power supply socket.

7. Connect the portable charging gun to the AC charging interface on the vehicle.

8. During charging, the charging gun will be locked automatically. After charging, if you need to unplug the charging gun, press the unlocking button on the smart key or pull the driver's door handle with the smart key. The AC charging interface is unlocked, and the charging gun can be pulled out normally.

9. Pull the portable charging gun plug out of the household power socket, install the shield back to the portable charging gun plug and wrap the portable charging gun well and put it back to the designated position.

10. Close the AC charging interface cover and charging port cap, press the right side of the charging port cap, and close the charging port cap.

Charging duration

Due to the comprehensive influence of ambient temperature, power supply environment and other factors, the actual charging duration shall be subject to the remaining charging time displayed on the combination instrument.

Danger

During charging with a household power supply, the current that the selected socket and adapter can withstand shall not be lower than the rated current on the nameplate of the AC charging socket. Ensure that the three-pin socket of household power supply is reliably grounded, otherwise there is a risk of electric shock.

Charging with AC charging pile

The AC charging pile is not provided to the vehicle and needs to be prepared by the owner. Please use the AC charging pile that meets the local regulations and standards. For specific usage, please refer to the instructions provided with the purchased charging pile.

Operation steps

1. After the vehicle is stopped, press the P button and confirm that the P position indicator on the combination instrument is on.

2. Open the charging port cap and AC charging interface cover.

3. Remove the charging gun from the AC charging pile.

4. Connect the charging gun plug to the AC charging interface on the vehicle.

5. Start the charging function according to the operation steps and methods indicated on the AC charging pile.

6. During charging, the charging gun will be locked automatically. After charging, if you need to unplug the charging gun, press the unlocking button on the smart key or pull the driver's door handle with the smart key. The AC charging interface is unlocked, and the charging gun can be pulled out normally.

7. Turn off the power supply of the AC charging pile, and put the charging gun on the AC charging pile back to the designated position.

8. Close the AC charging interface cover and charging port cap, press the right side of the charging port cap, and close the charging port cap.

Charging duration

Due to the comprehensive influence of ambient temperature, charging pile power, power supply environment and other factors, the actual charging duration shall be subject to the remaining charging time displayed on the combination instrument.

Emergency unlocking of AC charging gun

National standards

If the AC charging gun cannot be pulled out after pressing the unlocking button on the smart key or holding the inner unlocking area of the driver's door handle with the smart key to unlock the door, pull the emergency unlocking pull ring above the charging interface out of the fixing clip, and then pull the emergency unlocking pull ring outward to unlock the AC charging gun in emergency.

European standards

If the AC charging gun cannot be pulled out after pressing the unlocking button on the smart key or holding the inner unlocking area of the driver's door handle with the smart key to unlock the door, pull the emergency unlocking pull ring above the charging interface to unlock the AC charging gun in emergency.

220V AC external discharge

The AC discharging gun is not provided to the vehicle and needs to be prepared by the owner. Please use the discharging gun that meets the local regulations and standards; otherwise it may cause vehicle failure or safety accidents.

Operation steps

1. After the vehicle is stopped, press the P button and confirm that the P position indicator on the combination instrument is on.

2. Please confirm that the battery SOC displayed on the combination instrument is greater than 10%. The discharge function cannot be used when the battery level is lower than 10%.

3. Take out the discharging gun and remove the discharging gun shield.

4. Open the charging port cap and AC charging interface cover, and connect the discharging gun plug to the AC charging interface on the vehicle.

5. Press the switch (if any) on the power strip for discharge.

Stop 220V AC external discharging

To stop the 220V AC discharge, follow the steps below:

1. Turn off the electrical equipment, and press the switch of the power strip (if any) to disconnect the power supply.

2. After the discharge is completed, if you need to unplug the discharging gun, press the unlocking button on the smart key or pull the driver's door handle with the smart key, the AC charging interface will be unlocked, press the release button on the discharging gun, and unplug the discharging gun.

3. Install the discharging gun shield, then put it back to the designated position and fix it.

4. Close the AC charging interface cover and charging port cap, press the right side of the charging port cap, and close the charging port cap.

Caution

- When the power battery SOC is lower than 10%, the discharge will stop automatically, and the AC discharge function cannot be used (in order to ensure the normal driving of the vehicle later, when the fuel tank is low, the lower limit of the power during discharge may float up to 30%).
- The 220 V AC discharging shares the same charging interface with the AC charging, so the lock and unlock operations of the discharging gun are the same as those of the AC charging gun.
- When using the AC discharge function, it is recommended to power-off the vehicle. In the ON position, the power battery power consumption of the vehicle will increase, and the remaining power battery power should be paid attention to in real time.

Warning

- Do not collide with or drag the discharge equipment, or pull the discharge cable.
- Do not store or use discharge equipment in places with water or near heat sources.
- Please use the specified discharging equipment. Other discharging equipment may cause safety accidents.
- Do not use the discharge equipment when the insulation layer is damaged or the power strip is damaged.
- When the AC discharge function is used, the total electrical power should not exceed 3.3 kW; otherwise it may cause safety accidents.

Charging with DC charging pile

The DC charging pile is not provided with the vehicle and needs to be prepared by the owner. Please use the DC charging pile that meets the local regulations and standards. The following content only introduces the usage of the DC charging pile.

Operation steps

1. After the vehicle is stopped, press the P button and confirm that the P position indicator on the combination instrument is on.

2. Open the charging port cap and the DC charging interface cover.

3. Insert the DC charging gun into the DC charging interface.

4. Perform DC charging according to the operating instructions of the DC charging pile.

5. After the charging of the vehicle is completed, the automatic control system of the DC charging pile can automatically end the current charging, or you can manually stop the charging according to the operating instructions of the DC charging pile.

6. Pull out the charging gun after charging and put it back to the designated position.

7. After charging, close the DC charging interface cover and charging port cap, press the right side of the charging port cap, and close the charging port cap.

8. During the DC charging process, if the DC charging pile detects an abnormality and stops charging, the combination instrument will display "Charging Pile Failure". At this time, it is recommended to replace the charging pile for charging. If the combination instrument still displays "Charging Pile Failure" after replacing the charging pile with a different one for charging, it is recommended to contact the Forthing Special Service Station for inspection of the vehicle.

Charging duration

Due to the comprehensive influence of ambient temperature, charging pile power, power supply environment and other factors, the actual charging duration shall be subject to the remaining charging time displayed on the combination instrument.

Caution

- It is recommended to use a DC charging pile that meets local regulations and standards for DC charging. Otherwise, it may cause failure or fire, resulting in casualties.
- Before starting DC charging, please read the operating instructions on the DC charging pile carefully, and use the DC charging pile in strict accordance with the operating instructions.
- It is strictly forbidden to plug and unplug the DC charging gun at will during charging. To stop charging, please strictly follow the operating instructions on the DC charging pile.
- After the charging is stopped, the DC charging pile will still operate for a period of time, and the DC charging gun will be pulled out after the charging pile stops operating.
- According to the characteristics of the power battery, it is recommended to fully charge the battery at least once a week after frequent use of the vehicle. If the full charge is not performed after long-distance driving, the SOC may rise rapidly in the latter stage of charging, the duration of the end stage of charging may be long, or the SOC may drop rapidly in the end stage of discharging. The above conditions are normal and do not damage the power battery.

Charging reservation

Enter the energy center reservation interface

Click the [Charging Reservation] function card on the left side of the infotainment system homepage content area to enter the energy center reservation interface.

Make reservation settings

1. Click [Slow Charging Reservation] in the energy center to turn on or off the charging reservation function.

2. After the slow charging reservation function is enabled, click [Set Time] to enter the charging reservation setting time interface.

3. You can choose to make a single or daily reservation, and set the start and end charging times of reservation as needed.

4. After the reservation is successful, the infotainment system will prompt that the charging reservation has been started and display the time when the charging will be started.

Caution

If any of the following conditions exist, it will not be possible to make a charging reservation:

- The vehicle is not in the ON position.
- The outside temperature is less than 5°C.
- The infotainment system cannot receive a valid external temperature signal.
- When the vehicle is charging within the reserved time period, if the charging gun is not pulled out but there is no AC power, the reservation will continue to be timed.
- The start time set for the charging reservation cannot be earlier than the current time.

Remaining charging time

The remaining charging time can be viewed through the infotainment system.

Caution

To ensure the best performance of the power battery, the charging system will automatically adjust the charging duration according to the temperature changes.

Charging limit setting

In the energy center interface, click [Charging Limit] to adjust the charging limit range between 80% and 100%.

Troubleshooting for common charging faults

Symptoms	Possible causes	Solution
Unable to be charged or discharged at 220V	The vehicle is not in P position	Set the position in P position before charging.
	Both AC charging gun and DC charging gun are connected	AC charging and DC charging cannot be carried out at the same time, and only one of them can be used.
	The charging equipment is not properly connected	Check whether the charging equipment is properly connected and charged in the correct way.
	The temperature of the power battery is too high or too low	Check the power battery temperature to ensure that the power battery temperature is within the allowable range. If it is too hot or too cold, cooling or heating is required before charging.
	12V low-voltage battery voltage is too low	If the 12V low-voltage battery voltage is lower than 9V, the 12V low-voltage battery shall be charged or the vehicle shall be jump started before charging. Please refer to "Jump Start" in the "Emergency Self-help Treatment" section.
	The vehicle is faulty	If the vehicle is faulty, please confirm whether the warning lamp on the combination instrument is on or indicates a charging fault. If a warning or a prompt indicating a charging fault is displayed, stop charging and contact the Forthing Special Service Station.
Unable to be charged	The power battery has been charged to the set level	If the battery has been charged to the set level, the charging cannot be continued. Please reset if you need to continue charging.
	Charging power supply is not grounded	Check whether there is a relevant fault display. If the relevant fault is displayed, stop charging and contact the Forthing Special Service Station.
	Charging power supply is not powered normally	
	The power supply conforming to the local power grid is not used	Check whether there is a relevant fault display. If the relevant fault is displayed, stop charging and contact the Forthing Special Service Station.
	The power battery is saturated	Unplug the charging gun and start the vehicle. Check whether the vehicle power meter shows 100%. If 100% is displayed, the power battery SOC is full and the charging is stopped.
	Charging reservation is set	Check whether the charging reservation is set and the reservation time has not yet reached. If it has been set, please turn off the charging reservation or wait for the reservation time. Refer to the content of "Charging Reservation" in this section.
	Fast charging pile failure	Check whether the combination instrument cluster indicates charging pile failure. If "Charging Pile Failure" is displayed, it indicates that the failure is caused by abnormality of the fast charging pile. It is recommended to replace the charging pile for charging. If "Charging Pile Failure" is still displayed after replacement, it is recommended to contact the Forthing Special Service Station for inspection.

Symptoms	Possible causes	Solution
Unable to be charged	Charging facilities do not meet the requirements of the national standard	Use portable charging gun that meets the national standard or charging pile that meets the national standard for charging.
Unable to perform the charging reservation function	Charging gun not connected	Connect the charging gun in the correct way.
	The immediate charging switch has been pressed	When immediate charging is selected, charging reservation is not possible.
	No charging reservation timer is set	Set the charging reservation timer schedule. Refer to the content of "Charging Reservation" in this section.
	The charging reservation function is not set correctly	Please operate in the correct order to make a Charging Reservation. Refer to the content of "Charging Reservation" in this section.
Charging stops halfway	The power supply is disconnected	Check whether the power supply is disconnected. If it is disconnected, connect the power supply and then perform the charging steps again for charging.
	The charging gun has been disconnected	Check whether the charging gun is disconnected. If it is disconnected, connect it and then perform the charging steps again for charging.
	Power battery overtemperature	Check the power battery temperature to ensure that the power battery temperature is within the allowable range. If it is overheated, please cool it down for a period of time before recharging.
	The pause or stop button in the charging equipment has been pressed	Check whether the pause or stop button on the charging equipment is pressed. If pressed, the charging equipment shall be started for recharging.
	The vehicle is faulty	If the vehicle is faulty, please confirm whether the warning lamp on the combination instrument is on or indicates a charging fault. If a warning or a prompt indicating a charging fault is displayed, stop charging and contact the Forthing Special Service Station.
Discharging stops halfway	The power supply is disconnected	Check whether the power supply is disconnected. If it is disconnected, connect the power supply and then perform the discharging steps again for discharging.
	The discharging gun has been disconnected	Check whether the discharging gun is disconnected. If it is disconnected, connect it and then perform the discharging steps again for discharging.
	Power battery overtemperature	Check the power battery temperature to ensure that the power battery temperature is within the allowable range. If it is overheated, please cool it down for a period of time before discharging.
	The vehicle is faulty	If the vehicle is faulty, please confirm whether the warning lamp on the combination instrument is on or indicates a charging fault. If a warning or a prompt indicating a charging fault is displayed, stop charging and contact the Forthing Special Service Station.

Seat belt

Introduction to seat belt

In the event of an accident caused by emergency brake, sudden steering and collision, the seat belt will restrain the driver and passengers to the seat to prevent the body from rushing forward, thus protecting the driver and passengers from secondary collision. Correct use of seat belt can reduce injuries to people in the car.

Caution

- Before driving the vehicle, make sure that all occupants in the vehicle have properly worn the seat belt and always use it during driving. The seat belt can protect the driver and passengers from accidents to the greatest extent.
- The seat belt on the vehicle is mainly designed according to the adult body shape. If children need to take the vehicle, please select and install the appropriate child protection device according to the age and body shape of the children.
- If the seat belt or retractor is damaged or abnormal, please contact the Forthing Special Service Station immediately for confirmation and treatment. Do not use the corresponding seat before treatment.

Seat belt retractor

Each seat belt is equipped with a seat belt retractor. During normal driving, the retractor keeps the seat belt under a certain tension, and the driver and passengers can still move freely on the seats. In case of emergency, the retractor will be automatically tightened to fix the driver's body on the seat to avoid injury. If the retractor locking function is abnormal, please contact the Forthing Special Service Station in time.

Warning

Users are not allowed to repair, adjust, disassemble and assemble seat belts and retractors without permission. If repair or replacement is required, please contact the Forthing Special Service Station.

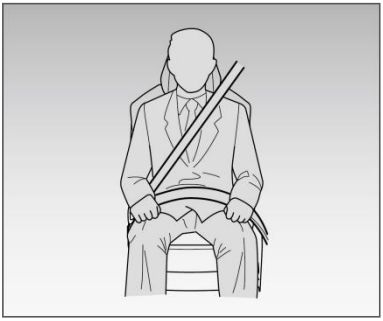
Seat belt unfastened alarm

The vehicle is equipped with front seat belt unfastened warning, and some models are also equipped with a rear seat belt unfastened warning. When the vehicle is started but not running, if it is detected that the front or rear driver and passenger are not wearing seat belts, the front or rear seat belt warning lamp on the combination instrument will be on; When the vehicle detects that the front or rear driver and passenger are not wearing seat belts during driving, the front or rear seat belt warning lamp on the combination instrument will light up, and the buzzer will continue to alarm until the front or rear driver and passenger fasten the seat belt.

Precautions for seat belt

Please read the following contents carefully and strictly abide by them, which will help you master the correct operation method.

Proper use of seat belt



1. Stretch the shoulder seat belt and cross it diagonally across the shoulder, but do not touch the neck or slip off the shoulder.

2. The waist seat belt shall be as low as possible across the hip.

3. Adjust the position of the seat backrest so that the backrest is in a relatively comfortable position.

Caution

- Be sure to wear the seat belt correctly.
- Do not wear the seat belt across the lower abdomen; otherwise, in case of accident, the seat belt will heavily press the lower abdomen.

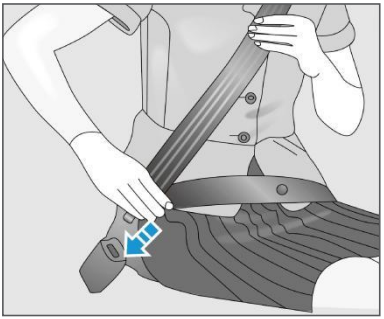
Caution

- Do not place the shoulder seat belt under the arm.
- The seat belt shall be tightened as much as possible. Loose seat belt will slide from the harder part of the body to the softer part (such as abdomen), increasing the risk of injury.

Warning

- Incorrect wearing direction of the seat belt may cause injury in the event of an accident or sudden emergency braking and driving operation.
- The shoulder part of the seat belt must pass through the middle of the shoulder. Do not pass it under the arm or from the neck.
- The waist seat belt must pass in front of the hip. Do not pass it from the abdomen. The seat belt must be flat and close to the hip. If necessary, tighten the seat belt slightly.
- Pregnant women should also, like other passengers, cross the seat belt as low as possible across the hip, and stretch the shoulder seat belt diagonally along the shoulder, and avoid the seat belt touching the bulging abdomen. If the seat belt is not fastened properly, the pregnant woman and fetus may be injured in case of emergency braking or collision.
- Do not tilt the seat backrest excessively when the vehicle is running. The seat belt can only provide effective protection when the seat backrest angle is about 25°, otherwise it may cause serious injury or death in the event of an accident.
- Do not pull the seat belt away from your body by hand.
- Do not twist the seat belt when wearing it.
- The seat belt shall not be tied to hard or fragile objects, such as glasses, ballpoint pens or keys. Do not change the wearing direction of the seat belt by seat belt clips, anchor rings or similar items.

Fastening or loosening the seat belt



Fastening: Pull seat belt out from the retractor, pass seat belt across the chest and hips, insert the locking tongue into the buckle until you hear a "click", indicating that seat belt is locked.

Loosening: Press the red releasing button on the buckle socket and pull out the tongue.

Seat belt related work

1. Check the status of all seat belt regularly .

2. Keep seat belt clean .

3. Do not allow the seat belt, tongue and seat belt buckle socket to come into contact with liquids or foreign objects.

Airbag

Introduction to airbag

SRS is an auxiliary restraint device of the seat belt. When the vehicle is involved in a frontal or side collision to the extent that the airbag deployment requirements are met, the airbag will be inflated and deployed to reduce the impact injury to the head and chest of the driver and passengers.

The airbag is only designed to provide additional protection. Airbag is not a substitute for seat belt, and seat belt must be fastened at all times.

Airbag function and description

In the event of frontal and side collision, the airbag can suppress the movement of passengers in the direction of collision , thereby protecting the occupants.

The key factors affecting the triggering of the airbag are the type of accident, the angle of collision, the speed of the vehicle and the characteristics of the object colliding with the vehicle. Therefore, the airbag is not triggered in every vehicle collision accident.

Warning

- All drivers and passengers must wear seat belt correctly and keep correct sitting posture during driving.
- The SRS can only be triggered once, and the airbag triggered by accident must be replaced.
- Do not attempt to modify any part of the SRS.
- The airbag can only provide auxiliary protection function. Do not rely solely on the airbag for protection.

Precautions for use of airbag

1. There is an airbag warning label on the right sun visor. Do not place a rear-facing child safety seat on a seat protected by the airbag (in the activated state); otherwise, in the event of a collision, the inflating front airbag will hit the child with great impact and cause serious injury.

2. Do not place any objects on the dashboard or stick them on the steering wheel trim cover, etc., because when the airbag is deployed, these objects may be ejected, causing injury or death to the driver and passengers.

3. Do not hang clothes hangers or other hard objects on the side wall hook. When the front side airbag is deployed, these items may pop out and cause injury or death to passengers.

4. Do not carry items on the front passenger seat. When the vehicle brakes suddenly or the driver performs emergency driving operation, these objects may enter the deployment zone of the airbag and be thrown away when the airbag is triggered, which may cause danger to life.

5. Do not hold objects in your hands or hold children, pets, etc. in your arms while the vehicle is running; otherwise the risk of injury will increase when the airbag is triggered.

6. Do not touch any related parts immediately after the airbag is deployed.

7. When the airbag is deployed, a loud noise will be heard, which may temporarily affect the hearing.

8. If you feel difficulty in breathing after the airbag is deployed, please open the door or window for ventilation, or leave the vehicle under the condition of ensuring safety, and clear the residue on your body as soon as possible to avoid skin irritation.

9. Do not use cleaning agents containing solvents to clean surfaces of the dashboard and airbag modules. Otherwise, the surface of the airbag module will change, which will increase the risk of personal injury by the fallen plastic parts when the airbag is triggered.

10. If the part where the airbag stays is damaged or broken, please contact the Forthing Special Service Station for replacement.

Location and deployment of airbag

Front airbag

1. Driver airbag

2. Front passenger airbag

The front airbag helps protect the head and chest of the driver and front passenger from impact by interior parts of the vehicle.

Front side airbag

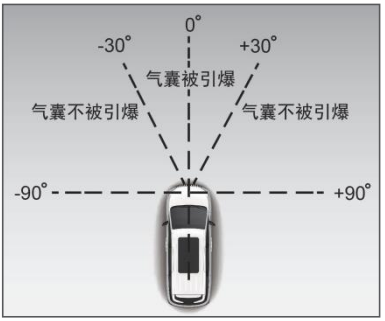
The front side airbag is installed in the backrests of the driver seat and the front passenger seat; The seat back is marked with "SRS AIRBAG". In case of moderate to severe side impact, the front side airbag is inflated to reduce the risk of injury by working together with the seat belt.

Warning

Since the front side airbag has considerable speed and force when it deploys, it is forbidden to get your head close to the deployment area of the side airbag when the vehicle is running, otherwise you may be injured.

Deployment conditions of front airbag

The front airbag deploys when the vehicle has a head-on collision with a solid wall at a speed of 25 km/h or higher.



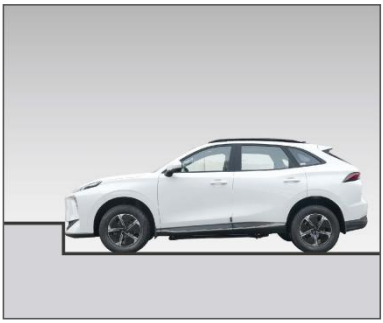
The front airbag deploys in the event of a severe impact within ±30 degrees of the front of the vehicle.

Deployment conditions of front side airbag

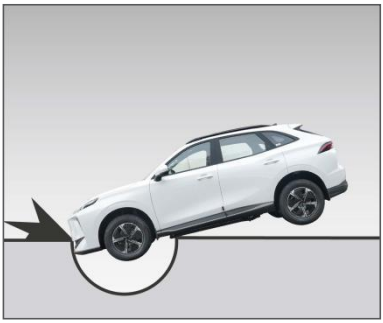
When the vehicle is in a moderate to severe side collision and reaches the design value, the front side airbag and side curtain airbag can deploy.

Situations that the front airbag may not deploy

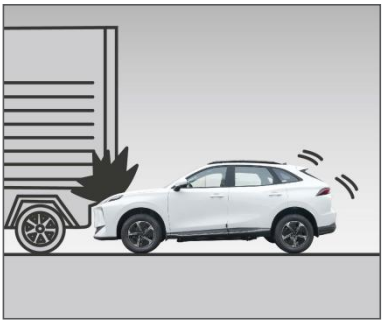
The vehicle does not start or collides with trees, poles and other easily deformed objects.



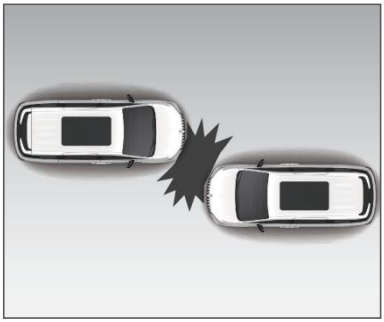
The running vehicle collides heavily with low objects such as steps.



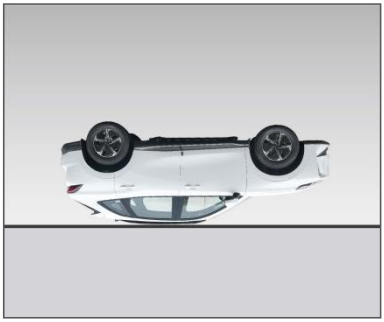
The vehicle suddenly falls into a deep pit or trench.



The vehicle collides with the rear of the truck and enters the truck cockpit.



The vehicle collides with a stationary vehicle with the same weight or the impact direction and impact point deviate from the vehicle center by more than 30 degrees.



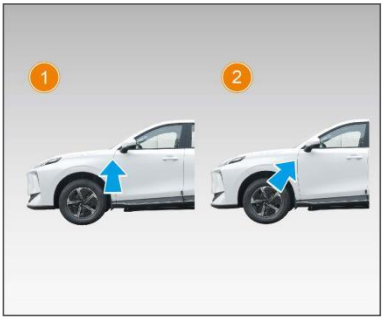
Turn-over.

Side collision, rear collision, minor head-on collision.

The SRS is faulty.

Other special circumstances.

Several types of collisions in which front side airbag may not deploy



1. Side collision of the body other than the passenger compartment

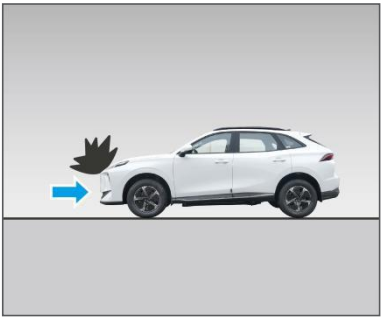
2. Side collision at an angle to the body

If the side collision suffered by the vehicle is at an angle to the body, or the body part suffering side collision is not the passenger compartment, the front side airbag may not deploy.

1. Rear collision

2. Turn-over

The front side airbag may not deploy if the vehicle is subject to rear collision, rollover, or low-speed side collision.



If the vehicle suffers a head-on collision or a collision close to the front, the front side airbag may not deploy.

SRS indicator lamp

Before the vehicle is driven and after the vehicle is powered on, SRS will perform a self-check and airbag malfunction indicator lamp will be on and turn off after a few seconds.

If the following situations occur, please contact Forthing Special Service Station:

1. After the vehicle is powered on, SRS indicator lamp is not on.

2. After the vehicle is started, SRS indicator lamp is still on.

3. SRS indicator lamp during driving is on or flashes.

Event data recorder (EDR)

The vehicle is equipped with an event data recorder (EDR), which can be used for collision analysis. The specific parameters are shown in the table below:

S/N	Parameter name	Meaning	Unit
1	Longitudinal delta-V	Change of longitudinal velocity of the vehicle.	km/h
2	Maximum recorded longitudinal delta-V	Maximum cumulative change of longitudinal vehicle speed.	km/h
3	Maximum recorded longitudinal delta-V time	The time to reach the maximum cumulative change of longitudinal vehicle speed.	ms
4	Clipping mark	It indicates the time point when EDR collects the acceleration (lateral and longitudinal) for the first time to reach the sensor range.	ms
5	Vehicle speed	Wheel-side linear speed.	km/h
6	Service brake, ON or OFF	It is used to detect whether the driver has stepped on the brake pedal.	/
7	Driver's seat belt state	State of the driver's seat belt buckle switch.	/
8	Accelerator pedal position, percentage of fully open position	The percentage of the actual position of the accelerator pedal to the position where the driver depresses the accelerator pedal to the full extent.	/
9	Revolutions per minute	Revolutions per minute of extender main crankshaft	r/min
10	Power-on cycle in the event	The number of power cycles of the ECU recording EDR data from the first use of the ECU recording the EDR data to the occurrence of the event.	Interval
11	Power-on cycle during reading	The number of power cycles of the ECU recording EDR data from the first use of the ECU recording the EDR data to the time of reading.	Interval
12	Event data record integrity state	Whether the event is completely recorded.	/
13	Time interval between this event and the last event	Time interval between two events.	s
14	VIN	Vehicle VIN.	/
15	ECU hardware number for recording EDR data	Hardware number of the EDR device.	/
16	ECU serial number for recording EDR data	Product serial number of the EDR device.	/
17	ECU software number for recording EDR data	Software number of the EDR device.	/
18	Longitudinal acceleration	The component of the vector acceleration at a point on the vehicle in the X-axis direction.	g
19	Lateral acceleration	The component of the vector acceleration at a point on the vehicle in the Y-axis direction.	g

S/N	Parameter name	Meaning	Unit
20	Lateral delta-V	Change in vehicle lateral velocity. The lateral delta-V is only the component of the total delta-V in the Y-axis direction.	km/h
21	Maximum recorded lateral delta-V	EDR records the maximum cumulative change of vehicle speed in Y-axis direction.	km/h
22	Maximum recorded resultant delta-V squared	Maximum value of the sum of squares of longitudinal delta-V and lateral delta-V recorded by EDR.	km/h* km/h
23	Time to reach the maximum recorded lateral delta-V	EDR records the time taken for the cumulative change of vehicle speed in the Y-axis direction to reach the maximum value.	ms
24	Time to reach the square of the maximum recorded resultant delta-V	The time taken for the sum of squares of longitudinal delta-V and transverse delta-V recorded by EDR to reach the maximum value.	ms
25	Yaw velocity	Changes in vehicle angle relative to the Z-axis before and during the event, which are applicable to the vehicle with ESC.	Degree/s
26	Steering angle	The angular coordinates of the steering wheel are applicable to the vehicle with steering angle sensor.	Degree
27	Tend	End of the impact event: if this condition is not met until the end of the recording period, Tend can be defined as the moment of the last recorded data point.	ms
28	Year	The year the event occurred.	/
29	Month	The month in which the event occurred.	/
30	Day	Date when the event occurred.	/
31	Hour	The hour on the day when the event occurred.	/
32	Minute	The hour on the day when the event occurred.	/
33	Second	The hour on the day when the event occurred.	/
34	Position	The actual gear position, which is applicable to the vehicle with the signal connected to busbar.	/
35	Engine throttle position, percentage of fully open position	Engine throttle position, percentage of fully open position.	%
36	Brake pedal position	The actual position of the brake pedal, which is applicable to the vehicle with a brake pedal position sensor.	%
37	Parking system state	It is used to detect whether the parking brake is activated, and is suitable for the vehicle with the parking system state information connected to busbar.	/
38	Turn signal switch state	It is used to indicate the state of the vehicle switch controlling steering or lane change intention, and is applicable to the vehicle with the steering signal connected to busbar.	/
39	Deployment time of driver's seat belt pretensioner	The time elapsed from the start of the event to the driver's seat belt pretensioner issuing an ignition command.	ms
40	Driver front airbag deployment time (first stage)	The time elapsed from the start of the event to the driver's front airbag issuing an ignition command in the first stage.	ms

S/N	Parameter name	Meaning	Unit
41	Driver front airbag deployment time (second stage)	The time elapsed from the start of the event to the driver's front airbag issuing an ignition command in the second stage.	ms
42	Driver side airbag deployment time	The time elapsed from the start of the event to the driver's side airbag issuing an ignition command.	ms
43	Deployment time of driver side curtain	The time elapsed from the start of the event to the driver's side curtain issuing an ignition command.	ms
44	Front passenger seat belt state	The state of the front passenger seat belt buckle switch, which is suitable for vehicles with seat belt reminders.	/
45	Deployment time of front passenger seat belt pretensioner	The time elapsed from the start of the event to the front passenger seat belt pretensioner issuing an ignition command.	ms
46	Front passenger front airbag suppression state	The suppression state of the front passenger front airbag, which is applicable to the vehicle with front airbag suppression switches.	/
47	Deployment time of front passenger front airbag (first stage)	The time elapsed from the start of the event to the front passenger front airbag issuing an ignition command in the first stage.	ms
48	Deployment time of front passenger front airbag (second stage)	The time elapsed from the start of the event to the front passenger front airbag issuing an ignition command in the second stage.	ms
49	Deployment time of front passenger side airbag	The time elapsed from the start of the event to the front passenger side airbag issuing an ignition command.	ms
50	Deployment time of front passenger side curtain	The time elapsed from the start of the event to the front passenger side curtain issuing an ignition command.	ms
51	Occupant protection system alarm state	Occupant protection system fault state, which is applicable to the vehicle with the occupant protection system alarm state information connected to busbar.	/
52	Tire pressure monitoring system alarm status	The alarm state when the on-board TPMS detects that the tire pressure of one or more tires is low, which is applicable to the vehicle with the alarm state information connected to busbar.	/
53	Brake system alarm state	Brake system fault state, which is applicable to the vehicle with the alarm state information connected to busbar.	/
54	Cruise control system state	Operation state of cruise control system.	/
55	ACC system state	Operating state of the ACC system.	/
56	ABS state	Operating state of the anti-lock brake system, which is applicable to the vehicle with the anti-lock brake system state information connected to busbar.	/
57	State of automatic emergency brake system	Operating state of the automatic emergency brake system.	/
58	State of electronic stability control system	Operating state of the electronic stability control system.	/
59	State of traction control system	Operating state of the traction control system.	/
60	Pre-event synchronization timing time	Relative time from the last data sampling point before T0 to T0, which is applicable to the vehicle with pre-event synchronous timing function. It is used to align different data in time.	ms

The EDR system is integrated in the airbag controller, and the recorded data can be extracted through the special diagnostic equipment of the Forthing Special Service Station.

The vehicle speed recorded by the EDR system comes from the wheel line speed of the anti-lock brake system (ABS) in the vehicle.

The data recorded by the EDR system is divided into non-locking event data and locking event data. Among them, the former is the data recorded when the EDR recording conditions are met but SRS deployment conditions are not met. The latter is the data recorded when the SRS deployment conditions are met. The non-locked event data overwrites the previous non-locked event data in chronological order; The locked event data cannot be overwritten by the data of subsequent events, and event data can be recorded three times.

Protective measures for children

Safety instructions for children

Be sure to read this chapter before children are riding in the vehicle.

Suitable protective devices should be used for children.

When a child is too young to wear a seat belt, he or she shall be placed in an approved child protective device in the rear row.

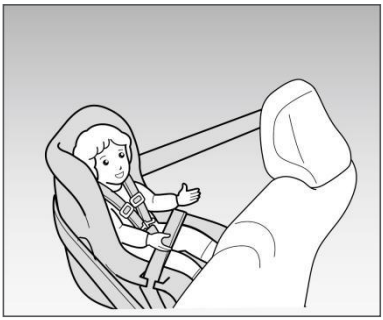
Older children must be protected by a three-point seat belt and, if necessary, an auxiliary safety seat cushion should be installed.

It is recommended that children sit in the rear seat. During driving, please use the rear door child safety lock or window lock switch to prevent children from opening the door or accidentally operating the power window.

Warning

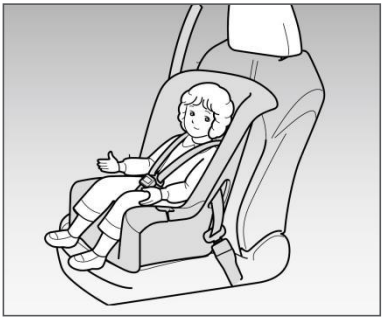
- Do not leave children alone in the vehicle. Otherwise, children may be injured or killed in a closed vehicle due to excessive temperature.
- When the vehicle is running, it is forbidden to let children kneel on the seat or stand in the vehicle.
- Do not allow children to carry or use smart key. Children may start the vehicle or shift to the N position.
- Children may also injure themselves when playing with window, panoramic sunroof or other vehicle equipment.
- Please use the child safety lock to prevent children from opening the rear door and being thrown out of the vehicle accidentally.

Protective measures for infants



The neck of infants under one year old is very fragile. If they are seated facing forward, it is easy to cause neck injury in case of head-on collision. Therefore, it is recommended to use rear-facing child protective devices.

Protective measures for young children



According to the weight and height requirements specified by the child protection device manufacturer, children over one year old shall use forward-facing child protection devices when riding.

Protective measures for older children

It is recommended that all children under 12 years of age sit in the rear seat and be protected. If the seat belt does not fit well, an auxiliary seat cushion can be installed for the child.

Child protection device (provided by the user)

The child protection device shall be provided by the user. Please use the child protection device that meets local regulations and standards .

Applicability of child seat

In addition to the three-point seat belt for children, the rear seat also provides child restraint system with two standard "ISOFIX" interfaces, which can be selected as required.

The child restraint systems (CRS) applicable to this vehicle and their installation positions are shown in the table below.

Mass group	Seating position			
	Front passenger	Rear row left	Rear row right	Rear middle
Group 0 (less than 10 KG)	X	U	U	X
Group 0+ (less than 13 KG)	X	U	U	X
Group I (9 kg to 18 kg)	X	U	U	X
Group II (15 KG to 25 KG)	X	U	U	X
Group III (22 KG to 36 KG)	X	U	U	X

The keywords in the above table have the following meanings:

U: applicable to general-purpose child restraint system certified by this mass group.

X: This seat position is not applicable to the child restraint system of this mass group.

If the child restraint system of "ISOFIX" standard is adopted, the adaptability information between the system and the vehicle is shown in the table below.

