FRIDAY 使用手册

FRIDAY User Manual

英语
English
欧标右舵

Dear users,

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

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

Bon voyage!

Dongfeng Liuzhou Motor Co., Ltd.

March 2025

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

Configuration description

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

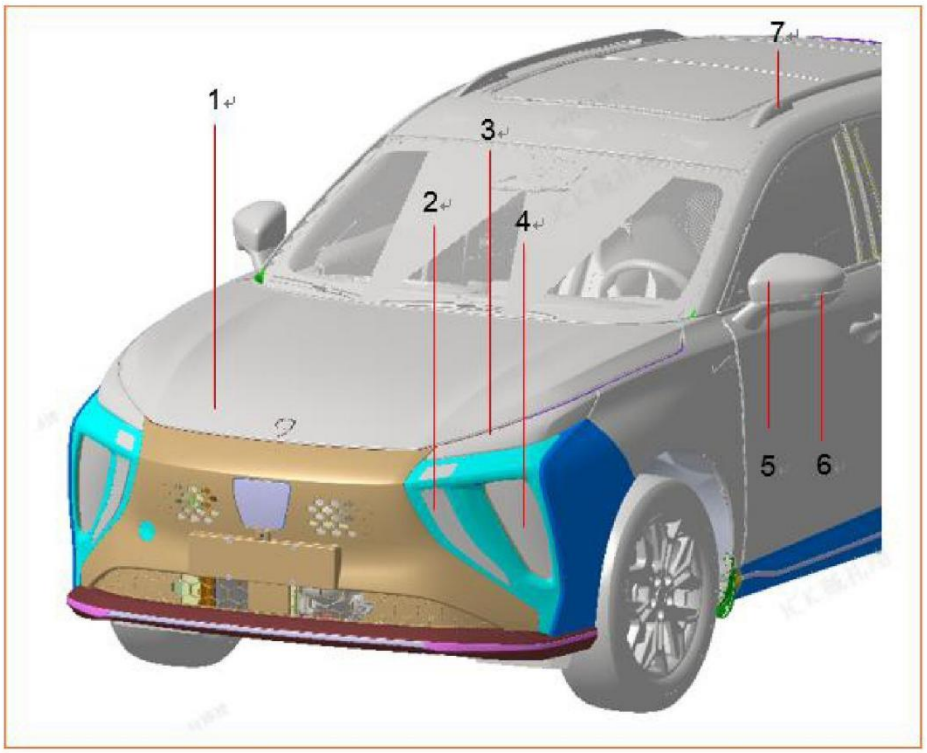
It is used to indicate the danger that may cause minor personal injury or vehicle damage.

Contents

01

Exterior

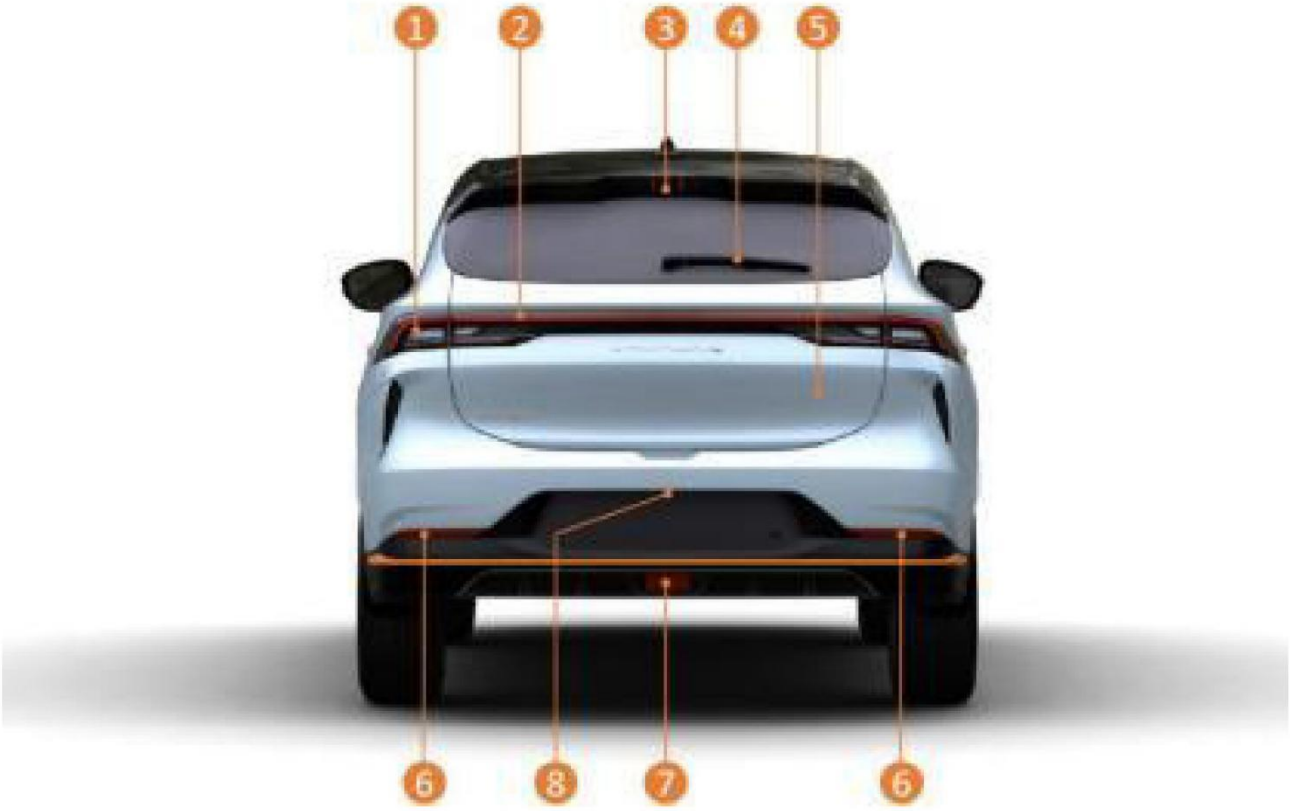
Front of vehicle



1. Engine hood
2. Front bumper decorative lamp/front bumper trim cover
3. Front turn signal lamp/daytime running lamp/position lamp
4. High beam/low beam
5. Outside rearview mirror
6. Side turn signal lamp
7. Luggage rack

Rear of vehicle

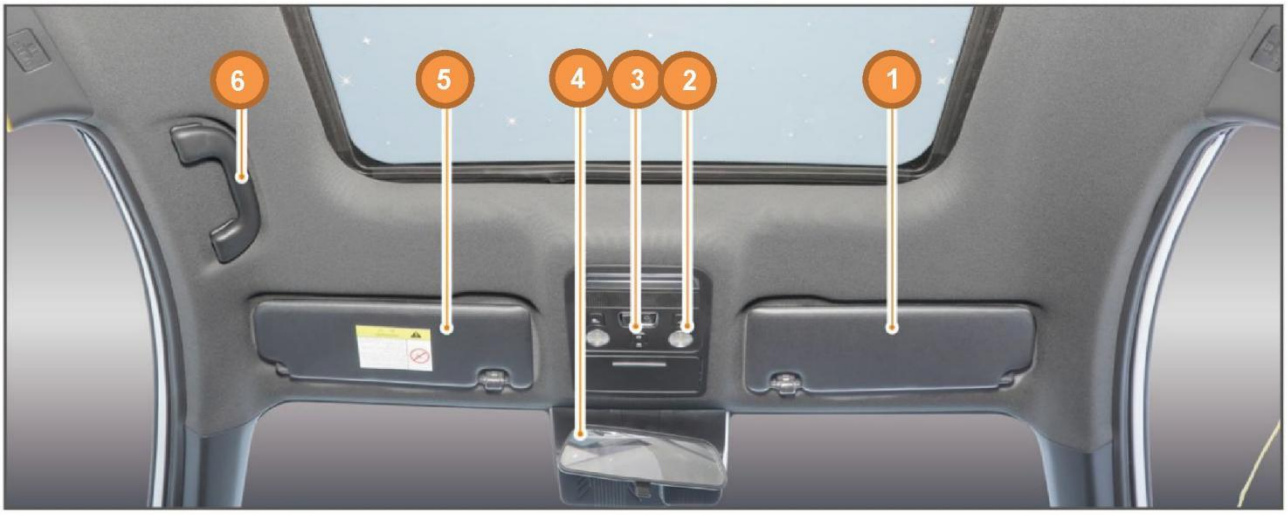
01



1. Turn signal lamp/position lamp/brake lamp
2. Reverse lamp/position lamp/turn signal lamp
3. High-mounted brake lamp
4. Rear wiper
5. Liftgate
6. Retro reflector
7. Rear fog lamp
8. License plate lamp

Interior

Top



1. Left sun visor
2. Front interior lamp
3. Sunroof / sunshade control button
4. Inside rearview mirror
5. Right sun visor
6. Top handle

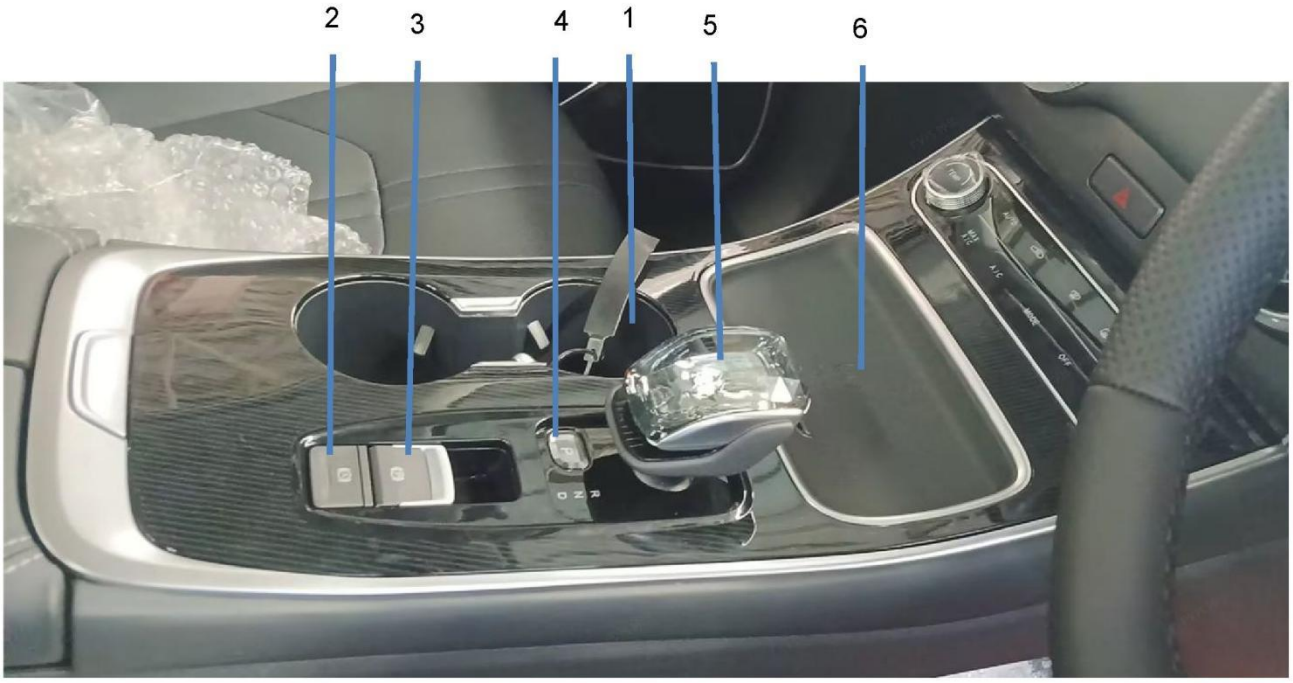
01

Dashboard

1. Driver side window switch
2. Central control button
3. Dashboard switch block
4. Wiper control handle
5. Mobile phone holder interface
6. Steering wheel
7. Instrument cluster
8. Light control handle
9. Display
10. Hazard warning lamp switch
11. A/C control panel
12. Glove box
13. Front passenger's window switch

Note: The mobile phone holder interface is only applicable to the mobile phone holder with 4-point thread connection

Console panel



1. Front passenger cup holder
2. AUTO HOLD switch
3. Electronic parking brake (EPB) switch
4. P position button
5. Shift lever
6. Upper storage compartment of console

02

Traction battery

Long-term Parked Vehicles

If the vehicle needs to be parked for a long time, the following preparations shall be made. Proper preparation helps prevent deterioration of the vehicle condition and makes it easy to restart the vehicle. If possible, park the vehicle indoors.

1. Long-term storage of the vehicle in a traction battery SOC low state will cause irrecoverable damage to the traction battery. Therefore, when the vehicle is not used for a long time, please fully charge the vehicle before storage, and it is recommended to discharge the vehicle to less than 50% SOC at least once every 3 months, and then charge it to 100% SOC.

2. Clean the inside of the vehicle to ensure that the carpet, tatami, etc. are completely dry.

3. Block the rear wheel with obstacles to prevent backward sliding.

4. Disconnect the 12V low-voltage battery wiring and use insulating glue

The cable joints shall be insulated and protected.

5. Pad the wiper with a towel or cloth to prevent it from contacting the front windshield.

6. To reduce sticking, spray silicone lubricant on all door and trunk seals, and apply body wax to the paint surface where the door and trunk sealing strip are in contact.

7. 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.

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.

Traction battery overheating

If the power system fault warning lamp on the instrument cluster is on, check immediately according to the following steps:

1. Park the vehicle safely on the side of the road, engage the P position, pull up the EPB switch, turn off all electrical switches, and turn on the hazard warning lamp.

2. If the traction battery overheats due to overload, the traction battery will start cooling immediately after the vehicle stops. At this time, wait until the power system malfunction warning lamp goes out before continuing driving.

3. Check for obvious coolant leakage. If the expansion tank hose is broken, all components are in a burning state at this time. 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 the level is below the lower limit (MIN) mark or there is no coolant, add coolant in time to keep the coolant level between the upper and lower limit scale lines, and install and tighten the fluid reservoir cover.

5. Check whether the A/C system works normally. If not, please contact the Forthing Special Service Station as soon as possible.

Traction battery recycling

According to relevant regulations, when the traction battery needs maintenance and replacement, the owner of the new energy vehicle shall send the new energy vehicle to the after-sales service organization with corresponding capabilities for traction battery maintenance 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 traction battery. The owner of the new energy vehicle shall hand over the scrapped traction battery to the recycling service outlet. If the scrapped traction battery is handed over to other units or individuals, and the traction battery is dismantled without permission, resulting in environmental pollution or safety accidents, the corresponding responsibilities shall be borne by itself or himself.

Charging precautions

1. After charging, make sure that the charging interface cover is closed. If only the charging port cap is closed but not the charging protective cover, water or foreign matters may enter the charging interface, resulting in charging failure.

2. When charging the traction 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 charging connector into the charging interface. This may damage the charging interface.

4. Before connecting to the on-board charging gun or AC charging pile, make sure that the dedicated charging power supply is used. It is forbidden to use a plug strip or a 10 A to 16 A adapter to connect the on-board charging gun for charging.

5. Traction battery charging temperature range: -20°C~45°C.

6. The traction battery temperature is not equal to the ambient temperature, and the temperature of the traction battery is basically consistent with the ambient temperature when the traction battery is placed in the environment for about 12~18 h.

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

8. During the charging process of the vehicle, if the ambient temperature is low, the traction battery heating system is turned on, and the instrument cluster displays the text [Battery Pack Heating], when the traction battery temperature reaches the specified temperature, the text prompt goes out.

9. During the use of the vehicle, if the ambient temperature is low, the traction battery heating function is turned on. When the traction battery temperature reaches the specified temperature, the traction battery heating function stops. If the vehicle is in the charging state and the traction battery heating function is turned on, the vehicle instrument cluster will display the prompt text [Battery Pack Heating]. After the heating is completed, the prompt will disappear.

10. When the vehicle is slow-charged at low temperature, the traction battery heating system is turned on, and the charging power is too low, the A/C system will not be available.

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

12. If the traction battery temperature is high during charging, the vehicle will start the cooling system to cool the traction battery. During charging in the cooling process, the vehicle will use the external power supply to cool the traction battery preferentially, so the traction 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 traction battery and the external power supply to cool the traction battery at the same time, and the traction battery SOC will decrease first and then increase, which is normal.

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

14. This vehicle is a new energy vehicle, which needs electricity for operation. The traction battery is the only power source for operating the vehicle.

15. The traction battery will be damaged if the traction battery SOC is completely exhausted. Please charge the battery in time when the vehicle prompts that the traction battery SOC is too low. When the charging indicator lamp on the instrument cluster comes on, please stop using the vehicle immediately and charge it in time.

16. The chemical nature of the traction battery determines that its performance will decrease with the increase of the number of cycles. In order to slow down the degradation of the traction battery, please use the slow charging as much as possible, and the vehicle will reduce the maximum fast charging current appropriately according to the performance of the traction battery.

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 cap.
- Do not collide any charging equipment.
- 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 the heater or other heat source.
- Do not use a DC charging pile for charging with other vehicles at the same time.
- Do not drive the vehicle without the traction battery heating system to areas below 0 ℃.
- Do not insert AC charging gun and DC charging gun at the same time for charging.

After charging, do not pull out the charging gun when it is not unlock to prevent the lock mechanism seizure from preventing the charging gun from being pulled out.

Warning

- If you use medical equipment (such as a transplanted cardiac pacemaker or a transplanted defibrillator), before starting charging, you must check with the equipment manufacturer whether it will affect the medical equipment before using it.
- During charging of the traction battery, wrong operation may cause safety accidents such as short circuit, electric shock, fire, etc., and may endanger personal safety in serious cases.
- Do not touch the metal parts of the charging interface, charging connector or power supply plug.
- Do not use extension cables or electrical plug adapters.
- Do not disassemble or change the charging interface, on-board charging gun, on-board discharging 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.
- When the traction battery temperature is low, the charging may not be at full power at the beginning of the charging stage, and the charging power will increase as the traction battery temperature increases.
- When the weather is cold, try to choose a warmer place such as the basement for charging, which can shorten the charging duration.
- 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.

- When the vehicle is charging, if there is a large fluctuation in the power grid, the charging power will fluctuate, and even the charging may be suspended.
- When the traction battery SOC is full, the system will automatically stop charging.
- When using a portable household AC charging gun, pull out the AC charging gun first and then disconnect the power supply plug when stopping charging.
- During charging, the cooling fan may start at any time. Do not allow hands, hair, jewelry or clothes to touch the cooling fan.
- It is forbidden to charge in the open air in case of thunderstorm. Because lightning strikes may cause damage to the charging equipment, and immersion in heavy rain may also cause damage to the traction battery due to short circuit.
- 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, please confirm that there is no water or foreign matter in the charging interface, charging connector 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 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.
- Before starting the vehicle, make sure that the charging connector has been removed from the charging interface.

Introduction to on-board charging and discharging equipment

On-board charging connection equipment

1. On-board charging gun power supply plug
2. On-board charging gun shield
3. On-board charging gun release button
4. Charging gun

Charging gun indicator lamp

The charging gun indicator lamp can reflect the current charging information through different display states.

The status of the indicator lamp is described in the following table:

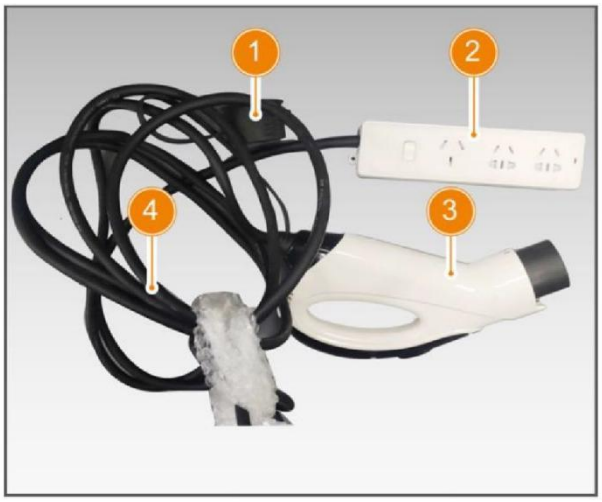
	
Display mode of charging indicator lamp:	
Initial state	(Blue-green-blue-red) light/flash in sequence for 1 s
Waiting for connection	Blue lamp is always on, and green/red lamp is off
Gun insertion is normal	Blue lamp flashes, and green/red lamp is off
Normal charging	Green lamp flashes (breathing), and red/blue lamp is off
Charging finished	Green lamp is always on, and red/blue lamp is off

Fault table:	
Not grounding	Charging is allowed; red lamp is always on
Power-on self-test failure	Charging is prohibited; the red lamp is on for 1 time and off for 3s cyclically
Abnormal CP communication signal	Charging is prohibited; the red lamp is on for 2 times and off for 3s cyclically
Overvoltage/undervoltage protection	Charging is prohibited; the red lamp is on for 3 times and off for 3s cyclically
Overcurrent protection	Charging is prohibited; the red lamp is on for 4 times and off for 3s cyclically
Electric leakage protection	Charging is prohibited; the red lamp is on for 5 times and off for 3s cyclically
Control panel overtemperature	Charging is prohibited; the red lamp is on for 6 times and off for 3s cyclically

Caution

Due to different configurations of the model, the status of the indicator lamp of the on-board charging gun shall be subject to the instruction manual of the equipment.

On-board discharge connection equipment



1. On-board discharging gun shield
2. 220V output power strip
3. Discharging gun
4. Discharging gun cable

02

Charging interface

AC charging interface

The AC charging interface is located in the center of the front face of the vehicle.

The upper part is the AC interface, and the lower part is the DC interface.

Opening and closing of AC charging port cap

Open

When the vehicle needs charging, press the AC charging port cap to open the charging port cap, pull out the AC charging interface cover, and connect the charging device with the charging interface.

Close

After charging, pull out the AC charging gun, cover the charging interface cover, press the AC charging port cap, and close the AC charging port cap to lock it.

AC charging port lock

If the AC charging interface is in the locked state, press the button to stop charging, and the charging gun and AC charging interface change from the locked state to the unlocked state. At this time, the charging gun can be pulled out normally.

DC charging interface

The DC charging interface is located in the center of the front face of the vehicle.

The upper part is the AC interface, and the lower part is the DC interface.

Opening and closing of DC charging port cap

Open

When the vehicle needs charging, press the DC charging port cap to open the charging port cap, pull out the DC charging interface cover, and connect the charging device with the charging interface.

Close

After charging, pull out the DC charging gun, cover the charging interface cover, press the DC charging port cap, and close the DC charging port cap to lock it.

DC charging interface lock

If the DC charging interface is locked, press the unlocking button on the smart key, and the charging gun and the DC charging interface will change from the locked state to the unlocked state. At this time, the charging gun can be pulled out normally.

AC charging with household on-board charging gun*

Operation steps*:

1. Place the shift lever in P position and pull up the EPB switch

2. Before charging the vehicle, it is recommended to set the START/STOP button to "OFF" position and turn off the A/C.

If it is not set to the "OFF" position, the following phenomena may occur:

a) The vehicle cannot sleep after the charging is completed.

b) The 12V low-voltage battery is seriously short of power.

c) The vehicle cannot be started and charged.

3. Open the AC charging port cap and protective cover.

4. Take out the toolkit with on-board charging equipment from the vehicle trunk, and take out the on-board charging gun from the toolkit.

5. Remove the shield from the on-board charging gun plug.

6. Check whether the three-pin socket of household power supply is reliable grounding.

7. When charging, the charging gun will be locked automatically. After charging, if you need to unplug the charging gun, please stop charging first; Unplug the charging gun again.