Mass group	Size classification	Fixing module	ISOFIX position on the vehicle			
			Front passenger	Rear row left	Rear row right	Rear middle
Carry-cot	F	ISO/L1	X	X	X	X
	G	ISO/L2	X	X	X	X
Group 0	E	ISO/R1	X	IL	IL	X
Group 0+, less than 13 KG	E	ISO/R1	X	IL	IL	X
	D	ISO/R2	X	IL	IL	X
	C	ISO/R3	X	IL	IL	X
Group I (9 kg to 18 kg)	D	ISO/R2	X	IL	IL	X
	C	ISO/R3	X	IL	IL	X
	B	ISO/F2	X	IUF	IUF	X
	B1	ISO/F2X	X	IUF	IUF	X
	A	ISO/F3	X	IUF	IUF	X

The keywords in the above table have the following meanings:

IUF: Applicable to forward general-purpose ISOFIX child restraint system certified by this mass group.

IL: Suitable for special ISOFIX child restraint system. These restraint systems may be of special vehicle categories, restricted categories or semi-universal.

X: This position is not applicable to ISOFIX child restraint system of this mass group or size category.

A-ISO/F3: Full-height forward-facing toddler restraint systems.

B-ISO/F2: Reduced-height forward-facing toddler restraint system.

B1-ISO/F2X: Reduced-height forward-facing toddler restraint system.

C-ISO/R3: Full-height rearward-facing toddler restraint systems.

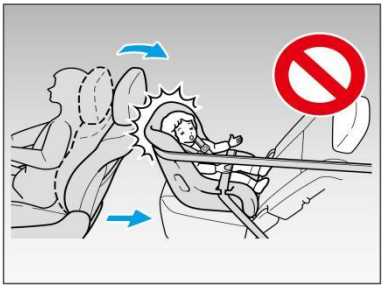
D-ISO/R2: Reduced-height rearward-facing toddler restraint systems.

E-ISO/R1: Rearward-facing infant restraint systems.

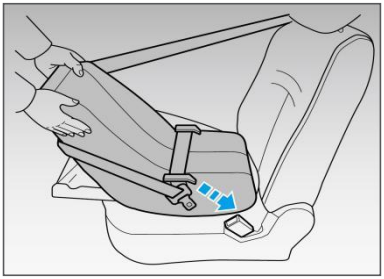
F-ISO/L1: Child restraint system (carry-cot) for the left facing position.

G-ISO/L2: Child restraint system (carry-cot) for right-facing position.

Installation of rear-facing child protection device

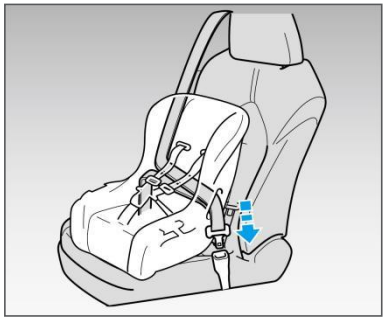


If the driver's seat interferes with the proper installation of the rear-facing child protection device, the rear-facing child protection device should be installed on the rear right seat.



According to the instructions provided by the manufacturer, pass the seat belt through or around the rear-facing child protection device, insert the tongue into the buckle, ensure that the seat belt is not twisted and kept tight, confirm that the tongue and buckle are locked firmly, and shake it from side to side to ensure that the child protection device is fixed firmly.

Installation of forward-facing child protection device



According to the instructions provided by the manufacturer, pass the seat belt through the forward-facing child protection device and insert the tongue into the buckle, ensuring that the seat belt is not twisted and remains tight. Make sure that the tongue and buckle are securely locked, press the child protection device against the seat cushion and seat back to fully retract the seat belt, so that the child protection device is tightly fixed, and shake it from side to side to ensure that the child protection device is firmly fixed.

Installation of auxiliary seat cushion

Place the auxiliary seat cushion on the seat, let the child sit on the auxiliary seat cushion, properly cross the seat belt across the child's shoulder according to the instructions provided by the manufacturer, lower the seat belt at the waist as low as possible to the child's hip position, and then insert the tongue into the buckle to ensure that the seat belt is not twisted and remains tight.

Installation of ISOFIX interface

Child safety device of standard ISO specifications can be fixed by ISOFIX interface. Please follow the operation instructions and safety precautions of the child protection device manufacturer during installation and use, otherwise the protection effect may be affected.

1. Find the ISOFIX interface position in the gap between the rear seat cushion and the backrest.

2. Align the ISOFIX interface of the child safety device with the corresponding ISOFIX interface at the bottom of the seat cushion, insert into the rigid interface, and fasten the elastic interface.

3. Pass the hook of the child safety device through the side of the seat headrest, fasten it to the anchor support on the back of the seat, and fasten the top strap to ensure that it is fastened.

Warning

- The front airbag in inflation will generate huge impulse, which will cause serious injury or death to children if they are hit. Therefore, please select, install and use the child protection device correctly, and ride the vehicle safely according to relevant requirements. In any case, comply with the laws and regulations of the country where you drive.
- Do not share a seat belt with infants and young children. Otherwise, it is very easy to cause death of infants and young children in case of accident.
- Do not allow two children to share one child safety seat.

Warning

- Please follow the instructions provided by the manufacturer to place the appropriate child safety device on the rear seat. Incorrectly installed child safety seat can cause injury.
- All drivers and passengers, especially children, must always keep correct sitting posture and fasten the seat belt during driving.
- Ensure that there are no hard or sharp objects on the child safety seat, such as toys.
- Older children shall sit on the rear seat as much as possible and wear seat belt. If necessary, auxiliary seat cushion shall be added.
- If the child restraint system is not installed, children under 1.5 meters in height shall not use the conventional seat belt. Otherwise, the emergency brake or accident may cause injury to the child's abdomen and neck.
- Do not twist the seat belt, make it stuck somewhere or rub it with sharp edges.

Warning lamps and indicator lamps

Warning and indicator lamps inform the driver of the state of the vehicle's systems.

Warning lamp

The warning lamp alerts the driver that some of the vehicle's systems may be malfunctioning.

Low fuel level warning lamp

When the fuel is about to run out, this lamp will come on to indicate that the fuel is too little. Please add the fuel as soon as possible.

High coolant temperature warning lamp

During normal driving, if this lamp is always on, it indicates that the coolant temperature of the extender is too high. Please slow down and park safely on the side of the road, open the engine hood and stop for a while. Do not drive until the coolant temperature drops to the normal range. The speed shall not exceed 40 km/h during driving, and contact the Forthing Special Service Station as soon as possible.

TPMS malfunction warning lamp

When the tire pressure/tire temperature is abnormal, this lamp will come on. Please park the vehicle in a safe place in time, adjust the tire pressure or restore the tire temperature to normal. If this lamp is still on after the above operation, please contact the Forthing Special Service Station in time.

When the TPMS is unmatched or the sensor signal is lost, this lamp will flash. Please contact the Forthing Special Service Station in time.

EPB malfunction warning lamp

This lamp will go on when the parking system is faulty. When the signal of the EPB system is lost, this lamp will flash. Please contact the Forthing Special Service Station in time.

12V low-voltage battery charging abnormal warning lamp

When the 12V low-voltage battery is charged abnormally, this lamp will come on. At this time, please turn off all unnecessary electrical equipment or depress the brake pedal to make the vehicle enter the READY state. If the lamp stays on, please contact the Forthing Special Service Station in time.

Steering power system malfunction warning lamp

When the electric power steering system has a slight fault, this lamp will light up in orange; When a serious fault occurs, this lamp turns red.

If this lamp is on when the vehicle is running, please reduce the speed and park the vehicle safely on the side of the road. Restart the vehicle after power-off for a period of time. If this lamp is no longer on, the vehicle can run normally. If this lamp is still on, please contact the Forthing Special Service Station as soon as possible.

ABS malfunction warning lamp

If this lamp goes on when the vehicle is running, the anti-lock braking system (ABS) is faulty. At this time, although the vehicle has normal braking ability, it has no anti-lock function. Please drive carefully and contact the Forthing Special Service Station as soon as possible.

Low brake fluid level/brake system malfunction warning lamp

When the brake fluid level drops to a low level, this lamp will go on. If this lamp goes on when the vehicle is running, the brake system may be faulty. Please drive off the road carefully and park the vehicle safely, and contact the Forthing Special Service Station in time.

Forward collision assist system fault/deactivation warning lamp*

This lamp is on when the forward collision assist system is faulty or the function is deactivated.

SVS warning lamp

When the vehicle is powered on and not in the READY state, this lamp will come on. After the vehicle is started, this lamp will go out, which is normal. If this lamp stays on, it indicates that the extender control system may be faulty. Please restart the vehicle and check the warning lamp. If this lamp still stays on, please contact the Forthing Special Service Station.

SRS malfunction warning lamp

If this lamp stays on during driving, the SRS is faulty. Please contact the Forthing Special Service Station.

Front seat belt unfastened warning lamp

After the vehicle is powered on, if the front driver and passengers do not fasten the seat belt, this lamp will come on and be accompanied by an alarm sound. When the front driver and passengers do not fasten the seat belt, this lamp will go out and the alarm will be released.

Rear seat belt unfastened warning lamp*

After the vehicle is powered on, if the rear passengers do not fasten the seat belt, this lamp will come on and be accompanied by an alarm sound. When the rear passengers fasten the seat belt, this lamp will go out and the alarm will be released.

Low engine oil pressure warning lamp

If this lamp stays on or flashes during driving, it indicates that the extender oil volume is too low. Continuing driving may damage the extender. Please pull over safely and contact the Forthing Special Service Station in time.

ADAS malfunction warning lamp*

When the ADAS fails, this lamp will come on. Please contact the Forthing Special Service Station in time.

Malfunction warning lamp

When the warning lamp is on, there is some functional abnormality in the vehicle. If alarm cannot be relieved after handling, please contact Forthing Special Service Station.

Power system malfunction warning lamp

When the power system of the vehicle fails, this lamp will go on, and the combination instrument will display a text alarm to indicate the cause of the failure. If the failure cannot be eliminated, please contact the Forthing Special Service Station in time.

Indicator lamp

The indicator lamp is used to inform the driver of the working status of each system of the vehicle. When it is on or flashing, it is normal in most cases, and the vehicle is not faulty.

Turn and hazard signal indicator lamp

When operating the turn signal lamp, the corresponding turn indicator lamp flashes or goes out. When the hazard warning lamp switch is pressed, the indicator lamp flashes at the same time with the left and right turn signal lamps. If it does not flash or flashes quickly at this time, the turn signal lamp bulb may be faulty. Please contact the Forthing Special Service Station for inspection or replacement.

Indicator lamp of parking status

After the vehicle is parked stably, if you press the P button, this lamp will go on. If this lamp does not go on or continues flashing after parking, the parking brake may be faulty or the parking is risky. Please contact the Forthing Special Service Station.

Auto-hold ON indicator lamp

When the AUTO HOLD is not activated, this lamp will come on.

Auto-hold activation indicator lamp

When the AUTO HOLD is activated, this lamp will come on.

HDC activation indicator lamp

When the HDC is not activated, this lamp will stay on. When the HDC is activated, this lamp flashes.

Position lamp indicator lamp

When the position lamp is turned on, this lamp will go on.

Low beam indicator lamp

When the low beam is turned on, this lamp will go on.

High beam indicator lamp

When the high beam is turned on, this lamp will go on.

Rear fog lamp indicator lamp

When the rear fog lamp is turned on, this lamp will go on.

ESP OFF indicator lamp

This lamp will go on when the ESC system is turned off.

ESP activation/malfunction indicator lamp

This lamp flashes when the ESC system is working. If this lamp stays on during driving, it indicates that the ESC system may be faulty. Please contact the Forthing Special Service Station.

Forward collision assist system OFF indicator lamp*

This lamp will go on when the forward collision warning system switch is turned off.

The intelligent high beam is on but the indicator lamp is not activated*

When the intelligent high beam control function is not activated, this lamp will come on.

Intelligent high beam activation indicator lamp

When the intelligent high beam control function is activated, this lamp will go on.

Intelligent high beam malfunction indicator lamp*

This lamp will come on when there is a malfunction in the intelligent high beam control function.

Power limit status indicator lamp

When the vehicle is in the power limit (limp) mode, this lamp will come on. At this time, drive carefully, slow down or stop for inspection, and clear the fault before continuing to drive.

Ready indicator lamp

After the vehicle is powered on, if you depress the brake pedal, the lamp will go on.

EV/HEV status indicator lamp

Display the current power output state, and display HEV when the vehicle is in the hybrid state; When the vehicle is in the pure electric state, EV is displayed.

Driving mode status indicator lamp

Display the current driving mode. When the vehicle is in ECO/SPORT/Standard mode, this lamp will come on.

Traffic sign recognition indicator lamp*

Display the currently recognized traffic sign.

Charging connection indicator lamp

This lamp will go on when the charging/discharging gun is inserted. This lamp flashes during charging/discharging.

When the charging/discharging gun is connected abnormally or the charging fails, this lamp will be always on and a text alarm will be displayed on the combination instrument.

The cruise control is on but the indicator lamp is not activated

This lamp is on when the cruise control is on but not activated.

Cruise control activation indicator lamp

When the cruise control is activated and starts to work, this lamp will come on.

ACC cruise is on but the indicator lamp is not activated*

When the ACC cruise activation conditions are met and ACC can be activated, this lamp will come on. Where, 120 is the target speed during cruise, and the actual displayed number shall prevail.

ACC cruise activation indicator lamp*

When ACC is activated and starts to work, this lamp will come on. Where, 120 is the target speed during cruise, and the actual displayed number shall prevail.

SCC cruise is on but the indicator lamp is not activated*

When the SCC activation conditions are met and SCC can be activated, this lamp will come on.

SCC cruise activation indicator lamp*

When SCC is activated and starts to work, this lamp will come on.

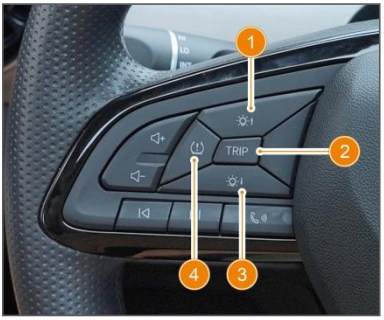
Power battery low power indicator lamp

When the power battery SOC is too low, this lamp will come on. Please charge the power battery in time.

GPF indicator lamp

This indicator lamp is always on when the GPF is overloaded or regenerated. This indicator lamp and the SVS warning lamp will be on when the GPF is faulty.

Combination instrument control



1. Brightness up button
2. Subtotal mileage button
3. Brightness down button
4. Tire pressure button

Press the brightness up or down button to adjust the brightness of the combination instrument.

Combination instrument overview

1. Left information display area

(1) Real-time vehicle speed status: display real-time vehicle speed, current position and power meter.

(2) Charging/discharging status: display the current charging/discharging information.

2. Text alarm/driving assistance display area*

(1) Text prompts are displayed.

(2) The car model, lane marking and other related information of the assisted driving are displayed. For details, please refer to the relevant instructions in the "Comfortable Driving" section.

3. Right information display area

The tire pressure information and subtotal mileage can be switched through the tire pressure button and subtotal mileage button on the left side of the steering wheel.

4. Fuel gauge

Display the remaining fuel in the fuel tank and the estimated driving mileage.

5. Driving mode

Display the driving mode of the current vehicle, which includes three modes: economy, standard and sport. After the driving mode is switched on the infotainment system, the combination instrument switches synchronously. For details, see "Driving Mode" in the section "Comfortable Driving".

6. Total mileage

Display the total mileage that the vehicle has traveled.

7. HEV/EV power output status

Display the vehicle power output status.

8. Endurance range standard

Display the endurance standard (CLTC/WLTC). After the endurance standard is switched in the energy center interface of the infotainment system, the endurance standard is updated synchronously on the combination instrument interface.

9. Electricity meter

Display the remaining power of the current vehicle and the endurance range under the relevant endurance standard (CLTC/WLTC) working condition.

Left information display area

This interface displays the driving status and charging information of the vehicle in real time.

Driving state

1. Speedometer

Display the current speed of the vehicle.

2. Current position

It is displayed as R, N, D according to the position currently selected by the driver. When the vehicle is in P position, the position is displayed in the speedometer position.

3. Power meter

Display the real-time power output and energy recovery percentage, kinetic energy recovery range: -100~100%. Positive values indicate energy output and negative values indicate energy recovery.

Charging/discharging state

1. Current power of power battery

2. Endurance range

3. Remaining charging time (if the charging is completed, "Charging Completed" will be displayed)

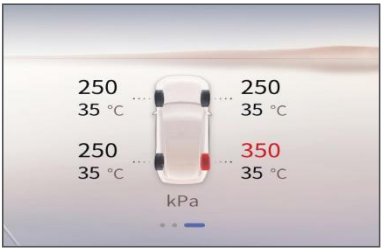
Right information display area

The vehicle information and tire pressure information can be switched and displayed through the forward button and backward button on the left side of the steering wheel.

Vehicle information

Display the instantaneous power consumption, instantaneous fuel consumption, average power consumption and subtotal mileage of the vehicle.

Tire pressure information



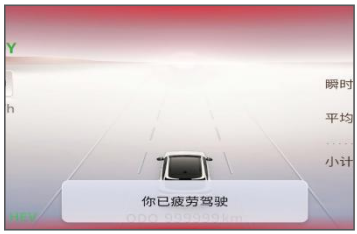
When the tire temperature/tire pressure is abnormal, the combination instrument will remind you at the abnormal tire position.

Caution

● Please keep the tire pressure near the standard pressure value. When the tire pressure displays "-" and the specified tire position is on, it indicates that the TPMS has lost the sensor at this position. Please contact the Forthing Special Service Station in time.

● The tire pressure sensor does not need to be re-matched as long as it has not been replaced or damaged due to tire repair, tire removal, etc. However, if the tire position is changed, or the tire pressure sensor in the tire is replaced, the tire pressure matching needs to be performed again. Please contact the Forthing Special Service Station.

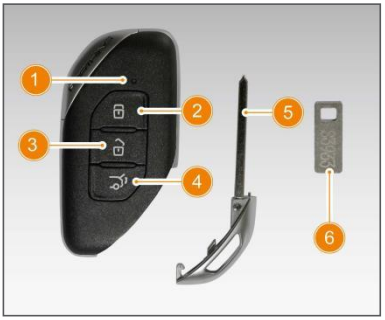
Fatigue reminder



When the driver is detected to be in a state of fatigue driving, the border of the combination instrument will display red flashing and prompt the text [You are in a state of fatigue driving], and please take a rest in time at this time.

Key introduction

Smart key



1. Smart key indicator lamp

2. Locking button

3. Unlocking button

4. Tailgate unlocking button

5. Mechanical key

6. Mechanical key number plate

If the mechanical key is lost, it can be remade using the mechanical key number plate.

Take out the mechanical key

Press the mechanical key release button on the side of the smart key to take out the mechanical key.

Battery replacement

When the remote control distance of your smart key becomes shorter or you cannot remotely control the vehicle, and the vehicle does not recognize the smart key due to low battery power, you need to replace the battery in the smart key.

Engine immobilizer system

If an incorrectly coded smart key is used, the vehicle cannot be unlocked. When theft prevention is triggered by pulling the door handle or other actions, the vehicle horn will alarm to remind that the anti-theft function is enabled. When the locking system cannot recognize the key code, please contact the Forthing Special Service Station.

Opening, closing and locking of door

Unlock and lock the door from outside the vehicle

Keyless entry

Unlock

Carry the smart key and hold the inner unlock area of the driver's door handle to unlock all doors.

Lock

Carry the smart key, close all the door, press the lock area on the driver's door handle, and all the door will be locked.

Caution

After the vehicle is locked with the smart key or mobile phone APP, passengers in the vehicle can still get off by opening the door with the inside handle, but an alarm will be triggered. It is recommended to unlock the door before getting off.

Unlocking and locking with smart key

Unlock

Short press the smart key unlocking button to unlock the four doors, the turn signal lamp flashes twice, and the interior lamp and position lamp are on; Long press the unlocking button, and the glass of four doors will be opened.

Locked

Press the locking button on the smart key to lock the four doors and fuel filler cap. If [Light and Horn] is set for [Lock Feedback] on the infotainment system, the turn signal lamp will be on once, the horn will sound once, the interior lamp will gradually go out, and the infotainment system will be turned off; Long press the locking button to close the glass of four doors and sunroof.

Unlocking and locking with mechanical key

1. Take out the mechanical key from the smart key.

2. After the door is closed, pull the driver's door handle to the maximum opening, insert the index finger into the handle and press the front end clip forward, take out the lock cylinder cover and expose the lock cylinder hole.

3. Insert the mechanical key into the lock cylinder hole and turn the key clockwise to unlock the driver's door; Turn the key counterclockwise to lock the driver's door.

4. Take out the key and put the lock cylinder cover back on the door handle.

Unlock and lock the door from inside the vehicle

Door interior handle unlocking

When the door is locked, pull the interior handle of the door twice to open the door.

When the door is unlocked, pull the interior handle of the door once to open the door.

Caution
When the child safety lock of the rear door is activated, the door cannot be opened from inside the vehicle.

Unlocking and locking of door lock control

1. Unlocking button

2. Locking button

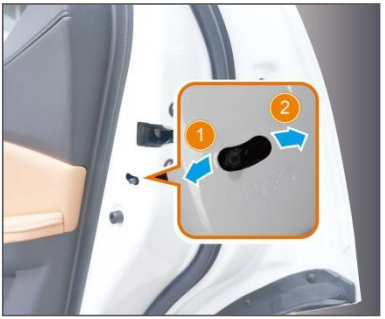
When all doors (including the tailgate) are closed, press the locking button to lock all doors.

When all doors (including tailgate) are locked, press the unlocking button to unlock all doors.

Unlocking and locking of front passenger door and rear door

If the vehicle is powered off, press the inner switch of the door lock to lock the door; Pull the door interior handle twice from inside the vehicle to unlock the door.

Rear door child safety lock



1. Unlocking

2. Locking

After setting the rear door child safety lock, the rear door on both sides cannot be opened from inside the vehicle, which helps prevent children from accidentally opening the rear door.

Automatic door lock

When the vehicle is in READY state, the four doors are closed and the vehicle speed is accelerated from low to high to more than 10 km/h, the four doors will be locked automatically.

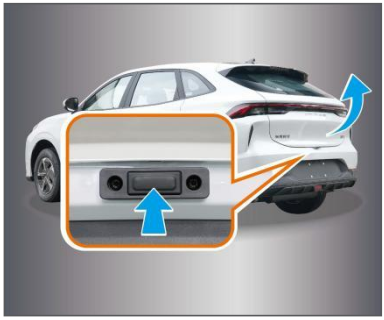
Collision forced unlock

During driving or in stationary state, after the vehicle is powered on, if the vehicle is impacted, the four doors will be automatically unlocked after the system receives the collision signal.

Opening and closing of tailgate

Open the tailgate from outside the vehicle

Open the tailgate without a key



Carry the smart key to the side of the tailgate and press the microswitch, the tailgate will be opened automatically.

Open the tailgate with a smart key

When the tailgate is closed, press and hold the tailgate unlocking button on the smart key, and the tailgate will be opened automatically.

Open the tailgate by sensing*

Carry the smart key and stand behind the vehicle, and perform a kicking action below the middle of the rear bumper. After sensing the kicking action, the tailgate will be opened automatically.

Caution

- The sensing opening of tailgate function can take effect only when the vehicle is not started.
- To use this function, you need to carry the smart key or place the smart key within the effective control range of about 1 m from the tailgate.
- In order to ensure the effectiveness of the operation, please use the forward and backward kicking operation, and the kicking time shall be controlled within 1~2 seconds. During the operation, the distance between the foot surface/calf and the bottom/rear of the rear bumper shall be controlled at 2~10 cm respectively. Please use the most suitable operation method after multiple kick operations according to the actual situation.
- Please keep the sensor surface clean. If ice, snow, dirt and other obstacles are attached to the sensor surface, the function may fail.
- The kick sensing area is located in the width range of 50 cm on the left and right sides below the middle of the rear bumper. Please operate within this area.
- If you try to perform the function of opening the tailgate by sensing several times in a short period of time, the function may be temporarily disabled and cannot be restored in a short period of time.

Close the tailgate from outside the vehicle

Press the tailgate guard switch to automatically close the tailgate. If this switch is pressed again during the closing process, the tailgate will stop closing.

Close the tailgate with a smart key

When the tailgate is open, the tailgate can also be automatically closed by pressing and holding the tailgate unlocking button on the smart key.

Open and close the tailgate from inside the vehicle

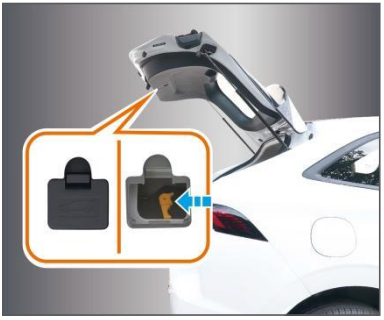
Through the interior tailgate

When the tailgate is unlocked, press the interior tailgate switch to open or close the tailgate.

Through infotainment system

You can also click [Tailgate Control Switch] on the rear of car model infotainment system homepage, open or close tailgate from inside the vehicle.

Emergency opening of tailgate inside the vehicle



If the unlocking device fails or you are trapped in the vehicle and cannot open the tailgate from the outside, you can first remove the emergency opening cover on the inner guard plate of the tailgate, push the emergency opening handle of the tailgate lock body to the left, and push the tailgate outward with the other hand to open the tailgate from the inside.

Tailgate opening height setting

Set the tailgate opening height

The opening height of the tailgate can be set by the tailgate guard switch:

1. Manually open the tailgate to the required height.

2. Long press the tailgate guard switch until an audible signal is heard, indicating that the opening height is set successfully.

3. Close the tailgate and reopen it to the set height.

Restore the maximum opening height

1. Manually open the tailgate to the highest position.

2. Long press the tailgate guard switch until an audible signal is heard, indicating that the maximum opening height is restored successfully.

3. Close the tailgate and reopen it to the maximum height.

Warning

- Do not manually open or close the electric tailgate unless necessary.
- When the power is off or the electric tailgate needs to be manually operated in case of failure, it shall be opened or closed at an even speed for not less than 2 seconds. If the manual opening and closing operation is carried out quickly, the electric stay bar or controller may be damaged.

Set the tailgate opening angle through the infotainment system

1. Click [Vehicle Control] - [Body and Chassis] - [Door] in the navigation bar at the bottom of infotainment system, you can adjust the tailgate angle to low, medium or high degrees according to your needs.

2. According to the actual needs, click the desired tailgate opening height value on the setting page, and the system will give an audible prompt to indicate that the setting is successful.

Caution

The opening height of the tailgate in the infotainment system is for reference only, and the specific height should be set according to the actual operation.

Anti-pinch protection

When the tailgate is automatically opened, if an obstacle is detected, the tailgate will stop opening; When it is automatically closed, if the system detects an obstacle, the tailgate will stop closing and return to the pre-set maximum opening height.

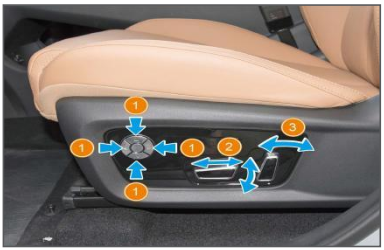
Warning

When the tailgate is automatically opened or closed, make sure that there is no one nearby. When operating the tailgate, do not obstruct the tailgate movement in any way unless necessary.

Seat

Front seats

Electric adjustment of driver seat



1. Lumbar support adjustment button*

Gently press the front, rear or upper and lower parts of the backrest lumbar support adjustment button to adjust the lumbar support position. After adjusting it to the appropriate position, release the button.

2. Seat fore-and-aft and height adjustment button

Push this button back and forth to adjust the seat to move back and forth; Toggle the rear end of this button up and down to adjust the seat up or down. After adjusting it to the proper position, release the button.

3. Seat back angle adjustment button

Push this button back and forth to adjust the seat backrest angle. After adjusting it to the proper position, release the button.

Driver seat learning function

Seat learning may be required after the following three operations:

1. Replace the seat.

2. Cut off the power supply of the whole vehicle during seat adjustment.

3. Manually move the seat position.

The specific methods are as follows:

First, adjust the seat backrest to the front end for more than 2 seconds, then adjust the seat back and forth to the rear end for more than 2 seconds, and finally adjust the seat up and down to the bottom end for more than 2 seconds to complete the seat learning.

If the seat memory position is quite different from the real vehicle, the memory position can be corrected in the following ways:

Adjust the seat backrest to the rearmost position, and then adjust it to the foremost position to complete the backrest position correction; Adjust the seat back and forth to the rearmost end and then adjust it to the foremost end to complete the front and rear position correction; Adjust the seat up and down to the lowest end and then to the highest end to complete the up and down position correction.

Manual adjustment of front passenger seat

1. Seat fore-and-aft adjustment lever

Pull up the lever to adjust the seat forward and backward. After adjusting it to the proper position, release the lever to ensure that the seat is locked in place.

2. Adjustable handle of backrest angle

Sit on the seat, lift the handle, lean forward or press the backrest backward, adjust the backrest to a proper position and then release the handle, and shake it back and forth a few times to ensure that the backrest is locked in place.

Electric adjustment of front passenger seat*

1. Seat fore-and-aft adjustment button

Push this button back and forth to adjust the seat forward and backward. After adjusting it to the proper position, release the button.

2. Seat back angle adjustment button

Push this button back and forth to adjust the seat forward and backward. After adjusting it to the proper position, release the button.

Adjust the front seats through infotainment system

The front seats of some models can be adjusted through the infotainment system. For details, see "Seat Settings" in the chapter "Infotainment System".

Caution

- The driver shall not adjust the seat during driving.
- Be careful when adjusting the seat to ensure that other passengers are not injured when moving the seat.
- Do not put your hands under the seat or near the moving parts when adjusting the seat to avoid injury.
- Do not tilt the seat excessively; otherwise the waist seat belt may slide through the hip and directly press the abdomen, or make the shoulder seat belt touch the neck. In case of accident, it will cause serious injury and even increase the risk of death.
- When the seat fails to be adjusted through the infotainment system, check whether the seat has been adjusted in place or whether there is an object stuck in the seat.
- Do not place objects under the seat and clean up small objects in the seat slide rail in time to prevent the seat from jamming and other abnormal phenomena during coasting.
- When children are in the car, the seat must be adjusted by adults to prevent the occupant's body from coasting forward due to unfixed cushions or similar items on the seat in case of emergency braking or accidents, which may cause accidental injuries.
- Before driving, please adjust the driver seat to the correct driving position. This can reduce misoperation and effectively play the protective function of seat belt, airbag, headrest and other configurations.

Rear seat

Rear seat backrest folded

The rear seat is divided into two parts, and the backrest of each part can be independently laid down. Maintain some seats available while providing more storage space.

Pull up the lock buckle at the top of the backrest to unlock the seat backrest, and then fold the seat backrest forward gently.

Rear seat back folded back

Turn the seat backrest backward and push it backward firmly to lock it.

Caution

- Do not fold the seat backrest during driving.
- Be careful not to jam your hand when folding the rear seat back.
- Do not fold the rear seat back when there are passengers sitting on the rear seat or luggage on the seat.
- When resetting the rear seat, gently shake the seat and its backrest back and forth to ensure that it is locked in place.
- Check and confirm that the seat belt is not twisted or stuck in the seat backrest.

Seat heating, ventilation and massage*

Control by infotainment system

For the specific operation method, please refer to the "Seat Settings" in the chapter "Infotainment System".

Caution

- Do not kneel on the seat or make the seat bear concentrated load, so as to avoid damaging the seat heating element.
- Do not clean the seat by wet washing.
- Do not place the seat cushion when the seat heating function is turned on.

Warning

If the body cannot sense pain and temperature due to taking drugs, paralysis, paralysis and other diseases, do not use the seat heating function, otherwise it may cause burns.

Seat memory and convenient getting on and off*

Seat memory

For the specific operation method of the seat memory function, please refer to the "Personal Center" - "Personal Memory*" in the chapter "Infotainment System".

Convenient alighting/boarding

Click [Vehicle Control] - [Driving Experience] in the navigation bar at the bottom of infotainment system, you can turn on or off the convenient getting on and off.

After the convenient getting on and off function is turned on and the seat memory position is set, open the driver door to enter the vehicle, and the driver seat moves backward a certain distance from the memory position; When the door is opened for getting off, the driver seat moves backwards a certain distance from the current position. When the door state changes from open to close, the driver seat will move to the set memory position.

Headrest

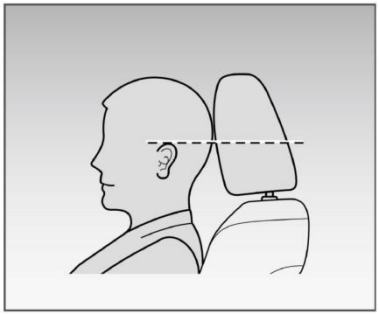
Front row integrated

The front row is the integrated seat, and the headrest is not adjustable.

Adjustable rear row

1. To raise the headrest, you can directly raise the headrest to the desired position until you hear a "click" sound to ensure that the headrest is locked in place.

2. To lower the headrest, press and hold the adjusting switch located on the side of the seat headrest, press down the headrest to the desired height, then release the switch until a "click" sound is heard to ensure that the headrest is locked in place.



When adjusting the headrest, make sure that the center of the headrest is flush with the upper part of the ear so that the headrest can provide maximum protection.

Caution

- The lowest position of the headrest is not its use position. Be sure to adjust the headrest to the locking position during use.
- After adjusting the headrest, press the headrest to confirm that it is locked firmly.

Warning

- The headrest must always be in the lock position. If the headrest is removed or the headrest is adjusted or installed improperly, it is very easy to cause injury to passengers in case of emergency or emergency braking during driving.
- Do not adjust the headrest during driving.

Steering wheel

Steering wheel adjustment

1. Steering wheel adjustment handle

Adjust the steering wheel to the proper position as follows:

1. Turn the steering wheel to the forward straight driving position, that is, the steering wheel returns to the position.

2. Pull down the steering wheel adjustment handle to unlock the steering wheel.

3. Adjust the steering wheel up and down, back and forth to the proper position along the arrow direction.

4. After the adjustment, pull the steering wheel adjustment handle upward, and confirm that it is locked in place.

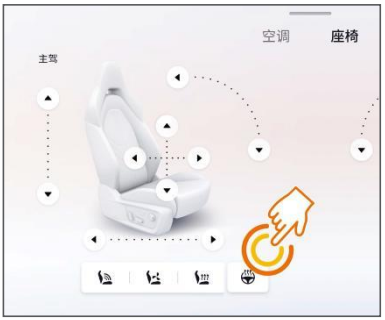
Warning

Do not adjust the steering wheel while the vehicle is running to avoid loss of control of the vehicle and personal injury.

Horn

The horn is located in the middle of the steering wheel. Press the horn to remind pedestrians and vehicles outside the vehicle. The reasonable use of horn will help to ensure driving safety and reduce the frequency of accidents.

Steering wheel heating*

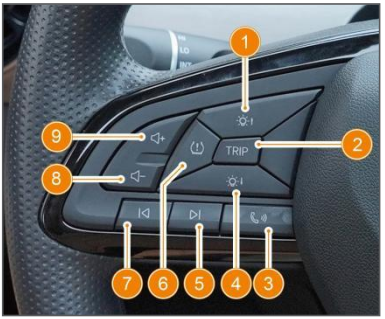


Click [A/C] - [Seat] - [Steering Wheel Heating Switch] in the infotainment system homepage navigation bar to turn steering wheel heating function on or off.

Caution

If the heating effect is found to be weakened or uneven, contact the Forthing Special Service Station in time.

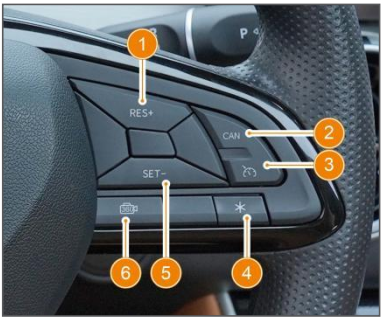
Steering wheel left button



1. Brightness up button
2. Subtotal mileage button
3. Bluetooth phone button
4. Brightness down button
5. Forward button
6. Tire pressure button
7. Backward button
8. Volume down button
9. Volume up button

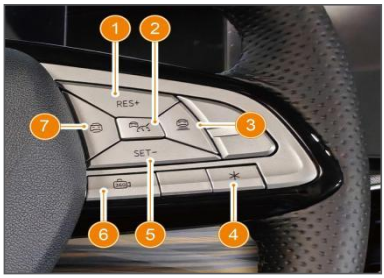
Steering wheel right button

Type I



1. Cruise control recovery/acceleration button
2. Cruise control pause button
3. Cruise control button
4. Custom button
5. Speed setting/deceleration button
6. Surround view button

Type II



1. ACC recovery/acceleration button
2. ACC button
3. Distance increase button
4. Custom button
5. Speed deceleration button
6. Surround view button
7. Distance decrease button

Inside rearview mirror

Hold the right side of the inside rearview mirror and adjust the mirror body up, down, left and right until the rear view can be fully seen from the mirror surface.