8. Install the on-board charging gun cover and pull the on-board charging gun plug out of the power supply. And wrap the on-board charging gun and put it back into the charging kit.

9. Place the charging kit in the specified position under the trunk lid to prevent it from moving freely with the bumping of the vehicle.

10. After charging, cover the charging interface cover, press the left side of the AC charging port cap, and close the AC charging port cap to lock it.

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.

Estimated charging duration of household 16 A socket

Traction battery temperature	Estimated time
-20℃~0℃	About 35h
0℃~45℃	About 34h
45℃~60℃	About 35h

The charging system will automatically adjust the charging duration according to the temperature changes to ensure the best performance of the traction battery.

02

Charging with AC charging pile

Description of AC charging pile status indicator lamp*

1. Emergency switch
2. AC charging pile status indicator lamp
3. Charging cable
4. AC charging pile body
5. Charging gun release button
6. Charging gun

Description of AC charging pile status indicator lamp

Lamp signal	Lamp signal	Lamp signal	Status
			Charging pile initialization setting
			The initial setting of the charging pile is completed and it enters the standby mode
			The card swiping authentication is successful, and the charging gun is not connected to the charging interface
			Charging pile enters the charging procedure
			Abnormal conditions caused by external factors
			Abnormal state occurs due to damage of charging pile internal components
			Input grounding wire is not connected

Symbol		Definitions
		Always on
		Slow flash (cycle = 2000 ms, distribution ratio = 50%)
		Fast flash (cycle = 800 ms, distribution ratio = 50%)
		OFF

No.	LED indicator lamp signal	Recommended actions
1	 The green power supply indicator lamp does not light up	Confirm whether the input voltage is normal. If the voltage is normal, turn off and then turn on the power supply circuit breaker. If the problem persists, please contact the Customer Service Center.
2	 The green charging indicator lamp does not light up	Check whether two short tones sound when the card is swiped. If there are no two short tones, it indicates that the card is wrong or the device cannot sense the card. If there is no other response within 30 seconds, it means that the card authentication fails. Please contact the customer service center.
3	 The red fault indicator lamp flashes	Please separate the charging gun from the vehicle charging interface. If the problem is eliminated, continue the charging process. If not, please contact the Customer Service Center.
4	 The red fault indicator lamp is always on	Check whether the charging gun is separated from the vehicle charging interface. Restart the charging equipment. If the problem persists, please contact the Customer Service Center.

Caution

Due to the different models of AC charging piles, the description of the AC charging pile status indicator lamp shall be subject to the instructions of the charging pile actually used.

Operation steps*:

1. Place the shift lever in P position and pull up the EPB switch.

2. Before charging the vehicle, it is recommended to set the START/STOP button to "OFF" position and turn off the A/C.

If it is not set to the "OFF" position, the following phenomena may occur:

a) The vehicle cannot sleep after the charging is completed.

b) The 12V low-voltage battery is seriously short of power.

c) The vehicle cannot be started and charged.

3. Open the AC charging port cap and protective cover.

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

5. Connect the charging gun plug to the AC charging interface on the vehicle. If the connection is normal, the charging connection indicator lamp on the instrument cluster is always on.

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

7. When charging, the charging gun will be locked automatically.

8. After charging, stop charging according to the operation steps and methods indicated on the AC charging pile. If you need to unplug the charging gun, please press the unlocking button on the smart key first, and then unplug the charging gun after unlocking.

9. 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.

10. After charging, cover the charging interface cover, press the left side of the AC charging port cap, and close the AC charging port cap to lock it.

Estimated charging duration of AC charging pile

Traction battery temperature	Estimated time
-20℃~0℃	About 15h
0℃~45℃	About 14h
45℃~60℃	About 15h

220V AC discharge*

Operation steps

1. Place the shift lever in P position and pull up the EPB switch.

2. Please confirm that the instrument cluster shows the traction battery SOC is greater than 30%.

Caution

When the traction battery SOC is lower than 30%, the AC discharge function is prohibited.

3. Take out the on-board discharging gun from the trunk and remove the discharging gun shield.

4. Open the AC charging port cap and protective cover, and insert the head of the discharging gun completely into the AC charging interface.

5. Press the switch on the power strip to discharge.

Caution

When the vehicle is discharged for a period of time and the traction battery SOC is lower than 30%, the discharge will be automatically stopped.

6. After the discharge, turn off the discharge electrical equipment, and press the switch of the socket strip to disconnect the power supply.

7. If the discharging gun is locked, press the release button on the discharging gun to unlock the discharging gun and unplug the discharging gun from the AC charging interface.

8. Install the discharging gun protective cover, then put it back to the designated position in the trunk and fix it.

9. Cover the charging interface cover, press the left side of the AC charging port cap, and close the AC charging port cap to lock it.

Caution

- The 220 V AC discharge shares the same charging interface with the AC slow charging, so the automatic lock and unlock operations of the discharging gun are the same as those of the slow charging gun.
- When using the discharging gun for vehicle-to-vehicle charging, please use the on-board charging gun provided by the Forthing. At this time, the charging gun grounding fault indicator lamp is on, which is normal.

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 using the AC discharge function, please use the discharging gun that meets the IEC 61851-1 standard, otherwise it may cause vehicle failure or safety accidents.
- When using the AC discharge function, it is recommended to set the START/STOP button to the "OFF" position and turn off the A/C.
- When the AC discharge function is used, the total electrical power should not exceed 3 kW; otherwise it may cause safety accidents.

Charging with DC charging pile

Operation steps*:

1. Place the shift lever in P position and pull up the EPB switch.

2. Before charging the vehicle, it is recommended to set the START/STOP button to "OFF" position and turn off the A/C.

If it is not set to the "OFF" position, the following phenomena may occur:

a) The vehicle cannot sleep after the charging is completed.

b) The 12V low-voltage battery is seriously short of power.

c) The vehicle cannot be started and charged.

3. Open the DC charging port cap and protective cover.

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

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

6. After the vehicle charging is completed, the automatic control system of the DC charging pile can automatically end this charging. The charging can also be stopped manually according to the operating instructions of the DC charging pile.

7. Pull out the charging gun after charging and put it back to the original position.

8. After charging, cover the charging interface cover, press the right side of the DC charging port cap, and close the DC charging port cap to lock it.

9. During the DC charging process, if the DC charging pile detects an abnormality and stops charging, the instrument cluster will display "Charging Pile Failure". At this time, it is recommended to replace the charging pile for charging. If the instrument cluster 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.

Caution

- It is recommended to use a DC charging pile that conforms to IEC 62196-3, DC CCS 2, DIN 70121 and ISO/IEC15118 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.

Estimated charging duration of DC charging pile

On the premise that the DC charging pile can output 80 kw charging power, the estimated time for the traction battery to charge from 0% to 80% is shown in the table below:

Traction battery temperature	Model with 500KM endurance range
-20℃~0℃	About 4h
0℃~25℃	About 2h
25℃~45℃	About 1h
45℃~54℃	About 2h

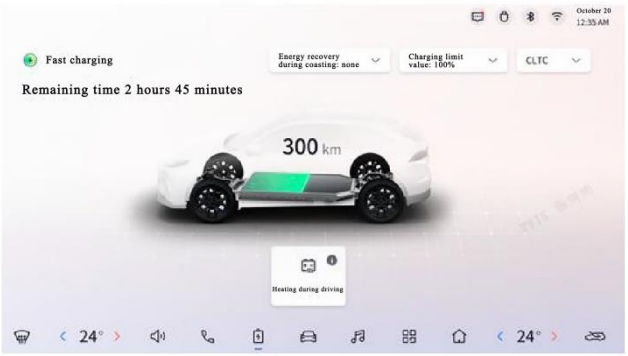
During the charging process, the traction battery temperature and the power grid voltage changes will cause the charging output power of the charging pile to change, resulting in the change of the remaining charging time displayed on the instrument cluster, which is a normal phenomenon. The lower the traction battery temperature, the longer the required charging duration.

In order to prolong the service life of the traction battery, the charging current requested by the vehicle from the DC charging pile will gradually decrease with the increase of the SOC. When the SOC is greater than 80%, the vehicle will switch from high-power charging to low-power charging. When the temperature is 25℃~45℃ and the grid voltage is stable, it takes about 1 hour to charge the traction battery from 80% to 100% SOC.

During the fast charging process, if the charging is stopped due to abnormal fast charging pile, the instrument cluster will display "Charging Pile Failure", and it is recommended to replace the charging pile for charging. If the instrument cluster still displays "Charging Pile Fault" after replacing multiple charging piles, it is recommended to contact the Forthing Special Service Station.

Traction battery pre-heating*

When driving in cold weather and looking for a fast charger, press the [Pre-heating] switch on the display about 1 h in advance to turn on the pre-heating function of the traction battery, and heat the traction battery to the most suitable temperature range before charging, so as to shorten the fast charging duration.



It is recommended that when the ambient temperature is less than 10℃, the remaining traction battery SOC on the instrument cluster is greater than 25% and the fast charging time needs to be shortened, the traction battery pre-heating function shall be turned on.

Caution

- When the vehicle is not started, the ambient temperature is higher than 19°C or the traction battery SOC on the instrument cluster is less than 20%, the traction battery pre-heating function cannot be turned on.
- The traction battery pre-heating function will be automatically turned off after being turned on for 2 hours.

Charging Reservation

Enter the reservation interface

Click the [Energy Center] icon on the home page of the display to enter the energy center application interface.

Make reservation settings

1. Click [Charging Reservation Setting] to turn on/off the charging reservation function.

2. Click [Reservation Time], and you can choose to start every day or only once, and select the charging duration as required.

Caution

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

- The AC charging gun is not plugged in.
- The charging pile does not work (including power grid outage, charging pile failure, etc.).
- The vehicle has a charging prohibition fault.
- Insert the DC and AC charging guns at the same time.

Caution

- 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.
- When [Start/End Mode] is used for appointment setting, if the start time and end time are set to be the same, it means that the interval between the start time and the end time is 24 h.

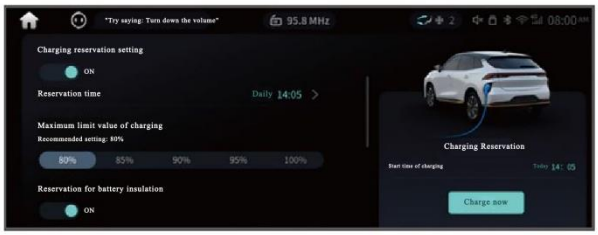
Reservation for traction battery insulation

The traction battery heating function can be turned on through the display. After the traction battery is fully charged in cold weather, the traction battery heating function can be turned on about 1 h before driving, which can heat the traction battery temperature to a suitable temperature range and improve the vehicle endurance range.

Enter the reservation interface

Click the [Energy Center] icon on the home page of the display to enter the energy center application interface.

Make reservation settings



1. Click [Reservation for Battery Insulation] to turn on/off the function of reservation for traction battery insulation.

2. This function will give priority to using the electric energy of the charging pile to keep the traction battery warm at low temperatures, improving the endurance of the traction battery at low temperatures, but increasing the power consumption of charging.

3. This function can be selected to be turned on every day or only once, and the insulation time can be selected as needed.

Caution

- If the charging is currently in progress (not fully charged) and the set traction battery insulation time is reached, the traction battery insulation will be automatically activated after the battery is fully charged.
- The traction battery heating function will be automatically turned off after 1 h.

Troubleshooting for Common Charging Faults

Symptoms	Possible causes	Solution
Unable to be charged or discharged at 220V	The vehicle is not in P position	Put the shift lever 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 traction battery is too high or too low	Check the traction battery temperature to ensure that the traction 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 the section "Jump Start" in Chapter VIII "Emergency Fault Troubleshooting".
	The vehicle is faulty	If the vehicle is faulty, please confirm whether the warning lamp on the instrument cluster 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 traction 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. The upper limit of charging can be set in the "Energy" of the infotainment system.
	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 of 50 Hz, 220 V/230 V is not enabled	
	The traction battery is saturated	Unplug the charging gun, start the vehicle, and check whether the SOC pointer of the vehicle points to 100%. If 100% has been indicated, the traction 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 "charging reservation" section of this chapter.
	Fast charging pile failure	Check whether the 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.
	Charging facilities do not meet the requirements CCS2	Use the charging gun provided with the vehicle or the charging pile meeting the CCS2 requirements for charging.