Caution

Due to the structural limitation of the inside rearview mirror, when adjusting the inside rearview mirror, please be sure to adjust it gently and slowly to prevent excessive adjustment, which may cause the mirror body to come out.

Anti-glare adjustment of the inside rearview mirror

Gently pull the tab on the bottom edge of the inside rearview mirror to switch the reflection state of the mirror to prevent glare. When the rear strong light shines on the inside rearview mirror, it can reduce the impact of the strong light on the driver.

Warning

- Do not hang heavy objects on the inside rearview mirror or shake or drag it with force.
- Do not adjust the inside rearview mirror during driving. Otherwise, accidents may be caused due to misoperation, resulting in serious casualties.

Outside rearview mirror

Please keep the rearview mirror clean, and adjust the rearview mirror to the best visual angle before driving.

Electric adjustment of outside rearview mirror

The left and right switch can be used to select the rearview mirror on the corresponding side for mirror angle adjustment.

Push the mirror adjustment switch up, down, left and right to adjust the outside rearview mirror to the best viewing angle.

Folding and unfolding of outside rearview mirror

The outside rearview mirror can be folded and unfolded in one of the following ways:

1. In infotainment system intelligent control theme interface, click [Rearview Mirror Folding Switch] to fold or unfold outside rearview mirror.

2. Click [Vehicle Control] - [Body and Chassis] - [Window] in the navigation bar at the bottom of infotainment system to fold or unfold outside rearview mirror.

3. If the [Rearview Mirror Folding] component is added to the infotainment system pull-down menu, click it to fold or unfold the outside rearview mirror.

4. Click [Rearview Mirror Folding] in the surround view interface to fold or unfold the outside rearview mirror.

Automatic folding and unfolding

Click [Vehicle Control] - [Body and Chassis] - [Window] in the navigation bar at the bottom of infotainment system to turn on the [Lock the Vehicle and Fold the Rearview Mirrors] function, when the vehicle is powered off and all four doors are closed, press the locking or unlocking buttons on smart key to automatically fold or unfold the outside rearview mirrors.

Heating and defrosting of the outside rearview mirror

After the vehicle is powered on, press the rear defrost/outside rearview mirror heating button on the A/C control panel, or click [Rear Defrost/Outside Rearview Mirror Heating] on A/C interface of infotainment system to turn the defrost function on or off. This function can remove fog, frost and thin ice on outside rearview mirror.

Caution

- Before driving, in order to ensure driving safety, it is necessary to ensure that the outside rearview mirror is reset before adjusting the mirror angle.
- Do not adjust the outside rearview mirror during driving.
- If the outside rearview mirror is not folded or unfolded, the outside rearview mirror may be not reset after being collided. It is necessary to manually push the mirror forward until a "click" sound is heard, and then operate the outside rearview mirror to fold or unfold it two or three times.
- If there is snow on the outside rearview mirror, please remove the snow before adjusting the outside rearview mirror to avoid damaging the outside rearview mirror.

Power window

1. Left rear window switch

2. Left front window switch

3. Window lock switch

4. Right front window switch

5. Right rear window switch

Manually open/close the window

Pull up or press down the window switch and hold it to manually control the window to rise or fall.

Automatically open/close window

Pull up or press down the window switch to the limit position and then release it. The window can automatically rise or fall. If you need to stop it halfway, pull up or press this switch again.

Remotely open/close the window

After the vehicle is powered off, press and hold the unlocking button on the smart key. Then the four windows will be lowered at the same time until they are fully opened; When the four doors and the back door are closed, press and hold the lock button on the smart key. Then the four windows will rise at the same time until they are completely closed.

Window lock switch

To prevent children from accidentally opening or closing the window, pressing the window lock switch disables the switch operation of the front passenger side window and rear window. At this time, the window can only be controlled by the driver. If you need to restore it, press this switch again.

Power window thermal protection

If the window is operated repeatedly in a short period of time, the motor protection function will be triggered, which will cause the power window control switch to fail. To restore the window operation, wait for a while and then operate it again.

Window anti-pinch protection

If an obstacle is encountered during the closing process of the window, the window will stop closing and run in the opposite direction for a certain distance. The automatic anti-pinch function also works in the event of an impact or similar to a window obstacle.

Activation conditions of anti-pinch power window

Power window should first complete initialization learning, and anti-pinch function will be activated when power window has the automatic raising function.

Initialization learning of anti-pinch power window

When the following conditions occur, the power window with anti-pinch function needs to be initialized for learning so that it can be used normally.

1. When the 12V low-voltage battery of the vehicle is short of power or the window is raising or lowering when the 12V low-voltage battery is disconnected.

2. After the door control module flashes the software.

3. When the window mechanism is replaced, such as the replacement of the regulator, rubber strip, glass, water cut, guide groove and other parts that affect the window lifting stroke.

4. When the door guard and door control module are replaced.

Initialization learning steps

1. Pull up the window switch and hold it until the window is completely closed, and then continue to hold it for more than 2 seconds.

2. Press down the window switch and hold it until the window is fully opened, and then continue to hold it for more than 2 seconds.

3. Pull up the window switch again until the window is closed.

4. The initialization learning ends.

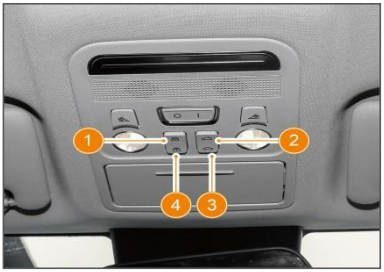
The above steps need to be operated continuously to ensure successful learning. If the power window still does not work properly after the above operation, please contact the Forthing Special Service Station.

Caution

- When operating the window, make sure that it will not pinch any part of the passenger's body.
- Do not allow children to operate the power window.
- Do not test the anti-pinch function by intentionally clamping any part of the body.
- If an object is pinched when the window is about to be fully closed, the anti-pinch function may not work.
- In cold and humid environment, the power window may not work properly due to freezing.

Sunroof

Panoramic sunroof



1. Sunshade ON switch

2. Sunroof ON switch

3. Sunroof OFF switch

4. Sunshade OFF switch

In order to improve the light and air circulation in the vehicle, the sunroof sunshade and sunroof can be opened. When operating the sunroof switch, the vehicle shall be in ON position or READY state.

Sunroof tilting/OFF

When the sunroof is in OFF state, press the sunroof ON switch, the sunroof moves to the tilted state, and the sunroof sunshade will open accordingly.

When the sunroof is tilted and in ON state, press the sunroof OFF switch to close the sunroof.

Sunroof ON/OFF

When the sunroof is in OFF state, press the sunroof ON switch, and the sunroof slides backwards to the tilted state, and the sunshade will open accordingly. Tap the sunroof ON switch again, and the sunroof will be opened to the fully open state with one click.

When the sunroof is in ON state, press the sunroof OFF switch, and the sunroof will be closed with one click.

During the one-click ON/OFF of the sunroof, click the sunroof operating switch again, and the sunroof will stop at the current position.

Sunshade ON/OFF

Press the sunshade ON/OFF switch to turn on or off the sunshade. If you need to stop the sunshade, just operate any sunshade switch again.

When the sunroof is open, the sunshade cannot be closed beyond the open position of the sunroof (sunshade follow-up function).

Anti-pinch protection

The sunroof/sunshade has anti-pinch protection within 200 mm from full closing. When the sunroof/sunshade is subject to abnormal resistance or obstacle during automatic closing, the sunroof/sunshade will automatically stop halfway and return for a certain distance, which can prevent personal injury.

Initialization

When the sunroof system cannot be closed in place, it can be restored by the following operations: when the sunroof and sunshade are completely closed, press and hold the sunroof OFF switch for about 6~8 seconds, the sunroof will move forward and backward for less than 10 mm, release the sunroof ON switch for 5 seconds, and then press and hold the sunroof OFF switch again, the sunroof will be automatically opened completely and then closed for one round, at this time, release the sunroof OFF switch, the sunroof initialization is completed.

Remotely close the sunroof

After the vehicle is powered off, the sunroof cannot be operated. If the sunroof is found to be open at this time, the sunroof can be closed by the smart key locking button.

Delayed OFF

The sunroof can be opened/closed within 30 seconds after the vehicle is powered off.

Sunroof motor thermal protection

In order to prevent the sunroof motor from overheating and causing abnormal function, after the sunroof is operated continuously for 120 seconds (under normal resistance), the sunroof motor will activate the thermal protection function, and the motor will enter the sleep mode. At this time, the sunroof will not be able to operate temporarily, and the sunroof can be operated again after the motor cools down for about 30 seconds.

Sunroof remote control*

The sunroof can be opened/closed remotely through a mobile phone app connected to the vehicle network.

Warning

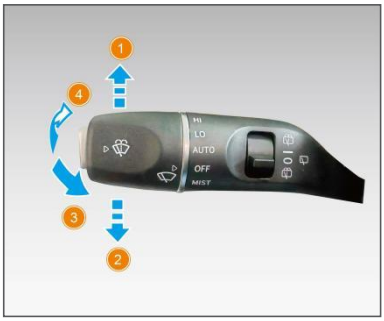
- It is strictly forbidden to extend the head or other parts of the body out of the sunroof during the closing of the sunroof and the driving of the vehicle to avoid accidents.
- Do not leave children alone in the vehicle, especially when the vehicle is in the ON position, otherwise accidents may occur due to their misoperation of the sunroof switch.

Light

Exterior light

1. Turn signal/windshield wiper switch

Adjustment of turn signal/windshield wiper switch



1. Right turn signal lamp
2. Left turn signal lamp
3. High beam flashes
4. High beam

Turn signal lamp adjustment

After pulling the turn signal/windshield wiper switch upward to the first gear, the right turn signal lamp flashes three times and then goes out, and the handle is automatically reset; After toggling it up to the second gear, the right turn signal lamp flashes continuously.

After toggling the turn signal/windshield wiper switch downward to the first gear, the left turn signal lamp flashes three times and then goes out, and the handle is automatically reset; After toggling it down to the second gear, the left turn signal lamp flashes continuously.

Daytime running lamp

The daytime running lamp is mainly used during the day and can be automatically lit to enable other drivers to see your vehicle more clearly and ensure driving safety.

High/low beam switching

Select [Low Beam] in the light gear of the infotainment system, push the turn signal/windshield wiper switch forward to the limit position. Then, the high beam is turned on, and the lever returns automatically; After pushing it forward to the limit position, the high beam will be turned off.

Follow Me Home

Within 5 minutes after the vehicle is power-off, pull the left section of the turn signal/windshield wiper switch back once, and the function of Follow Me Home will be turned on, and the low beam will be turned on automatically at this time.

The low beam will be automatically turned off 30 seconds after the door is locked or 5 minutes after the function of Follow Me Home is turned on.

Adjustment by infotainment system

It can be adjusted in any of the following ways:

1. In the intelligent control theme interface, click the light adjustment button on the left side of the car model to select the light position as [OFF], [AUTO] automatic light, [☼] position lamp or [≡O] low beam.

2. Click [Vehicle Control] - [Quick Control] in the navigation bar at the bottom of infotainment system, you can choose the light position as [OFF], [AUTO] automatic light, [☼] position lamp or [≡O] low beam.

3. Click [Vehicle Control] - [Light] in the navigation bar at the bottom of infotainment system, you can select the light position as [OFF], [Position Lamp] or [Low Beam].

Automatic lighting

When [AUTO] is selected on the light position of the infotainment system, the headlamp and other lamps will be automatically turned on or off according to the ambient brightness.

Position lamp

When the light switch is in ATUO position and the system detects that the ambient light intensity is low, if you press the smart key unlocking button to unlock the door, the position lamp will automatically light up; The position lamp goes out after locking, vehicle starting or sleeping. The position lamp can also be turned on or off directly on the infotainment system.

Rear fog lamp

When the low beam is on, click [Light] - [Rear Fog Lamp] in the infotainment system to turn on or off the rear fog lamp.

Headlamp height adjustment

When the vehicle is carrying heavy loads, the rear of the vehicle will sink, raising the low beam and therefore affecting the driver's sight and causing safety hazards. At this time, you should find a safe place to park, and then adjust the headlamp height.

Click [Vehicle Control] - [Light] in the navigation bar at the bottom of infotainment system, you can select different positions of headlamp heights according to the number of passengers and the vehicle's load.

Interior light

Interior lamp

The interior lamp has the function of delayed extinguishing.

Front interior lamp

1. Left front interior lamp switch

When the courtesy switch is parallel to the panel or at the "O" end, press the switch to light up, and press it again to go out.

2. Courtesy switch

When the switch is at the "O" end, the courtesy switch is turned off.

When the switch is at the "I" end, all interior lamps are on.

When the switch is parallel to the panel, the interior lamp will light up or go out with the opening and closing of four doors.

3. Right front interior lamp switch

When the courtesy switch is parallel to the panel or at the "O" end, press the switch to light up, and press it again to go out.

Rear interior lamp

The rear interior lamp is located next to the rear handle. Press the left/right interior lamp switch to turn on or off the corresponding interior lamp.

Click [Vehicle Control] - [Light] - [Light] in the navigation bar at the bottom of infotainment system, you can turn the dome lamp (interior lamp) on or off.

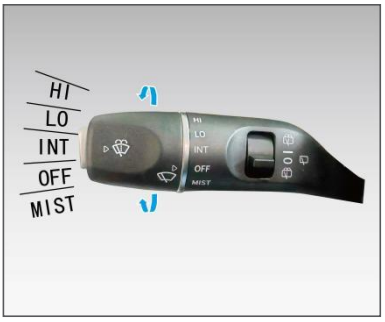
Trunk lamp

When the tailgate is opened, the trunk lamp will automatically light up. After the tailgate is closed, the lamp will go out automatically.

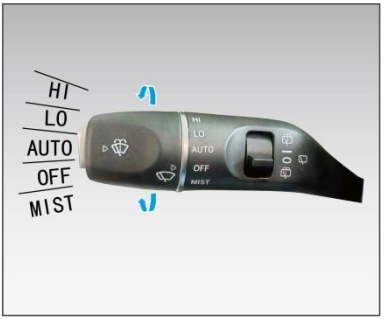
Wiper

1. Turn signal/windshield wiper switch

Front manual wiper



Front automatic wiper*



HI: High speed wiping.

LO: Low speed wiping.

INT: Intermittent wiping.

AUTO*: Automatic wiping.

OFF: The wiper is turned off. This position is the default position.

MIST: Wiper inching. After you rotate the turn signal/windshield wiper switch to the "MIST" position, the wiper will move once. The turn signal/windshield wiper switch will automatically be reset after releasing.

Caution

Rotate the left part of the turn signal/windshield wiper switch to the "AUTO" position. When the automatic wiping function of the wiper is turned on, the wiper may work under the following conditions, which is normal:

- The vehicle passes through areas with obvious changes in light, such as trees, overpasses, etc.
- Foreign matters such as leaves fall in the sensor area.
- The vehicle passes through dusty areas, for example, it follows a large vehicle or passes through construction sections.

The following conditions may cause the automatic wiping function to fail:

- Foreign matters are attached to the surface of the rainfall sensor.
- Other electronic equipment installed or connected to the vehicle may also affect the function of this system.

Adjust the wiper intermittent time through the infotainment system

Click [Vehicle Control] - [Body and Chassis] - [Window] in the navigation bar at the bottom of infotainment system, you can adjust the wiper interval time. The larger the value, the longer the wiper intermittent time and the slower the wiping speed.

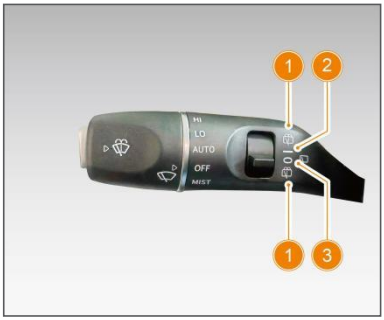
Automatic wiping sensitivity adjustment*

Click [Vehicle Control] - [Body and Chassis] - [Window] in the navigation bar at the bottom of infotainment system, you can adjust the automatic wiper sensitivity. The larger the value, the higher the sensitivity of the wiper, and the faster the wiping speed.

Front windshield washing

If you press the front wiper spray button, the front windshield washer will work and spray water, and the wiper will work at the same time.

Rear wiper



1. Rear wiper spray: Toggle the paddle up or down to this position, the rear glass washer sprays water, and the rear wiper wipes at low speed.

2. Rear wiper wipe: Toggle the paddle to this position, and the rear wiper will wipe.

3. Rear wiper OFF: Toggle the paddle to this position to turn off the rear wiper.

Wiper nozzle antifreezing*

The wiper nozzle antifreezing switch is integrated on the rear defrosting/outside rearview mirror heating button. After being turned on, the wiper nozzle can be heated, which is convenient for use in extremely cold areas.

Caution

- Before using the wiper in winter, please remove the ice and snow on the windshield and confirm that the wiper blade is not frozen on the windshield.
- Do not use the wiper when the windshield is dry, otherwise the windshield will be scratched and the service life of the wiper blade will be affected.
- If there is dust or sand on the windshield, please clear it before using the wiper; otherwise it will scratch the front windshield and affect the service life of the wiper blade.

USB port

USB media source interface

The USB media source interface is located in the storage compartment on the upper part of the console for data transmission, charging, etc.

Rear USB charging interface

The rear USB port is located below the rear air outlet of the console.

Caution

- When the USB power supply interface is not in use, cover the dust cover tightly.
- The USB port provides charging function, with a maximum charging current of 2.3 A. Do not insert high-current electrical appliances to avoid fire.
- Do not insert metal foreign matters into the interface to avoid short circuit and fire.
- When plugging and unplugging the USB cable, the plugging and unplugging direction shall be kept in the same direction as the USB port as far as possible, and shall not be tilted to avoid damaging the USB port.

12 V on-board power supply

The 12 V on-board power supply can only work when the vehicle is in ON position or READY state.

The 12 V on-board power supply is located under the console.

Caution

- When the 12 V on-board power supply is not in use, cover the dust cover tightly.
- The maximum output power of 12 V on-board power supply is 120 W. Do not insert high-power electrical appliances to avoid fire.
- Do not allow children to use or touch the 12 V on-board power supply. Do not insert metal foreign objects into the power supply interface to avoid short circuit and fire.
- Do not insert metal foreign objects into the power supply port to avoid short circuit and fire.

Caution

● Do not allow children to use or come into contact with 12 V on-board power supply.

Wireless charging*

The wireless charging device is located under console. It can be used for charging the portable charging equipment (such as mobile phones) that support wireless charging.

Before charging, please ensure that there are no other items in the wireless charging area. When the vehicle is in the "ON" position or "READY" state, place the portable charging equipment to be charged in the charging area, and judge whether the charging is successful according to the charging state indication of the portable charging equipment.

The charging will stop automatically after the charging is completed. If you need to stop charging during charging, just move the portable charging equipment being charged away from the wireless charging device.

Caution

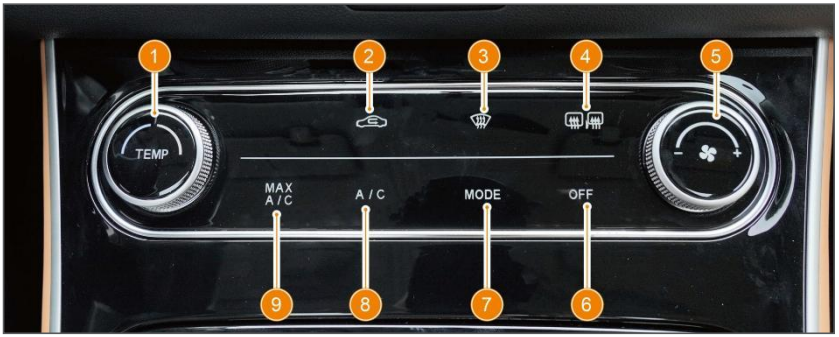
● The portable device to be charged, whether the device itself or the external wireless charging case, must comply with the national wireless charging standard.

● The wireless charging device can only support one portable charging equipment for charging at a time.

● The maximum wireless charging power is 50 W.

A/C system

Electric A/C touch panel



A/C interface on infotainment system

1. A/C temperature adjustment knob/slider
2. Circulation mode switching button
3. Front defrosting button
4. Rear defrosting/outside rearview mirror heating button
5. A/C air volume adjustment knob/slider
6. A/C system switch button
7. Blowing mode adjustment button
8. A/C switch
9. A/C MAX button
10. A/C setting button

Turn on and off the A/C

Click the A/C system switch button to turn on or off the A/C.

Turn on and off the refrigeration function

Click the A/C button to turn on or off the refrigeration function.

Adjust the temperature

Rotate the A/C temperature adjustment knob or slide the temperature value slider on the A/C interface up and down to select the appropriate temperature.

Adjust the air volume

Rotate the air volume adjustment knob of the A/C or slide the air volume slider on the A/C interface left and right to select the appropriate air volume.

Air outlet mode selection

Press the air supply mode button or select the desired air supply mode icon on the A/C interface to select the air supply mode: head, head/foot, foot, foot/defrost.

Front windshield defogging

Press the front defrosting button to turn on or off the front windshield defrosting/defogging function, which can clear the fog or frost on the front windshield when turned on. Some models are equipped with front windshield heating function, which is convenient for use in extremely cold areas.

Rear windshield/outside rearview mirror defogging

Press the rear defrosting/outside rearview mirror heating button to turn on or off the rear windshield/outside rearview mirror defrosting function. The fog, frost and thin ice on the rear windshield and outside rearview mirror can be removed after being turned on. If it is not turned off after being turned on, this function will be turned off automatically after 10~20 minutes.

Circulation mode

Click the circulation mode switch button to switch the internal/external circulation mode. When passing through areas with a lot of smoke and dust, it is recommended to choose the internal circulation mode.

A/C setting button

Click the A/C setting button to turn on or off the Bluetooth to reduce the air volume and A/C energy saving function.

A/C energy saving

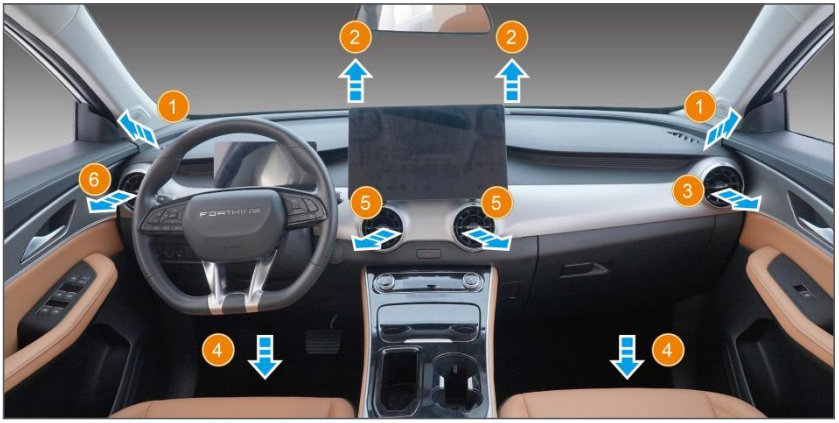
Turn on the A/C energy-saving function to reduce the power consumption of the A/C. When the A/C works for heating, the temperature drops by 5°C; When the A/C works for refrigeration, the temperature rises by 3°C; In ventilation mode, the temperature does not change.

Air volume reduction by Bluetooth

Turn on the function of the air volume reduction by Bluetooth. After the infotainment system is connected to the Bluetooth phone, the A/C air volume will be automatically reduced to ensure the call quality: if the A/C air volume is greater than 3rd position, it will be automatically reduced to 3rd position; If the A/C air volume is in the 1st, 2nd or 3rd position, the air volume will remain unchanged.

Air outlet position

Front air outlet



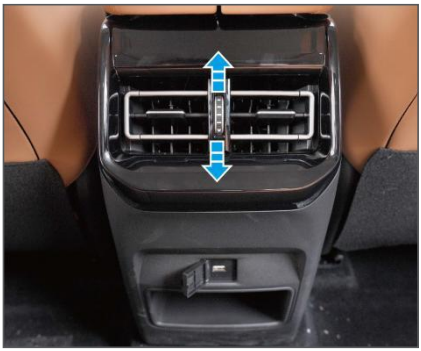
1. Side windshield defogging air outlet
2. Front windshield defogging air outlet
3. Right air outlet
4. Front foot air outlet
5. Central air outlet
6. Left air outlet

Rear air outlet

1. Rear middle air outlet

Adjustment of air flow and direction

Turn the air outlet switch knob clockwise to close the air outlet, and turn it counterclockwise to open the air outlet. Move the grille in the middle of the air outlet up and down, left and right to change the wind direction.



The rear air outlet can be opened and closed by rolling the scroll wheel up and down, and the air direction can be changed by moving the grille in the middle of the air outlet up and down and left and right.

Notice to users

1. When using the infotainment system (hereinafter referred to as "the system"), please read the relevant operating instructions carefully. If the system is damaged due to failure to follow the operating instructions, the warranty service will not be available.

2. Some operating instructions will be slightly different due to different vehicle configurations and system version updates. Please refer to the actual vehicle.

3. Do not operate the infotainment system while the vehicle is in motion, otherwise there is a risk of accidents and casualties.

4. The driver must comply with relevant regulations when using this system, and must park the vehicle in a safe place before operating, such as entering or changing the destination. In addition, according to regulations, after reaching a certain speed, in order to ensure your driving safety, the system will not display certain functions.

5. If the operation is too frequent, the system may take a while to respond. Be patient and do not operate repeatedly.

6. If the system is abnormal, do not repair it by yourself, but contact the Forthing Special Service Station for maintenance in time.

7. When the vehicle is not started, do not use the system for a long time to avoid running out of the 12V low-voltage battery power.

8. Do not touch, rub or knock the infotainment system with sharp objects, and do not splash liquid on the infotainment system, which may cause damage to the infotainment system.

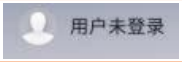
9. Do not paste metal film on the front windshield surface, which may cause some functions in the network and navigation to fail.

10. The use of navigation and network functions may be affected in areas with weak network signal such as remote areas, mountainous areas, tunnels or underground parking lots. After leaving these areas, the network signal will be restored automatically.

Homepage

1. Status area:

Icon	Description
	USB plugged in, not displayed when not plugged in

Icon	Description
	The system muted, not displayed in the unmuted state
	Bluetooth connection status, click to display Bluetooth shortcut operations
	WIFI connection status and signal strength, click to display the available WIFI information
	Network signal strength (slightly different icons for different telecom operators)
	Date and time
	Click to enter the Personal Center, and the avatar and unread message prompt will be displayed after login

2. Function card area: the second and third function cards can be set under different themes according to needs.

3. Theme display area: click the theme mode at the bottom right corner of this area to switch to display the intelligent control or exclusive theme interface.

4. Navigation area:

Icon	Description
	Click to switch between internal and external circulations
	Display and quickly adjust the position, click to enter the A/C setting interface
	Click to return to the homepage
	Click to display all applications
	Click to enter the multimedia page
	Click to enter the vehicle settings page
	Click to enter the surround view interface
	Click to enter the Bluetooth phone interface

Icon	Description
	Click to quickly adjust the volume
	Click to turn on or off the front windshield defrosting or heating (partial configuration) function

Theme introduction

Intelligent control theme

In the intelligent control theme interface, the driving mode is a fixed function card, and different driving modes can be quickly switched according to needs.

Click the icons around the 3D car model to quickly control some functions of the vehicle. Click the 3D car model to enter the vehicle control interface.

Exclusive theme

In the exclusive theme interface, the scenario mode is a fixed function card, and different scenario modes can be quickly switched according to the needs. Click [Vehicle Control] - [Display] - [Wallpaper Settings] in the navigation bar at the bottom of infotainment system, you can replace the wallpaper.

Function card switching

The function card area can display three commonly used function cards, and the second and third function cards can be replaced with other cards as required.

1. Press and hold the function card area, and the replaceable function card will pop up on the right.

2. Drag the function card to be replaced to the specified position to complete the replacement.

Pull-down menu

Swipe down at the top of the infotainment system to view the pull-down menu.

1. Quick switch control area

HDC: click to turn on/off the HDC.

Low-speed driving sound: click to turn on/off the low-speed driving sound.

ESC OFF: click to turn on/off the ESC.

Screen off: click to quickly turn off the infotainment system.

Rear fog lamp: click to quickly turn on/off the rear fog lamp.

Dome lamp: click to turn on/off the dome lamp.

Night mode: click to switch between night and day modes.

AUTO HOLD: click to turn on/off the AUTO HOLD.

Comfort Stop: click to turn on/off the Comfort Stop function.

2. Message area

To display all messages, click > to view the message details.

3. Sound and brightness adjustment area

Volume adjustment: slide left and right to quickly adjust the volume.

Instrument brightness adjustment: slide left and right to quickly adjust the brightness of the combination instrument.

Central control brightness adjustment: slide left and right to quickly adjust the brightness of the infotainment system.

Warning
The low-speed driving sound can only be turned off when there are no pedestrians in a short distance and the surrounding environment obviously does not need the sound.

App Center

Click on the navigation bar ⊞ at the bottom of infotainment system to enter the App Center interface, click on each app icon to turn it on for use. Due to the system update, the quantity, content and form of the application will be inconsistent with the schematic diagram. Please refer to your real vehicle.

A/C

Click on infotainment system homepage navigation bar icon 5 to enter A/C interface.

1. Click to switch the A/C/seat interface.

2. Click the air volume icon/click the slider position/drag the slider to adjust the A/C air volume.

3. Click to pop up the settings pop-up window.

4. Slide up and down to adjust the A/C temperature.

5. Click to turn on or off the rear defrosting/outside rearview mirror heating/rear windshield heating (partial configuration) function.

6. Click to turn on or off the front windshield defrosting/front windshield heating (partial configuration) function.

7. Click to turn on/off the A/C refrigeration function.

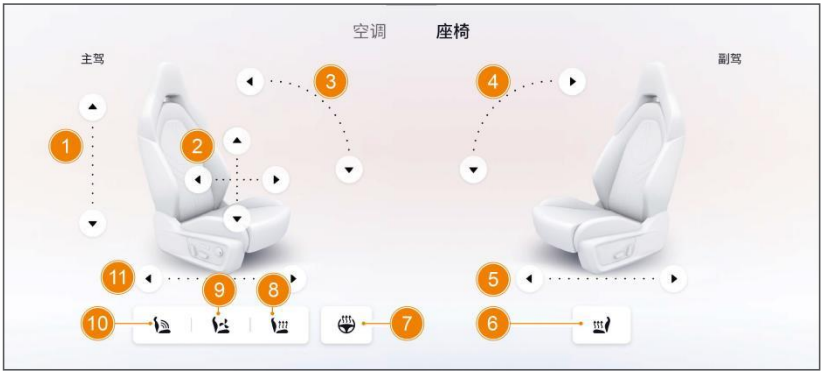
8. Click to turn on/off the A/C.

9. Click to switch between internal/external circulation modes.

10. Click to switch the blowing mode.

Seat

Click [Seat] in the A/C interface to enter the seat interface.



1. Click to adjust the height of the driver seat.
2. Click to adjust the lumbar support of the driver seat.
3. Click to adjust the angle of the driver seat backrest.
4. Click to adjust the front passenger seat back angle.
5. Click to adjust the front passenger seat forward and backward*.
6. Click to turn on/off the front passenger seat heating and position adjustment*.
7. Click to turn on/off the steering wheel heating*.
8. Click to turn on/off the driver seat heating and position adjustment*.
9. Click to turn on/off the driver seat ventilation and position adjustment*.
10. Click to enter the seat massage interface*.
11. Click to adjust the driver seat forward and backward.
12. Click to select different massage modes*.

13. Click to select different massage strength or close*.

The rear seats of some models are equipped with heating function. Switch to the rear seat interface for adjustment. The adjustment method is the same as that of the front seat.

Energy Center

In the Smart Driving theme interface, click the [Charging Reservation] function card in the content area, or click the navigation bar ⊞ below to enter App Center, click the [Energy Center] application to enter the Energy Center interface.

1. Display the endurance range of the vehicle.

2. Energy recovery during coasting setting: No, Comfort, Strong can be selected.

3. Charging limit setting.

4. Endurance standard switching: CLTC and WLTC can be selected.

5. Insulation reservation setting: turn on the insulation reservation and set the time.

6. Slow charging reservation: turn on the slow charging reservation and set the time.

7. Energy management: it can be set to forced charging, pure electric priority, gas-electric hybrid, fuel priority, and forced power generation.

8. Display the remaining charging time.

Bluetooth Phone

Click on infotainment system homepage navigation bar to enter the Bluetooth phone interface.

Recent calls

1. Click to switch to view recent calls, contacts, dialing keyboard, roadside assistance, and use related functions.

2. Click to switch all calls/missed call records.

3. Click to synchronize.

4. Click to view the contact call history details.

5. In the call history list, slide up and down to view the call history, and click any contact to make a call.

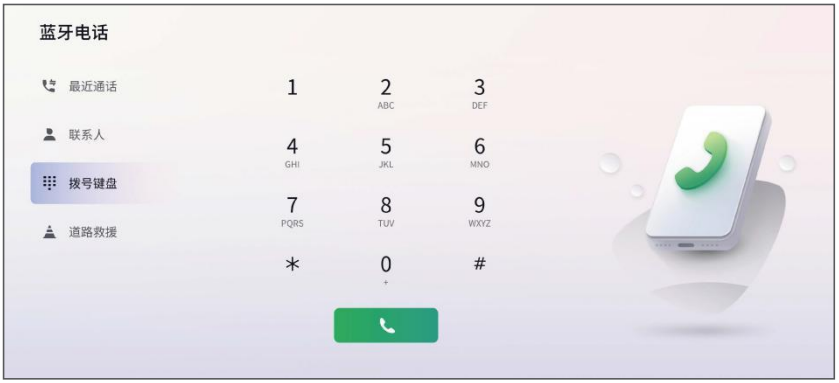
Contact

1. Click to enter keywords to search for saved contacts.

2. Slide up and down to view the address book.

3. Display the contact's avatar and number, and click to make a call.

Dialing keyboard



Support functions of direct dialing and dialing for searching contacts.

Roadside assistance

In case of emergency and roadside service is required, click [Call Roadside Service] to call the Forthing after-sales service hotline for roadside service.

Multimedia

Click on navigation bar ♫ at the bottom of infotainment system to enter the multimedia interface.

Bluetooth music

1. Click to switch between Bluetooth music, USB music and USB video.
2. Bluetooth music information display area: Display the song name and singer name.
3. Progress bar control: Slide left and right to adjust the progress bar.
4. Sound effect adjustment: Click to enter the sound effect adjustment interface.
5. Bluetooth music playback control: Switch between previous song, play/pause, next song.

USB music

1. USB music information display area: Display the song name, singer name and switch the previous/next song.
2. List switching: Click to switch between the audio-only list and the folder list.
3. Music list: Slide up and down to view the list, and click the music file to play it.
4. Sound effect adjustment: Click to enter the sound effect adjustment interface.

5. Progress bar control: Slide left and right to adjust the progress bar.

6. USB music playback control: Switch between play/pause, previous song and next song.

7. Cycle mode switching: click to switch between single cycle, list cycle and random play mode.

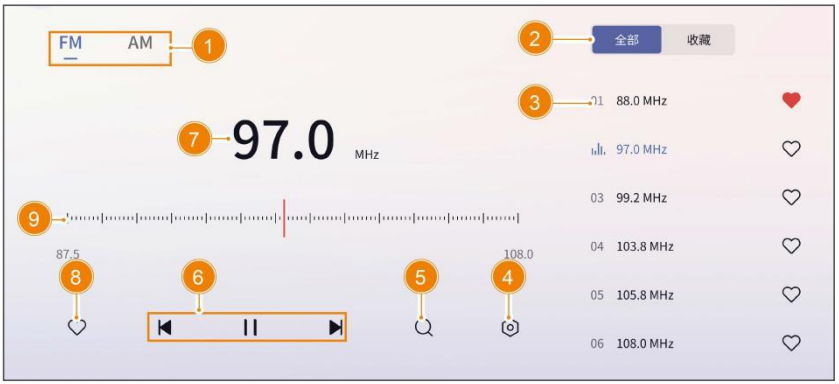
USB video

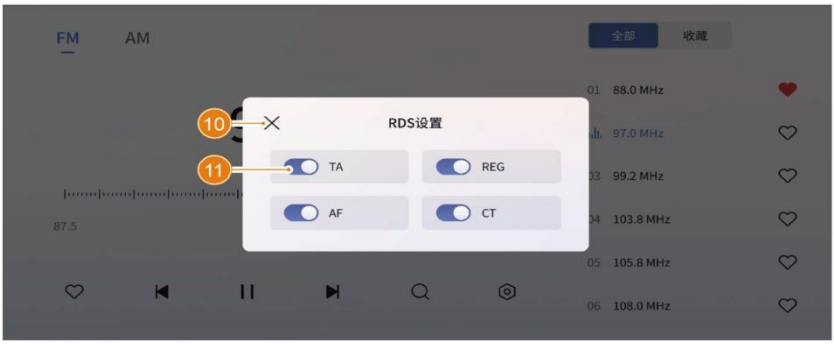
1. List switching: Click to switch between the video-only list and the folder list.