Symptoms	Possible causes	Solution
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 "charging reservation" section of this chapter.
	The charging reservation function is not set correctly	Please operate in the correct order to make an Charging Reservation. Refer to the "charging reservation" section of this chapter.
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.
	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 reservation timing time has reached	When the charging reservation is set and the end of the charging reservation has been reached, the charging will stop even if the traction battery is not full.
	Traction battery overtemperature	Check the traction battery temperature to ensure that the traction 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 instrument cluster 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.
	The discharging gun and the DC charging gun are connected at the same time	The discharging gun and the DC charging gun cannot be inserted at the same time, and only one of them can be used.
	Traction battery overtemperature	Check the traction battery temperature to ensure that the traction 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 instrument cluster 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

Precautions for seat belt

Before driving the vehicle, be sure to read this chapter, which will help you get familiar with the correct operation method of the seat belt and drive the vehicle safely.

Caution

- Each passenger shall fasten the seat belt correctly when riding in the vehicle. Only by fastening the seat belt correctly can the airbag play a protective role and protect the driver and passengers in the event of an accident.
- When the vehicle encounters an accident and emergency brake, the seat belt will restrain the driver and passengers on the seat to prevent the body from rushing forward, thus protecting the driver and passengers from secondary collision.
- When a child safety seat is placed on the seat or the passenger in the front seat is not suitable for fastening the seat belt, it is only necessary to keep the seat belt in normal retraction state.

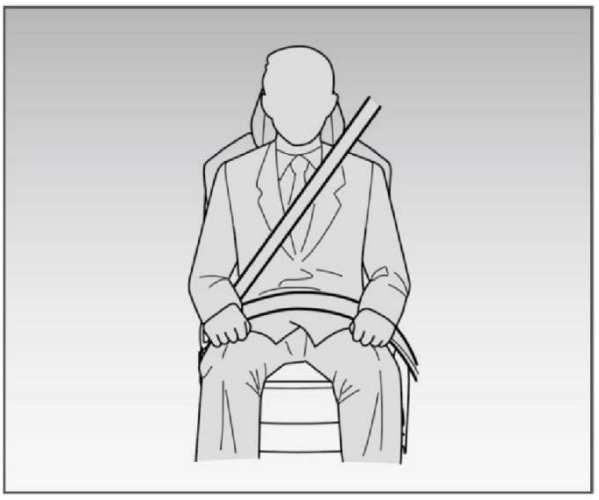
Warning

- Be sure to fasten the seat belt correctly. Do not cross the seat belt through the lower abdomen. Otherwise, in case of an accident, the seat belt will strongly press the lower abdomen, increasing the risk of injury.
- The shoulder seat belt shall be adjusted to the most suitable position. Do not place the shoulder seat belt under the arm. The seat belt should be tightened as much as possible, otherwise the effectiveness will be reduced and the risk of injury will be increased.
- Pregnant women should also fasten the seat belt across the hips as low as possible, and the shoulder seat belt should be stretched diagonally along the shoulder, and the seat belt should not touch 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.

Warning

- When children are in the vehicle, be sure to use suitable protective devices, and do not allow children to sit on the front seat.
- Only one seat belt is allowed for each passenger. Do not hold the baby or child in your arms and then bypass them to fasten the seat belt. This will cause serious injury to the passenger in an accident.

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.
4. Do not twist the seat belt.

Fastening or loosening the seat belt

1. Pull the seat belt out of the retractor and insert the tongue into the buckle until a "click" sound is heard, indicating that the seat belt is locked.

2. To unfasten the seat belt, press the release button on the buckle.

Seat belt shoulder strap height adjustment

1. Press the upper part of the seat belt shoulder strap height adjuster, move it up and down to the desired position and release it until a "click" sound is heard.

2. Try to move the adjuster downward without pressing to make sure that it is locked in place.

Seat belt pretensioner *

In the event of a severe frontal or side collision upon the vehicle, the seat belt pretensioner will be automatically tightened to quickly protect the driver and passengers.

Caution

In the event of a minor head-on collision, side collision, rear collision or rollover, the pretensioner may not be activated.

Seat belt unfastened alarm

The vehicle is equipped with a warning lamp for the seat belt not fastened. When it is detected that the driver's and passenger's seat belts are not fastened, the corresponding warning lamp on the instrument cluster will light up, and the buzzer will continue to alarm until the driver and passenger fasten their seat belts.

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.

Airbag

When the vehicle has a frontal or side collision to the extent that the airbag deployment requirements are met, the airbag will inflate and open to reduce the impact injury to the head and chest of the driver and passenger.

Precautions for use of airbag

1. There is an airbag warning label on the left 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 hangers or other hard objects on the coat hook. When the side curtain airbag is deployed, these items may pop out and cause injury or death to passengers.

4. Do not touch any related components immediately after the airbag is deployed.

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

6. 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.

7. 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 side airbag

2. Front passenger side 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 helps protect the torso part of the driver and front passenger from impact with interior components.

Side curtain airbag*

Side curtain airbag help protect the heads of driver, front passenger and rear outboard passengers.

⚠ Warning

Due to the considerable speed and force of the front side airbag and side curtain airbag when they are deployed, it is forbidden to get your head close to the deployment area of the side airbag and side curtain when the vehicle is running; otherwise you may be injured.

Deployment conditions of front airbag

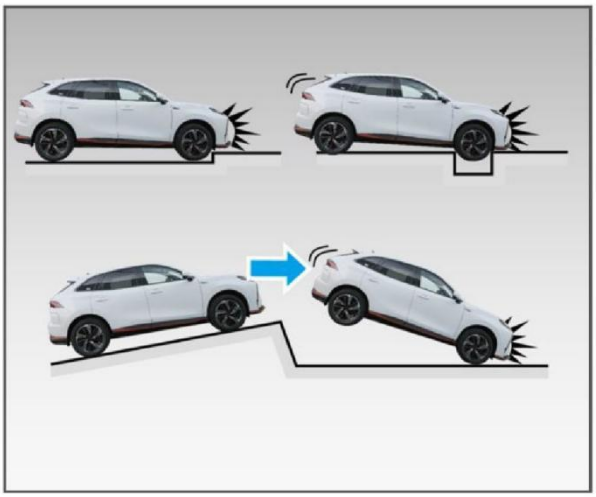
The front airbag deploys when the vehicle has a head-on collision with a solid wall at a vehicle speed of 25 km/h or higher.

Deployment conditions of front side airbag and side curtain 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 where the front airbag may be deployed (inflated) (except collision)

The front airbag may also deploy if the underbody is severely impacted. Some examples are shown in the figure.



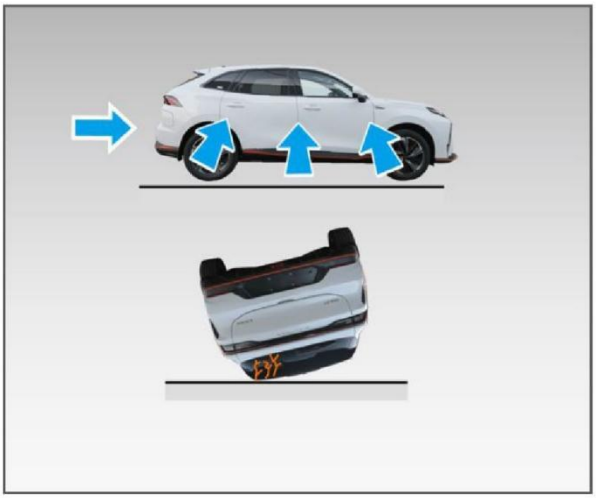
1. Collision with curb, sidewalk edge or hard surface

2. Falling into or crossing deep pits

3. The wheels are on the ground or the vehicle falls

Several types of collisions in which front airbag may not deploy

The front airbag will not deploy in the event of a side collision, rear collision, rollover or low speed head-on collision. However, regardless of the type of collision, as long as the vehicle produces sufficient forward deceleration, the front airbag may deploy.



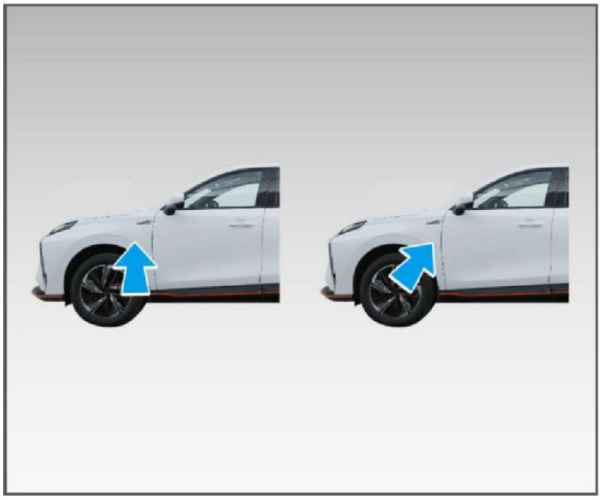
1. Rear collision

2. Side collision

3. Rollover

Several types of collisions during which front side airbag and side curtain airbag may not deploy*

If the vehicle part suffering side collision is at an angle to the body, or is not the passenger compartment, the front side airbag and side curtain 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 vehicle suffers a rear collision, rollover, low-speed side collision or low-speed head-on collision, the front side airbag and side curtain airbag may not deploy.

1. Rear collision

2. Rollover

Event data recorder (EDR)

S/N	Parameter name	Meaning	Unit
1	Longitudinal acceleration	Longitudinal acceleration of vehicle	g
2	Vehicle speed	Wheel-side linear speed	km/h
3	Service brake, ON or OFF	It is used to detect whether the driver depresses the brake pedal	/
4	VIN	Vehicle VIN	/

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.

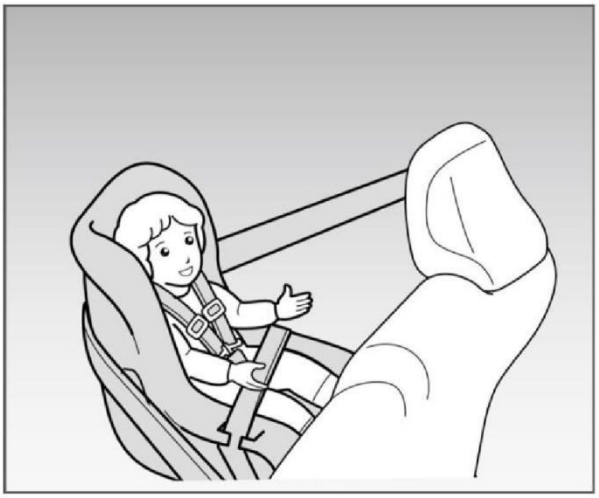
Older children must be protected by a three-point seat belt and, if necessary, an auxiliary safety seat cushion should be installed.

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

⚠ Warning

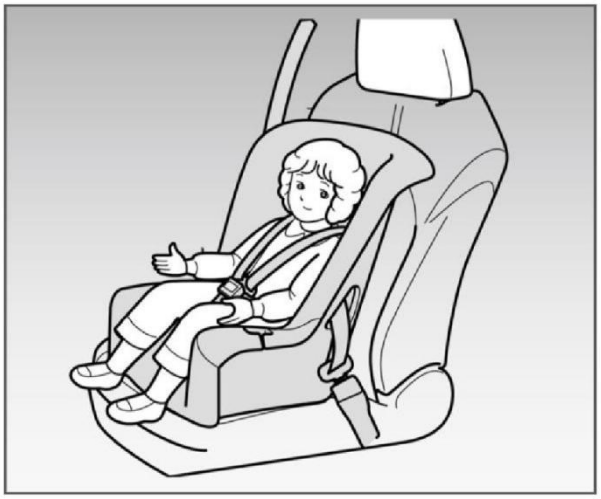
- Do not allow children to carry or use smart key.
- Children may start the vehicle or shift the shift lever to N position. Children may also injure themselves when playing with windows, sunroof, panoramic sunroof or other vehicle equipment.
- Do not leave children alone in the vehicle. Otherwise, children may be injured or killed in a closed vehicle due to excessive temperature.