2. Video list: Slide up and down to view the list, and click the video file to play it.

Radio

Click [App Center] - [Radio] in the navigation bar at the bottom of infotainment system to enter the radio interface.





1. FM/AM switching: Click to switch the FM/AM frequency band.

2. List switching: Click to switch all radio stations and favorite radio stations.

3. Radio station list: Display all radio stations and favorite radio station list.

4. Setting: Click to enter the RDS setting interface.

5. Search: Click to search for valid radio stations.

6. Playback control: from left to right: click to switch to the previous frequency band, pause/play, and switch to the next frequency band.

7. Radio station information: Display the frequency band of the current radio station.

8. Favorite/cancel favorite radio station: Click to favorite or cancel the currently playing radio station.

9. Radio band bar: Slide left and right to switch the band.

10. Click to exit the setting interface.

11. Click to turn on/off TA, REG, AF and CT, which are turned on by default.

DAB*

Click [App Center] - [DAB] in the navigation bar at the bottom of infotainment system to enter the radio interface.

1. PTY switching: Click the drop-down list to view all loaded types, and all types are displayed by default.

2. LINK switching: Click the drop-down list to select ON or OFF.

3. EPG: The floating window pops up after clicking, and the floating window can be closed by clicking the Close button.

4. List switching: Click to switch all radio stations and favorite radio stations.

5. Radio station list: Display all radio stations and favorite radio station list.

6. Search radio station: Click to search for a valid radio station.

7. Playback control: from left to right: click to switch to the previous frequency band, pause/play, and switch to the next frequency band.

8. Signal prompt: broadcast signal indication, which is not displayed when searching for radio station/no frequency band.

9. DAB playback information: When using DAB for the first time, it will automatically search.

10. Favorite/cancel favorite radio station: Click to favorite or cancel the currently playing radio station.

Personal Center

Click on the upper right corner of infotainment system homepage status area to enter the Personal Center interface.

Main interface

1. Click to switch to view Personal Center, Personalized Memory, Scenario Mode and Message Center.

2. Display personal profile picture, name and other account information. When you are not logged in, the QR code will be displayed. Scan the QR code as prompted to log in.

3. Click to exit the current account.

4. Click or drag the card area to view more applications.

5. Display energy consumption information.

6. Display subtotal mileage information.

7. Click [Clear] to select whether to clear subtotal mileage data.

8. Click [Details] to view the data package and purchase history.

9. Display the remaining flow information.

Personalized memory*

1. Click to save the personalized memory.

2. Click to apply personalized memory. [Driver Mode] and [Nap Mode] are preset by the system. The initial value is used by default and updated after adjusting the driver seat position.

3. Click to edit personalized memory name.

4. Click to delete personalized memory.

5. Click to add personalized memories, up to 4 groups of personalized memories.

Scenario mode

Different scenario modes can be selected according to preferences, and the selection can be canceled within 5 seconds after being turned on. Click ◀ / ▶ to slide left or right to view more scenario modes.

Message Center

1. Click to switch between vehicle condition message and cloud message.

Mobile phone interconnection

Click on navigation bar ⊞ at the bottom of infotainment system to enter App Center and click [CarPlay] or [Android Auto] to enter the mobile phone interconnection interface.

1. CarPlay is applicable to mobile phones with ios system, which can be connected by Bluetooth plus WiFi or USB.

2. Android Auto is applicable to mobile phones with Android system, which can be connected by USB.

Special circumstances of mobile phone interconnection

To ensure connection reliability, when using WiFi to connect to the mobile phone interconnection, please set the AP frequency band from 2.4 Ghz to 5.0 Ghz in the mobile phone hotspot settings. If the mobile phone frequency band does not support 5.0 Ghz, it is recommended to use USB connection for mobile phone interconnection.

Caution
● The mobile phone interconnection function may be changed due to the update of the interconnection application software version. The specific function is subject to the actual vehicle.

Caution

● In order to ensure the stability and smoothness of the mobile phone interconnection function, the USB connection is preferred, and it is recommended to use the original USB cable of the mobile phone.

Vehicle control

Click on navigation bar icon at the bottom infotainment system to enter vehicle control interface.

1. Driving mode setting: Economy, Standard and Sport can be selected.

2. Energy recovery during coasting setting: No, Comfort, Strong can be selected.

3. Quick setting of common functions: click to turn on or off the dome lamp, auto-hold, HDC and ESC OFF.

4. Intelligent control area: Click the icons around the 3D car model to quickly control some functions of the vehicle.

5. Click to switch to view and enter the quick control, driving experience, light, body and chassis, ADAS*, connection settings, display, sound, maintenance reservation, ex-factory and upgrade interfaces and make settings. Click button behind the setting item to view the function configuration instructions to understand the specific functions of each function item.

Scenario name	Including function setting name
Driving experience	Driving mode, brake pedal force adjustment, ESC OFF, auto-hold, HDC, convenient getting on and off, energy recovery during coasting, comfort stop, car washing/towing mode, steering feel mode setting, and square control button customization
Light	Light position, headlamp height adjustment, rear fog lamp, dome lamp
Body and chassis	Locking feedback, tailgate angle adjustment, wiper sensitivity adjustment, locking rearview mirror folding, locking with window lifting, outside rearview mirror folding
ADAS*	Forward collision assist, LDA, intelligent high beam control, traffic sign recognition
Connection settings	WI-FI, hotspot, Bluetooth
Display	Instrument brightness, door lock brightness, day and night modes, time setting, wallpaper setting, driving video warning

Scenario name	Including function setting name
Sound	Volume adjustment, sound effect setting, alert tone, ambient sound effect, low-speed driving sound
Maintenance reservation	Vehicle inspection, peripheral service station
Ex-factory and upgrade	Check for updates, make an reservation for upgrade, restore ex-factory settings, and reset the wireless terminal

OTA upgrade

Description of system upgrade terms

Click [Vehicle Control] - [Ex-factory and Upgrade] - [Check for Updates] in the navigation bar at the bottom of infotainment system, the [System Upgrade Terms and Conditions] will pop up, click [Agree] to proceed with the system upgrade.

Reservation upgrade

In the factory and upgrade interface, click [Upgrade Reservation] to set the time for upgrade reservation. The reservation result will be displayed on the infotainment system.

Precondition detection

Before starting the upgrade, the system will detect the charging status, power supply status, position, vehicle speed and other vehicle status. Start the upgrade after all the test conditions are passed. Do not start the vehicle and do not perform any operation during the upgrade.

Caution

- The above illustration may be inconsistent with the actual situation due to system upgrade and other reasons. Please refer to the actual vehicle.
- When there is an existing reserved charging task, reservation upgrade is not supported.
- During the use of the vehicle, the current reservation upgrade will become invalid.
- After the reservation upgrade, if the reservation charging is performed again, the reservation upgrade task will fail.
- If the upgrade fails, please try again or go to the Forthing Special Service Station for handling.

Storage device

Door storage compartment

Door storage compartments are designed on the front and rear door interior trim panels for placing water cups and other items.

Dashboard storage box

A storage box is provided on the left side of the dashboard, which can be opened by pulling the buckle and closed by pushing it back.

Console storage

Upper storage box of console

There are two storage compartments on the upper part of the console, which are closed. Press the open button when using, and press the cover until you hear a "click" sound when closing.

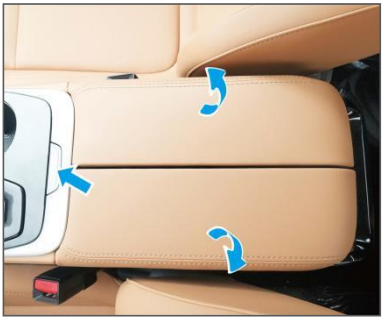
Lower storage compartment of console

There is a storage compartment under the console, where you can place some small items, such as mobile phones, keys, etc.

Rear storage compartment of console

The rear storage compartment of console is located below the rear air outlet, where you can place items such as mobile phones.

Central storage box



Press the front buckle of the center storage box, and the left and right handrails will open automatically.

A vent is designed in the central storage box, which can be opened or closed by turning the switch.

Glove box

The glove box is located on the right side of the dashboard and can be used to store documents and data. Pull the glove box handle outward to open it, and push it back to close it.

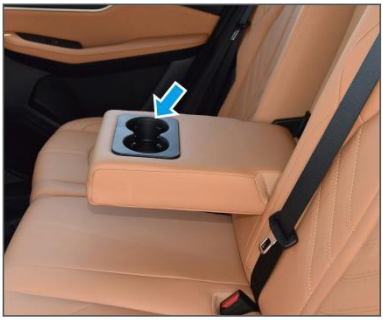
Seat back publication pocket

The publication bag is located on the back of the front seat and is used to hold small items such as plastic bags and tissues.

Cup holder

Front passenger cup holder

Rear passenger cup holder



There is a cup holder on the rear center armrest, and the cup holder can be turned out by pulling down the strap.

The cup holder can be used to hold cups, bottles and other items, which is convenient for travel.

Glasses case

Press the glasses case to slowly open it, and push it back to close it.

Other devices

Sun visor

Turn the sun visor down to block the front sunlight. If you need to block the strong light on the side, first disengage the left/right support rod from the buckle clip, and then turn the sun visor to the side.

Cosmetic mirror

The inner side of the sun visor is equipped with a cosmetic mirror. Turn down the sun visor and push the cosmetic mirror cover to the left/right to use it.

Top handle

Handles are provided on the front passenger side and both sides of the rear for passengers to use in special circumstances.

Hook

Dashboard hook

The left side of the glove box is designed with a hook, which can be used to hang light objects such as water cups. Open by pressing the groove and close by pressing the rib.

Side wall hook

The left and right B-pillars are equipped with hooks for passengers.

Caution

- The maximum bearing capacity of the hook is 3 kg. Do not hang overweight objects.
- Do not hang clothes hangers or other hard objects on the side wall hook.

Start the vehicle

Vehicle power-on/power-off

ON : After the vehicle is unlocked, open the driver's door, the vehicle automatically powers on, and combination instrument and infotainment system light up.

READY: After you enter the vehicle with smart key and press the brake pedal, the READY indicator lamp on the combination instrument lights up, and the vehicle is now ready to drive. After placing the shift lever in D/R position, release the brake pedal to start driving.

OFF: After the vehicle is parked, press the P button and unfasten driver seat belt. When the driver seat is not occupied, if you close all doors and lock the vehicle with smart key, the vehicle will be automatically powered off.

Caution

- When the vehicle is in the ON position, the power battery SOC will be consumed and the pure electric endurance range will be reduced when the A/C is used.
- When the power battery SOC is low, the vehicle will be power-off automatically to avoid power battery power loss. At this time, the driver's door can be closed and then opened again to power on the vehicle again.
- When the vehicle is in READY state and the power battery SOC is detected to be low, the extender will be started automatically to charge the power battery. The extender will not be started automatically in other cases.
- The READY indicator lamp is on, indicating that the vehicle is ready for driving. When the vehicle is not in motion, make sure that the vehicle is in P position or N position.
- If the READY indicator lamp flashes, there is a door not closed properly. Please check the door closing condition.
- The extender may not operate when the vehicle is running. The distance traveled in pure electric mode is related to factors such as power and driving power of the vehicle.
- If the outside temperature is extremely low, the power battery is unavailable at this time, and you must wait until the conditions improve before driving. In this case, the vehicle cannot be started and the READY indicator lamp will not light up. If the vehicle is used in an extremely low temperature environment, please give priority to indoor parking.
- The discharge capacity of the power battery will be greatly limited at extremely low temperatures. In order to avoid difficulty in starting the vehicle after parking, please keep the power battery with a high power level when parking the vehicle.
- Please confirm that the vehicle is locked successfully before leaving.

Vehicle fails to start

If the brake pedal is depressed after the vehicle is powered on, and the READY indicator lamp does not light up, it indicates that there may be a power failure affecting the power-on of the vehicle or the power-on conditions are not met. Please check according to the prompts on the combination instrument:

1. If the combination instrument displays "Electronic Anti-theft Failed", check whether the smart key is in the vehicle and near the front passenger cup holder.

2. If the combination instrument prompts "12V Low-voltage Battery Power is Low" or the combination instrument cannot be lit, it means that the 12V low-voltage battery power may be used up. You can try to start the vehicle by jumper. See "Jump Start" in the section "Emergency Self-help Treatment" for details.

3. Close the driver's door and reopen it, depress the brake pedal, and try to power on the vehicle again to enter the READY state.

4. The combination instrument prompts "Power System Failure". Please contact the Forthing Special Service Station.

Caution

If it fails to start successfully for many times, please contact the Forthing Special Service Station.

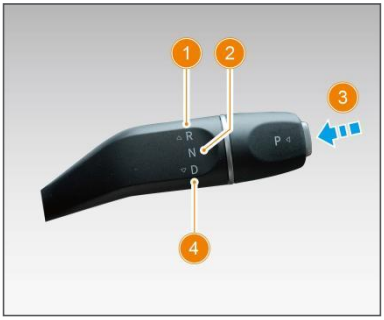
Starting the vehicle with the smart key at low battery

When the smart key has low power and cannot unlock and start the vehicle, you can start the vehicle in the following ways:

Use the mechanical key to open the driver's door, put the smart key into the first cup holder of the front passenger cup holder (in the front direction of the vehicle), and then depress the brake pedal to start the vehicle (if the smart key power is too low, the key may not be recognized and the vehicle cannot be started).

Gear shifting

1. Shift lever



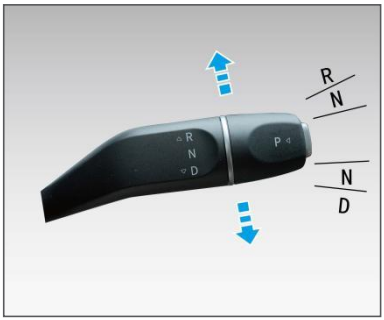
1. R position (reverse position)

2. N position (neutral position)

3. P position (parking position)

4. D position (driving position)

The combination instrument will display the position in which the vehicle is located.



The positions are arranged from top to bottom in the order of R-N-D. Push the shift lever upward or downward in the direction parallel to the steering wheel to switch to R, N and D positions. The shift lever will be automatically reset after each shift operation.

Introduction to positions

P position (parking position)

When the vehicle is started, it is in P position (initial position) by default. Use this position when parking. Be sure to stop the vehicle completely before enabling P position.

D position (driving position)

Use this position when driving forward after the vehicle is started (the READY indicator lamp of the combination instrument is on).

R position (reverse position)

After the vehicle is started (the READY indicator lamp of the combination instrument is on), use this position during vehicle reversing. Be sure to stop the vehicle completely before enabling R position.

N position (neutral position)

When the vehicle is in this position, the drive motor cannot output power and will not support auxiliary parking.

Driving

Shift to P position

Step on the brake pedal, after the vehicle stops completely, press the P button to confirm that the combination instrument position is displayed as P position.

Shift to R position

After the vehicle is started, press the brake pedal and push the shift lever up to the R position.

Shift to N position

Press the brake pedal, push the shift lever up or down to the N position and hold it for about 1 second.

Shift to D position

After the vehicle is started, press the brake pedal and push the shift lever down to the D position.

Description of gear shifting conditions

1. When the vehicle is not started, the position can only be switched between P position and N position.

2. To exit the P position, the driver door needs to be closed or the driver's seat belt needs to be fastened. While stepping on the brake pedal, operate the shift lever to exit the P position and enter other positions.

3. To engage R or D position, the READY indicator lamp on the combination instrument panel shall be on. Depress the brake pedal and operate the shift lever at the same time to engage R or D position.

4. When the actual position is D or R, operate the shift lever to switch to N position and stay for about 1 second, and then switch to N position.

Driving mode

The vehicle has three driving modes: economy, standard and sport.

The driving mode can be selected in one of the following ways:

1. On the intelligent control theme interface of the infotainment system, click the option of the [Driving Mode] function card on the left side of the content area to quickly select the driving mode.

2. Click [Vehicle Control] - [Quick Control] or [Driving Experience] in the navigation bar at the bottom of infotainment system, you can select different driving modes according to your needs.

The driving mode memory function can be turned on or off in the [Driving Experience] interface.

The vehicle is started in economy mode by default.

Economy mode (ECO)

In this mode, all systems of the vehicle can work under economical and energy-saving conditions. It is recommended that this mode be preferred in daily use.

NORMAL

This mode pays more attention to driving comfort and belongs to a mode between energy saving and performance.

SPORT

The power performance of the vehicle can be fully reflected in this mode. When using this mode, please observe the road conditions and keep a safe distance from the vehicle ahead.

Caution

● The vehicle may cause the driving wheel to slip during abrupt acceleration, and the acceleration performance can be fully utilized only on suitable roads. The acceleration performance is related to factors such as weather conditions, vehicle load distribution, load conditions, road conditions and operating habits.

● The driving economy (power consumption and endurance range) is related to driving habits, road conditions, weather, load conditions, whether to turn on the A/C, open the window, tire pressure and other factors. In order to reduce power consumption and extend the endurance range, please gently step on the accelerator pedal to avoid abrupt acceleration, and turn off the window when the speed is high.

Energy Management Mode

The vehicle is a hybrid power system model, with five energy modes: forced pure electric, pure electric priority, gas-electric hybrid, fuel priority, and forced power generation.

You can enter the Energy Center interface in any of the following ways:

1. Click the [Charging Reservation] function card on the left side of the infotainment system homepage content area to enter the Energy Center interface.

2. Click [App Center] - [Energy Center] in the navigation bar at the bottom of infotainment system to enter the Energy Center interface.

Click [Setting] on this interface to select different energy modes according to the current driving state.

Forced pure electric

In this mode, the vehicle uses pure electric drive and will automatically exit this mode when the power battery is used to the lowest level. It is recommended to use it when the trip is relatively short and the power performance requirements for the vehicle are not high. When the power battery SOC is low, the power performance of the vehicle will be limited. When abrupt acceleration is required, the accelerator pedal can be stepped on deeply, and the extender will be started urgently to improve the acceleration performance of the vehicle. The extender will stop after the accelerator pedal is released.

Pure electric priority

In this mode, the vehicle gives priority to pure electric drive and avoids starting the extender as much as possible. It is recommended to use it in road conditions with relatively short trips and low requirements for vehicle power performance. If you have a private charging pile, you can use this mode first to reduce the cost of using the car.

Gas-electric hybrid

In this mode, the power battery will maintain a relatively suitable power, and can also maintain good power performance when acceleration is required, which is suitable for use in suburbs or in daily inconvenient charging situations.

Fuel priority

In this mode, power battery will maintain a relatively high charge and have better power performance, making it suitable for use in mountainous or long-distance road conditions. If the vehicle is driven at a high speed for a long time, the extender will be started even if the power battery SOC is high, so as to obtain the best high-speed fuel economy.

Forced power generation

In this mode, the power battery SOC will be maintained at a very high level with the best power performance. If it is in the sport mode, the extender will be kept running. The best power performance can be obtained in this mode.

Caution

● The forced pure electric mode and forced power generation mode are the best for vehicle cost and power performance. They will automatically exit after the vehicle is power-off. Other modes have a memory function, and will automatically enter the energy management mode of the last power-off when the vehicle is started next time.

● Under the road conditions at higher altitudes, the performance of the extender will be reduced. In order to maintain good power performance of the vehicle, it will automatically exit to the gas-electric hybrid mode when the vehicle speed is high in the forced pure electric or pure electric priority mode.

● When the vehicle is started and it is detected that it is in a high altitude area, it will automatically enter the gas-electric hybrid mode or the memory fuel priority mode, but you can still choose to enter the forced power generation mode. If the vehicle speed is low, when the forced pure electric or pure electric priority mode is selected, the vehicle will not automatically switch to the gas-electric mode.

Energy recovery

The vehicle has energy recovery during coasting and braking energy recovery, which makes your driving more economical and energy-saving.

Energy recovery during coasting

Selecting the level of appropriate energy recovery during coasting in different road conditions can bring you better driving experience and longer endurance range, making your vehicle more energy-saving and economical.

After the vehicle stops, click [Vehicle Control] - [Quick Control] or [Driving Experience] in the navigation bar at the bottom of infotainment system, you can select the level of energy recovery during coasting [None], [Comfort] or [Stronger] according to your driving habits, and this selection can be automatically memorized.

When the energy recovery during coasting is in [None] position, there is a weak drag feeling during coasting; In the [Strong] position, there is a strong drag feeling during coasting

Braking energy recovery

When the brake pedal is pressed, the vehicle will enter the braking energy recovery. Braking energy recovery is generally more powerful than energy recovery during coasting, which can reduce the vehicle speed in a short time, obtain more energy recovery, and achieve better energy-saving effect.

Energy recovery may not be performed in the following cases:

1. When the power battery SOC is high, more electricity cannot be stored.

2. When the vehicle speed is too low, the vehicle will drive at a lower speed without energy recovery during coasting because the vehicle has the creeping function. After the vehicle enters the D/R position, the accelerator pedal is not depressed and the brake pedal is released.

3. When the vehicle speed is too high, the driving resistance of the vehicle is relatively large. In order to maintain good driving comfort, energy recovery during coasting is not carried out at a higher speed.

4. When the vehicle is on muddy, icy, slippery and other roads, the safety assistance system (such as ABS, etc.) is activated.

5. The vehicle has a limited driving fault. In case of fault indication, please contact the Forthing Special Service Station.

6. When the adaptive cruise control function is activated.

Fuel filling

Fuel requirements

Please add fuel according to the fuel type indicated on the label of the fuel filler cap.

Caution

Filling the wrong type of fuel will cause damage to the extender. Do not start the vehicle and contact the Forthing Special Service Station in time.

Opening and closing fuel filler cap

Open

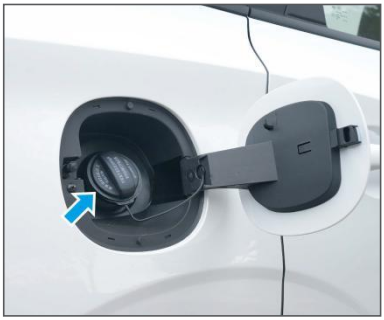
1. The vehicle uses a high-pressure fuel tank system. When the vehicle is in power-off state and the position is in P position, press the fuel filler cap switch of the dashboard switch block, and the fuel tank starts to release pressure.

2. After waiting for about 10 seconds, when the vehicle is in the unlock state, press the left side of the fuel filler cap to open the fuel filler cap.

Close

Close the fuel filler cap, and lock the fuel filler cap after the vehicle is locked or the driving speed is ≥10 km/h.

Fuel filling



Turn the fuel filler cap counterclockwise to slowly open it and add fuel. After the refueling is completed, turn the filler cap clockwise until you hear a "click" sound, and close the fuel filler cap.

Caution

- If the fuel tank is not filled and the refueling gun frequently jumps during the refueling process, please stop refueling and contact the Forthing Special Service Station under the condition of safety.
- The fuel shall be filled within 30 minutes after the fuel filler cap is opened, otherwise the fuel tank pressure relief valve will be automatically closed and the refueling cannot be continued. Therefore, if the fuel filling is not completed for more than 30 minutes, please turn off the fuel filler cap, press the fuel filler cap switch again, and open the fuel filler cap after the pressure relief is completed.
- If the fuel filler cap cannot be opened successfully, please contact the Forthing Special Service Station.

Warning

- Refuel the vehicle after power-off.
- When refueling, keep away from heat source and open flame.
- If the fuel accidentally comes into contact with the skin, the fuel on the skin shall be cleaned immediately.
- If fuel splashes into the eyes, thoroughly clean the eyes with clean water and seek medical assistance immediately.
- After the refueling gun is automatically closed for the first time, stop refueling. At this time, there is a certain space in the fuel tank to deal with the fuel expansion when the temperature changes. Otherwise, the fuel tank will be filled up, and the fuel expansion will cause fuel leakage in hot environment.

Parking brake

EPB

The EPB switch is integrated into the P button. After stepping on the brake pedal and stopping the vehicle smoothly, the driver can press the P button to park the vehicle reliably.

EPB manual parking (P position parking) conditions

1. The vehicle is in power-on state.

2. The EPB is in the released state.

3. The vehicle speed is less than 4 km/h.

If all the above conditions are met, the driver presses the P button, confirms that the combination instrument position is displayed as P position, and performs manual parking.

EPB automatic parking (power-off parking) conditions

1. The vehicle is in power-on state.

2. The EPB is in the released state.

3. The vehicle speed is less than 4 km/h.

4. In non-towing mode. If all the above conditions are met, the vehicle is power-off with automatic parking.

Conditions for manual release of EPB parking (shift release)

1. The vehicle is in power-on state.

2. The EPB is in the parking state.

3. The position is in P position.

4. Depress the brake pedal. If all the above conditions are met, the driver will switch the position out of the P position and manually release the parking.

Conditions for automatic release of EPB parking (automatic release)

1. The vehicle is in power-on state.

2. The EPB is in the parking state.

3. The position is D/R.

4. The driver's side door is closed and the seat belt is fastened.

If all the above conditions are met, the driver shall press the accelerator pedal to automatically release the parking.

Emergency brake function

This function can only be used when the brake pedal fails or is blocked. Keep pressing and holding the P button to brake the vehicle with the EPB. As long as the P button is released, the emergency brake can be exited.

Caution

When the operating voltage of EPB is lower than 9V or higher than 16V, it may fail.

Warning

Try to avoid using the emergency brake function. On roads with large bends, poor road conditions or slippery roads, using the emergency brake function may cause the vehicle to drift and sideslip.

Auto-hold function (AUTO HOLD)

The AUTO HOLD function can help the driver to continue to brake when the brake pedal is released on a ramp or at a traffic lamp intersection.

Turn on or off the AUTO HOLD function

The AUTO HOLD function can be turned on or off in any of the following ways:

1. Click [Vehicle Control] - [Quick Control] or [Driving Experience] - [Auto-Hold] in the navigation bar at the bottom of infotainment system.

2. Click [Auto-Hold] of the pull-down menu on the infotainment system.

When the function is turned on or off, the combination instrument auto-hold indicator lamp will light up or go out.

Activate the AUTO HOLD function

When the function switch is turned on, the AUTO HOLD function can be activated if the following conditions are met:

1. Vehicle is started.

2. The driver has fastened the seat belt.

3. The driver's door is closed.

The vehicle will be automatically braked after the driver depresses the brake pedal to stop the vehicle, and the auto-hold activation indicator lamp on the combination instrument will light up. At this time, the driver can release the brake pedal.

When starting, no matter whether it is on a flat road or is driving uphill or downhill, the accelerator pedal needs to be pressed and then the parking can be automatically released; otherwise the vehicle may not be able to start.

If the driver's door is opened, the driver's seat belt is released or the vehicle is power-off, it will be converted to EPB parking and the AUTO HOLD function will exit to ensure parking safety.

Caution

- When the combination instrument ESP activation/malfunction indicator lamp is on, the AUTO HOLD function will fail.
- When the AUTO HOLD operating voltage is lower than 9V or higher than 16V, the AUTO HULD function will fail.

Traction control system (TCS)

During driving, the TCS system reduces the wheel slip in its direction of rotation by controlling the drive motor output power and braking the driving wheels appropriately.

Brake Assist System

Brake assist (BA)

The driver can brake in time under most dangerous conditions, but the force to depress the brake pedal is insufficient, resulting in an increase in the brake distance. For vehicles with BA system, the BA system will be activated when the brake pedal is quickly depressed during driving. At this time, the BA system will generate a larger brake force than that during normal braking, thus shortening the brake distance and ensuring your safety.

BOS

The brake override system can automatically reduce the driving force of the vehicle to zero when it detects that the driver steps on the brake pedal, and then the vehicle will enter the braking energy recovery state.

Anti-lock braking system (ABS)

Operating principle

The ABS system controls the brakes of the vehicle and adjusts the brake force by detecting the speed of each wheel to prevent wheel lock and sideslip. During braking, the steering wheel can still be used to avoid collision.

System self-inspection

The ABS system has a built-in self-inspection function. When starting the vehicle and driving at low speed, the system will perform self-inspection. If there is a malfunction, the self-inspection function will shut down the ABS system and illuminate the ABS system malfunction warning lamp on combination instrument . At this time, the brake system works normally, but the ABS system does not work. If the ABS system malfunction warning lamp goes on during self-inspection or driving, please contact Forthing Special Service Station.

Normal work

The ABS system will be turned on automatically when the vehicle speed reaches more than 5 km/h. When the ABS system detects that one or more wheels are approaching the locked state, the actuator quickly acts to release and restore the brake force. When the actuator is working, you may feel a slight vibration of the brake pedal and hear a vibration sound from the actuator under the engine hood. This is normal and indicates that the ABS system is working normally.

Caution

- The ABS system cannot reduce the brake distance.
- During emergency braking, the steering shall be moderate.
- The ABS system does not work when the vehicle is in P position.

Electronic brake force distribution (EBD)

The EBD system will automatically distribute the brake force between the front and rear wheels, so that the vehicle can have good braking performance under different load conditions.

Electronic stability control (ESC)

The ESC system can improve the stability of the vehicle. When the ESC system detects a deviation between the desired driving state and the actual body state, the ESC system will start to work. The ESC system selectively applies brake force to the vehicle brake to improve the stability of the vehicle.

Turn on or off the ESC system

The ESC system is turned on by default. The ESC system can be turned on or off in one of the following ways:

1. Click [Vehicle Control] - [Quick Control] or [Driving Experience] - [ESC OFF] in the navigation bar at the bottom of infotainment system.

2. Click [ESC OFF] of the pull-down menu on the infotainment system.

When the switch is turned on, the ESC system is turned off, and the ESP OFF indicator lamp on the combination instrument is on. When the vehicle speed exceeds 80 km/h, the system will be automatically turned on, and the ESP OFF indicator lamp on the combination instrument will go out.

When the switch is turned off, the ESC system is turned on, and the ESP OFF indicator lamp on the combination instrument goes out.

Caution

- If wheels, rims and brake-related components other than those recommended by Forthing are used, the ESC system may not work properly and the ESP activation/malfunction indicator lamp may light up.

Caution

- When the vehicle is in P position, the ESC system does not work.
- Do not modify the vehicle suspension.
- The ESC system cannot replace the use of winter tires or tire anti-skid function on snowy roads.
- Try to avoid driving on a very inclined road.
- The ESC system cannot prevent accidents caused by sudden steering at high speed or dangerous driving techniques.
- ESC system can assist in controlling the stability and driving force of the vehicle. Do not turn it off if unnecessary.

Recommendations for reasonable use of brake system

Do not put your feet on the brake pedal when driving. This will overheat the brake, accelerate the wear of brake discs and friction plates and increase energy consumption.

When going down a long slope, try to avoid frequent braking to avoid overheating of the brake and reduction of braking performance.

Drive carefully when driving on smooth roads. Sudden braking or acceleration can cause the wheels to slip.

When washing the vehicle, wading or driving in rainy days, the brake may become wet and the braking performance may be reduced. At this time, drive at a safe speed and pay attention to keeping the distance between vehicles.

The vehicle will enter energy recovery when coasting at a higher speed, and the power battery may be fully charged and unable to enter energy recovery when going down a long slope. Please keep a proper safe distance when driving the vehicle, and step on the brake pedal to control the speed if necessary.

Hill hold control (HHC)

When the vehicle starts on a steep or smooth slope, the vehicle may slide downward when the driver switches from the brake pedal to the accelerator pedal, resulting in difficulty in starting. To prevent this, the HHC system temporarily (about 2 seconds) applies brake force to all four wheels to prevent the vehicle from coasting.

The HHC system will operate automatically under the following conditions:

1. When the vehicle is in D or R position and going uphill.

2. If you step on the brake pedal, the vehicle stops completely on a ramp.

The HHC system will not operate under the following conditions:

1. The position is in N position or P position, or the vehicle is on a level road.

2. When the ESP OFF indicator lamp in the combination instrument is on.

Warning

- Do not rely only on the HHC system to prevent the vehicle from coasting down a ramp.
- When the vehicle is parked on a steep slope, icy or muddy road, the brake pedal shall be stepped on to prevent the vehicle from coasting backwards.

Hill descent control (HDC)

The HDC system allows the vehicle to pass steep downhill sections smoothly with the driver not stepping on the brake pedal.

Turn on or off the HDC system

The HDC system can be turned on or off in one of the following ways:

1. Click [Vehicle Control] - [Quick Control] or [Driving Experience] - [HDC] in the navigation bar at the bottom of infotainment system.

2. Click [HDC] of the pull-down menu on the infotainment system.

After the HDC is turned on, the HDC activation indicator lamp on the combination instrument will light up. When you click [HDC] again or the vehicle speed exceeds 60 km/h, the HDC activation indicator lamp will go out and the HDC system will be turned off.

Braking through HDC

When the vehicle is going down a steep slope, the HDC system will actively work to keep the vehicle speed within the range of 8 km/h to 35 km/h. The driver can adjust the speed to the required value when the vehicle goes downhill with the HDC by depressing the accelerator pedal or brake pedal.

When the HDC system performs active braking, the HDC activation indicator lamp on the combination instrument flashes, the brake lamp of the vehicle will light up, and the ESC system of the vehicle will emit a motor working sound, and the brake will emit a braking sound, which is normal.

Warning

- Before using the HDC, the driver needs to confirm that the system is on.
- The HDC system controls the vehicle speed by assisting the driver to step on the brake pedal or accelerator pedal. The driver needs to pay attention to controlling the vehicle at all times to ensure driving safety.

Brake boost

When the force applied to the brake pedal exceeds a certain level, the brake boost will be turned on. At this time, even if the brake pedal is lightly pressed, a large brake force will be generated, which is convenient for easy driving.

Brake pedal force adjustment

The driver can adjust the brake pedal force feeling according to his preference.

Click [Vehicle Control] - [Driving Experience] in the navigation bar at the bottom of infotainment system, you can adjust brake pedal feel to [Comfort], [Standard] or [Sport].

After the vehicle is restarted, the brake pedal force will remember the last setting state.

Comfort stop (CST)

When the vehicle is being braked on a flat horizontal road, before the vehicle stops, the CST system can appropriately reduce the brake pressure to make the vehicle stop smoothly, reduce the pitch jitter when the vehicle is parked, and thus improve the braking comfort.

Turn on or off the CST system

The CST system can be turned on or off in one of the following ways:

1. Click [Vehicle Control] - [Driving Experience] in the navigation bar at the bottom of infotainment system, you can turn on or off the [Comfort Stop].

2. Click [Comfort Stop] of the pull-down menu on the infotainment system.

After the vehicle is powered on again, the CST system will memorize the last setting status.

Brake-by-wire system

The brake-by-wire system can detect the driver's braking intention and provide the brake pressure.

Caution

Failure conditions of CST function:

- The vehicle is in P position or R position.
- The CST system is turned off.
- The vehicle is running on bumpy or sloped roads.
- The brake pedal is depressed too lightly or the brake force is too large.
- The steering wheel angle or lateral acceleration is too large.
- The brake disc temperature is too high.
- Emergency conditions such as ABS, EBD and BA occur during braking.
- The brake pedal is unstable or the driver's braking force is not applied gently.
- Brake-by-wire system fails.

The brake-by-wire system will generate noise under the following conditions:

- After the vehicle is started, a short "click" sound will be heard, which is the sound of the brake-by-wire system performing self-test and is normal.
- When the vehicle accelerates to about 15 km/h, a short "buzz" sound will also be generated, which is the sound of the ABS system during self-test and is normal.

The brake-by-wire system will also make a sound during normal operation, mainly in the following aspects:

1. The sound of motor, solenoid valve and pump in the brake-by-wire system.
2. The sound caused by the rebound of the brake pedal.
3. After the vehicle is started, the brake-by-wire system will perform self-test. During the self-test, stepping on the brake pedal will make a "click" sound, which is normal.

Electric power steering

The electric power steering system can provide power assistance while driving, so that the driver can turn the steering wheel easily.

Click [Vehicle Control] - [Driving Experience] in the navigation bar at the bottom of infotainment system, you can set the steering feel mode to [Comfort], [Standard] or [Sport].

Comfort: The steering assistance is increased, making steering easier.

Standard: The steering assistance is moderate and suitable for normal driving habits. This is the default.

Sport: The steering assistance is reduced and the steering feel is stable.

Caution

- Please select the steering mode when the vehicle is stationary and the steering operation is not performed.
- When parking or driving at very low speed, if the steering wheel is turned repeatedly and continuously or the steering wheel is turned to the end for a long time, the electric power steering system will overheat, and the power assist of the steering motor will be reduced or even temporarily unavailable. To avoid this situation, do not perform the above operations.
- When the steering wheel is turned quickly, the sound of the steering power motor working may be heard, which is normal and not a fault.

Driving tips

Vehicle running-in period

Special attention shall be paid to the driving mode during the 1,000 km of the new vehicle, which will help ensure the reliability of the vehicle and prolong the service life of the vehicle. At this stage, the following should be noted:

1. Avoid driving the vehicle under full load, and do not overload.

2. Try to avoid stepping on the brake pedal suddenly.

3. Avoid towing the vehicle as much as possible.

4. It is recommended to try driving under different working conditions.

Caution

The above precautions shall also be followed after overhaul or replacement of the extender and brake linings.

Precautions for safe driving

In case of serious traffic accident or serious collision on the front, side and rear of the vehicle, immediately press and hold the hazard warning lamp switch for more than 4 seconds to turn off the vehicle power supply. All personnel in the vehicle shall get off and contact the Forthing Special Service Station.

The vehicle should try to avoid pits, large stones, potholes, and high buffer strips, and avoid wading to prevent the battery pack from being soaked in water. In case of any abnormality, first ensure the safety of personnel, press and hold the hazard warning lamp switch for more than 4 seconds to turn off the vehicle power supply, and contact the Forthing Special Service Station.

Night driving

Driving at night is more dangerous than driving during the day, mainly due to poor vision at night and easy fatigue of drivers. Please pay attention to the following when driving at night:

1. It is strictly forbidden to drive under the influence.

2. Adjust the position of the vehicle inside rearview mirror to reduce glare.

3. Keep a greater distance from the vehicle ahead.

4. Drive carefully and beware of animals.

5. Drive at low speed.

6. Pay attention to the dazzling of the meeting lamps, slow down the vehicle speed, and avoid looking directly at the headlights of the opposite vehicle.

7. Do not drive in fatigue. If you are sleepy, park the vehicle at a safe place on the roadside for rest in time.

8. Keep all glass clean to avoid dazzling light and blocking the line of sight.

Driving under the influence

Do not drive under the influence. Driving under the influence is very dangerous. Even a small amount of alcohol can affect a person's reaction, perception, attention and judgment. Driving under the influence not only causes accidents but also serious personal injury or death. The Transportation Department will, in accordance with the provisions of the Law of the People's Republic of China on Road Traffic Safety, impose corresponding penalties on driving under the influence of alcohol.

Wading

In order to avoid damage to the vehicle during wading, pay attention to the following:

1. Determine the water depth before wading. The water level can only reach 1/4 of the height of the wheel at most.

2. Drive at a maximum speed of 10 km/h. If the vehicle speed is too high, waves may form in front of the vehicle, causing water to enter the extender intake system or other parts of the vehicle, causing damage to the vehicle.

3. Do not stop, reverse or power-off the vehicle in the water under any circumstances.

Caution

- When the vehicle passes through water or muddy roads, the braking effect may be affected and the brake distance may be prolonged, which may cause accidents!
- Avoid abrupt acceleration driving or emergency brake operation immediately after wading.
- During wading, some parts of the vehicle, such as drive motor, chassis or electrical system, may be damaged.
- After wading, when the traffic conditions permit, the brake must be cleaned and dried by intermittent braking as soon as possible. Do not affect other traffic participants to avoid traffic accidents.

Caution

- The waves caused by the oncoming vehicle may exceed the allowable fording height of the vehicle.
- There may be potholes, mud puddles or stones hidden in the water, which will increase the difficulty of wading or hinder wading.
- Try to avoid driving on the road with more water. After driving on the road with more water, it is recommended to go to the Forthing Special Service Station to conduct a comprehensive inspection of the vehicle, check hidden dangers and ensure driving safety.

Long distance driving

Before long distance driving, please confirm that you have made relevant preparations and try to have a good rest.

Please check the following parts of the vehicle before traveling:

1. Check whether the washing liquid reservoir is full and whether the inside and outside of all windows are clean.

2. Check whether the fuel, engine oil and other fluids reach the specified level.

3. Check whether the lamps work normally.

4. Check whether the surface of the lamps is clean.

5. Check whether the tire tread pattern is suitable for long distance driving and whether all tires are inflated to the recommended pressure.

Driving in rainy days and on slippery roads

Please pay attention to the following when driving in rainy days:

1. Heavy rain will make the sight worse and increase the brake distance. Be sure to slow down.

2. The wiper shall be checked frequently. If there are stripes or missing scraping areas on the windshield, please replace the wiper blade in time.

3. If the tire of the vehicle is in poor condition, the vehicle may slip when braking on a slippery road, and even accidents may occur. Therefore, please ensure that the tire of the vehicle is in good condition.

4. Turn on the headlights and hazard warning lamp of the vehicle.

5. Be sure to slow down when passing through waterlogged roads.

6. If the brake is wet, please gently press the brake pedal during driving until the brake returns to normal.

7. During driving, do not turn sharply or step on the brake pedal sharply to avoid accidents.

8. After wading, the brake can be dried by slowly depressing the brake pedal during low-speed driving.

Driving on ramps and mountainous roads

When driving on ramps and mountainous roads:

1. Please keep the vehicle in good condition.

2. Pay special attention when driving uphill over the top of the slope. There may be obstacles in your lane.

3. Special warning signs may be seen on mountainous roads. Pay attention to these signals and take appropriate measures when driving.

Driving on ice and snow-covered roads

1. When driving in snow, use snow tire as much as possible. Please select a snow tire of the same size and model as the original tire.

2. When driving in the snow, high speed, abrupt acceleration, emergency brake and small-angle turns are very dangerous and should be avoided as much as possible.

3. When driving on icy ground, emergency brake will cause the vehicle to drift. Please keep a safe distance.

Driving in winter

The harsh driving environment in winter will increase the wear of the vehicle or cause vehicle failure. The following recommendations can be used to reduce the probability of failure:

1. If necessary, replace the low-viscosity extender oil for winter.

2. Check the specifications of the coolant to confirm whether the freezing point is suitable for the expected temperature in winter. At present, the freezing point of the coolant produced by Dongfeng Liuzhou Motor Co., Ltd. is -35°C (model OAT-35), and the freezing point of the low-temperature coolant is -45 °C (model OAT-45). If the demand is not met, the coolant that meets the demand needs to be replaced.

3. Check the wiper to ensure that the wiper blade can be wiped freely.

4. Carry appropriate emergency equipment according to weather changes.

Parking assist system

Introduction

The parking assist system can assist the driver in observing and perceiving the surrounding environment during low-speed driving or parking, and provide visual and auditory prompts or warnings to the driver when there are obstacles that hinder driving or parking.

The main functions of the parking assist system include:

1. Parking radar system.

2. Surround view.

Parking radar system

The parking radar system can detect the obstacles around the vehicle when the vehicle is running at a low speed, and issue a warning when the vehicle is approaching the obstacle, so as to assist the driver in ensuring the safety of reversing.

When the parking radar system is turned on, the system will automatically detect whether the function is normal. If the system is normal, it will sound once for 0.5 seconds. If the system beeps once for 3 seconds, it indicates that the system is faulty. Please contact the Forthing Special Service Station.

Front radar*

Touch the front radar switch in the surround view interface or radar alarm window to turn on or off the front radar.

ON

When the vehicle is in the power-on state, the front radar system is in the state set after the last shutdown of the vehicle power supply.

The front radar system can be turned on when the following operations are met at the same time:

1. The vehicle is in power-on state.

2. The shift lever is in non-P position.

3. The vehicle speed shall not exceed 15 km/h after starting or decelerate from a higher speed to 10 km/h during driving.

4. Turn on the front radar switch.

Close

The front radar system can be turned off by any of the following operations:

1. Power off of the vehicle.

2. Press the P button.

3. Vehicle speed over 15 km/h.

4. Turn off the front radar switch.

Reversing radar

ON/OFF

When the vehicle is in the power-on state and the position is switched to R position, the reversing radar will be automatically turned on, and the system will be automatically turned off after exiting the R position.

Detection range

The detection range of the parking assist system radar sensor is shown in the table below:

Sensor position	Maximum detection distance (cm)
Both sides of the rear	70
Rear middle	150
Both sides of the front*	70
Front middle*	120

Alarm mode

When an obstacle is detected within the detection range of the parking radar, the infotainment system will display an alarm and an audible alarm. The closer the vehicle is to the obstacle, the more urgent the alarm sound will be. When the vehicle is about to collide with the obstacle, the alarm will sound continuously. At this time, the vehicle shall not continue to run to avoid collision.

With the change of obstacle distance, color distinction and alarm will be carried out on the surround view interface or the infotainment system homepage.

Fault display

When a warning sign appears at the location of the radar sensor, it indicates that the radar sensor is faulty. When the front/rear single radar sensor fails, the remaining front/rear sensors do not work. In case of the above situation, please contact the Forthing Special Service Station in time.

Circumstances under which the system may not work

Due to the characteristics of objects, positions, angles, sizes, materials or places with complex backgrounds, the system may not work or give false alarms. The following conditions may cause failure to detect or poor detection:

1. Barbed wire mesh, steel cable and other objects.

2. Driving in grass or on rugged roads.

3. Cotton or materials whose surface is easy to absorb sound waves.

4. Foreign matter is attached to the sensor surface.

5. Ultrasonic noise, metallic sound and high-pressure gas emission sound at the same frequency.

6. Non-standard radio communication equipment installed on the vehicle will also affect the function of this system during use.

Warning

- The parking assist system is only used as an auxiliary warning for obstacles behind the vehicle during parking and reversing, and cannot replace the driver's observation of the surrounding environment. The driver needs to monitor the environment in real time during the whole driving process, and Forthing is not responsible for accidents caused by the driver's negligence.
- As the parking assist system has a working blind spot, please do not use it as the only evidence for reversing safety. The driver is responsible for driving safety.

Surround view

The surround view can splice the images of four cameras located at the front, rear, left and right of the vehicle, and synthesize an aerial view on the infotainment system. It is used with reversing radar to make parking safer and more convenient.

Prerequisites for entering the surround view

1. Power on the vehicle.

2. The vehicle speed is less than or equal to 30 km/h.

Enter the surround view

After the above conditions are met, the surround view can be entered in either of the following ways:

1. Press the surround view button on the steering wheel.

2. Click [Surround View] in the navigation bar at the bottom of infotainment system

3. Click [App Center] - [Surround View] in the navigation bar at the bottom of infotainment system.

4. In the surround view setting interface, after turning on the [Turn Signal Lamp Entry] function, turn on the left and right turn signal lamps to enter directly.

5. When the vehicle is shifted to R position, it will enter directly.

Exit surround view

The surround view can be exited in any of the following ways:

1. Press the surround view button on the steering wheel.

2. In surround view interface, press the upper left corner [Back] button of the interface.

3. Switch from R position to P position with a delay of 5 seconds.

4. Shift from R position to D position and the vehicle speed is greater than 30 km/h.

5. Turn signal lamp return.

6. The vehicle speed is greater than 30 km/h.

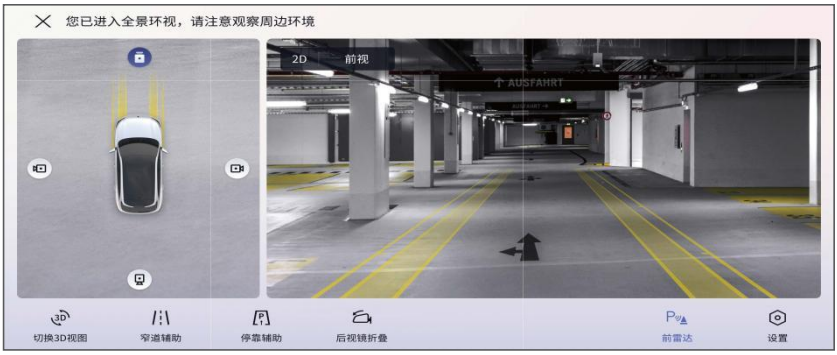
Caution

When the vehicle starts to slow down from high speed, it needs to be reduced to 25 km/h before the surround view can be turned on again.

Description of surround-view image function

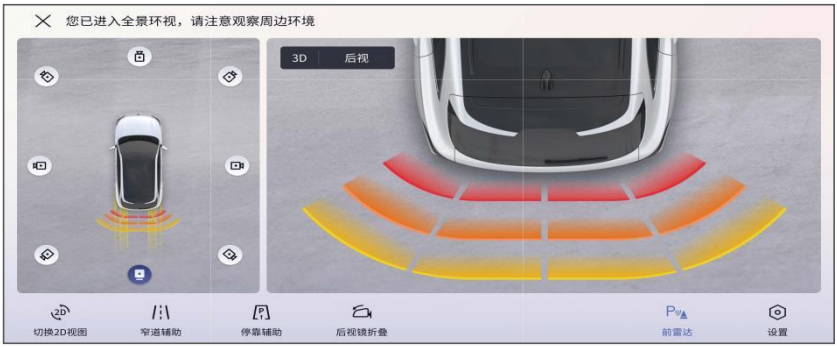
The following interfaces are schematic diagrams, please refer to the real vehicle.

2D view



Click on car model or any position around car model on the view to display the front, back, left, and right icons, then click the corresponding angle icon to the icon to the corresponding perspective (the icon will automatically disappear if there is no operation for 5 seconds).

3D view



Click on car model or any position around car model on the view to display the front, back, left, right, left front, left back, right front, right back icons, then click the corresponding angle icon to the to the corresponding perspective (the icon will automatically disappear if there is no operation for 5 seconds).

Caution
The surround view adopts a wide-angle fisheye camera, and the imaging model is a bowl-shaped structure. Therefore, the 3D stereo image is easy to form stretching deformation at the splicing position, and there will be ghosting or misalignment of objects at the splicing position and the far end of the edge.

Settings

Click [Settings] on the bottom of surround view interface to turn on or off functions such as [Transparent Body], [Turn Signal Lamp Entry], and [Radar Close-up].

The radar close-up and turn signal lamp entry functions are turned on by default, both with memory functions.

Dynamic auxiliary line

The 2D front and rear single view (left) and the stitching view (right) have auxiliary lines. The auxiliary lines switch the front and rear directions with the shift of D and R positions. The actual length indicated by the auxiliary lines is 5 m.

1. Auxiliary line

The width of the vehicle (outside rearview mirror width + 7 cm) is indicated by two thin lines, and the distance between the vehicle and the object is indicated by segmented scale lines. The scale mark is divided into three sections: 0~0.3 m, 0.3~1 m, and 1~1.5 m.

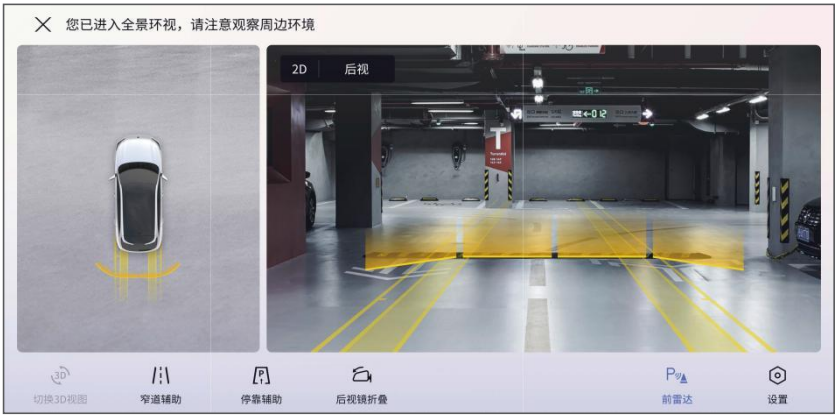
2. Tires trajectory line

It indicates the wheel driving route.

Warning

The dynamic auxiliary line is only used as a reference and cannot be used as the basis for judging the actual distance and driving trajectory of the vehicle. Please pay attention to the surrounding environment of the vehicle and safe driving when parking the vehicle.

Radar obstacle board display

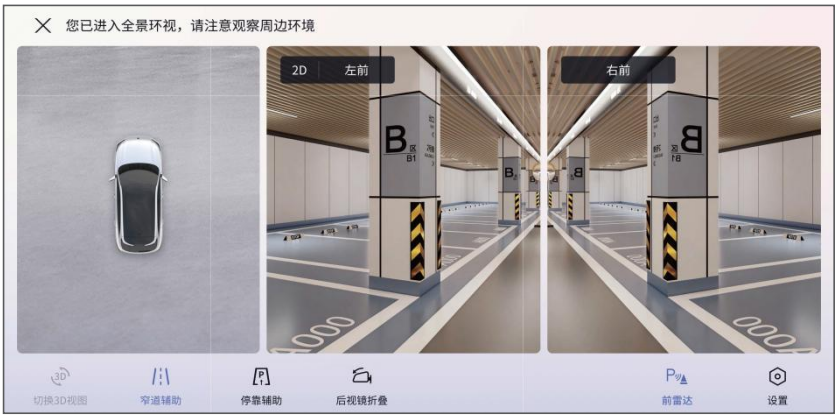


In the surround view interface, when the working conditions of the radar system are met, the obstacle board will be displayed and there will be an alarm sound.

Steering view

After the turn signal lamp entry function is turned on (the position is not in R position), turn on the left/right turn signal lamp to enter the corresponding left/right steering angle. After adjusting the turn signal/windshield wiper switch, delay for 1 second to exit the surround view interface.

Narrow lane assist



Click [Narrow Lane Assist] button on the bottom of surround view interface to enter the narrow lane assistance view, which displays the actual images in front of the left and right sides of the vehicle.

Parking assist

Click [Parking Assist] button on the bottom of surround view interface to enter the parking assist view, which displays the actual images of the vehicle's wheel and right wheel.

Caution

- The surround view camera will enlarge and distort the image, and there is a slight delay. Therefore, the surround view cannot replace the driver's operation and judgment. Please always pay attention to the safety around the vehicle during use.
- The camera is similar to the human eye, and has limited ability to see objects in environments such as dusk, night, dawn, snow, rain and fog. The surround view mainly provides ADAS for the driver, and the driver is always responsible for keeping a distance from any obstacle.

Caution

- The surround view only stitches the ground image. For objects with a certain height, there will be blind spots in the air. When parking the vehicle, be sure to pay attention to the children, concrete columns and other objects around the vehicle.
- There is a certain error between the auxiliary line and radar wave distance and the actual distance. Please observe the safety around the vehicle when parking the vehicle.
- The dirty camera will affect the use of the system, please clean it in time.
- The normal use of the system will be affected in bad weather and insufficient light.
- Due to factors such as ground flatness, vehicle load, tire pressure, etc., the lane marking and road edges displayed by the surround view may be misaligned or ghosted, and objects at the splicing joints may not be fully displayed.

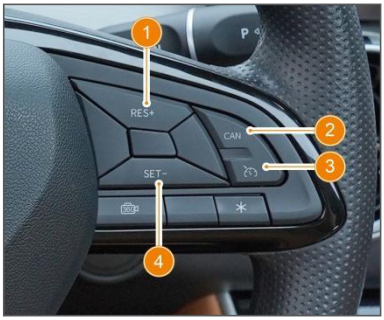
Warning

The surround view is only an auxiliary driving function and cannot cope with all traffic, weather and road conditions. You, as the driver of the vehicle, are responsible for driving safety. Do not rely on this function to control the vehicle, otherwise it may cause injury or even death.

CCS

The CCS allows the driver to keep the vehicle running at a preset speed higher than 40 km/h without stepping on the accelerator pedal. This function can be activated when the vehicle is running on a motorway. It is not recommended to activate this function in urban areas, winding roads, slippery road, heavy rain or other severe weather conditions.

Button description:



1. Cruise control recovery/acceleration button

Restore the set cruising speed and drive at the set speed.

If the cruise control function is activated:

Short press this button: the set cruise speed increases by 1 km/h.

Press and hold this button: the set cruise speed will increase continuously by 5 km/h until the button is released.

2. Cruise control pause button

3. Cruise control button

Press this button to turn on or off the cruise control function.

4. Speed setting/deceleration button

Set the current speed to cruising speed and control the vehicle at this speed.

If the cruise control function is activated:

Short press this button: the set cruise speed decreases by 1 km/h.

Press and hold this button: the set cruise speed will decrease continuously by 5 km/h until the button is released.

Activate cruise control

Press the cruise control button, the system will enter the standby state, and the cruise control on the combination instrument will be turned on but the inactivation indicator lamp will light up.

If the following conditions are met, the cruise control can be activated and the cruise control activation indicator lamp on the combination instrument will light up:

1. Press the cruise control button.

2. The vehicle speed is within the range of 40~185 km/h.

3. Press the speed setting/deceleration button.

4. Brake pedal is not depressed.

5. The gear is in D position.

6. The system is not faulty.

Pause cruise control

The cruise control will be paused by any of the following methods:

1. Lightly step on the brake pedal.

2. Shift the gear to non-D position.

3. Press the cruise control pause button.

Resume the cruise control

When the cruise control function is paused, if you need to resume the cruise control function, you can first accelerate to more than 40 km/h, and then press the cruise control recovery/acceleration button to re-enter the cruise control state after meeting the cruise control activation conditions, and the vehicle will resume the original set cruise speed.

Turn off the cruise control

The cruise control will be turned off by any of the following methods:

1. Press the cruise control button.

2. The CCS is faulty.

3. Shift the gear to N position.

Speed setting

The cruising speed can be changed by any of the following methods:

1. Short press the cruise control recovery/acceleration button or the speed setting/deceleration button, and the speed will gradually increase or decrease by 1 km/h, and long press the corresponding button to continuously increase or decrease by 5 km/h.

2. Step on the accelerator pedal, release the accelerator pedal when the required speed is reached, and press the speed setting/deceleration button.

3. Lightly step on the brake pedal, release the brake pedal when the speed is reduced to the required value, and press the speed setting/deceleration button.

Caution

- The cruise control will not be activated when the vehicle speed is lower than 40 km/h.
- The cruise control will not be activated when the system is faulty.
- It is not recommended to activate this function in urban areas, winding roads, slippery road, heavy rain or other severe weather conditions.
- When driving uphill or downhill, the cruise control cannot maintain the set speed. When the vehicle speed increases downhill, you can step on the brake pedal to reduce the vehicle speed, which will pause the cruise control function. To restore the previously set speed, press the cruise control recovery/acceleration button.
- When the vehicle is driving in the cruise state, it can still accelerate to overtake by stepping on the accelerator pedal. After overtaking, remove the foot from the accelerator pedal. If the cruise conditions are still met, the vehicle will return to the preset cruise speed.

Warning

It is strictly forbidden to use CCS on icy and snowy roads.

Assist driving*

Introduction

The driver assistance system can assist the driver in observing and perceiving the surrounding environment during driving, and provide collision warning, active safety and cruise assistance for the driver.

The main functions of the driver assistance system include:

1. Forward collision assist.

2. Lane departure assist.

3. Cruise assist.

4. Intelligent high beam control.

5. Traffic sign recognition.

Caution

The following conditions may cause the ADAS camera to identify obstacles, so that the assisted driving cannot operate as expected. Please clean the glass with wiper in time or contact the Forthing Special Service Station to ensure the ADAS camera vision. This includes, but is not limited to:

- Foreign matters (such as labels, add-ons, etc.) shall not block the detection part of the ADAS camera, so as not to affect the performance of the ADAS camera.
- The sensor area of the front windshield ADAS camera will be blocked by snow, ice, dust or mud. If it is not cleaned in time, it may affect the assisted driving.
- When the ADAS camera needs to be cleaned, the combination instrument prompts "camera is blocked, please clean it in time".

Forward collision assist*

Forward collision assist includes forward collision warning (FCW) and automatic emergency braking (AEB). During driving, it provides alarm prompt and auxiliary braking for the driver when there is collision danger in front of the vehicle.

Switch setting

Click [Vehicle Control]-[ADAS] in the navigation bar at the bottom of infotainment system to turn [Forward Collision Assist] on or off, and the function is turned on by default.

After the function is turned on, the alarm timing can be set to [Advance], [Normal] or [Delay], and the function is normal by default.

When this function fails, the combination instrument forward collision assist system failure/deactivation warning lamp lights up; When this function is turned off, the forward collision assist system OFF indicator lamp on the combination instrument interface will be on.

Caution

The forward collision assist switch ON does not mean that the function is activated. The function is activated only when the operating conditions are met.

Forward collision warning (FCW)

When the vehicle is running, if it detects that the distance between the front vehicle, cyclist or pedestrian and the vehicle is too close, the FCW system will remind the driver visually and audibly.

Function activation

The forward collision assist switch is turned on, and the function is activated when the vehicle speed is greater than or equal to 8 km/h, and the vehicle condition in front of the vehicle is monitored in real time.

Function trigger

When FCW is triggered, the front of the driving interface of the combination instrument will turn red, with the text prompt [Danger ahead, please pay attention to safety] will appear, accompanied by medium and high frequency alarm sound.

Warning

The following actions may cause the FCW not to give an alarm, including but not limited to:

- When the driver is already braking.
- When the driver steps on the accelerator pedal deeply or rapidly.
- When the driver turns the steering wheel violently.

Automatic emergency braking (AEB)

When the vehicle is running, if it is detected that the vehicle, cyclist or pedestrian in front is about to have a collision with the vehicle, the AEB system will automatically perform emergency brake to avoid collision or reduce the injury caused by collision.

Function activation

The forward collision assist switch is turned on, and the function is activated when the vehicle speed is within the range of 8~85 km/h, and the vehicle condition in front of the vehicle is monitored in real time, and AEB will be triggered when a collision is about to occur.

Function trigger

When AEB is triggered, the front of the vehicle in the driving interface of the combination instrument will turn red, with the prompt [Danger ahead, please pay attention to safety] and accompanied by high-frequency alarm sound, the speed reduction range is up to 60 km/h. For example: AEB is triggered when the vehicle speed is 80 km/h, and braking ends after the vehicle speed drops to 20 km/h.

Functional limitations

The following conditions may cause the ADAS camera recognition malfunctions, resulting in the forward collision assist function not working as expected. This includes, but is not limited to:

1. The installation position of ADAS camera is changed.

2. The ADAS camera is blocked or dirty.

3. The recognition capability is decreased at night.

4. The surrounding environment is dark, such as dawn, dusk, night, and tunnel.

5. Sudden changes in ambient brightness, such as tunnel entrances or exits.

6. Large shadows cast by buildings, landscapes, or large vehicles.

7. When the ADAS camera is obliquely illuminated by the sun or directly illuminated by the light.

8. Rain, snow, fog, haze and other severe weather.

9. Exhaust, water spray, snow or dust raised by the vehicle ahead.

10. There is water, dust, micro-scratches, greasy, dirt, wiper, freezing, snow, etc. on the windshield in front of the ADAS camera.

11. Wet pavement.

12. ADAS camera is out of focus or faulty.

Only eligible oncoming vehicles, cyclists and pedestrians will be responded by the forward collision assist function. The following objectives will not be responded to, including but not limited to:

1. Oncoming vehicles.

2. Side-passing vehicles.

3. Animals.

4. Traffic lights.

5. Walls.

6. Barricades (cone barrels, etc.).

7. Other non-vehicle objects.

The following conditions may cause the AEB not to brake or stop braking, including but not limited to:

1. The driver steps on the accelerator pedal deeply or quickly.

2. The driver turns the steering wheel sharply.

3. The driver is not fastening the seat belt.

4. Any door is not closed.

5. The AEB cannot be triggered again immediately after being triggered.

6. No more vehicles, cyclists or pedestrians are detected ahead.

Caution

- The brake distance will be extended on slippery roads. If the ABS, TCS, or vehicle stability control system is triggered, the ability of AEB to slow down collision may be reduced, or even may not be triggered.

Caution

● The forward collision assist can only identify regular vehicles with license plates and legal road driving, and cannot detect vehicles in all cases. For example, the rear of the vehicle is seriously blocked, the shape of the vehicle is strange (such as an overloaded vehicle transporting trees), and the rear of the vehicle has been seriously damaged.

● The forward collision assist can identify unobstructed adults of normal height, but cannot detect pedestrians in all cases. For example, pedestrians who are partially shielded, wearing clothes that cannot recognize their body shape, too low and too high height, carrying large objects, poor contrast, etc.

● The forward collision assist can identify the cyclists with clear and complete body contours, main features and bicycle contours, but cannot detect them in all cases, such as when the bicycle is fast, the features of the cyclists or the bicycle are obscured by clothes or other items, resulting in unclear contours.

● The forward collision assist may not recognize the vehicle in time under complex traffic conditions, resulting in a lag in alarm prompts.

● The response capability of the forward collision assist is limited, and may not trigger the alarm prompt and automatic braking in time. For example, when the vehicle ahead enters the lane under extreme conditions or a pedestrian suddenly enters the lane, the alarm may not be sent in time.

● The forward collision assist recognition function requires sufficient contrast between pedestrians and the environmental background. Too bright or too dark lighting has a negative impact on the system. Due to the pedestrian posture or environmental influence, the time delay or failure to detect the pedestrian will be caused, and the alarm prompt will also be delayed or failed to be activated.

● The forward collision assist may not operate as expected in special or complex road conditions such as winding, sharp turn, muddy and crowded roads; The system may not be able to detect the vehicle ahead when the sensor is blocked by ice, snow or dust. Please clean the front windshield of the vehicle in time.

Caution

● The target in the blind area of the sensor, the vehicle in the adjacent lane only has part of the body cut into the front of the vehicle, the vehicle on the slope or the vehicle turning through the road, etc., may cause the forward collision assist to fail to operate as expected because the target is not in front.

Warning

● During the AEB, the brake pedal will automatically move down quickly. Therefore, do not place objects under the brake pedal, which may affect the free movement of the pedal.

● AEB cannot be used to maintain a safe driving distance from the vehicles ahead, cyclists and pedestrians. Please avoid driving too close to vehicle ahead, cyclists or pedestrians or driving too intensely.

● The AEB is only used to reduce the impact of head-on collision. When the vehicle is in reverse gear, the AEB does not work.

● The forward collision assist is for reference only and cannot replace your attention and judgment. The forward collision assist is only a ADAS function, which cannot cope with all traffic, weather and road conditions, nor can it detect vehicles, cyclists or pedestrians in all cases. It may fail, be inappropriate or untimely due to several factors.

● After the forward collision assist function switch is turned off, the vehicle will not give an warning of possible collision risks. It is strongly recommended that you do not turn off this function. In order to ensure your driving safety, this function will be turned on after each vehicle restart.

● After the ESC OFF is turned on, the forward collision assist function is automatically turned off. Please pay attention when using the vehicle.

Warning

- You must always pay attention to the traffic conditions and road environment. Do not rely on the judgment of the forward collision assist, otherwise it may cause personal or vehicle damage. For safety reasons, do not intentionally drive towards vehicles, cyclists or pedestrians to test the forward collision assist function. If you find a danger, do not wait for the forward collision warning to be triggered before taking action. You always bear the ultimate responsibility for safe driving and must comply with current traffic laws and regulations.

Lane Departure Assist (LDA)*

The LDA includes lane departure correction and lane departure warning. During driving, it provides steering correction and alarm prompt for the driver when the vehicle unconsciously deviates from the lane.

Switch setting

Click [Vehicle Control] - [ADAS] in the navigation bar at the bottom of infotainment system to turn [LDA] on or off, and the function is turned on by default.

After the function is turned on, the auxiliary mode can be selected as [Warning] or [Warning + Correction], and the function defaults to warning.

The alarm timing can be set to [Advance], [Normal] or [Delay], and the function is normal by default.

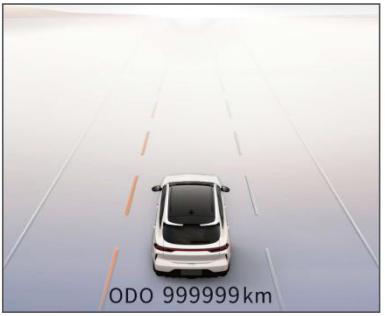
Caution

The LDA switch ON does not mean that the function is activated. The function is activated only when the operating conditions are met.

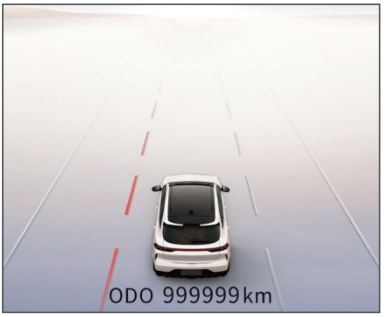
Function activation

When the LDA switch is on, the lane marking is clear, and the vehicle speed is above 65 km/h, the function will be activated. When the driver unconsciously deviates from the current lane, it provides a steering warning or controls the steering wheel to correct the vehicle.

Function trigger



When the vehicle speed is within the range of 65~140 km/h, the vehicle may deviate from the lane and automatically correct and return to the lane. When correcting, the lane marking on the side of the driving interface of the combination instrument turns yellow.



When the vehicle speed is within the range of 65~180 km/h, the driver may be alerted when the vehicle deviates from the lane. During the warning, the lane marking on the driving interface of the combination instrument will turn red, accompanied by a medium frequency alarm sound.

Functional limitations

The following conditions may cause the LDA system to fail to operate as expected or to exit automatically, including but not limited to:

1. Pass through curves with excessive curvature, such as high-speed ramps.

2. The lane marking is not clear, worn, missing, crossed, or blocked by shadows cast by other vehicles or buildings or scenery.

3. Pass through the road section without lane marking, such as non-standardized roads, intersections, construction areas, etc.

4. Pass through the road section with special lane marking, such as deceleration warning lines, diversion lines, etc.

5. Pass through the areas with unclear lane division, such as lane marking convergence or separation areas, highway ramps, urban intersections, left-turn waiting areas, etc.

6. The pavement has edges or other high-contrast lines that are not lane markings, e.g. pavement joints, curb, etc.

7. The lane marking cannot be recognized or is not recognized correctly due to the height change, e.g. when going uphill or downhill.

8. The lane marking cannot be recognized or is incorrectly recognized due to light reasons, such as strong light causing the lane marking to reflect light, poor weather, poor visibility or insufficient light at night.

9. The distance between the lane marking on both sides is too wide or too narrow.

The following conditions may cause the LDA system to fail to operate as expected or exit automatically due to ADAS camera recognition malfunctions, including but not limited to:

1. The installation position of ADAS camera is changed.

2. The ADAS camera is blocked or dirty.

3. The recognition capability is decreased at night.

4. The surrounding environment is dark, such as dawn, dusk, night, and tunnel.

5. Sudden changes in ambient brightness, such as tunnel entrances or exits.

6. Large shadows cast by buildings, landscapes, or large vehicles.

7. The ADAS camera is directly illuminated.

8. Rain, snow, fog, haze and other severe weather.

9. Exhaust, water spray, snow or dust raised by the vehicle ahead.

10. There is water, dust, micro-scratches, greasy, dirt, wiper, freezing, snow, etc. on the windshield in front of the ADAS camera.

11. Wet pavement.

It is not recommended to use LDA under special or complex road conditions, which may cause the LDA system to fail to operate as expected or exit automatically, including but not limited to:

1. Waterlogged, muddy, potholed, ice and snow-covered roads, road with speed bumps, and road with obstacles.

2. Traffic conditions with many pedestrians, bicycles or animals.

3. Complex and changeable traffic conditions, such as busy intersections, expressway ramps, congested roads, etc.

4. Winding and twisting roads, sharp turning roads.

5. Uphill and downhill roads.

6. Bumpy roads.

7. Narrow roads.

8. Tunnel entrance and exit.

9. Non-standardized roads.

10. Road without median strip.

Caution

- LDA will not remind or control when the turn signal lamp is turned on and the vehicle deviates to the corresponding side.
- When LDA controls the direction, the steering wheel will rotate, and you can take over the vehicle actively by turning the steering wheel.
- The combination instrument display is only for illustration and does not fully reflect the real traffic conditions. Do not rely on the display content of the combination instrument.

Caution

● LDA only works when the steering wheel is held by both hands during driving. If it is detected that the driver's hands are not holding the steering wheel for a period of time, it will automatically exit the activated state. When the driver's hands hold the steering wheel and the function activation conditions are met, the function will be reactivated.

Warning

● As a ADAS function, LDA cannot cope with all traffic, weather and road conditions. The LDA is for reference only and is not a substitute for your visual inspection.

● LDA can only provide a certain steering assistance, but cannot control the vehicle speed.

● LDA has limited steering force and can only provide slight steering correction assistance, but cannot completely prevent the vehicle from deviating from the lane. Therefore, do not rely on LDA to control the direction, and the driver should always be prepared to increase the steering force, especially in curves. Take over the steering wheel immediately if you need to turn, turn around, or pass through winding and sharp turning roads.

● The driver must always pay attention to the traffic conditions and road environment, and decide whether to use LDA independently under the premise of ensuring safety. When using LDA, if you find that the traffic conditions, road environment or vehicle conditions are not suitable for using this function, or there are other unsafe factors, you should be ready to take over the vehicle at any time. The driver always bears the ultimate responsibility for keeping the vehicle in the lane safely and in compliance with current traffic laws and regulations.

● According to the Regulation on the Implementation of the Road Traffic Safety Law of the People's Republic of China, the maximum speed of small passenger vehicles driving on China's expressways shall not exceed 120 km/h. The above maximum speed is the maximum speed theoretically supported by LDA. Please observe road traffic safety regulations when starting LDA, including but not limited to vehicle speed regulations.