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 the GB27887-2011 standard.

Applicability of child seat

In addition to the three-point seat belt for children, the rear seat also provides two standard "ISOFIX" child restraint system, 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	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.

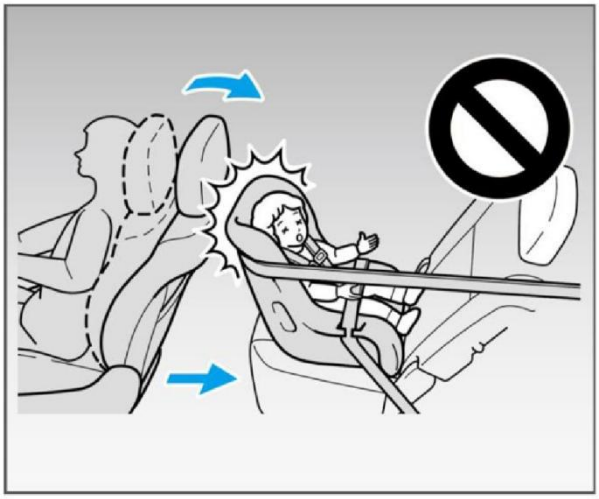
D-ISO/R2: Reduced-height rearward-facing toddler restraint systems.

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

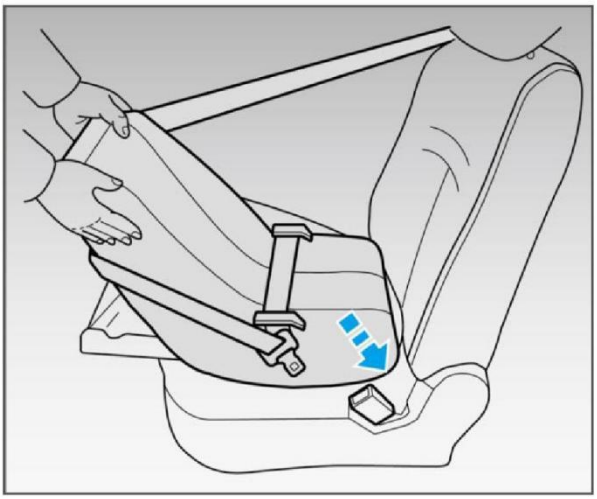
F-ISO/L1: Child restraint system (carry-cot) for the left facing position.

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

Installation of rear-facing child protection device

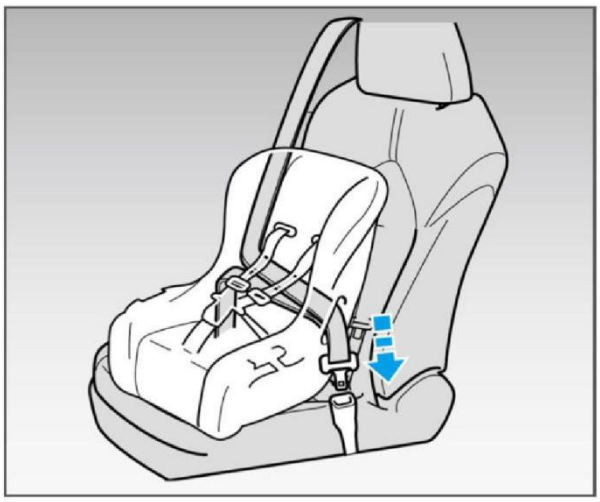


If the driver's seat interferes with the proper installation of the rear-facing child protection device, the rear-facing child protection device should be installed on the rear right seat.



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.

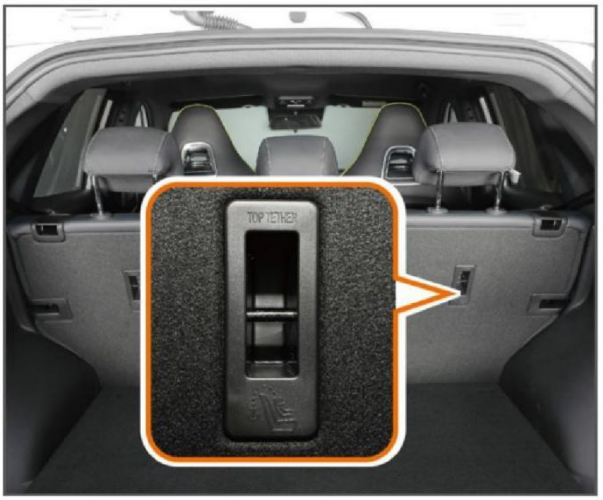
Installation of ISOFIX interface

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. Press the rear seat headrest adjustment button to raise the headrest to the highest point.



4. Pass the hook of the child safety device through 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.

04

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.

TPMS fault warning lamp (yellow)

When the tire pressure and temperature are abnormal or the tire pressure monitoring function fails, this lamp will come on.

1. If this lamp is on because the tire pressure is too high or too low, please adjust the tire pressure to the standard tire pressure in time. If this lamp is still on after adjustment, please contact the Forthing Special Service Station in time.

2. If this lamp is on because the TPMS is not matched or the sensor signal is lost, please contact the Forthing Special Service Station in time.

Parking fault warning lamp (yellow)

This lamp will go on when the parking system is faulty. At this time, the parking system still has parking ability, but cannot realize AUTO HOLD function. Please pull up the EPB switch to park, and contact the Forthing Special Service Station as soon as possible.

Low-voltage battery charging fault warning lamp (red)

When the lamp is on in the non-READY state, it indicates that the 12V low-voltage battery is not charged, which is normal.

When the lamp is on in READY state, it indicates that the charging system is not working properly and needs repair. In this case, please turn off all unnecessary electrical equipment and contact the Forthing Special Service Station in time.

Steering system fault warning lamp (yellow)

When the EPS fails, this lamp will come on.

If this lamp is on when the vehicle is running, please reduce the vehicle speed and park the vehicle safely on the roadside. Turn off the power supply for 5 min and restart the vehicle. 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 fault warning lamp (yellow)

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 fault warning lamp (red)

When the brake fluid level drops to a low level, this lamp will come 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.

SRS malfunction warning lamp (red)

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

Front seat belt unfastened warning lamp (red)

When the START/STOP button is in the "ON" position, if the driver or front passenger does not fasten the seat belt, this lamp will come on and an alarm will sound. When the driver or front passenger fastens the seat belt, this lamp will go out and the alarm will be released.

FCWS warning lamp (red)*

When the FCWS detects that the vehicle may collide with an object ahead, it will give an alarm prompt through sound and picture, and the warning lamp flashes, which is normal.

AEBS warning lamp (red)*

When the AEBS is activated, it will give an alarm prompt through sound and picture, and the warning lamp will flash, which is normal.

Main warning lamp

When the indicator lamp is on, you can enter the instrument alarm query interface to query specific faults. Please contact the Forthing Special Service Station.

Power system malfunction warning lamp

When the vehicle has some faults, this lamp will come on, and you can enter the instrument cluster alarm query interface to query the specific fault cause. If the fault 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.

SPORT mode indicator lamp (white)

This lamp is on when the vehicle is in SPORT mode.

ECO mode indicator lamp (green)

This lamp is on when the vehicle is in ECO mode.

NORMAL mode indicator lamp (green)

This lamp is on when the vehicle is in NORMAL mode.

Parking status indicator lamp (red)

When the EPB switch is pulled up, this lamp will come on. If this lamp does not go on after parking or remains on after the EPB switch is pressed, please contact the Forthing Special Service Station.

AUTO HOLD working indicator lamp (green)

This lamp is on when the AUTO HOLD system is working.

HDC working indicator lamp (green)

When the HDC is on, this lamp will stay on. When the HDC is working, this lamp flashes.

Cruise control ON indicator lamp (white)

When the CCS is turned on but not activated, this lamp will come on.

Cruise control working indicator lamp (green)

When the CCS is turned on and the cruise control function is activated, this lamp will come on, and the target vehicle speed will be displayed next to the indicator lamp.

ACC ON indicator lamp (white)*

When the ACC system is on but not activated, this lamp will come on.

ACC working indicator lamp (green)*

When the ACC function is activated to start to work, this lamp will come on.

ICC indicator lamp (white)*

When the ICC function is turned on but not activated, this lamp will come on.

ICC single-function working indicator lamp (yellow)*

When the longitudinal control of the ICC system is activated, this lamp will come on.

ICC dual-function working indicator lamp (green)*

This lamp is on when the ACC and LDA functions of the TJA system are working at the same time.

Turn and hazard signal indicator lamp (green)

When the turn signal lamp is operated, the corresponding turn indicator lamp lights up 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, it indicates that the turn signal lamp bulb may be abnormal. You should immediately confirm whether the turn signal lamp bulb is damaged and contact the Forthing Special Service Station.

Indicator lamp of position lamp (green)

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

Indicator lamp of low beam lamp (green)

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

Indicator lamp of high beam (blue)

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

Indicator lamp of rear fog lamp (yellow)

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

ESP OFF indicator lamp (yellow)

When the ESP switch is pressed, the ESP system will be turned off and this lamp will come on. Press this switch again, the ESP system will be turned on again, and this lamp will go out.

ESP working indicator lamp (yellow)

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

Anti-theft indicator lamp (red)

When the START/STOP button is set to "ON" position, if this lamp flashes, it indicates that the smart key is illegal or the anti-theft authentication fails. Please check whether the smart key is correct. When the START/STOP button is set to "ACC" or "OFF" position, if this lamp flashes, it indicates that the vehicle enters the anti-theft state.

LDW ON indicator lamp (white)*

This lamp is on when the LDW system is turned on but not activated.

LDW working indicator lamp (green)*

When the vehicle speed conditions are met and the system is activated, this lamp will come on.

Lane keeping system ON indicator lamp (white)*

This lamp is on when the lane keeping function is turned on but not activated.

Lane keeping system working indicator lamp (green)*

This lamp is on when the lane keeping system is working.

FCWS OFF indicator lamp (yellow)*

This lamp will come on when the FCWS switch is turned off.

AEBS OFF indicator lamp (yellow)*

This lamp will come on when the AEBS switch is turned off.

IHC ON indicator lamp (green)*

This lamp will come on when the IHC function is activated.

Charging connection indicator lamp

When the charging gun is inserted, this lamp will come on, and the charging gun connection status can be checked through this lamp.

OPM mode indicator lamp

When the single pedal mode is turned on, this lamp will be on, indicating that the vehicle is in the driving state of the single pedal mode.

Limp-home mode indicator lamp

When the vehicle enters the limp-home (power limited) mode, this lamp will go on. At this time, drive carefully, slow down or stop for inspection, and clear the fault before drive.