● LDA cannot continuously control the direction of the vehicle, that is, it cannot keep the vehicle in the middle of the lane all the time.

Cruise Assist*

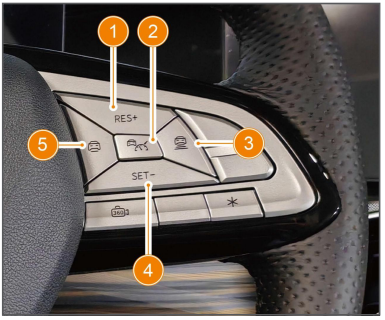
Cruise assist includes adaptive cruise control (ACC) system and advanced cruise control (SCC) system. During driving, the vehicle will keep driving in the lane according to the cruising speed or cruising distance set by the driver.

Adaptive cruise control (ACC)

ACC includes cruise control, distance maintaining following, and following start/stop. The vehicle can run according to the cruising speed set by the driver, and can also follow the vehicle ahead for running, stopping or starting according to the cruising distance set by the driver.

ACC is mainly suitable for long-distance driving on dry and smooth standardized roads, such as highways, expressways, long straight roads, etc.

Button description:



1. ACC recovery/acceleration button

Resume: After ACC exits, press this button to reactivate it to exit the vehicle ahead speed and distance for driving.

Acceleration: increase the cruising speed by pressing this button when ACC is activated. Short press this button to increase the set cruise speed with an increment of 1 km/h; Press and hold this button to increase the set cruise speed at a decrement of 5 km/h until the button is released.

2. ACC button

Press this button to activate or exit ACC.

3. Distance increase button

4. Speed deceleration button

When ACC is activated, press this button to decrease the cruising speed. Short press this button to decrease the set cruise speed with a decrement of 1 km/h; Press and hold this button to decrease the set cruise speed at a decrement of 5 km/h until the button is released.

5. Distance reduction button

Activate ACC

ACC can be activated if all of the following conditions are met:

1. The vehicle speed does not exceed 140 km/h.

2. The ADAS camera functions normally and has a clear view.

3. All components of ACC function normally.

4. The vehicle meets all safety conditions, such as: the driver fastens the seat belt, all doors are closed, the vehicle is in D position, and the driver does not step on the brake pedal; Anti-lock system, TCS and vehicle stability control system are not triggered; The TCS and vehicle stability control system are not manually disabled.

When ACC can be activated, the combination instrument ACC cruise is on but inactivation indicator lamp  lights up. At this time, press the adaptive cruise button, ACC is activated and enters the working state, and the ACC cruise activation indicator lamp  lights up:

1. When there is no vehicle ahead, ACC can be activated within the speed range of 15~130 km/h.

2. When there is a vehicle ahead, ACC can be activated within the speed range of 0~130 km/h.

3. When the vehicle speed is lower than 30 km/h, 30 km/h is automatically set as the cruising speed; When the vehicle speed is higher than 30 km/h, the current vehicle speed can be set as the cruising speed.

After ACC is activated, the driver can release the accelerator pedal, and ACC will maintain the set cruising speed: if there is a vehicle ahead, ACC will automatically adjust the vehicle speed according to the speed of the vehicle ahead and the cruising distance, and the maximum speed will not exceed the cruising speed; When there is no vehicle ahead, ACC will adjust the vehicle speed to cruising speed.

After ACC is activated, the accelerator pedal can be stepped on at any time to take over the vehicle in a short time. At this time, ACC will no longer respond to the target vehicle ahead, and the vehicle will be completely controlled by the driver; When the accelerator pedal is released, the vehicle will return to the cruising speed.

When ACC accelerates actively, the accelerator pedal will not move; When ACC decelerates, the brake pedal will move.

Exit ACC

The ACC will exit the activated state when any of the following occurs:

1. Press the ACC button.

2. Depress the brake pedal.

3. Keep stepping on the accelerator pedal to actively take over the vehicle for about

1 minute.

4. The vehicle follows and remains stationary for more than 3 minutes.

In addition, when ACC does not meet the activation conditions, it will exit automatically. The driver should take over the brake pedal, accelerator pedal and steering wheel of the vehicle immediately after ACC exits to control the speed and direction of the vehicle.

After ACC exits, the vehicle may slow down due to energy recovery braking and no longer maintain the set distance from the vehicle ahead.

Warning

- ACC may exit unexpectedly due to unexpected circumstances. The driver needs to always pay attention to the traffic conditions and road environment and be ready to take over the vehicle at any time.
- After ESC OFF is turned on, ACC will be deactivated automatically, and the driver shall take over the vehicle immediately after ACC exits.

Speed adjustment

When ACC is activated:

1. Short press the adaptive cruise recovery/acceleration button or the vehicle speed setting/deceleration button to increase or decrease the cruising speed by 1 km/h.

2. Long press the adaptive cruise recovery/acceleration button or the speed setting/decelerate button to continuously increase or decrease the cruising speed by 5 km/h.

3. The maximum set speed of ACC is 130 km/h.

4. The minimum set speed of ACC is 30km/h, but it can follow up to 0 km/h.

Warning

The above maximum speed is the maximum speed theoretically supported by ACC. When using ACC, please observe road traffic safety regulations, including but not limited to vehicle speed regulations.

Headway adjustment

When ACC is in standby or activated, press the distance increase or distance decrease button to set the following distance. The following distance has 4 adjustable gears, and the default is the 4th gear (the farthest gear).

Caution

- When the following distance is set relatively close, the ACC driving behavior is more intense, which may cause discomfort.
- The following distance is set according to the safety and comfort of the vehicle, and there will be a certain distance from the vehicle ahead in specific scenarios.

Warning

It is the driver's responsibility to ensure a safe following distance at all times. Do not rely solely on ACC to maintain a safe distance.

Combination instrument information

1. ACC cruise status indicator lamp

No indicator lamp appears: ACC is not activated temporarily or cannot be activated because the conditions are not met.

120 : ACC is in the pending activation state and can be activated by ACC button.

120 : ACC is activated to enter the working state.

2. Set cruising speed

3. Target vehicle ahead being followed

4. Following distance

Caution

- The combination instrument display is only for illustration and does not fully reflect the real traffic conditions. Do not rely on the display content of the combination instrument.

Warning

- If you find any danger, please do not wait for the warning on the combination instrument interface before taking action. Please take over the vehicle immediately.
- ACC cannot guarantee that the target can be accurately identified in all cases. If the target vehicle ahead displayed on the combination instrument is inconsistent with the actual situation (for example, there is a vehicle ahead but it is not displayed, or there is no vehicle ahead but a vehicle is displayed), please take over the vehicle immediately.

Following start/stop

When ACC stops following the vehicle ahead:

1. If the vehicle ahead starts, ACC will automatically follow the vehicle to start. You need to confirm the safety of the surrounding environment at all times to avoid collision accident.

2. When the vehicle stops following the vehicle ahead for more than 3 seconds, you need to confirm that the surrounding environment is safe, and press the ACC recovery/acceleration button or step on the accelerator pedal to reactivate ACC, and the vehicle will start following the vehicle ahead.

3. After about 3 minutes, ACC will exit.

After ACC stops following the vehicle ahead, ACC will start following the vehicle ahead only when the starting distance of the vehicle ahead exceeds that of the ego vehicle by about 4 m.

Warning

- ACC cannot detect other traffic participants in all cases, and may be ineffective, improper or untimely due to several factors.
- The driver must always pay attention to the traffic conditions and road environment, and do not rely on ACC to automatically follow the vehicle to start, otherwise it may cause personal or vehicle damage.

Functional limitations

The following conditions may cause the ADAS camera recognition malfunctions, affect the ACC performance, and even cause the ACC to exit.

This includes, but is not limited to:

1. The installation position of ADAS camera is changed.

2. The ADAS camera is blocked or dirty.

3. The recognition capability is decreased at night.

4. The surrounding environment is dark, such as dawn, dusk, night, and tunnel.

5. Sudden changes in ambient brightness, such as tunnel entrances or exits.

6. Large shadows cast by buildings, landscapes, or large vehicles.

7. The ADAS camera is directly illuminated.

8. Rain, snow, fog, haze and other severe weather.

9. Exhaust, water spray, snow or dust raised by the vehicle ahead.

10. There is water, dust, micro-scratches, greasy, dirt, wiper, freezing, snow, etc. on the windshield in front of the ADAS camera.

11. Wet pavement.

It is not recommended to use ACC under special or complex road conditions, which may affect ACC performance or even cause ACC to exit, including but not limited to:

1. Waterlogged, muddy, potholed, ice and snow-covered roads, road with speed bumps or obstacles.

2. Traffic conditions with many pedestrians, bicycles or animals.

3. Complex and changeable traffic conditions, such as busy intersections, expressway ramps, congested roads, etc.

4. Winding and twisting roads, sharp turning roads.

5. Uphill and downhill roads.

6. Bumpy roads.

7. Narrow roads.

8. Tunnel entrance and exit.

9. Non-standardized roads.

10. Road without median strip.

If the relative speed to the vehicle ahead is too high under the following conditions, ACC may have limited control ability, which will result in failure to keep the distance in time. This includes, but is not limited to:

1. The vehicle ahead suddenly maneuvers (such as sudden turning, acceleration, deceleration, etc.).

2. Other vehicles suddenly drive in or out of the front of the vehicle.

3. When the vehicle suddenly drives into the rear of the vehicle ahead.

4. The vehicle runs at a high speed towards a stationary or slow-moving target ahead.

Sufficient brake force may not be obtained in the following cases. This includes, but is not limited to:

1. The brake function cannot work completely (e.g. brake parts are too cold, overheated, wet, etc.).

2. Improper vehicle maintenance (such as excessive wear of brake or tire, abnormal tire pressure, etc.).

3. The vehicle is running on special roads (such as uphill and downhill, waterlogged, muddy, potholed, ice and snow-covered roads, etc.).

Only vehicles that meet the conditions will be responded by ACC. The following targets are not guaranteed to be identified and may be responded to, including but not limited to:

1. Side-passing vehicles.

2. Oncoming vehicles.

3. Bicycle, motorcycle, tricycle.

The following objectives will not be responded to, including but not limited to:

1. Persons.

2. Animals.

3. Traffic lights.

4.Walls.

5. Barricades (cone barrels, etc.).

6. Other non-vehicle objects.

Caution

ACC may miss the detection of stationary or slow-moving vehicles, and cannot guarantee the identification of special vehicles, especially at night. For example: vehicles with shielded tail, vehicles with irregular shape, vehicles with the vertical plane of the tail lower than a certain height, etc.

The following situations may cause ACC to recognize and respond too late because the target is not directly ahead, including but not limited to:

1. ACC will not respond to a target in the blind spot of the sensor. For example, the corner blind spot and side blind spot of the vehicle cannot be detected.

2. When approaching or turning through the road, the target may be mistakenly selected or missed, resulting in unexpected acceleration and deceleration of the vehicle.

3. Being on a slope may cause loss of target or misjudgment of distance from vehicle ahead. Driving speed will increase when going downhill, resulting in exceeding cruising speed.

4. When only part of the body of the vehicle in the adjacent lane drives into the front of the vehicle (especially large vehicles such as buses and trucks), it may not be able to recognize the response, and you need to take over in time.

5. When the vehicle suddenly drives into the rear of the vehicle in front, or other vehicles suddenly drive into or out of the front of the vehicle, the target may not be identified in time, and you need to take over in time.

Caution

- ACC occasionally accelerates when acceleration is not required or the driver does not intend to accelerate, which may be caused by the change or loss of following target (especially during turning or lane change).
- ACC occasionally brakes when braking is not required or the driver does not intend to brake. This may be caused by detecting a change or loss of a vehicle, object or stationary target in the adjacent lane, especially during a turn or lane change.

Warning

- ACC, as a ADAS function, cannot cope with all traffic, weather and road conditions. Do not rely on this function completely.

Warning

- ACC can only control the speed of the vehicle, but not the driving direction of the vehicle.
- The driver must always pay attention to the traffic conditions and road environment, and decide whether to use ACC independently under the premise of ensuring safety. When using ACC, if you find that the traffic conditions, road environment or vehicle conditions are not suitable for using this function, or there are other unsafe factors, you should be ready to take over the vehicle at any time. The driver always bears the ultimate responsibility for maintaining a suitable distance and speed, and complying with current traffic laws and regulations.
- ACC is a comfort function rather than an anti-collision function, so its maximum deceleration is limited and less than the maximum deceleration that can be requested during AEB and driving. Do not rely on ACC to fully decelerate the vehicle to avoid collision.
- When the relative speed between the vehicle and the vehicle ahead is greater than 50 km/h, if the vehicle ahead is stationary or slow, there is a risk that ACC cannot stop the vehicle. To ensure safety, please exit ACC and take over the vehicle immediately in the above cases. Do not try to stop a stationary vehicle or stop following the vehicle ahead with ACC in the above cases.

Super cruise control (SCC)

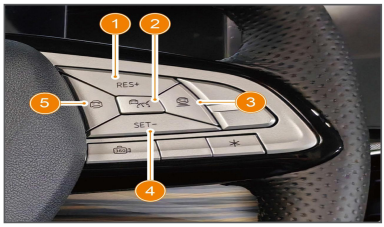
On the basis of realizing the longitudinal control of cruise control, fixed-distance cruise and following start/stop, SCC is added with lateral control function to keep the vehicle running in the lane marking.

Longitudinal control: that is, the adaptive cruise control (ACC) function, which can automatically adjust the speed of the vehicle according to the speed of the vehicle ahead to ensure the safe distance of the vehicle following.

Lateral control: that is LKA function. When the lane marking is clear, the steering wheel can be controlled to ensure that the vehicle runs in the middle of the lane.

SCC is mainly applicable to lane marking clear and closed roads with access restrictions, such as high-speed and elevated main roads and congested sections.

Button description:



1. Advanced cruise control recovery/acceleration button

Recovery: After SCC exits, you can press this button to reactivate it to drive at the speed and distance set before exiting.

Acceleration: increase the cruising speed by pressing this button when SCC is activated. Short press this button to increase the set cruise speed with an increment of 1 km/h; Press and hold this button to increase the set cruise speed at a decrement of 5 km/h until the button is released.

2. Advanced cruise control button

When the SCC activation conditions are met, press this button twice continuously to activate SCC; After SCC is activated, short press this button once to exit SCC.

3. Distance increase button

4. Speed deceleration button

Decrease the cruising speed by pressing this button when SCC is activated. Short press this button to decrease the set cruise speed with a decrement of 1 km/h; Press and hold this button to decrease the set cruise speed at a decrement of 5 km/h until the button is released.

5. Distance reduction button

Activate SCC

The SCC can be activated if all of the following conditions are met:

1. The vehicle speed does not exceed 140 km/h.

2. The ADAS camera functions normally and has a clear view.

3. All components of the SCC function normally.

4. The vehicle meets all safety conditions, such as: the driver fastens the seat belt, all doors are closed, the vehicle is in D position, and the driver does not step on the brake pedal; Anti-lock system, TCS and vehicle stability control system are not triggered; The TCS and vehicle stability control system are not manually disabled.

When SCC can be activated, combination instrument SCC cruise is on but inactivation indicator lamp lights up. At this time, press the advanced cruise button twice, SCC is activated and enters the working state, and the SCC cruise activation indicator lamp lights up.

If the lane marking on both sides are clear and the vehicle is in the center of the lane, it will enter the lateral and longitudinal controls at the same time.

If the lane marking on both sides is not clear or the vehicle is not in the center of the lane, it will enter the longitudinal control first and start searching for the lane marking, and enter the lateral control at the same time after the conditions are met.

When there is no vehicle ahead, SCC can be activated within the speed range of 15~130 km/h.

When there is a vehicle ahead, SCC can be activated within the speed range of 0~130 km/h.

When the vehicle speed is lower than 30 km/h, 30 km/h is automatically set as the cruising speed. When the vehicle speed is higher than 30 km/h, the current vehicle speed can be set as the cruising speed.

When SCC enters longitudinal control and starts searching for lane marking, the driver can release the accelerator pedal and SCC will maintain the set cruising speed.

When there is a vehicle ahead, SCC will automatically adjust the speed according to the speed and distance of the vehicle ahead, and the maximum speed will not exceed the cruising speed.

When there is no vehicle ahead, SCC will quickly control the speed of the vehicle to cruising speed.

When SCC enters the lateral control, it will actively control the direction. Please keep your hands lightly holding the steering wheel. At this time, the superimposed hand force may have a slight impact on the lateral control. Please pay close attention to the vehicle's driving conditions and be ready to take over the steering wheel to control the direction at any time.

The steering wheel may rotate when the SCC is controlling the direction. When SCC accelerates actively, the accelerator pedal will not move; The brake pedal may move when the SCC decelerates.

Exit SCC

When any of the following occurs, SCC will exit the activated state, no longer automatically control the speed and direction, and remind you by sound:

1. Press the Advanced Cruise Control button.

2. Depress the brake pedal.

3. Keep stepping on the accelerator pedal to take over the vehicle actively for about 1 minute.

4. The vehicle follows and remains stationary for more than 3 minutes.

In addition, when the SCC does not meet the activation conditions, it will exit by itself. The driver should take over the brake pedal, accelerator pedal and steering wheel of the vehicle immediately after the SCC exits to control the speed and direction of the vehicle.

After SCC exits, the vehicle may slow down due to energy recovery braking and no longer maintain the set distance from the vehicle ahead.

Caution

- SCC only works when the steering wheel is held during driving, so that the driver can take over the steering wheel control at any time. If the system detects that the driver's hands are not holding the steering wheel, it will remind the driver through visual and sound means.
- SCC may still prompt an alarm when the driver holds the steering wheel. In this case, the driver can hold or shake the steering wheel gently to cancel the alarm.
- If the lane marking on both sides is clear, SCC will keep the vehicle in the lane. However, in special road conditions or rainy days, poor light at night, etc., the ability of SCC to identify lane marking is reduced, which may lead to failure to stay in the lane in an appropriate way or the risk of scratching. It is recommended to temporarily turn off SCC or switch to ACC.

Warning

- SCC may exit unexpectedly due to unexpected circumstances. The driver needs to always pay attention to the traffic conditions and road environment and be ready to take over the vehicle at any time.
- When ESC OFF is turned on, SCC will be deactivated automatically, and the driver shall take over the vehicle immediately after SCC exits.

Warning

- When using SCC, the driver must hold the steering wheel and look at the road ahead. If the system detects that the driver is still not holding the steering wheel after a period of time, it will give a text prompt [Please hold the steering wheel] on the combination instrument and a prompt sound. If the system detects that the driver has not held the steering wheel all the time after a period of time, the SCC will exit.
- SCC may not detect that the driver's hands are not holding the steering wheel, resulting in missing alarm. Do not rely on the system to remind you to hold the steering wheel.

Speed adjustment

When SCC is activated:

1. Short press the advanced cruise control recovery/acceleration button or the speed setting/deceleration button to increase or decrease the cruising speed by 1 km/h.

2. Press and hold the advanced cruise control recovery/acceleration button or vehicle speed setting/deceleration button to continuously increase or decrease the cruising speed by 5 km/h.

3. The maximum set speed of SCC is 130 km/h.

4. The minimum set speed of SCC is 30km/h, but it can follow up to 0km/h.

Warning

The above maximum speed is the maximum speed theoretically supported by the SCC. When using SCC, please observe road traffic safety regulations, including but not limited to vehicle speed regulations.

Headway adjustment

When SCC is in standby or activated, press the distance increase or distance decrease button to set the following distance. The following distance has 4 adjustable gears, and the default is the 4th gear (the farthest gear).

Caution

- When the following distance is set relatively close, the SCC driving behavior is more intense, which may cause discomfort.
- The following distance is set according to the safety and comfort of the vehicle, and there will be a certain distance from the vehicle ahead in specific scenarios.

Warning

It is the driver's responsibility to ensure a safe following distance at all times. Do not rely solely on SCC to maintain a safe distance.

Combination instrument information

1. SCC lateral cruise status

No indicator lamp appears: SCC lateral control is not activated temporarily or cannot be activated because the conditions are not met.

: SCC lateral control is in pending activation state and can be activated by pressing the button.

: SCC lateral control is activated and enters the working state.

2. SCC longitudinal cruise state

No indicator lamp appears: SCC longitudinal control is not activated temporarily or cannot be activated because the conditions are not met.

120 : SCC longitudinal control is in pending activation state and can be activated by pressing the button.

120 : SCC longitudinal control is activated and enters the working state.

3. Set cruising speed

4. Lane marking of the vehicle

When the lane marking of the vehicle is not present, it means that the lane marking is not recognized; If the lane marking icon is gray, it indicates that the lane marking is recognized and the function is to be activated; If the lane marking icon is blue, it indicates that the lane marking is recognized and the lateral control is activated.

5. Following distance

Caution

- The combination instrument display is only for illustration and does not fully reflect the real traffic conditions. Do not rely on the display content of the combination instrument.

Warning

- If you find any danger, please do not wait for the warning on the combination instrument interface before taking action. Please take over the vehicle immediately.
- SCC cannot guarantee that the target can be accurately identified in all cases. If the target vehicle ahead displayed on the combination instrument is inconsistent with the actual situation (for example, there is a vehicle ahead but it is not displayed, or there is no vehicle ahead but a vehicle is displayed), please take over the vehicle immediately.

Following start/stop

When SCC stops following the vehicle ahead:

1. If the vehicle ahead starts, SCC will automatically follow the vehicle to start. The driver needs to confirm the safety of the surrounding environment at all times to avoid collision accident.

2. When the vehicle stops following the vehicle ahead for more than 3 seconds, the driver needs to confirm that the surrounding environment is safe, and press the advanced cruise control recovery/acceleration button or step on the accelerator pedal to reactivate SCC, and the vehicle will start following the vehicle ahead.

3. After about 3 minutes, SCC will exit.

After SCC stops following the vehicle ahead, SCC will start to follow the vehicle ahead when the starting distance of the vehicle ahead exceeds that of the vehicle by about 4 m.

Caution

When the lane marking on both sides is not clear, but there is a qualified vehicle directly in front at close range, the vehicle can follow the vehicle in a short time.

Warning

● SCC cannot detect other traffic participants in all cases, and may be invalid, improper or untimely due to several factors.

● The driver must always pay attention to the traffic conditions and road environment. Do not rely on SCC to automatically follow the vehicle to start, otherwise personal or vehicle damage may occur.

● When the lane marking on both sides is not clear and the vehicle is following the vehicle ahead, the vehicle ahead changes the driving path slowly, and the vehicle has the risk of collision with the vehicle next to it. The driver needs to be ready to take over the vehicle at any time to ensure driving safety. If the vehicle ahead changes its driving path too fast or the steering angle is too large, the vehicle cannot follow the vehicle ahead, and the vehicle will drive at cruising speed due to the disappearance of the following target, and there is a possibility of sudden acceleration.

Takeover and recovery

When driving with SCC, the driver can step on the accelerator pedal deeply or turn the steering wheel at any time to take over the vehicle actively. When the vehicle is actively taken over by deep pressing the accelerator pedal, SCC will no longer respond to the target vehicle ahead.

After stopping deep pressing the accelerator pedal, SCC will immediately resume longitudinal control.

When actively taking over by turning the steering wheel, the SCC lateral control will be deactivated temporarily, but the longitudinal control will be retained and the lane marking will be searched. At this time, the direction of the vehicle is controlled by the driver.

After the steering wheel stops turning, SCC will automatically resume lateral control if the lane marking on both sides is clear and the vehicle is in the middle of the lane.

When SCC is deactivated by pressing the advanced cruise control button or stepping on the brake pedal, it can be reactivated by pressing the advanced cruise control recovery/acceleration button and restore the previously set cruising speed.

When the SCC stops following the vehicle ahead, it can be reactivated by pressing the advanced cruise control recovery/acceleration button or depressing the accelerator pedal, and the previously set cruising speed will be restored.

Re-activate SCC, enter the longitudinal control preferentially and start searching for lane marking. If the lane marking on both sides is clear and the vehicle is in the center of the lane, enter the lateral control at the same time.

Caution

● When the SCC lateral control is working normally, if the driver needs to change lanes, please take the initiative to take over the steering wheel to control the direction of the vehicle and exit the SCC lateral control.

● When the SCC lateral control is working normally, the SCC lateral control will temporarily be deactivated when the turn signal lamp is turned on by toggling the turn signal/windshield wiper switch. The driver needs to take over the steering wheel to control the vehicle direction in time. At this time, the longitudinal control is retained and the lane marking is continuously searched, and the lateral control is automatically restored when the conditions are met.

Functional limitations

The following conditions may cause SCC lateral control failure or temporary deactivation, and the driver needs to take over the steering wheel to control the vehicle direction in time. At this time, the longitudinal control is retained and the lane marking is continuously searched, and the lateral control is automatically restored when the conditions are met. This includes, but is not limited to:

1. Pass through curves with excessive curvature, such as high-speed ramps.

2. The lane marking is not clear, worn, missing, crossed, or blocked by shadows cast by other vehicles or buildings or scenery.

3. Pass through the road section without lane marking, such as non-standardized roads, intersections, construction areas, etc.

4. Pass through the road section with special lane marking, such as deceleration warning lines, diversion lines, etc.

5. Pass through the areas with unclear lane division, such as lane marking convergence or separation areas, highway ramps, urban intersections, left-turn waiting areas, etc.

6. The pavement has edges or other high-contrast lines that are not lane markings, e.g., pavement joints, curb, etc.

7. The lane marking cannot be recognized or is not recognized correctly due to the height change (e.g., when going uphill or downhill).

8. The lane marking cannot be recognized or is incorrectly recognized due to light reasons, such as strong light causing the lane marking to reflect light, poor weather, poor visibility or insufficient light at night.

9. The distance between the lane marking on both sides is too wide or too narrow.

The following conditions may cause the ADAS camera to identify obstacles, affect the SCC performance, and even cause the SCC to exit.

This includes, but is not limited to:

1. The installation position of ADAS camera is changed.

2. The ADAS camera is blocked or dirty.

3. The recognition capability is decreased at night.

4. The surrounding environment is dark, such as dawn, dusk, night, and tunnel.

5. Sudden changes in ambient brightness, such as tunnel entrances or exits.

6. Large shadows cast by buildings, landscapes, or large vehicles.

7. The ADAS camera is directly illuminated.

8. Rain, snow, fog, haze and other severe weather.

9. Exhaust, water spray, snow or dust raised by the vehicle ahead.

10. There is water, dust, micro-scratches, greasy, dirt, wiper, freezing, snow, etc. on the windshield in front of the ADAS camera.

11. Wet pavement.

It is not recommended to use SCC under special or complex road conditions, which may affect SCC performance or even cause SCC to exit, including but not limited to:

1. Waterlogged, muddy, potholed, ice and snow-covered roads, road with speed bumps or obstacles.

2. Traffic conditions with many pedestrians, bicycles or animals.

3. Complex and changeable traffic conditions, such as busy intersections, expressway ramps, congested roads, etc.

4. Winding and twisting roads, sharp turning roads.

5. Uphill and downhill roads.

6. Bumpy roads.

7. Narrow roads.

8. Tunnel entrance and exit.

9. Non-standardized roads.

10. Road without median strip.

If the relative speed to the vehicle ahead is too high under the following conditions, the SCC may have limited control ability, which will result in failure to maintain the distance in time. This includes, but is not limited to:

1. The vehicle ahead suddenly maneuvers (such as sudden turning, acceleration, deceleration, etc.).

2. Other vehicles suddenly drive in or out of the front of the vehicle.

3. When the vehicle suddenly drives into the rear of the vehicle ahead.

4. The vehicle runs at a high speed towards a stationary or slow-moving target ahead.

Sufficient brake force may not be obtained in the following cases. This includes, but is not limited to:

1. The brake function cannot work completely (e.g. brake parts are too cold, overheated, wet, etc.).

2. Improper vehicle maintenance (such as excessive wear of brake or tire, abnormal tire pressure, etc.).

3. The vehicle is running on special roads (such as uphill and downhill, waterlogged, muddy, potholed, ice and snow-covered roads, etc.).

Only vehicles that meet the conditions will be responded to by SCC. The following targets are not guaranteed to be identified and may be responded to, including but not limited to:

1. Side-passing vehicles.

2. Oncoming vehicles.

3. Bicycle, motorcycle, tricycle.

The following objectives will not be responded to, including but not limited to:

1. Persons.

2. Animals.

3. Traffic lights.

4.Walls.

5. Barricades (cone barrels, etc.).

6. Other non-vehicle objects.

Caution

SCC may miss the detection of stationary or slow-moving vehicles and cannot guarantee the identification of special vehicles, especially at night. For example: vehicles with shielded tail, vehicles with irregular shape, vehicles with the vertical plane of the tail lower than a certain height, etc.

The following situations may cause SCC to recognize and respond too late because the target is not directly ahead, including but not limited to:

1. SCC will not respond to targets in the blind spot of the sensor. For example, the corner blind spot and side blind spot of the vehicle cannot be detected.

2. When approaching or turning through the road, the target may be mistakenly selected or missed, resulting in unexpected acceleration and deceleration of the vehicle.

3. Being on a slope may cause loss of target or misjudgment of distance from vehicle ahead. Driving speed will increase when going downhill, resulting in exceeding cruising speed.

4. When only part of the body of the vehicle in the adjacent lane drives into the front of the vehicle (especially large vehicles such as buses and trucks), it may not be able to recognize the response, and the driver needs to take over in time.

5. When the vehicle suddenly drives into the rear of the vehicle in front, or other vehicles suddenly drive into or out of the front of the vehicle, the target may not be identified in time, and the driver needs to take over in time.

Caution

- SCC occasionally accelerates when acceleration is not required or the driver does not intend to accelerate, which may be caused by a change or loss of following target (especially during turns or lane changes).
- SCC occasionally brakes when braking is not required or the driver does not intend to brake. This may be caused by detecting a change or loss of a vehicle, object or stationary target in the adjacent lane, especially during a turn or lane change.
- SCC may provide visual reminders of hazardous targets ahead, lane changes, unclear lane marking, sharp turn, construction areas or environments with limited ADAS camera vision. Please drive carefully.
- The environment reminder is for reference only and cannot replace your attention and judgment. It may be invalid, improper or untimely due to several factors. You must always pay attention to the traffic conditions and road environment, and do not rely on the judgment of environmental reminders.

Warning

- As a ADAS function, SCC cannot cope with all traffic, weather and road conditions. Do not rely on this function completely.
- The driver must always pay attention to the traffic conditions and road environment, and decide whether to use SCC independently under the premise of ensuring safety. When using SCC, if you find that the traffic conditions, road environment or vehicle conditions are not suitable for using this function, or there are other unsafe factors, you should be ready to take over the vehicle at any time. The driver always bears the ultimate responsibility for maintaining a suitable distance and speed, and complying with current traffic laws and regulations.
- SCC is a comfort function rather than an anti-collision function, so its maximum deceleration is limited and less than the maximum deceleration that can be requested during AEB and driving. Do not rely on SCC to fully decelerate the vehicle to avoid collision.
- When the relative speed between the vehicle and the vehicle ahead is greater than 50 km/h, if the vehicle ahead is stationary or slow, there is a risk that the SCC cannot stop the vehicle. To ensure safety, please exit SCC and take over the vehicle immediately in the above cases. Do not try to stop a stationary vehicle or stop following the vehicle ahead with SCC in the above cases.

Warning

- The maximum steering force of SCC is limited and less than the maximum steering force that can be requested during driving. Therefore, do not rely on SCC to fully steer the vehicle to control the direction. The driver should always be ready to take over the steering wheel control direction, especially in curves.
- If it is necessary to turn, turn around, or pass through winding and sharp turn roads, the driver shall take over the steering wheel to control the direction immediately. Do not use SCC in these cases.

Warning

Do not do the following while driving:

- Rely solely on SCC.
- Use SCC in severe weather.
- Use SCC in environments with many pedestrians, bicycles or animals.
- Use SCC on roads with small turning radius.
- Use SCC when the lane marking is not clear or the light conditions are poor.
- Keep both hands off the steering wheel.
- Keep your eyes off the road.

High beam automatic control (IHC)*

During driving, the vehicle automatically switches the high and low beam according to the driving environment, including ambient light factors such as vehicles and street lights.

Switch setting

Click [Vehicle Control] - [ADAS] in the navigation bar at the bottom of infotainment system to turn [Intelligent High Beam Control] on or off, and the function is turned on by default.

Function activation

IHC can be activated if all of the following conditions are met:

1. The IHC function of the infotainment system has been turned on.
2. The speed is higher than 30 km/h.
3. The low beam is turned on.

Function trigger

IHC turning on high beam: the external environment is dark and there are no other traffic participants in front.

IHC turning off high beam: the external environment is bright or there are other traffic participants ahead.

Function exit

If the IHC meets any of the following conditions, the function will exit:

1. Low beam is turned off.
2. The IHC function of the infotainment system is turned off.
3. The vehicle speed drops below 25 km/h.
4. The light control is the overtaking lamp or high beam gear.

Functional limitations

1. Rain, ice, snow, dense fog and dirt may cause degradation of IHC performance.

2. When the light of the oncoming vehicle is blocked (such as the crash barrier), IHC may not work properly.

3. When there are highly reflective objects (such as traffic signs) near the road, IHC may not work properly.

4. When driving on bad road sections (such as slippery road, slopes or pits, sharp turn, etc.), IHC may not work normally due to unstable body.

Warning

- The intelligent high beam control is an auxiliary function and cannot function in all driving situations or traffic, weather and road conditions. The driver shall always bear the ultimate responsibility for ensuring safe driving of the vehicle and shall comply with applicable laws and road traffic rules.
- Extreme weather such as heavy rain, heavy snow, heavy fog, or when the ADAS camera is blocked, it may affect the normal use of this function. Please drive carefully.

Traffic sign recognition (TSR)*

When the vehicle is running, the road traffic signs are identified and displayed on the combination instrument interface to remind the driver to drive carefully.

Switch setting

Click [Vehicle Control] - [ADAS] in the navigation bar at the bottom of infotainment system to turn [Traffic Sign Recognition] on or off, and the function is turned on by default.

Function trigger

1. Speed limit sign

2. Prohibition/warning signs

TSR will display the above traffic signs on the combination instrument interface after identifying them.

Caution

- The combination instrument display is only for illustration and does not fully reflect the real traffic conditions. Do not rely on the display content of the combination instrument.

Functional limitations

The following conditions may cause the recognition of road signs to be unrecognizable or limited, including but not limited to:

1. The ADAS camera is blocked.

2. Road signs are faded, damaged, obscured, covered by ice, snow, dust or on curves.

3. Multiple speed limit signs appear consecutively, or there are different speed limit signs on adjacent roads.

4. The TSR may be misidentified due to reasons such as the clarity of traffic signs.

Caution

- TSR currently only detects some signs such as speed limit signs, no overtaking, attention to children, road construction, etc.
- TSR cannot accurately identify embedded traffic signs and traffic signs with auxiliary signs.
- The TSR can detect standard signboards, LED speed limit signs or speed limit release signs within 5-120 m in front of the vehicle.
- Keep the front windshield clean and free of ice, snow, fog and dirt.
- Do not paste any substance on the front windshield, which may reduce the effectiveness of TSR or cause the system to stop working.
- The TSR may not be able to recognize the traffic sign that does not conform to the format of the approved standard.
- TSR cannot replace the driver's attention and judgment. The driver is always responsible for ensuring that the vehicle runs safely at an appropriate speed and complies with current traffic laws and regulations.
- The TSR may not be able to recognize the traffic sign when the sensor is blocked by snow, ice or dust on a curved road or a ramp road.
- The recognition performance will be limited when the visibility is low, such as in heavy fog, rain or snow.

Caution

- The TSR may not be able to recognize the traffic sign when the glare (oncoming headlight light or direct sunlight) hinders the view of the ADAS camera.
- TSR may not be able to recognize the traffic sign that does not conform to the standard format.
- TSR displays the speed limit information on the combination instrument according to the speed limit sign identified by the ADAS camera; When there is no speed limit information source for the ADAS camera, no speed limit prompt will be displayed.

Warning

- As a ADAS function, TSR cannot cope with all traffic, weather and road conditions. The driver must always pay attention to the traffic conditions and road environment, and decide whether to use this function independently under the condition of ensuring safety.
- The driver always bears the ultimate responsibility for safe driving and compliance with current traffic laws and regulations.