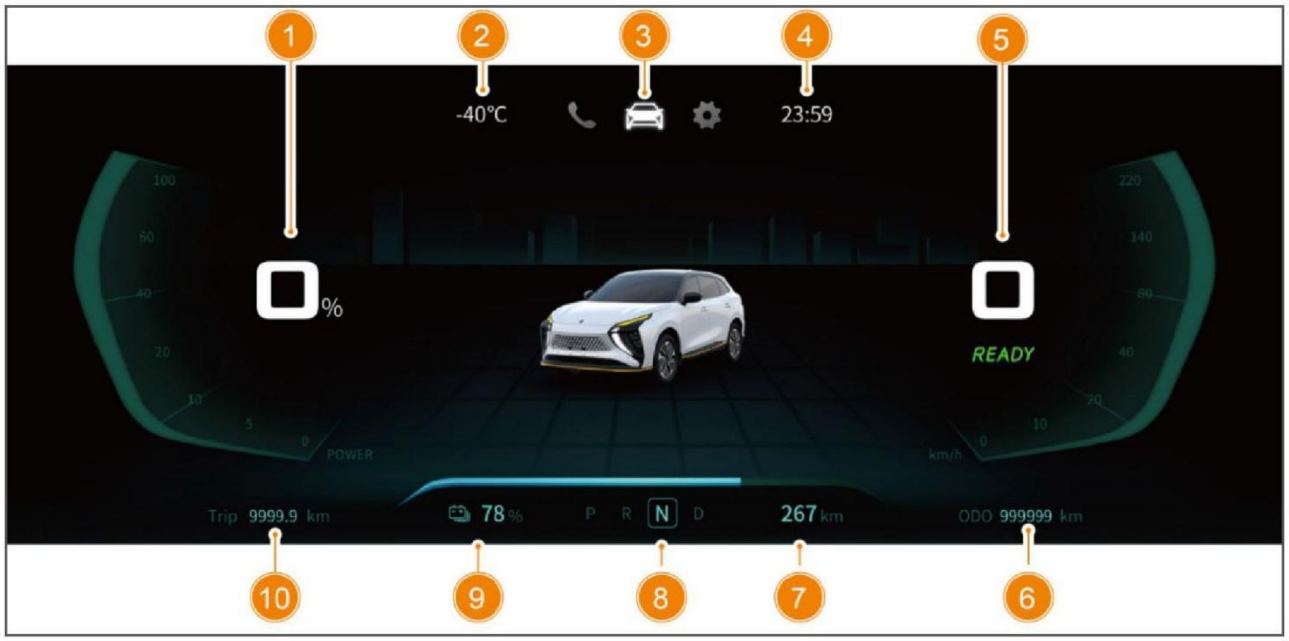
Charging indicator lamp (yellow)

When the traction battery SOC is too low, this lamp will come on. The vehicle shall be charged in time.

READY indicator lamp (green)

When the high-voltage power of the vehicle is turned on, this lamp comes on, indicating that the vehicle is in a driving state.

Instrument Cluster Overview



1. Power meter

It displays the energy output of the traction battery and the percentage of recovered power. The energy output is displayed as 0% ~ 100% according to the actual output power, and the energy recovery is displayed as 0% ~ 60% according to the actual recovery power.

2. Outside temperature

It displays the current outside temperature

3. General information

This interface displays driving information, ADAS, multimedia, map/navigation and settings. The display content can be switched by the left and right buttons on the steering wheel.

4. Time

It displays the current time.

5. Speedometer

It displays the current vehicle speed.

6. Odometer

It displays the total mileage of the vehicle, and stops accumulating when the total mileage reaches 999999 km.

7. Endurance range

It displays the current maximum distance that the vehicle can continue to travel.

8. Gear position

It displays the current gear position.

9. Traction battery SOC meter

The remaining SOC of the current traction battery is displayed. When the charging indicator lamp comes on, the vehicle shall be charged in time.

10. Trip meter

It displays the trip of the vehicle, which will be automatically cleared when out of range. It can also be reset by short pressing the OK button.

Instrument cluster Control

1. Up button: Switching up on the same level page.

2. Right button: Switch to select the home page or view the alarm information list.

3. OK button: Select OK button in the setting interface to confirm or deactivate the currently displayed text reminder interface.

4. Down button: Switching down on the same level page.

5. Left button: Switch to select the home page or return to the previous page

General information

This interface displays driving information, ADAS, multimedia, map/navigation and settings. The display content can be switched by the left and right buttons on the steering wheel.

Driving information

Driving information includes vehicle status, trip computer, power consumption in the last 50 km and tire pressure information. The display content can be switched by the up and down buttons on the steering wheel.

Vehicle status

This interface shows the usage status of the doors (including liftgate) and seat belts.

Trip computer

This interface displays the average vehicle speed, average power consumption and endurance range. The display content can be switched by the up and down buttons on the steering wheel.

1. Average vehicle speed

Display range of average vehicle speed: 0~200 km/h. Short press the OK button to call up the reset interface to reset the average vehicle speed separately.

2. Endurance range

It displays the current maximum mileage that the vehicle can continue to travel. Display range: 20~999km. When it is lower than 20km, "_ _ _" is displayed.

Caution

- After the vehicle is charged, the endurance range will be recalculated.
- The displayed endurance range value will change according to the recent comprehensive power consumption.
- If the charging indicator lamp comes on, even if the vehicle can travel for a long mileage, it needs to be charged in time.
- When driving in special environments such as low temperatures, the endurance range display may be temporarily changed.

3. Average power consumption

Display range of average power consumption: 0~30Kwh/100km. Short press the OK button to call up the reset interface to reset the average fuel consumption separately.

4. Instantaneous power consumption

The instantaneous power consumption displays the current power consumption information through a curve graph. Display range of instantaneous power consumption: 0~30Kwh/100km

Power consumption in the last 50 km

1. Optimum power consumption

It displays the historical low value of power consumption.

Short press the OK button to call up the reset interface to reset the optimal power consumption separately.

2. Curve power consumption

It displays the power consumption performance in the last 50km.

Short press the OK button to call up the reset interface to reset the curve power consumption separately.

3. Power consumption curve

The power consumption curve is plotted from the curved power consumption values in the nearest 50 km.

Tire pressure information

When the tire pressure value is abnormal, the display interface will give corresponding reminder.

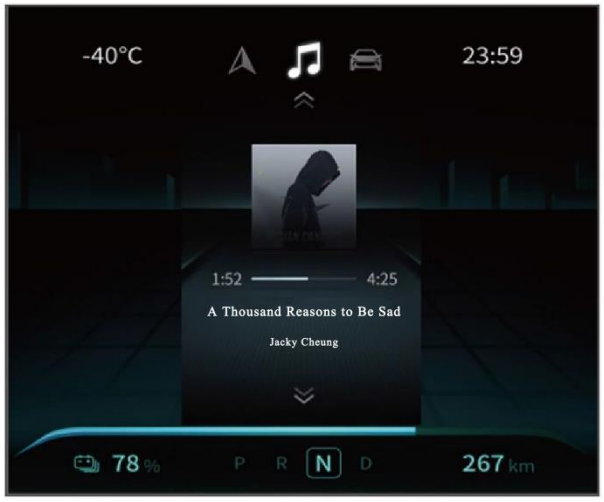
Caution

- 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.
- 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, the vehicle needs to be driven at a speed of more than 30 km/h for 1 min, and the instrument cluster will update the data.

Driver assistance

Depending on the model configuration, different functions can be displayed on this interface. For details about ADAS, please refer to the relevant instructions in Chapter VIII "Comfortable Driving".

Multimedia



This interface displays the current radio station or music information.

Map/navigation

This interface can display map information and simple navigation information on the display synchronously.

Alarm information

This interface displays some vehicle information that needs to be alarmed or reminded. When there are multiple vehicle information that need alarm or reminder, the display content can be switched and queried by the up and down buttons on the steering wheel.

Setting

The setting interface includes alarm information query, driving information clearing, brightness adjustment, volume adjustment and instrument version information. The corresponding menu interface can be accessed through the up, down and OK buttons on the steering wheel. The specific information is shown in the table below.

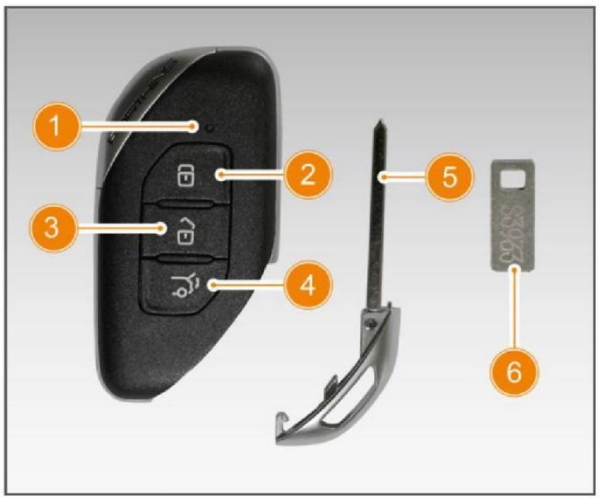
Level 1 menu	Level 2 menu	Level 3 menu
Settings	Query of alarm information	
	Reset of driving information	Average power consumption
		Average vehicle speed
		Trip
	Brightness adjustment	
	Volume adjustment	
	Instrument version information	

Fatigue driving reminder

If the fatigue driving reminder is triggered after continuous driving for more than 4 h, press the OK button and park the vehicle in a safe place for 20 min to cancel the reminder.

Key information

Smart key



1. Button indicator lamp
2. Locking button
3. Unlocking button
4. Liftgate unlocking button
5. Mechanical key
6. Smart key number plate

Mechanical key

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

Replace the smart key battery

If the smart key power is low, it may cause the remote control distance to become shorter or the vehicle cannot be remotely controlled, and even the vehicle may not be able to recognize the smart key. In this case, the battery in the smart key needs to be replaced.

Engine immobilizer system

If you carry a smart key with an incorrect code, the anti-theft indicator lamp on the instrument cluster will flash when the START/STOP button is set to "ON" position. The system determines that the smart key is illegal or the anti-theft authentication fails. At this time, the vehicle will not be started.

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.

Unlocking and locking with smart key

Unlock

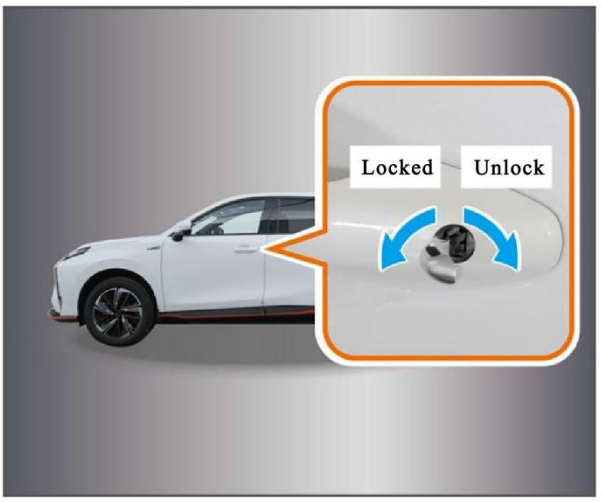
Short press the unlocking button on the smart key, the four doors will be unlocked and the turn signal lamp will flash; Press and hold the unlocking button on the smart key, and the windows of four doors will be opened.

Lock

Short press the lock button on the smart key, the four doors will be locked, the turn signal lamp will flash, the horn will sound once, the interior lamp will gradually go out, and the infotainment system will be turned off; Press and hold the locking button on the smart key, and the windows of four doors will be closed.

Unlocking and locking with mechanical key

2. After the door is closed, pull the driver's door handle to the maximum opening, extend the index finger into the handle to press the front buckle, 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 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

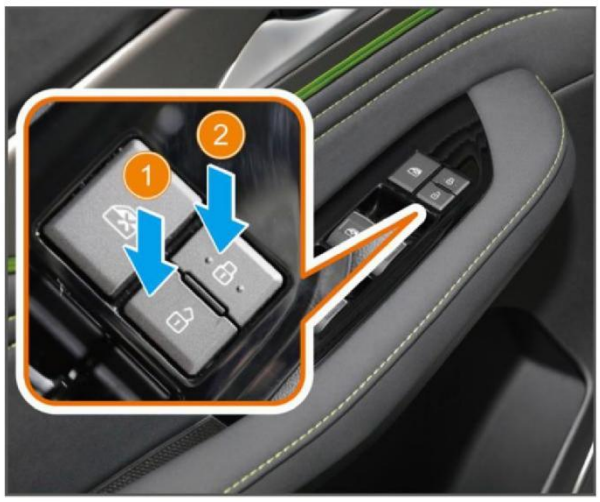
When the door is locked, pull the interior handle of the door twice to open the door.