Regular maintenance

Daily inspection items

Item	Contents of inspection
Engine oil level	Check the engine oil level at each refueling.
Coolant level	Check the coolant level at each refueling.
Power battery coolant level	During daily maintenance, check the level of the coolant expansion tank, which shall not be lower than the minimum scale.
Brake pedal	Check whether the brake pedal can be operated freely before each driving.
Horn	Check whether the horn is normal before each driving.
Door	Check whether the tailgate and all other doors (including the rear door) can be opened and closed freely and locked firmly.
A/C system	Check the operation of the A/C unit weekly.
Washing liquid	Check the washing liquid stock once a month.
Wiper	Check the condition of the wiper once a month.
Brake	Check the brake fluid level once a month.
Tire	Check the tire pressure once a month. Check whether the tread is worn and whether it is embedded with foreign matters.
12V low-voltage battery	Check the condition of the 12V low-voltage battery and the corrosion of the terminals once a month.
Front windshield Defroster	For each use of heater and A/C, check the air outlet of the defroster.
Lamps	Check the condition of headlamp, side lamps, tail lamps, high-mounted brake lamp and license plate lamps once a month.

Cleaning and maintenance

External maintenance

Regular and professional maintenance can keep the vehicle in good condition. The following describes how to keep the appearance of the vehicle clean, including paint, polishing and wheel, as well as measures related to corrosion prevention.

Vehicle washing

Wash the vehicle frequently to help protect the appearance of the vehicle. Dust and grit can scratch the paintwork, and leaves and bird droppings can permanently damage the finish of the body surface. The body should be cleaned in a cool place.

Use only the solvents and detergents recommended in the User's Manual. While drying the body, check the body for paint peeling or scratches. If any, it shall be repaired with touch-up paint.

Caution

- The use of chemical solvents and strong detergents when cleaning the vehicle will damage the paint, metal and plastic parts of the body. It is recommended to rinse the vehicle thoroughly with clean water to remove floating dust.
- Check the body for asphalt, leaves and other dirt, which can be removed with asphalt remover or turpentine, and then rinse with clean water immediately to avoid damage to the surface finish of the body.
- After cleaning the entire body surface, dry it with a soft towel. Natural drying in the air will cause the appearance of the body to lose luster or form water stains.

Waxing

Vehicle waxing is beneficial to prevent adhesion of dust and road chemicals. Waxing can only be carried out after the vehicle is cleaned and dried, and waxing shall be carried out at least once every three months to help protect the vehicle body. A good quality liquid or paste wax shall be used. When using, follow the instructions on the package.

There are generally two types of products:

Body wax

Body wax is a wax applied to the paintwork to protect it from damage caused by sunlight, air pollution, etc. It is recommended to use the new vehicle for about half a year before applying body wax.

Polishing wax

Polishing wax can restore the oxidized or tarnished paintwork to its original luster. This type of wax generally contains mild abrasives and solvents that can remove the oxidized paintwork surface. If the paintwork fails to regain its original gloss after the body wax is applied, it should be coated with polishing wax.

Caution

When cleaning agent is used to remove asphalt, insects and other dirt, it will cause dewaxing. Therefore, it is necessary to replenish wax at the dewaxing position.

Repair of paintwork

When small cracks and scratches appear on the paint coating, they shall be repaired immediately with special repair coating film or repair paint to prevent corrosion.

Aluminum alloy wheel

During the cleaning of the exterior of the body, the aluminum alloy wheel of the vehicle shall be cleaned at the same time. After cleaning, rinse the aluminum alloy wheel thoroughly with water.

Front compartment drip channel

The front compartment drip channel is located in front of the front windshield and under the wiper cover. It is a very important waterway flow structure at the front of the vehicle.

The drainage condition of the front compartment drip channel shall be checked every 5000 km to ensure that the wiper cover plate is clean and tidy as much as possible, and to avoid damage to related electrical equipment caused by blockage or water accumulation in the internal drain hole of the drip channel. If there is blockage and water accumulation, please contact the Forthing Special Service Station in time.

Vehicle sealing strip

The sealing strip is a rubber sealing part installed on the door or body. It is one of the parts to ensure the waterproof sealing of the door and belongs to other parts.

The surface of the sealing strip shall be cleaned in time during the use of the vehicle to avoid excessive wear caused by grit or hard particles on the surface of the sealing strip. If the sealing strip surface is worn or damaged, please contact the Forthing Special Service Station in time.

Internal maintenance

Carpet

The carpet shall be vacuumed frequently with a vacuum cleaner to remove dust. Excessive dust will accelerate the damage to the carpet. Regular washing with detergent can keep the carpet clean as new.

Braided fabric

The dust and dirt on the braided fabric shall be removed with a vacuum cleaner frequently. It can be washed with low-temperature neutral soapy water and then dried in the air.

Vinylon

Remove dust and dirt with a vacuum cleaner. Scrub the vinylon with a soft cloth soaked in neutral soapy water to remove stains that are difficult to be removed, or spray or foam vinylon cleaner can also be used.

Leather

It is necessary to frequently use a vacuum cleaner to remove the dust and dirt on the leather, especially at the wrinkles and seams. The leather can be cleaned with a soft cloth dipped in water, and then dried with another soft dry cloth. If further cleaning is required, special soap for cleaning leather can be used.

Window

Clean the inside and outside of the window with glass detergent. Dry all glass and plastic surfaces with a soft cloth or paper towel.

Seat belt

If the seat belt becomes dirty, scrub it with a soft brush dipped in neutral warm soapy water. Do not use bleach, dye or cleaning solvent, as these items will reduce the durability of the seat belt. Do not use the seat belt until it is dry.

Too much dust at the seat belt outlet can cause the seat belt to retract slowly. Wipe the inside of the buckle with clean soft cloth dipped in neutral warm soapy water or isopropyl alcohol. It is not recommended to disassemble the seat belt for cleaning. If it must be cleaned by disassembling, please contact the Forthing Special Service Station.

Air freshener

If you need to use air fresheners or deodorants in the vehicle, it is recommended to use solid air fresheners. Some liquid air fresheners contain chemical components that will cause the fibers of interior trims and braided fabrics to break or fade.

If liquid air freshener is used, ensure that it is properly fixed to avoid splashing during driving.

Anti-corrosion

Salt, dirt and moisture are easy to accumulate under the vehicle. If the vehicle paint is scraped or worn by stones and gravel, it will cause the metal to lose protection and be exposed, resulting in vehicle rust. Common measures to prevent rusting include:

1. Keep the vehicle clean.

2.Keep the garage dry.

3. Keep the paintwork and decorations in good condition.

4. Carry out in-vehicle maintenance regularly.

Self-maintenance

It is recommended that the extender be operated at low speed for 2~3 minutes before turning off the vehicle after each long-time high-speed operation of the extender. This allows the extender to cool down fully and prolong the service life of the extender.

Engine compartment

Open the engine hood

1. Pull the engine hood release handle located under the left side of the dashboard, and the engine hood will bounce slightly.

2. Push the safety lock lever in front of the engine hood to the left with your finger and lift the engine hood.

3. Remove the stay bar on the engine hood and put it in the designated support position.

Close the engine hood

1. Take out the stay bar and fasten it at the designated position of the engine hood.

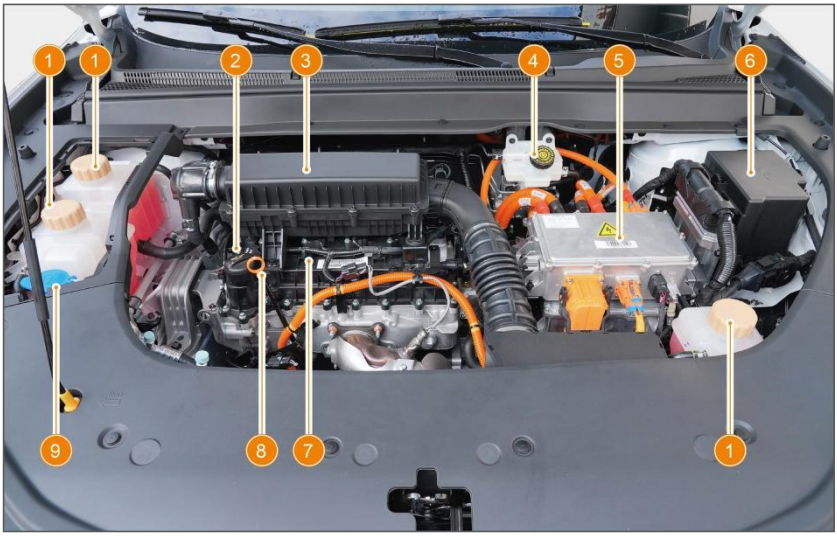
2. Hold the engine hood by hand and lower it to a height of about 30 cm from the closed position, and then release it to make it fall freely to close the engine hood. If it is not locked in place, press the front middle of the engine hood firmly until it is fully closed.

Warning

- Make sure that the wiper is retracted before opening the engine hood.
- Before starting the vehicle, make sure that the engine hood is locked.

Arrangement of engine compartment

The picture is for reference only, and the actual vehicle shall prevail.



1. Drive system coolant reservoir
2. Engine oil filler cap
3. Air filter
4. Brake fluid reservoir
5. High-voltage distribution box assembly
6. Engine compartment fuse box
7. Extender
8. Oil dipstick
9. Windshield washing liquid reservoir

Engine oil

Engine oil selection

Please select the engine oil suitable for your vehicle.

Extender model	Engine oil grade	Filling quantity
4F15N	SP 5W-30	4L

This vehicle does not require any engine oil additives. Additives do not improve the performance of the extender.

Caution

Dongfeng Liuzhou Motor Co., Ltd. will not be liable for any adverse consequences to the extender due to the use of additives.

Technical requirements for lubricating oil for Euro VI vehicles equipped with GPF (Gasoline Particulate Filter)

The main function of GPF is to filter the particulate matter in the exhaust gas and reduce the concentration and quantity of particulate matter in the tail gas.

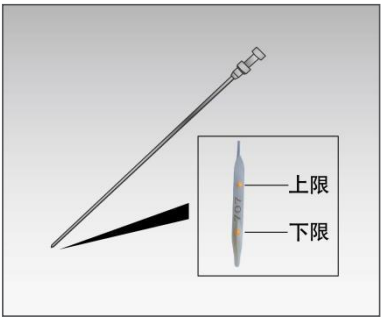
As the use time increases, the particulate matter collected by the GPF will increase, and when it accumulates to a certain extent, the GPF will be blocked, resulting in poor exhaust and affecting the power of the extender.

During the process of lubricating the extender, part of the lubricating oil will enter the combustion chamber and be burned, and then enter the three-way catalytic converter and GPF particulate filter and other emission treatment devices with the exhaust system of the extender. Since the ash formed after the combustion of the lubricating oil is a metal salt substance, it cannot be removed by regeneration and gradually accumulates in the GPF, resulting in GPF blockage.

The formation of ash is closely related to the additive substances of lubricating oil. In order to reduce ash, low-ash and high-grade engine oil should be used. The Forthing special "Tongyi Petroleum low-ash SP 5W-30 (LA)" engine oil has low ash, which can effectively reduce GPF blockage, ensure the normal and effective operation of the extender, and then reduce maintenance costs.

Oil level inspection

Engine oil is a consumable that ensures the normal operation of the extender, and the oil level shall be checked regularly. For example, the oil level should be checked before each long trip. Park the vehicle on a level road and start the vehicle. After the vehicle is powered off, wait for about 5 minutes and then check the oil level.



1. Take out the oil dipstick.

2. Wipe the oil dipstick with a clean cloth or paper towel.

3. Insert the oil dipstick back into the sleeve.

4. Take out the oil dipstick again and check the extender oil level. The oil level must be between the upper and lower marks.

Warning

- The oil level shall be checked frequently. Damage to the extender caused by insufficient engine oil is not covered by warranty.
- Be sure to replace the engine oil and engine oil filter element regularly according to the maintenance regulations.

Engine oil supplement

1. Unscrew the engine oil filler cap and fill the engine oil.

2. Cover the engine oil filler cap and tighten it. Start the vehicle and power-off it after a few minutes. After about 5 minutes, check the oil level on the oil dipstick again.

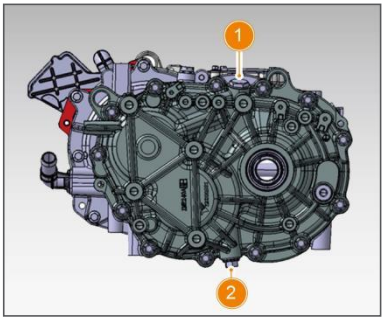
Caution

- The engine oil shall be poured slowly to avoid engine oil spillage. Spills should be cleaned up immediately.
- If the skin accidentally contacts the engine oil, it must be thoroughly cleaned.

Warning

- Please use the engine oil of the grade specified by Forthing.
- In any case, the engine oil level shall not exceed the upper limit of the oil dipstick, otherwise it may cause the engine oil to burn in the three-way catalytic converter, damage the three-way catalytic converter and cause carbon deposition on the spark plug.
- Please dispose of the used engine oil in accordance with relevant environmental protection laws.

Reducer lubricating oil



1. Oil filling port

2. Oil drain port

The lubricating oil in the reducer shall be replaced regularly according to the mileage. When replacing, the oil in the reducer shall be completely drained, and then new lubricating oil shall be injected.

Please select the reducer lubricating oil suitable for the vehicle. For specific specifications and filling amount, please refer to the "Fluid Specifications and Capacity" in the "Vehicle Specifications" section.

Coolant

Coolant level inspection

Check whether the coolant level is between the maximum (MAX) and minimum (MIN) scale lines. If it is lower than the minimum scale line, add coolant to the coolant expansion tank until the level is between the maximum and minimum scale lines.

Coolant supplement

Open the coolant reservoir cover to add coolant, and tighten the reservoir cover after adding.

Warning

- Please use the all-season antifreeze coolant specified by Forthing.
- Do not add any rust inhibitor or other additives to the cooling system.
- Do not use different brands of coolant or water instead of all-season antifreeze coolant, otherwise chemical reactions are likely to occur, affecting the service life of the extender.
- The spilled coolant shall be wiped in time, otherwise the parts in the extender room may be damaged.
- If tap water or coolant not specified by the Dongfeng Liuzhou Motor Co., Ltd. is used, resulting in blockage and other damage to the radiator, the Dongfeng Liuzhou Motor Co., Ltd. will not assume any responsibility.
- It must be confirmed that the extender and radiator are completely cooled before the coolant expansion tank cover is opened, otherwise the coolant may spray out and cause serious scalding.

Coolant replacement

Under normal circumstances, the coolant needs to be changed every 2 years or 40,000 km, whichever comes first.

Brake fluid

Brake fluid level inspection

1. The level in the reservoir shall be checked once a month.

2. The level shall be between the upper limit (MAX) and the lower limit (MIN) of the reservoir wall. If the level is at or below the lower limit (MIN) mark, please contact the Forthing Special Service Station for inspection in time.

Brake fluid replacement

The brake fluid will absorb moisture in the air. Excessive moisture content will cause corrosion damage to the brake system, and the boiling point of the brake fluid will also decrease significantly. The brake fluid should be replaced in time according to the requirements of the regular maintenance table. If you need to change the brake fluid, please contact the Forthing Special Service Station.

Warning

- Be sure to use the brake fluid specified by Forthing or the products of the same grade packaged in airtight containers approved by Forthing. Different brake fluid cannot be mixed for use.
- Do not mix brake fluid with liquids containing mineral oil (engine oil, gasoline, etc.), which will damage the seals and sealing plugs of the brake device.
- The brake fluid is toxic and should be kept out of reach of children. In case of accidental ingestion, go to the hospital for examination immediately.

Warning

- The brake fluid is corrosive and is not allowed to contact with the paint. Once spilled on the paint, it needs to be cleaned with a large amount of water.
- Brake fluid will damage the skin. If the skin or eyes are splashed by coolant accidentally, a large amount of water is required for cleaning. If you feel unwell, you should go to the hospital for examination immediately.

Brake fluid maintenance and technical requirements

1. The maintenance cycle for brake fluid is to replace it every 2 years or 40,000 km, whichever comes first.

2. The technical requirements of the brake fluid shall comply with relevant regulations.

Glass washing liquid

1. Check whether there is enough washing liquid in the windshield washer fluid reservoir at least once a month.

2. If no water is sprayed when using the wiper spray function, it indicates that the glass washing liquid is insufficient, and it is necessary to add high-quality washing liquid that can improve the cleaning ability and prevent freezing in cold weather.

3. If ethanol-based washing liquid is used, the ethanol content of the washing liquid should not be higher than 24%.

Caution

Antifreeze will damage the surface paint of the vehicle, and vinegar water solvent will damage the glass washer water pump. It is recommended to use the glass washing liquid specified by Forthing.

A/C filter

The A/C filter can remove pollen and dust brought into the A/C system from the outside.

The A/C filter must be replaced during regular maintenance every 2 years or 20,000 km.

Caution

- When the A/C is not used for a long time or in cold months, the A/C shall be turned on at least once every two weeks for at least 5 minutes each time. This is to prevent deterioration of lubrication of the parts inside the compressor and to keep the A/C in the best operating condition.
- If you often drive in areas with heavy smoke and dust, shorten the replacement cycle of the filter.

Replace the A/C filter

The A/C filter is located in the A/C box on the lower left side of the passenger glove box.

1. Unscrew the self-tapping screw of the A/C filter plastic cover and pull out the A/C filter plastic cover.

2. Squeeze the upper and lower sides of the A/C filter to disengage it from the tabs on both sides, and remove the filter.

3. Insert a new A/C filter.

4. Insert the plastic cover plate of the A/C filter and tighten the self-tapping screws.

Air filter

The air filter is an important component to prevent air dust from entering the cylinder and causing abnormal wear of the cylinder block. The air filter shall be replaced according to the time and mileage specified in the regular maintenance table.

Caution

- Improper installation or unqualified air filter will cause abnormal wear of cylinder block.
- It is recommended to clean and replace the air filter element at the Forthing Special Service Station.

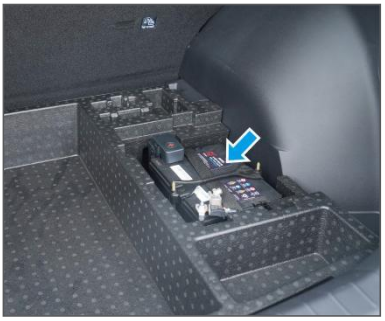
Fuel filter

The fuel filter shall be replaced according to the specified time and mileage. It is recommended to replace the fuel filter every 3 years or 60,000 km or when the fuel is found to be contaminated. When driving in dusty areas, the filter will be more likely to be blocked. Please shorten the replacement cycle appropriately. If you need to replace the fuel filter, please contact the Forthing Special Service Station.

Filler pipe ash filter

Check the ash filter once every 1 year or 20,000 km. If the ash filter is blocked, adjust or replace it if necessary. When driving in dusty areas, the ash filter will be more likely to be blocked. Please shorten the inspection/replacement cycle appropriately. If you need to replace the filler pipe ash filter, please contact the Forthing Special Service Station.

12V low-voltage battery



This vehicle is equipped with a maintenance-free 12V low-voltage battery. The 12V low-voltage battery is located on the right side under the trunk lid, mainly to provide electric energy for vehicle start-up. If the 12V low-voltage battery is seriously short of power, the vehicle will not be able to start.

Use and precautions

1. Do not turn on lamps, audio, wiper and other electrical appliances for a long time after the vehicle is power-off.

2. If the vehicle is to be parked for more than five days, it is recommended to unplug the negative terminal of the 12V low-voltage battery to prevent the electrical appliances on the vehicle from consuming the 12V low-voltage battery power.

3. The 12V low-voltage battery condition shall be checked once a month. Check whether the terminals are corroded (white or light yellow powder). If there is corrosion, please contact the Forthing Special Service Station.

Emergency treatment of contact with electrolyte

The 12V low-voltage battery electrolyte is highly corrosive and highly toxic. If accidentally contacted, please handle it as follows:

Eye contact: Rinse with water in a cup or other container for at least 15 minutes and seek medical attention immediately.

Skin contact: Take off contaminated clothing, rinse skin with plenty of water and seek medical attention immediately.

Accidental ingestion of electrolyte: Drink water or milk and seek medical attention immediately.

Warning

- When the vehicle is running normally, the 12V low-voltage battery will produce explosive hydrogen. Sparks or open flames will cause the 12V low-voltage battery to explode, and the explosion energy is enough to cause serious injury. Please avoid driving near sparks and open flames.
- If you need to connect the 12V low-voltage battery to other chargers, disconnect both positive and negative cables to avoid damage to the electrical equipment on the vehicle. Disconnect the negative cable first, and connect the negative cable last when reassembling.

Tire

For safe driving, the tire model and size must be suitable for your vehicle model, with good tread and proper tire pressure.

Caution

- The use of excessively worn tire or tire with insufficient tire pressure may cause accidents.
- All instructions on tire inflation and maintenance in this User's Manual must be followed.

Tire pressure label

The vehicle is attached with tire pressure label. The label is located under the driver's side door frame and indicates the front and rear wheel pressure of the vehicle.

For the tire pressure, pay attention to the following points:

1. It is recommended to visually check the tire before each driving.

2. Check whether the tire pressure is normal once a month.

3. If necessary, inflate or deflate the tire to make the tire pressure reach the recommended cold tire pressure on the label.

4. If the tire pressure is checked when the tire is in hot state (after driving for several kilometers), the pressure reading will be 30 to 40 kPa higher than the reading in cold state, which is normal. Do not deflate according to the specified cold tire pressure, which will lead to insufficient tire pressure.

Tire inflation

Maintaining proper tire pressure can achieve the best state of maneuverability, tread life and driving comfort.

Underinflated tires wear unevenly, which will affect handling and increase energy consumption, resulting in overheating and air leakage.

Overinflated tires will reduce the riding comfort, and are more likely to be damaged due to uneven road surface, and cause uneven tire wear.

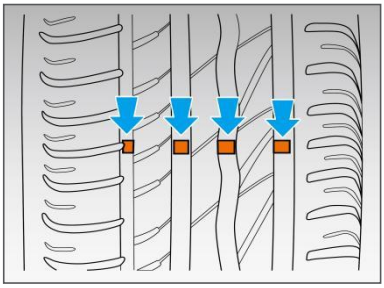
Tire inspection

When checking the inflation state of the tire, check the tire for external damage, foreign body penetration and wear. The specific inspection is as follows:

1. Tread or side damage or bulge. If any of these conditions are found, the tire shall be replaced.

2. Scratches, cracks or fractures on the side of the tire. If the tire fabric or cord is visible, the tire shall be replaced.

3. If the tread is excessively worn, the tire shall be replaced.

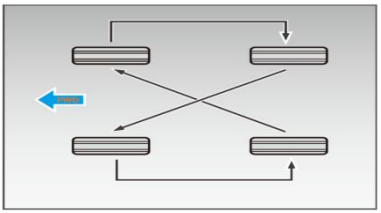


The tire must be kept in good condition, and the tire surface pattern shall be deep enough. The degree of tire wear can be measured by the raised points in the tire driving belt. If the tire tread thickness is ≤1.6 mm, the tire must be replaced. Such tires lack adhesion when driving on slippery roads.

Tire maintenance

In addition to proper inflation, correct wheel alignment also helps to reduce tread wear. If you find uneven tire wear or feel a certain continuous vibration during driving, please contact the Forthing Special Service Station.

Tire rotation



In order to prolong the service life of the tire and make the tire wear evenly, the tire position shall be changed every 10,000 km. Each tire rotation shall be carried out according to the method shown in the figure above.

Wheel and tire specifications

Rim specification: 19 × 7J

Tire specification: 235/55R19

For the tire size suitable for this vehicle, the tire pressure label affixed to the driver's side door frame shall prevail, or contact the Forthing Special Service Station.

Replacement of tire and wheel

Radial tires of the same size, load range, speed rating and maximum cold tire pressure (marked on the side of the tire) shall be selected for replacement. The mixed use of radial tires and diagonal tires will reduce the braking ability, driving force (ground adhesion) and steering accuracy of the vehicle. Using tires of different sizes or structures will cause the anti-lock braking system (ABS) to fail to work properly.

The anti-lock braking system (ABS) works by comparing the speed of the wheels. Therefore, when replacing the tire, you must use a tire with the same size as the original tire of the vehicle. Inconsistent tire size and structure will affect the wheel speed and may lead to uncoordinated system actions. Replacing only one tire will seriously affect the maneuverability of the vehicle. If the tire needs to be replaced, it is recommended to replace the two front or rear tires in pairs, and if necessary, the four tires can be replaced at the same time.

If you need to replace the wheel, make sure that the specifications of the new wheel are consistent with the specifications of the original wheel. Please contact the Forthing Special Service Station before replacing the wheel.

Winter tire

Due to the limited applicability of summer tires in winter, it is recommended to use winter tires on ice and snow-covered roads. Install the winter tires on all four wheels at the same time to ensure safe driving. Only tires of the same brand and shape can be used. When purchasing, attention should be paid to the size, load capacity and speed rating of the tire. Install the winter tire in accordance with the markings on the registration card.

If you choose winter tire with a lower rated speed, do not exceed the rated speed of the tire during driving.

Tire chain

The tire chain can only be used in emergency situations or driving through specific areas that are clearly defined by law.

The snow tire chain shall be installed on at least two driving wheels at the same time. It is forbidden to install the tire chain on only one wheel of the front or rear wheels. Do not install the tire chain on the left or right side of the two wheels. Please follow the instructions of the tire chain manufacturer for specific installation precautions. The suggestions provided in this manual are for reference only. The actual installation shall be subject to the communication results between the vehicle owner and the tire chain manufacturer.

The tire chain matching the vehicle tires shall be selected. After the tire chain is installed, the handling performance of the vehicle is poor. The vehicle shall be driven at low speed to avoid full load. Please read the component assembly drawing and other instructions of the tire chain manufacturer carefully.

Direct TPMS

The TPMS is used to dynamically monitor the pressure and temperature of the tire. When the tire pressure is abnormal, the combination instrument will display corresponding alarm information. For details, see the "Warning Lamp" in the "Combination Instrument" chapter.

When the vehicle is started, the system will perform a functional test. At this time, TPMS malfunction warning lamp will light up briefly, which is normal.

Some models are equipped with explosion-proof tires. Please pay attention to any abnormal air pressure loss in time. When the TPMS alarms, the vehicle must be checked to ensure that the vehicle continues to operate normally. In some extreme cases such as zero air pressure (where ordinary tires are not applicable), avoid sharp braking and turning steering wheel, and it is required to drive at a speed less than 60 km/h for no more than 80 km, and go to the nearest service station for tire repair as soon as possible.

Caution

- If you drive on dirt roads, gravel roads, mountain roads or ice and snow-covered roads for a long time or in sport mode, the TPMS alarm time may be prolonged.
- It is not necessary to re-match the tire pressure sensor due to the installation and removal of the tire. However, if the tire position is changed and the position of the tire pressure sensor is changed, the tire pressure matching needs to be performed again. Please contact the Forthing Special Service Station.
- The tire pressure information displayed under static conditions is the information when the vehicle was last operated. Therefore, after the tire is deflated or inflated, if the tire pressure data needs to be updated, the vehicle needs to be driven at a speed of more than 30 km/h for 1 minute, and the tire pressure information interface will update the data.

Warning

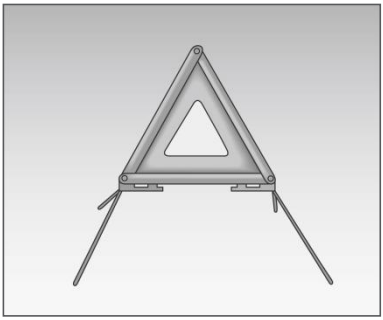
- Different tire pressures or a too low tire pressure of each tire of the vehicle may lead to tire failure, tire burst, vehicle out of control, etc., causing serious casualties. Therefore, be sure to inflate all tires to the air pressure value specified on the tire pressure label before driving to ensure the effectiveness of the TPMS.
- Under special circumstances, such as sporty driving, snowy or soft roads in winter, tire underpressure may cause delayed recognition or false alarm.

Hazard warning device

Hazard warning lamp

Press the hazard warning lamp switch above the A/C control panel, the turn signal lamp and the turn signal indicator lamp and hazard warning lamp indicator lamp on the combination instrument will flash to remind pedestrians and passing vehicles to avoid the vehicle.

Warning triangle



The warning triangle is placed in the snap-fit foam under the trunk lid.

When an accident occurs during driving, try to stop on the right side of the road, take out the warning triangle, put the reflector with its back facing the vehicle and at a location 100 to 200 meters behind the vehicle to remind the following vehicles, and turn on the hazard warning lamp at the same time.

Emergency rescue*

In case of a collision accident (airbag deployment), the system will automatically trigger an emergency call to Dongfeng customer service, who will provide you with emergency services as soon as possible.

Functional limitations

Affected by many factors, the following conditions (including but not limited to) may lead to functional failure:

1. The emergency rescue system (including IoV system, microphone, speaker, etc.) is damaged or faulty.

2. Minor collision occurs or airbag is not deployed.

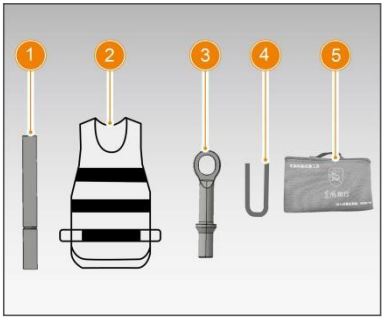
3. In an environment where the signal strength is weak, the signal is disturbed or shielded.

4. If the satellite positioning signal is weak or the equipment is damaged, the specific location of the vehicle may not be located.

5. Emergency rescue services may not be available due to force majeure factors such as natural disasters or public communication failures.

6. Other objective factors cause the emergency rescue call to be unavailable.

Driver's tools and reflective vest



1. Warning triangle

2. Reflective vest

3. Towing hook

4. Wheel nut cover clip

5. Tire repair emergency kit

Warning triangle, towing hook, wheel nut cover clip and tire repair emergency kit are placed in the snap-fit foam under the trunk lid; The reflective vest is placed in the glove box.

Traffic accident handling guidelines

When the vehicle has a traffic accident, please follow the steps below:

1. Stop the vehicle in a safe place (if the vehicle can still be driven normally after the accident) and turn on the hazard warning lamp. If the vehicle needs to be towed, please contact the Forthing Special Service Station.

2. Take out the reflective vest from the glove box and put it on.

3. Take out the warning triangle from under trunk lid.

4. Place the warning triangle 100 to 200 meters behind the vehicle.

> ⚠ Warning
>
> In case of an emergency traffic accident, personal injury or major fire, please contact the rescue personnel as soon as possible.

Tire repair

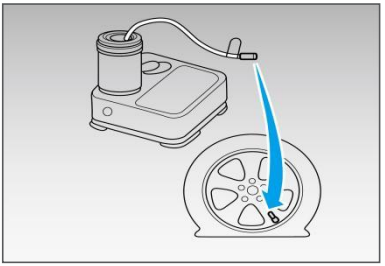
Your vehicle is equipped with emergency tools for car tire repair. Minor damage to the tire tread can be repaired using emergency tools for car tire repair. The tire repair emergency kit is located in the snap-fit foam under the trunk lid.

Instructions for using emergency tools for car tire repair

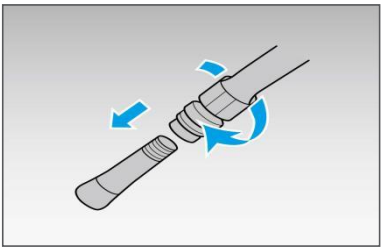
1. If the tire is punctured, please park the vehicle on a solid and flat road away from the traffic flow. After stopping the vehicle, press the P button to turn on the hazard warning lamp, and place the warning triangle at an appropriate distance.

2. Take out the emergency tools for car tire repair kit from under the trunk lid, and take out the inflator pump and tire sealant bottle.

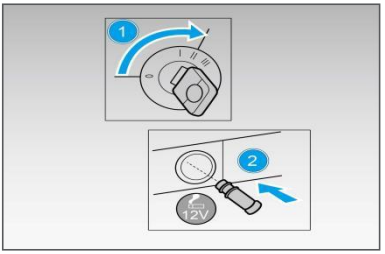
3. Pull out the inflator pump hose and power supply cord, connect the inflator pump hose to the air inlet of the tire sealant bottle, and then tighten it. Insert the tire sealant bottle into the fixing slot on the inflator pump and keep it upright.



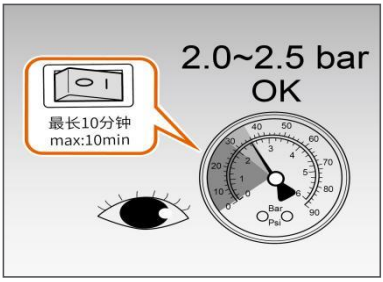
4. Unscrew the valve protective cap of the faulty tire, connect the hose of the tire sealant with the tire valve, and tighten it.



5. Start the vehicle, insert the power supply connector of the inflator pump into the 12 V power supply, and turn on the inflator pump switch.

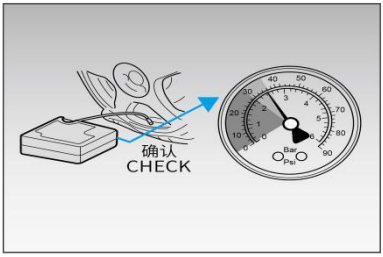


6. When the tire pressure rises to 2.0~2.5 bar, turn off the inflator pump switch, unscrew the inflator pump hose and put away the inflator pump. If the tire pressure does not reach 2.0 ~ 2.5 bar after more than 10 minutes of inflation, please stop repairing immediately and refer to item 7.2.2.



7. After the tire repair, unscrew the tire sealant hose, disconnect the power supply connector, and put the emergency tools for car tire repair into the trunk. Drive within 1 minute. After driving for the first 5 km, please check the tire pressure with the inflator pump.

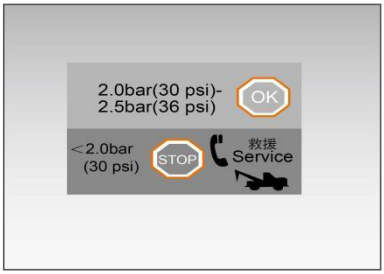
7.1 If the tire pressure is still within the range of 2.0~2.5 bar, you can continue to drive for about 100 km to the nearest Forthing Special Service Station for help, and the vehicle speed shall not exceed 80 km/h.



7.2 When the tire pressure is lower than 2.0 bar, please inflate it again with an inflator pump to the range of 2.0~2.5 bar. After driving for 5 km, check the tire pressure with the inflator pump again.

7.2.1 If the tire pressure is still within the range of 2.0~2.5 bar, you can continue to drive for about 100 km to the nearest Forthing Special Service Station for help, and the vehicle speed shall not exceed 80 km/h.

7.2.2 When the tire pressure is lower than 2.0 bar, please park the vehicle away from the traffic flow. Turn on the hazard warning lamp, place the warning triangle in a suitable position, and contact the Forthing Special Service Station.



Warning

- The emergency tools for car tire repair are only limited to emergency repair of tires, which are suitable for short-term use to ensure that the vehicle is driven to the nearest Forthing Special Service Station in case of emergency. Be sure to read the operating instructions of the emergency tools for car tire repair carefully before operation, and replace the tire with a new one as soon as possible.
- Park the vehicle as far away from the traffic flow as possible. If necessary, turn on the hazard warning indicator lamp and place a warning triangle.
- The tire damage and wheel damage caused by driving at too low tire pressure will significantly reduce the driving safety of the vehicle. Do not continue driving and contact the Forthing Special Service Station immediately.
- If the air leakage point of the tire is large or the damaged position is close to the tire wall of the rim, the emergency tools for car tire repair cannot be used for repair. Please contact the Forthing Special Service Station immediately.
- Do not pull out objects (screws or nails, etc.) that cause tire damage during operation.
- During inflation, the temperature of the inflator pump and its hose will rise, which is normal.
- The tire sealant is valid for five years. Please confirm the production date before use (the production date is printed on the tire sealant tank).
- The tire sealant shall not come into contact with skin or eyes, and shall be stored away from children.

Warning

- The external temperature range for normal operation of the tire sealant is -30°C~70°C.
- The tire sealant is a disposable item. After completing the emergency tire repair of the vehicle or after the tire sealant expires, please go to the Forthing Special Service Station to buy a new tire sealant as soon as possible to ensure that the vehicle is always equipped with tire sealant. After successfully repairing with the emergency tools for car tire repair, please go to the Forthing Special Service Station for help as soon as possible.
- After repairing the tire with tire sealant, the vehicle speed shall not exceed 80 km/h during driving, and abrupt acceleration, emergency braking and fast turning shall be avoided.

Replace the light bulb

Replacing bulbs usually requires the removal of certain vehicle components, so professional skills are required to carry out the relevant operations, otherwise the lampshade may be damaged. If replacement is required, please contact the Forthing Special Service Station.

Bulb specifications

Description	Configuration
Low beam	LED
High beam	LED
Front position lamp	LED
Front turn signal lamp	LED
Daytime running lamp	LED
Rear position lamp	LED
Rear turn signal lamp	WY16W
Brake lamp	LED
High-mounted brake lamp	LED
Reversing lamp	LED
Rear fog lamp	P21W
License plate lamp	LED
Trunk lamp	LED
Front interior lamp	LED
Rear interior lamp	LED

Headlamp calibration

When a new vehicle leaves the factory, the headlamp has been calibrated. If you often use the trunk to carry heavy objects, the headlamp may need to be recalibrated. If you need to calibrate the headlamp, please contact the Forthing Special Service Station.

FAQ

Why does the glass surface of the headlamp sometimes appear "fogging"?

Generally, the fog observed in the headlamp is condensed due to the evaporation of moisture in the lamp body material when the temperature is low. This is a normal physical phenomenon, and the fog will eventually dissipate after each formation.

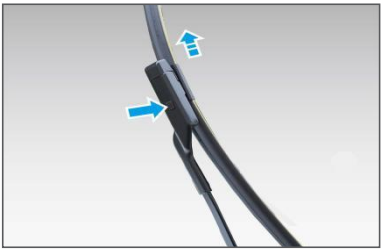
The fog can be eliminated as follows: during driving, after the low beam is lit for a period of time, the fog in the effective area in front of the headlamp can be dissipated.

Caution

- When the headlamp is turned on, the surface temperature of the headlamp is very high. Do not directly contact the surface of the lamp to avoid scalding;
- To avoid damage to the lamps, do not use aggressive abrasives or chemical solvents to clean the lamps, and do not wipe or clean the lampshade with sharp objects when the lampshade is dry.

Replace the wiper blade

Front wiper blade replacement



1. Pull up the wiper arm and press the wiper blade release button.

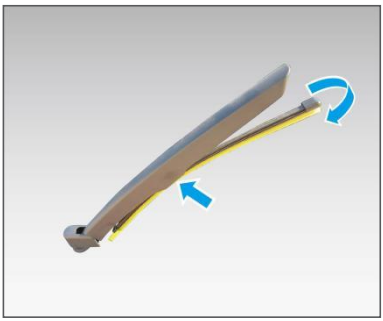
2. Pull out the wiper blade along the opening direction of the wiper rod and remove the wiper blade.

3. Replace the wiper blade with new one and operate in the reverse order to ensure that the wiper blade is installed in place correctly.

Warning

For some models, please turn off the automatic wiper function when checking and cleaning the rain sensor area or replacing and repairing the wiper to avoid injury to human body.

Rear wiper blade replacement



Check the rear wiper blade for wear or breakage.

To replace the rear wiper blade, follow these steps:

1. Pull the rear wiper blade away from the rear windshield.

2. Pull out the rear wiper blade from the rear wiper arm.

3. Insert the new rear wiper blade and push it into place.

4. Fold the rear wiper arm back onto the rear windshield.

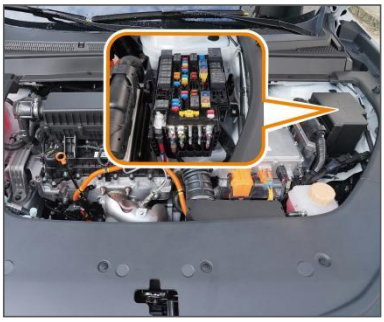
Caution

- Do not open the engine hood when the front wiper arm is pulled up, otherwise the engine hood and wiper arm will be damaged.
- Ensure that the wiper blade is installed in place correctly.

Replace the fuse

Fuse box location

Engine compartment fuse box

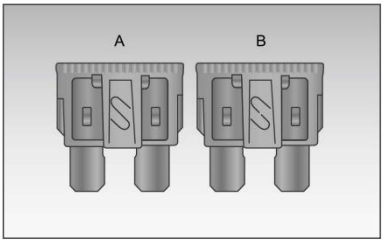


The engine compartment fuse box is located on the left front side of the engine compartment. Undo the buckles on the left and right sides of the fuse box, and open the box cover to check the fuse.

Interior fuse box

The interior fuse box is located in the lower left corner of the dashboard. Remove the cover to check the fuse.

Check the fuse

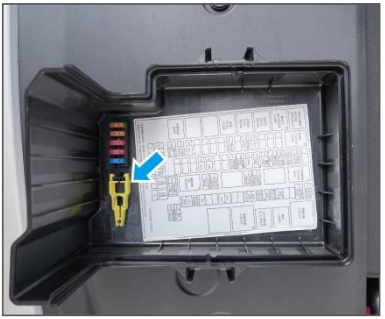


A: Normal

B: Fuse blown

The fuse protects the vehicle electrical equipment by preventing the overload of electrical appliances in the circuit. A blown fuse indicates that the circuit it protects is faulty and has stopped working. If you suspect that there is something wrong with the fuse, you can use a fuse puller to take it out and check whether it is blown.

Replacement of the fuse

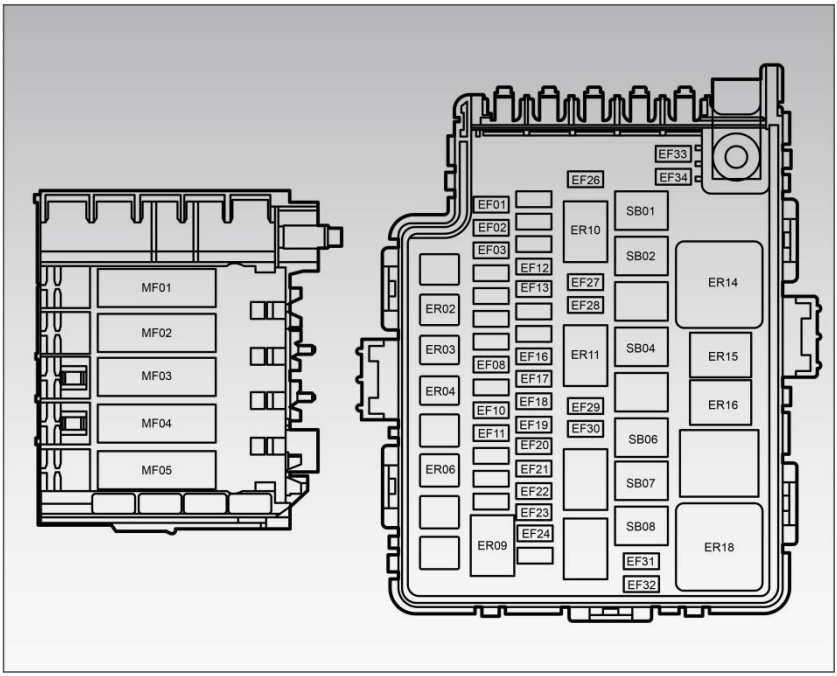


There is a fuse puller in the fuse box of the engine compartment. Pull the fuse straight out of the fuse box with a puller. If the fuse is not blown, there must be other reasons for the fault. Please contact the Forthing Special Service Station as soon as possible.

Find the blown wire in the fuse. If the fuse is blown, replace it with a spare fuse with the same or lower amperage. If you use a spare fuse with a lower amperage value and it is blown again, replace it with a fuse with the same rated value.

If the alternative fuse with the same rated value is blown within a short time, it indicates that there may be a serious electrical fault in the vehicle. Please contact the Forthing Special Service Station as soon as possible.

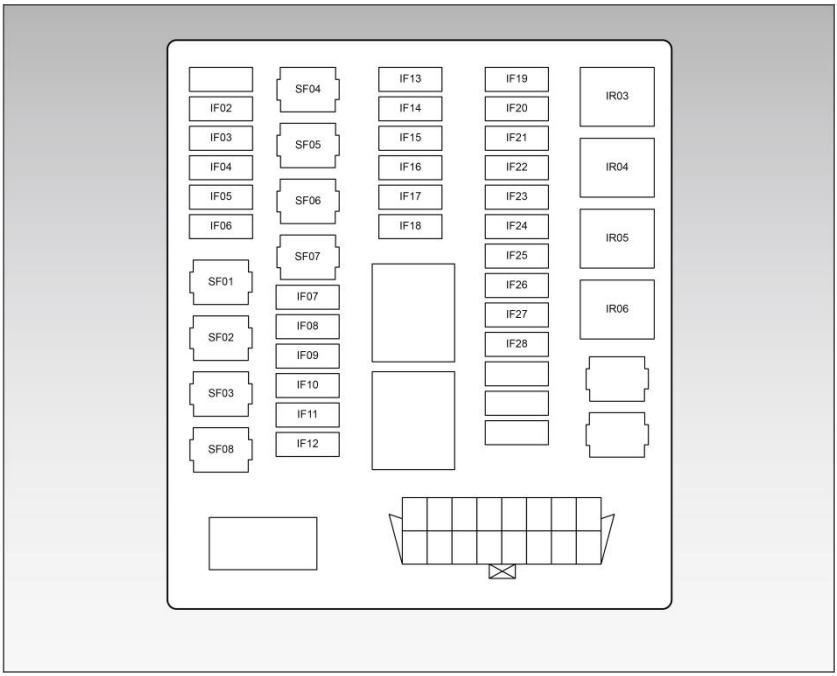
Arrangement of engine compartment fuse box



No.	Description	Rated current (A)	Description
EF01	Electronic fuel injector fuse	10A	-
EF02	Ignition coil fuse	15A	-
EF03	ECU fuse	15A	-
EF08	Fuel pump fuse	15A	-
EF10	Vehicle controller fuse	5A	-
EF11	PDU fuse	5A	-
EF12	ECU fuse	15A	-
EF13	OBC fuse	10A	-
EF16	Relay coil fuse	10A	-
EF17	Wiper intermittent gear fuse	20A	-
EF18	BMS fuse	15A	-

No.	Description	Rated current (A)	Description
EF19	Daytime running light fuse	5A	-
EF20	Horn fuse	15A	-
EF21	Reversing lamp fuse	10A	-
EF22	M/C relay fuse	20A	-
EF23	Fuse of PTC water pump	15A	-
EF24	Compressor fuse	10A	-
EF26	Marine fuse	30A	-
EF27	Left low beam lamp fuse	7.5A	-
EF28	Right low beam lamp fuse	7.5A	-
EF29	Left high beam fuse	7.5A	-
EF30	Right high beam fuse	7.5A	-
EF31	Fuse of drive motor water pump	15A	-
EF32	BMS water pump fuse	15A	-
EF33	Audio unit fuse	25A	-
EF34	Bluetooth fuse	10A	-
SB01	EHB MTR BAT + fuse	60A	-
SB02	Front blower fuse	40A	-
SB04	VLC fuse*	40A	-
SB06	EHB SOL BAT + fuse	60A	-
SB07	High-speed fan fuse*	40A	-
SB08	Low-speed fan fuse	40A	-
MF01	Fuse of instrument fuse box	50A	-
MF02	Fuse of instrument fuse box	50A	-
MF03	Electronic fan controller fuse	80A	-
MF04	Electric power assist fuse	60A	-
MF05	Battery positive fuse	125A	-

Arrangement of interior fuse box



No.	Description	Rated current (A)	Description
IF02	ESCL fuse	10A	-
IF03	Wireless charging fuse*	10A	-
IF04	Diagnostic fuse	10A	-
IF05	Exterior light fuse	20A	-
IF06	Fuse of combination instrument	10A	-
IF07	Interior dome lamp fuse	10A	-
IF08	Sunroof fuse	20A	-
IF09	Seat heating fuse*	20A	-
IF10	Audio unit fuse	15A	-
IF11	A/C controller fuse	10A	-
IF12	Front washer fuse	10A	-

No.	Description	Rated current (A)	Description
IF13	Airbag fuse	10A	-
IF14	A/C controller fuse	7.5A	-
IF15	Fuse of combination instrument	7.5A	-
IF16	Engine compartment IGN1 fuse	15A	-
IF17	Ceiling IGN2 fuse	7.5A	-
IF18	Instrument IGN2 fuse	7.5A	-
IF19	Backlight fuse	5A	-
IF20	Fuse of right front and left rear position lamps	5A	-
IF21	Fuse of left front and right rear position lamps	5A	-
IF22	VSP fuse*	5A	-
IF23	12V power supply fuse	15A/25A	-
IF24	UEF power supply fuse	10A/25A	-
IF25	Instrument ACC fuse	7.5A	-
IF26	Blower feedback fuse	5A	-
IF27	Surround view fuse	5A	-
IF28	A/C controller fuse	7.5A	-
SF01	Ignition switch fuse	30A/60A	-
SF02	Door lock fuse	20A	-
SF03	Left door control module fuse	30A	-
SF04	Right door control module fuse	30A	-
SF05	Electric seat fuse	25A	-
SF06	Rear defrosting fuse	25A	-
SF07	B + power supply fuse*	30A	-
SF08	Front and rear wiper fuses	20A	-

Vehicle traction

Front towing point

Rear towing point

If the vehicle needs to be towed, contact a professional vehicle towing service department or organization. Do not tow the vehicle only with ropes or chains.

Towing method

Flat plate unit

The vehicle can be loaded on a truck, which is the best way to transport the vehicle. When towing the vehicle in this way, both the front and rear wheels shall be firmly fixed on the trailer and the position shall be set in P position.

Wheel-lifting device

The towing vehicle inserts two support arms into the bottom of the front wheel of the vehicle, lifts the front vehicle wheel off the ground, and places the rear wheel on the small trailer (off the ground), which is a feasible method for towing the vehicle.

Precautions for towing

When wheel-lifting traction is adopted, the traction mileage should preferably not exceed 50 km, and the speed should be kept below 30 km/h. The vehicle must be in the following state:

1. Start the vehicle.

2. Shift lever is switched to N position.

If any of the above conditions cannot be met, only flat plate transportation can be used or contact with the Forthing Special Service Station.

Caution

- Do not lift or tow the vehicle directly with the bumper, otherwise serious damage will be caused. When installing the towing cable, pay special attention to prevent the cable from damaging the body.
- Your vehicle is not designed to tow other vehicles. Such attempts will void your warranty rights.

Warning

The above steps shall be strictly followed. Incorrect towing will damage the vehicle.

Car washing/towing mode

Entry

Click [Vehicle Control] - [Driving Experience]-Turn on [Car Washing/Towing Mode] in the navigation bar at the bottom of infotainment system, a secondary confirmation window will pop up. You can release brake pedal only after clicking [OK].

Caution

- Click [OK] to enter the car washing/towing mode. During the whole process, the brake pedal shall be pressed all the time. The brake pedal can be released only after it is confirmed to enter the towing mode.
- When the vehicle is pulled through the conveyor belt automatic car washer, the car washing/towing mode must be used and the operation shall be carried out in strict accordance with the requirements of the conveyor belt automatic car washer.
- Car washing/towing mode will also be used for towing and replacing power battery.

Exit

Click [Vehicle Control] - [Driving Experience] - Turn off [Car Washing/Towing Mode] in the navigation bar at the bottom of infotainment system to exit car washing/towing mode.

Jump start

If the vehicle cannot be started due to insufficient 12V low-voltage battery power, the jump cable can be used to start the vehicle with the help of the 12V low-voltage battery on other vehicles. Jumper connection is dangerous and should be handled with caution.

Operation steps

1. Open the trunk and lift the lid.

2. Connect the positive clamp of the jumper cable to the positive (+) terminal of the 12V low-voltage battery of the vehicle.

3. Connect the clip at the other end of the positive cable to the positive (+) terminal of the rescue vehicle battery.

4. Connect the negative cable clamp to the negative (-) terminal of the rescue vehicle battery.

5. Connect the other end of the negative cable to the negative (-) terminal of the 12V low-voltage battery of the vehicle.

6. Start the rescue vehicle and keep it running for about 5 minutes to charge the 12V low-voltage battery of the vehicle.

7. After the vehicle is started, please remove the jumper cable in the reverse order of connection, and contact the Forthing Special Service Station to repair the vehicle as soon as possible.

Warning

- When clamping the jumper cable, do not clamp the wrong positive and negative terminals, otherwise the electrical equipment will be damaged.
- When jump start, it must be operated correctly according to the above instructions. Otherwise, it may cause fire, explosion or damage to the vehicle.
- A certain distance shall be kept between the ends of the two jumper cables to prevent contact. At the same time, it is also necessary to prevent contact with any metal parts on the vehicle. Otherwise, the electrical equipment may be damaged.

Extender overheating

After the vehicle has been driven for a period of time, if the high coolant temperature warning lamp lights up or steam comes out under the engine hood, stop the vehicle immediately in a safe place and power-off.

Countermeasures

1. Drive the vehicle safely to the side of the road and press the P button after the vehicle stops. Turn off all electrical switches and turn on the hazard warning lamp.

2. When the extender is running stably, open the engine hood to ventilate the engine compartment, and confirm whether the radiator fan rotates. If the fan does not work, power-off immediately and contact the Forthing Special Service Station as soon as possible.

3. The vehicle can be powered on again after the coolant temperature drops to the normal temperature.

4. Check the coolant level in the reservoir. If the level drops, check the radiator hose for leakage, add coolant to the upper limit (MAX) mark, and then install and tighten the reservoir cap.

Warning

- Do not open the engine hood if steam is leaking. Otherwise, the emitted steam and spray will cause serious scalds. Be sure to wait until the extender and radiator are cooled before opening the engine hood.
- Be sure to wait until the extender is completely cooled before opening the reservoir cover to avoid scalding caused by hot steam or boiling water from the filler.
- When adding coolant, start the vehicle and add coolant slowly. Otherwise, adding coolant immediately when the extender temperature is high may cause the cylinder head or cylinder block to crack.
- In case of extender overheating, it is recommended to contact the Forthing Special Service Station as soon as possible.

Instructions for use of power battery

HV cable

The vehicle is equipped with orange cables connecting the power to other high-voltage components.

Danger

- Do not touch or contact the orange cable and power battery electrode, otherwise it may cause electric shock and cause casualties.
- Do not disassemble the power battery without permission. The unit or individual will bear the corresponding responsibility for the environmental pollution or safety accidents caused by this.
- Do not attempt to disassemble or assemble the HV system components or disconnect one of the cables. Ensure that the HV system is only maintained or repaired by the Forthing Special Service Station.

Power battery overheating

If the power system malfunction warning lamp on the combination instrument is on and there is a relevant text reminder, immediately follow the steps below for inspection:

1. Park the vehicle safely on the side of the road, press the P button, turn off all electrical switches, and turn on the hazard warning lamp.

2. If the power battery is overheated due to overload, the power battery will continue to be cooled in the power-on state (without locking the vehicle) after the vehicle is stopped. At this time, wait until the power system malfunction warning lamp goes out before continuing driving.

3. If the vehicle is stationary and remains powered on (without locking) for more than half an hour but still indicates overheating of the power system, check whether there is obvious coolant leakage, such as the fracture of the expansion tank hose. At this time, all parts are in a burning state, please be careful. If any leakage is found, please contact the Forthing Special Service Station as soon as possible.

4. If no obvious leakage is found, check coolant level in the reservoir. If level is below the lower limit (MIN) mark or there is no coolant, you should contact Forthing Special Service Station to add

coolant, so that the coolant level is kept between the upper and lower limit scale lines.

5. Check whether the A/C system works normally. If not, please contact the Forthing Special Service Station as soon as possible.

Warning

Do not open the coolant reservoir cap when the power battery is overheating. Otherwise, the coolant may spray out and cause serious scalding. Be sure to wait until the power battery cools down before operating.

In case of a vehicle collision

1. Pay attention to the risk of electric shock

If the HV system of the vehicle is damaged by a severe collision, electric shock may occur due to exposure of high-voltage components or cables. If this happens, do not touch any HV system or its orange cables.

2. Avoid contact with power battery electrolyte

The power battery electrolyte is corrosive and may leak due to severe collision. Avoid skin or eye contact with electrolyte. If contact occurs accidentally, rinse the corresponding skin area or eyes with plenty of water for at least 5 minutes and seek medical attention immediately.

Danger

Do not touch the power battery package box surface, bottom, water pipe, etc. when there is liquid!

3. Use fire extinguishers for electrical fires

Picture	Description	Requirement
	Fire extinguisher	Type ABC

4. In case of fire, use a large amount of water to extinguish the fire, and do not try to extinguish an electrical fire with a small amount of water (such as the water pipe used in a garden).

5. If the vehicle is damaged in an accident, please go to the Forthing Special Service Station immediately for repair.

Emergency cut-off system for HV system

If the vehicle is in collision, the emergency shut-off system may be activated depending on the severity of the collision. When the system is activated, the HV system is automatically cut off, and the vehicle can no longer run on its own power. If the HV system needs to be restored to normal operation, please consult the Forthing Special Service Station.

When the vehicle is scrapped

Please consult the Forthing Special Service Station when scrapping the vehicle.

Recommendations for vehicle use

1. If the vehicle is parked for a long time, the power battery SOC will gradually decrease due to discharge. Staying in a state of low SOC for a long time will shorten the life of the power battery. In order to maintain the power battery SOC, please drive the vehicle for at least 30 minutes every month. If the power battery SOC is completely exhausted and the hybrid power system cannot be started, please contact the Forthing Special Service Station. Power battery failure and damage caused by this situation may affect your right to enjoy the power battery warranty.

2. Regular charging shall be carried out to keep the power battery in the best working condition. In order to prolong the service life of the power battery, it is recommended to perform a full charge (100% power) once a week, and a full charge (≤ 20% power) every 2~3 months.

3. Avoid parking the vehicle at high temperature (>45°C) or extremely low temperature (-15°C and below) for a long time, so as not to affect the normal use of the vehicle.

4. When the power battery temperature is high (>55°C), the vehicle cannot be used. Please park the vehicle in a safe place and use it after the power battery temperature drops.

5. Do not allow the power battery to discharge excessively. If the power gauge on the combination instrument turns yellow, it indicates that the power battery SOC is insufficient. If the power is close to zero, the power system cannot be started.

6. When using the vehicle, try to avoid repeated abrupt acceleration and abrupt deceleration.

Unique sounds and vibrations of hybrid vehicles

Hybrid vehicles have both the quietness of pure electric vehicles and the noise of extenders. The following noise and vibration are normal:

1. When the hybrid power system is started or stopped, the working sound of the power battery may be heard.

2. When the hybrid power system is started or stopped, a rapid or soft jingle may be heard.

Power battery cooling system description

The power battery is equipped with a liquid cooling system. When the vehicle has a collision or other faults, if there is liquid at the bottom of the power battery or the water pipe connected to the power battery, contact the Forthing Special Service Station for repair.

Power battery recycling

According to the relevant regulations of the Interim Measures for the Recycling and Utilization of New Energy Vehicle Power Batteries issued by China, when the power battery of a new energy vehicle needs to be repaired or replaced, the owner of the new energy vehicle shall send the new energy vehicle to an after-sales service organization with corresponding capabilities for power battery repair and replacement. When the new energy vehicle meets the scrapping requirements, it shall be sent to the scrapped vehicle recycling and dismantling enterprise to dismantle the power battery. The owner of the new energy vehicle shall hand over the scrapped power battery to the recycling service outlet. If you hand over the used power battery to other units or individuals, or remove or dismantle power battery privately, and cause environmental pollution or safety accidents, you shall bear the corresponding responsibilities. For specific recycling details, please refer to the official website of Forthing: https://www.forthingmotor.com/.

Long-term parked vehicles

If the vehicle needs to be parked for a long time, the following measures shall be taken. Appropriate measures can prevent the deterioration of the vehicle condition and make it easy to restart the vehicle. If possible, please park the vehicle in a dry room, and avoid parking in a humid environment for a long time, such as a parking place with accumulated water.

1. Be sure to charge the power battery to 100% first, and then discharge it to between 30% and 50%. If the storage time exceeds three months, the power battery must be charged, otherwise it may cause excessive discharge of the power battery and reduce the performance of the power battery. The power battery failure and damage caused by this situation may affect your right to enjoy the power battery warranty.

2. Add fuel, replace the extender oil and filter.

3. Disconnect the 12V low-voltage battery wiring and insulate the cable connector with insulating tape.

4. Block the rear wheel with obstacles to prevent backward sliding.

5. Clean the inside of the vehicle to ensure that the carpet, tatami, etc. are completely dry.

6. Pad the wiper blade with a towel or cloth to prevent it from contacting the front windshield.

7. To reduce sticking, spray silicone lubricant on all door and trunk seals, and apply body wax to the paint surface where the door and tailgate sealing strips contact.

8. Cover the body with a breathable cover made of "porous material" such as cotton cloth. Non-porous materials such as plastic cloth will accumulate moisture and damage the body surface paint.

9. If possible, start the vehicle regularly for a moment to run the cooling fan twice.

Caution

If the vehicle is parked for one year or longer, the vehicle may not be started or the maneuverability may deteriorate. In this case, contact the Forthing Special Service Station as soon as possible.

Vehicle information

Vehicle identification information

There are several vehicle identification numbers (VINs) on your vehicle, which are located in different locations.

1. It is engraved on the cross member under the front passenger seat and can be seen by lifting the carpet notch.

2. It is pasted on the dashboard body assembly.

3. It is pasted on the inside of the glove box.

5. It is pasted on the right B-pillar inner panel.

4. It is pasted on the right front wall A-pillar inner panel.

7. It is pasted on the inner panel of the engine hood.

7. It is pasted on the inner panel of the tailgate.

8. It is pasted on the drive motor assembly.

You can also use the OBD II scan tool to read the vehicle VIN information through the OBD diagnostic port.

Caution

The above VIN reading tools are not provided to the vehicle. If you need to purchase them, please contact the Forthing Special Service Station.

Vehicle factory nameplate

The vehicle factory nameplate contains the following information:

1. Country of production

2. Manufacturer

3. VIN

4. Vehicle model

5. Engine model

6. Max net power of the engine

7. Manufacturing date

8. Displacement of engine

9. Max allowable gross mass

10. Drive motor model

11. Rated voltage/rated capacity of power battery system

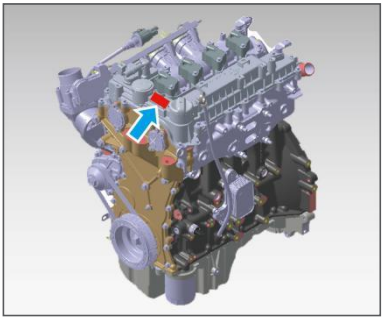
12. Drive motor peak power

13. Number of passengers

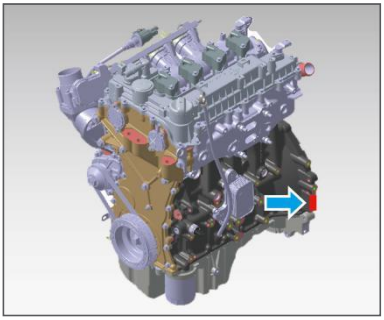
If the vehicle is exported to different countries, the information displayed on the vehicle nameplate may be inconsistent. Please refer to the actual vehicle.

Extender number

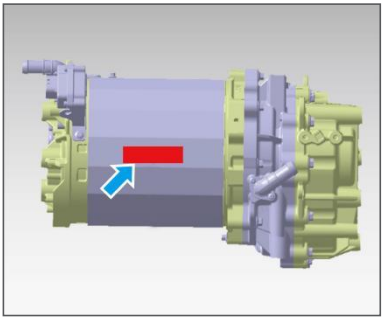
Label position



Engraving position



Drive motor information



The drive motor steel code is located in the middle of the rear of the motor housing.

Safety warning sign

12V low-voltage battery warning sign

The 12V low-voltage battery warning sign is affixed to the surface of the 12V low-voltage battery. The 12V low-voltage battery shall be kept away from heat source and open flame, and the ventilation should be maintained during charging and use to prevent accidents.

Radiator warning sign and A/C refrigerant sign

The radiator warning sign and the A/C refrigerant sign are affixed to the inside of the engine hood. The coolant specified by the Forthing shall be used, and different brands of coolant shall not be mixed. Do not touch the radiator, the cooling fan may start at any time.

Dangers of carbon monoxide poisoning

Carbon monoxide gas is toxic, and inhalation of this gas will seriously threaten human life. If the vehicle is properly maintained, the carbon monoxide in the vehicle exhaust will not enter the vehicle under normal driving conditions.

In case of the following conditions, check the exhaust system for leakage:

1. The vehicle is lifted up due to engine oil change or other reasons.

2. Abnormal exhaust sound is found.

3. The underside of the vehicle body has been damaged in the accident.

When the tailgate is open, the airflow will bring the exhaust gas into the vehicle, causing excessive carbon monoxide. If you need to start the vehicle when the tailgate is open, open all windows and turn on the A/C for ventilation.

Microwave window

The microwave window of the vehicle is located horizontally in the middle and vertically on the top of the front windshield.

The vehicle electronic identification should be installed in the left center of the microwave window. The identification contains the relevant information of the vehicle and cannot be obscured by the inside rearview mirror mounting bracket, sensor bracket, etc.

Caution

- Please keep the front windshield clean and dry.
- Do not paste film or metal materials at the microwave window position to ensure the standard installation of the vehicle electronic identification and the effective reading of the data.
- Do not cover, squeeze or remove the vehicle electronic identification! If the label is damaged, please reapply to the label issuing agency in time.

Dimension parameters

Item	Unit	LZ6460X15B0REEV
Length	mm	4600
Width	mm	1860
Height	mm	1700
Front wheel track	mm	1590
Rear wheel track	mm	1595
Wheel base	mm	2715

Weight parameters

Item	Unit	LZ6460X15B0REEV
Number of passengers	Person	5
Curb mass	kg	1810
Front axle kerb mass	kg	985
Rear axle kerb mass	kg	825
Maximum mass	kg	2185
Maximum mass of front axle	kg	1108
Maximum mass of rear axle	kg	1077

Extender parameters

Item	Unit	LZ6460X15B0REEV
Extender model	-	4F15N
Type	-	In-line four-cylinder
Displacement	L	1.5
Bore × stroke	mm	72×92
Compression ratio	-	14.5
Rated power	kW/rpm	75/6000
Maximum net power	kW/rpm	72/6000
Maximum net torque	N·m/rpm	125/4000
Ignition sequence	-	1-3-4-2
Overall emission level	-	Euro VI

Drive motor parameters

Item	Unit	LZ6460X15B0REEV
Drive motor model	-	TZ180XSE21
Type	-	Permanent magnet synchronous motor
Rated power	kW	55
Peak power	kW	120
Rated rotational speed	rpm	5029
Maximum RPM	rpm	16000
Rated torque	N·m	105
Max torque	N·m	240
Protection class	-	IP67

Power battery parameters

Item		LZ6460X15B0REEV
Model of power battery		TP Li 31.9-307
Type of power battery		Lithium iron phosphate battery
Cell information	Rated voltage (V)	3.2
	Rated capacity (Ah)	104
Power battery information	Voltage (V)	307
	Capacity (Ah)	104
	Power battery pack mass (kg)	266
	Protection class	IP67
	Number of power battery packs	1

Seat parameters

Item		Parameters
Driver seat (six-way electric)	Forward and backward adjustment	Total 240 mm, forward 220 mm, backward 20 mm
	Upward and downward adjustment	Total 60 mm, upward 40 mm, downward 20 mm
	Seat backrest adjustment	Total 90°, forward 60°, backward 30°
Front passenger seat (four-way electric)	Forward and backward adjustment	Total 240 mm, forward 220 mm, backward 20 mm
	Seat backrest adjustment	Total 90°, forward 60°, backward 30°
Front passenger seat (four-way manual)	Forward and backward adjustment	Total 240 mm, forward 220 mm, backward 20 mm
	Seat backrest adjustment	Total 90°, forward 60°, backward 30°

Parameters of chassis main assembly

Item		LZ6460X15B0REEV
Suspension system	Front suspension	McPherson independent suspension
	Rear suspension	Trailing arm non-independent suspension
Steering system	Power-assisted form	Electric power assist
Brake system	Structural type	"X" type double-circuit hydraulic arrangement
	Front brake	Disc brake
	Rear brake	Disc brake
	Brake pedal free stroke	1mm ~ 12mm
	Braking clearance of front and rear brakes	0.1mm ~ 0.4mm

Braking parameters

Item		LZ6460X15B0REEV
Front wheel brake disc	Set value (mm)	25
	Service limit (mm)	23
Front wheel friction plate	Set value (mm)	9.5
	Service limit (mm)	2
Rear wheel brake disc	Set value (mm)	12
	Service limit (mm)	10
Rear wheel friction plate	Set value (mm)	9
	Service limit (mm)	2

Performance parameters

Item	Unit	LZ6460X15B0REEV
Max. speed	km/h	170
Maximum gradeability	%	>30

Vehicle trafficability parameters

Item	Unit	LZ6460X15B0REEV
Approach angle (full load)	°	16
Departure angle (full load)	°	27
Longitudinal passing angle (full load)	°	17
Minimum turning diameter	m	＜11.8
Minimum ground clearance (full load)	mm	165

Fluid specifications and capacity

Item	Specifications	Filling quantity
Gasoline	Please refer to the model marked on the fuel tank cover	43L
Extender oil (4F15N)	SP 5W-30	4L
Extender coolant (4F15N)	OAT-35	10.4L
Reducer lubricating oil	BOT 384	0.8±0.1L
Three-in-one coolant	OAT-35	6L
Power battery coolant	OAT-35	4L
Brake fluid	DOT3 or DOT4	0.7±0.1L
Windshield washing liquid	NFC-60	2.5L
A/C refrigerant	R-134a/1234YF	470±20g

Fuel consumption parameters

Item	Unit	LZ6460X15B0REEV
Fuel consumption	L/100km	5.6 (NEDC)

Four-wheel alignment parameters

Item		LZ6460X15B0REEV
Wheel toe-in	Front wheel	0.08° ±0.04°
	Rear wheel	0.1° ±0.25°
Wheel camber	Front wheel	-0.3° ±0.5°
	Rear wheel	-1.0° ±0.4°
Kingpin caster angle	Front wheel	6.01° ±0.5°
Kingpin inclination angle	Front wheel	13.29° ±0.5°

Rim and tire specifications

Item	LZ6460X15B0REEV
Tire specifications	235/55R19
Rim specifications	19×7J
Tire pressure (no load)	260kPa
Tire pressure (full load)	260kPa
Spare tire specifications	/
Spare tire pressure	/

Emission requirements

Regulation of emission maintenance technical requirements

Extender ECU

The operation of the extender ECU must comply with the following requirements:

1. Connect the ECU and the harness connector, and make sure that the system power supply is disconnected, that is, the vehicle is in power-off state. Do not plug and unplug the ECU in the power-on state of the vehicle, and avoid contacting the ECU pin or the exposed part of the ECU harness with any part of the body in the power-on state.

2. Sparks caused by static electricity may cause damage to the ECU. Try to avoid contact between the ECU and static electricity.

3. Do not subject the ECU to a voltage exceeding 16V.

4. Do not connect the positive and negative poles of ECU voltage in reverse.

5. Do not use the ECU with physical damage. The surface of the ECU housing shall not be scratched or coated with any unapproved material, and paint or other insulating liquids shall not be sprayed on the ECU pins.

6. Do not use any tool or object to knock any part of the ECU.

7. Electromagnetic fields and radio frequency interference sources shall be prevented from approaching the ECU.

8. Ensure that the ECU is effectively fixed and effectively grounded during installation.

9. Avoid burning the ECU when repairing the vehicle with electric welding. If possible, power off the ECU and remove it, and keep it away from electric welding.

10. When the 12V low-voltage battery is bridged with an external power supply, the electrodes shall be in firm contact.

Lambda sensor

When the extender works and the air-fuel ratio becomes larger, the oxygen content in the exhaust will increase. At this time, the output voltage of the lambda sensor is close to 0V. When the air-fuel ratio becomes smaller, the oxygen content in the exhaust will decrease, and the output voltage of the sensor is close to 1V. The extender lambda sensor does not require any adjustment or repair.

The lambda sensor will fail if:

1. The lambda sensor electrical connector is damaged.

2. The zirconium element outside the lambda sensor is broken, fractured and damaged.

3. The zirconium element inside the lambda sensor is broken, fractured and damaged.

4. The heating element circuit of the lambda sensor is open-circuited or short-circuited.

5. The sensing element circuit of the lambda sensor is open-circuited or short-circuited.

6. The lambda sensor thermistor is short-circuited to the housing.

7. The heating element circuit of the lambda sensor is short-circuited to the housing.

Precautions for using lambda sensor:

1. Do not drop the lambda sensor or hit it against a hard surface to avoid damaging the ceramic element or heating element.

2. After installing the lambda sensor, avoid damaging the lambda sensor due to large knocking force applied to the extender.

3. Avoid inaccurate output signals of the sensor caused by carbon deposits, extender oil, lead and other organic matter pollution to the sensor.

Information on key parts for emission control

Information on vehicle type approval certificate, manufacturer, model and valid service life of key parts for emission control, etc.

Model	LZ6460X15B0REEV			
Names of key parts for emission control	Hybrid controller HECU	Lambda sensor	Three-way catalytic converter	Three-way catalytic converter
Models of key parts for emission control	LECGD21	LDS-Y08A (front) LDS-Y01A (rear)	SX5G-1205120	SX5G-1205130
Manufacturer	Wuhan Lincontrol Automotive Electronic Systems Co., Ltd.		Kunming Sino-Platinum Metals Catalyst Co., Ltd.	
Effective service life	Eight years or 160,000 km	Three years or 60,000 km		