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

Caution

If the child safety lock of the rear door is locked, the rear door cannot be opened from inside the vehicle.

Unlocking and locking of door lock control



1. Press to unlock all doors
2. Press to lock all doors

Caution

Central locking can only be carried out when all doors are closed.

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 inside handle twice from the inside to unlock the rear door.

Rear door child safety lock

1. Unlock
2. After the rear door child safety lock is set, the child cannot open the rear door from inside the vehicle, which helps prevent the child from accidentally opening the rear door.

Automatic door lock

When the vehicle speed is increased to more than 10 km/h with the door unlocked, the four doors will be locked automatically.

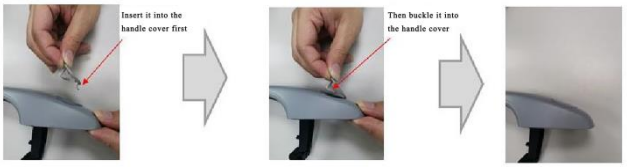
Collision forced unlock

When the door is in the lock state and the START/STOP button is in the "ON" position, if the vehicle suffers a strong impact, all doors will be automatically unlocked. Depending on the force of the impact or the type of accident, the system may not work.

Removal and installation methods of lock cylinder hole plug cap

1. Close the front door, pull the front door outer handle to the maximum opening, extend the index finger into the handle to press the front end, take out the plug cap to disengage the cylinder cover and expose the cylinder hole;

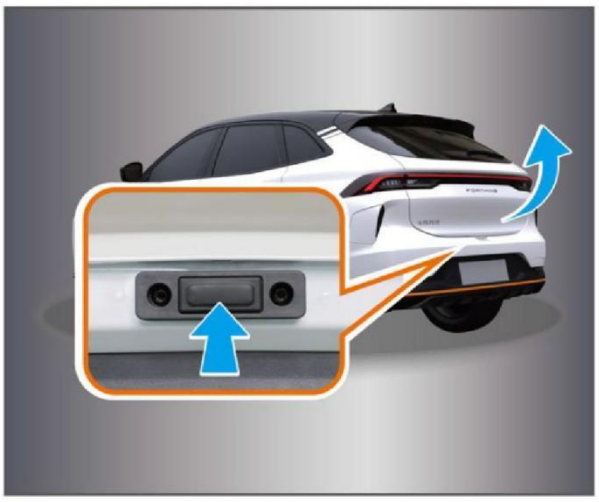
2. After unlocking the mechanical key, install the lock cylinder plug cap: first assemble the rear end of the lock cylinder cover into the recessed limit structure of the handle cover, and then buckle the front end of the lock cylinder cover into the cover.


Insert it into the handle cover first
Then buckle it into the handle cover

Opening and closing of liftgate

Open the liftgate from outside the vehicle

Open the liftgate without a key



Ordinary liftgate

Take the smart key to the side of the liftgate and manually open the liftgate while pressing the micro switch.

Power liftgate

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

Open the liftgate with a smart key

Ordinary liftgate

When the liftgate is closed, press and hold the liftgate unlocking button on the smart key to unlock the liftgate, and then manually open the liftgate.

Power liftgate

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

Open the liftgate 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 liftgate will be opened automatically.

Caution

- The sensing opening of liftgate 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 liftgate.
- 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.

Caution

- 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 liftgate 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.

Warning

- When using this function, please ensure that there are no other people or obstacles in the liftgate movement area. Please avoid the movement area of the liftgate after operation to avoid injury to the human body or the vehicle.
- When cleaning the vehicle automatically, please ensure that the smart key is not near the liftgate. If the liftgate is opened accidentally, it may be damaged.

Close the liftgate from outside the vehicle

Ordinary liftgate

Snap down to close the liftgate.

Power liftgate*

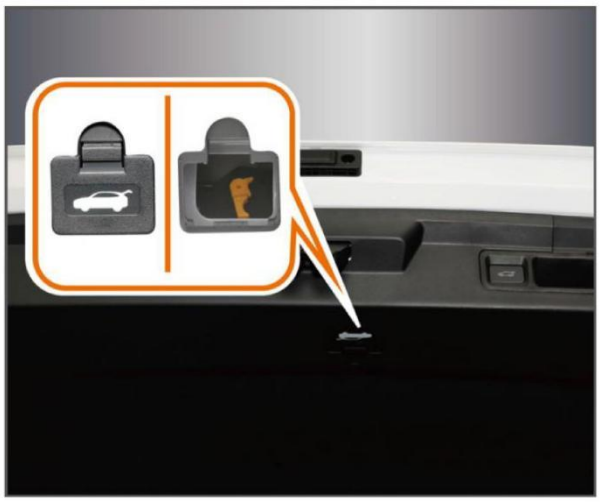
Press the liftgate guard switch to automatically close the liftgate. If this switch is pressed again during the closing process, the liftgate will stop closing.

In addition, the liftgate can be automatically closed by pressing and holding the liftgate unlocking button on the smart key.

Open and close the liftgate from inside the vehicle*

When the liftgate is in the unlock state, press the interior liftgate switch, and the liftgate will automatically open or close. During the movement of the liftgate, press this switch again, and the liftgate will stop moving.

Emergency opening of liftgate inside the vehicle



If the lock failure occurs and the liftgate cannot be opened, remove the emergency opening cover on the liftgate guard, pull the liftgate emergency opening pull ring, and hold the liftgate with the other hand to open the liftgate from inside the vehicle.

Liftgate opening height setting*

Set the liftgate opening height

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

1. Manually open the liftgate to the desired height.
2. Press and hold the liftgate guard switch until an audible signal is heard, indicating that the opening height is set successfully.
3. Close the liftgate and reopen it to the set height.

Restore the maximum opening height

1. Manually open the liftgate to the highest position.
2. Press and hold the liftgate guard switch until an audible signal is heard, indicating that the maximum opening height has been restored successfully.
3. Close the liftgate and reopen it to maximize the height.

Warning

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

Set the opening angle of the liftgate through the infotainment system

1. Click [Settings]-[Vehicle]-[Accessories]-[Maximum opening angle of liftgate] in the display to enter the liftgate height setting page.

2. According to the actual needs, click the desired liftgate 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 liftgate in the infotainment system is for reference only. Please set the specific height according to the actual operation.

Anti-pinch protection

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

Adjust the seat

Front seats

Manual adjustment of driver seat

1. Seat fore-and-aft adjustment lever

Pull the lever upward to adjust the seat forward and backward. After adjusting it to a proper position, release the lever to ensure that the seat does not move forward and backward.

2. Seat height adjustment handle

Lift or press the handle to adjust the seat up or down. After adjusting it to a proper position, release the handle.

3. 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.

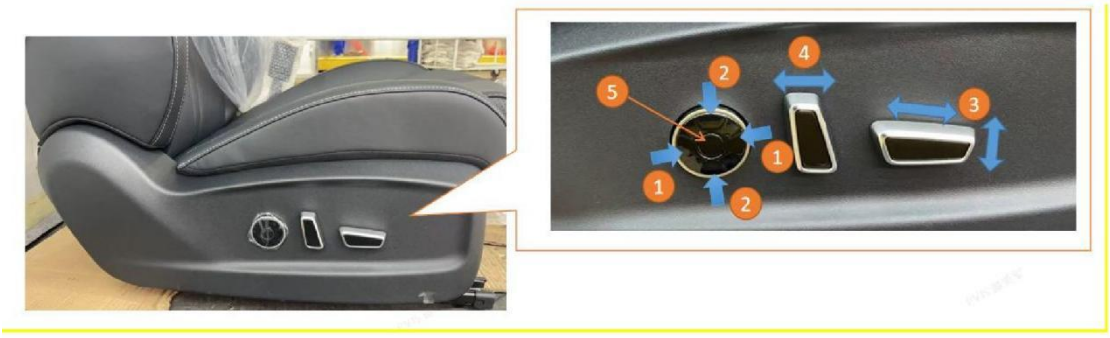
Manual adjustment of front passenger seat

1. Seat fore-and-aft adjustment lever
2. Adjustable handle of backrest angle

The manual adjustment method of front passenger seat is the same as that of the driver seat.

Electric adjustment of driver seat*

Ten-way seat



1. Lumbar support fore-and-aft adjustment button

Press this button to adjust the lumbar support forward and backward. After adjusting to the proper position, release the button.

2. Lumbar support up/down adjustment button

Press this button to adjust the lumbar support up and down. After adjusting to the proper position, release the button.

3. Seat fore-and-aft and height adjustment buttons

Gently push the entire button back and forth to adjust the seat forward and backward, and gently push the rear of the button up and down to adjust the seat up and down. After adjusting to the proper position, release the button.

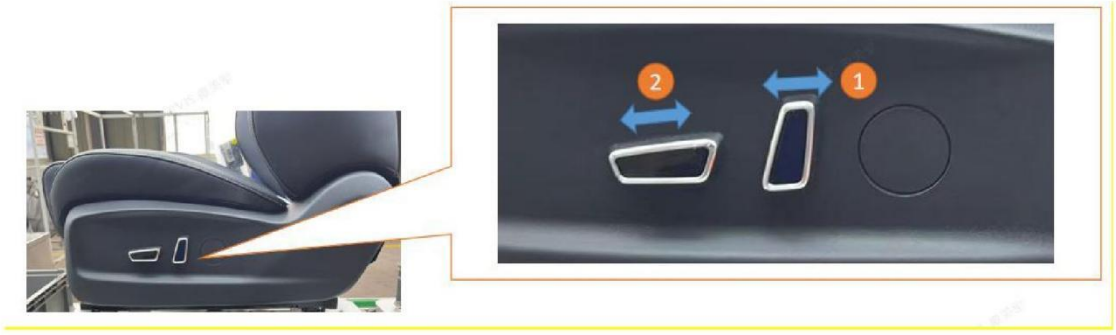
4. Backrest angle adjustment button

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

5. Massage function adjustment button

Press this button to switch between lumbar support adjustment and massage adjustment. When switching to the massage function, press the 1 button to adjust the massage intensity, and press the 2 button to select different massage modes (see Chapter VI Infotainment System for seat settings for intensity and mode).

Electric adjustment of front passenger seat*



1. Backrest angle adjustment button

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

2. Seat fore-and-aft adjustment button

Gently push the entire button back and forth to adjust the seat back and forth. After adjusting to the proper position, release the button.

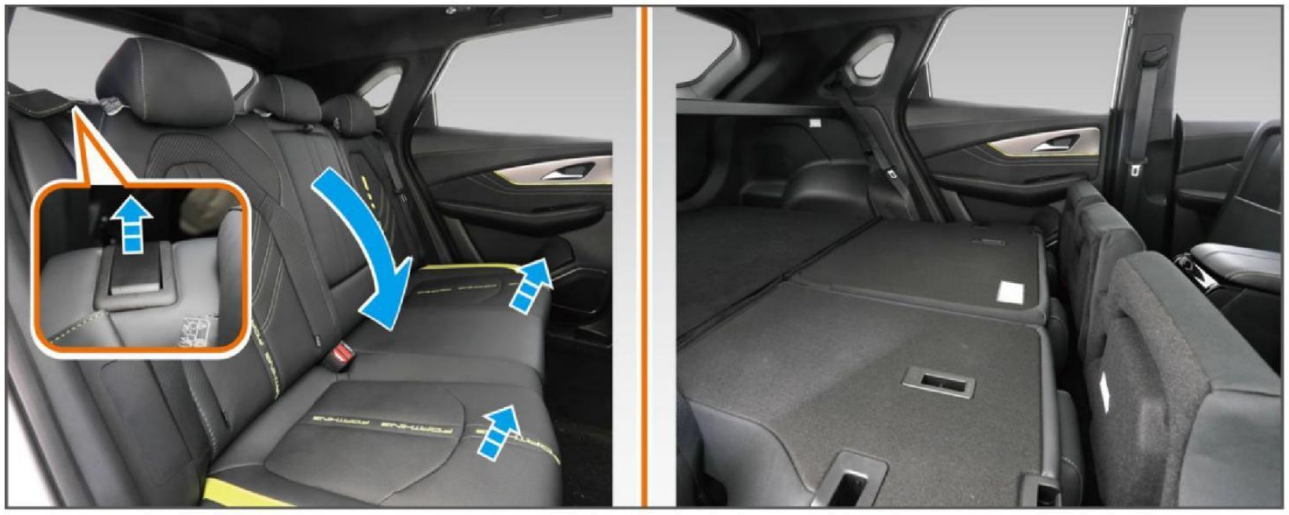
Caution

- 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.

Rear seat

Rear seat backrest adjustment and flattening



1. Pull the rear seat folding strap to adjust the seat backrest angle. Keep pulling the strap to push the backrest from back to front to lay the seat flat.

Reset of rear seat

1. Reset the rear seat from the front of the seat: lift the seat backrest directly until it is locked.
2. Reset the rear seat from the rear of the seat: pull the seat back strap to pull up the backrest until it is locked.

Warning

- 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 backrest 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 display

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

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.

Caution

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

Seat memory*

The front seats of some models have a memory function. For details, please refer to the section "User Personalized Memory" in Chapter VI "Infotainment System".

Headrest adjustment

Front seats

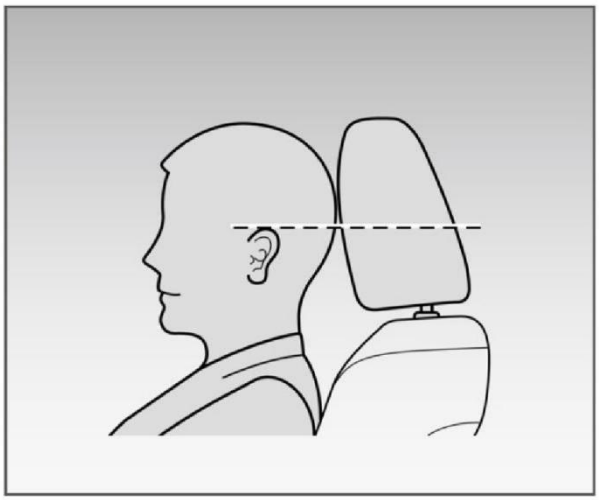
The front seat headrest is integral and non-adjustable.

Rear seat

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.

Height of headrest



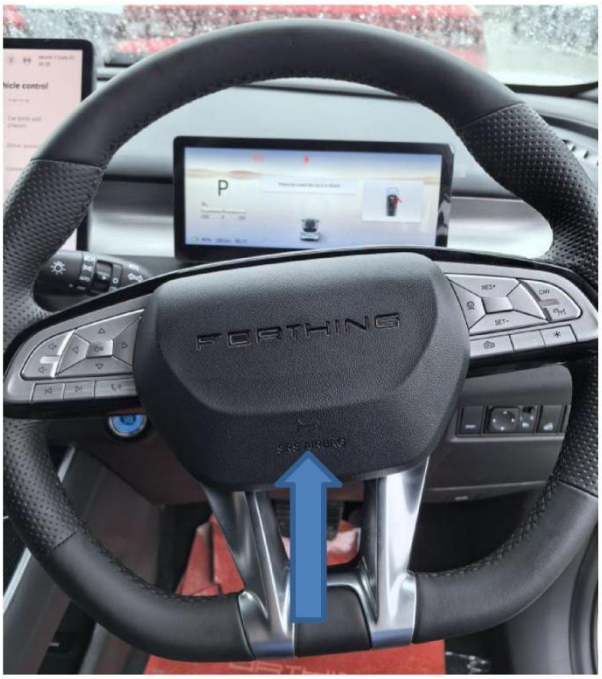
When adjusting the headrest, make sure that the center of the headrest is flush with the upper part of the ear so that the headrest can provide maximum protection.

Steering wheel

Steering wheel adjustment

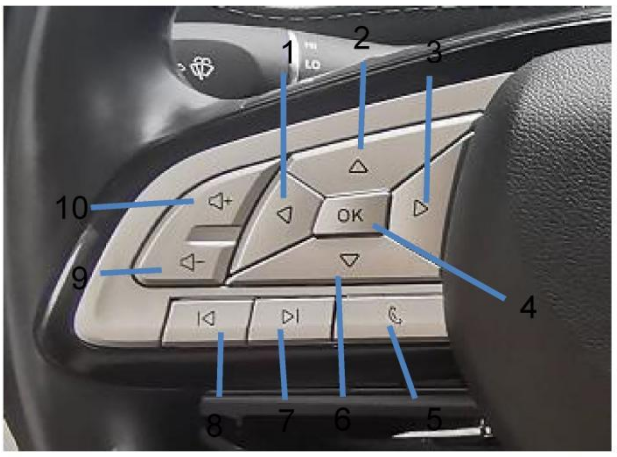
Hold the steering wheel with one hand and pull down the adjusting handle with the other hand. Then move the steering wheel horizontally and vertically to adjust it to the ideal position. After the adjustment, pull up the adjusting handle and confirm that it is locked in place.

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 left button



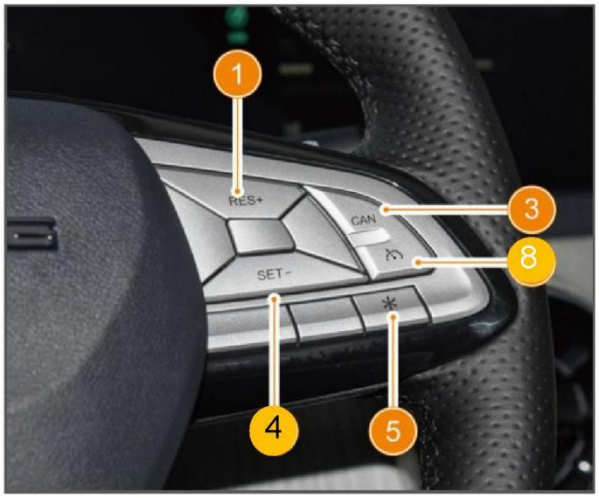
1. Left button
2. Up button
3. Right button
4. OK button
5. Bluetooth call/voice wake-up button
6. Down button
7. Forward button
8. Backward button
9. Volume down button
10. Volume up button

Steering wheel right button

Type I

Type II

Type III



1. Cruise reset/acceleration button
2. ACC pause button
3. ACC button
4. Vehicle speed setting/deceleration button
5. Custom button
6. AVM button
7. Distance adjustment button
8. Cruise control 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

Manual dimming 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.

Warning

Do not adjust the rearview mirror position during driving. Otherwise, accidents may be caused due to misoperation, resulting in serious injury or even death.

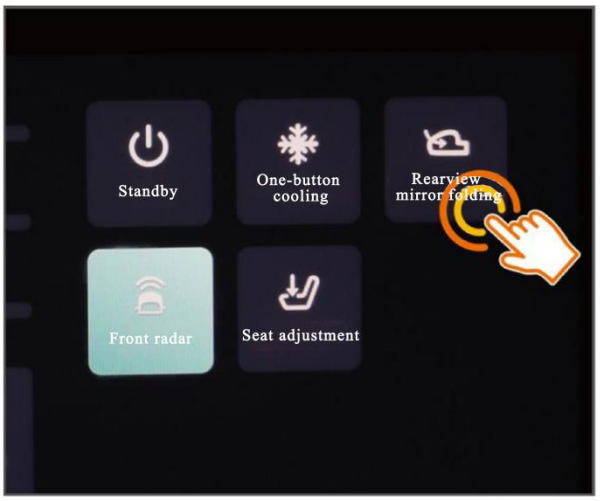
Outside rearview mirror

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 drop-down bar shortcut menu can be called by swiping down at the top of the display. Click [Rearview Mirror Folding] to fold or unfold the outside rearview mirror.

Automatic folding and unfolding outside rearview mirror

Click [Settings]-[Vehicle]-[Accessories] in the display, and select to enable the [Automatic Folding of Outside Rearview Mirrors] function. When the START/STOP button is set to "OFF" position and the four doors are closed, press the locking or unlocking button on the smart key to realize automatic folding or unfolding of the outside rearview mirror.

Outside rearview mirror memory*

Some models are equipped with outside rearview mirror memory function. For details, please refer to the section "User Personalized Memory" in Chapter VI "Infotainment System".

Automatic outside rearview mirror tilt-down during reversing*

Click [Settings]-[Vehicle]-[Accessories] in the display to turn on the [Downward Turning of the Reverse Rearview Mirror] function. When the vehicle reverses, the outside rearview mirror can automatically turn down to a certain angle to facilitate the driver to check the road conditions.

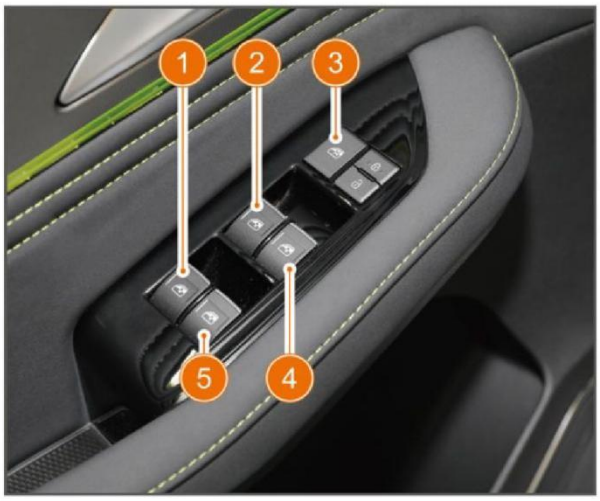
Heating and defrosting of the outside rearview mirror

When the START/STOP button is in the "ON" position, press the rear windshield defrosting button on the A/C control panel to turn on or off the defrosting function, which can remove fog, frost and thin ice on the 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, and 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

When the START/STOP button is in the "OFF" position and the vehicle door is closed, press and hold the unlocking button on the smart key, the four windows will be lowered at the same time until they are fully opened. Press and hold the lock button on the smart key, the four windows will be raised at the same time until they are fully 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.

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

When the START/STOP button is placed in the "ON" position or within about 60s after the power supply is turned off.

Window initialization

1. When the vehicle battery is disconnected, short of power, and recharged.

2. After the door control module flashes the software.

3. When the window mechanism is replaced, such as the replacement of the regulator, sealing strip, glass, belt weatherstrip, guide groove and other parts and components that affect the window lifting stroke.

4. When the door guard and door control module are replaced. The power window with anti-pinch function needs to be initialized and learned so that it can be used normally.

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. 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.

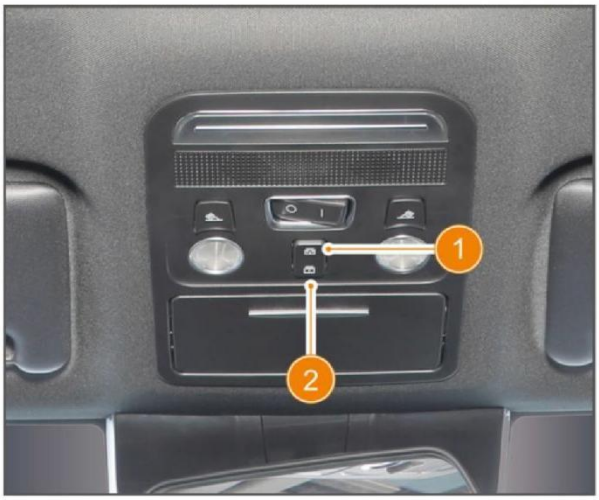
Caution

- 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.

Sunroof

Panoramic sunroof

The panoramic sunroof adopts integral glass and cannot be opened. Some models have a panoramic sunroof with a starry sky pattern.



1. Sunshade opening button

2. Sunshade closing button

Sunshade on/off

When it is necessary to improve the interior light, the sunroof shade can be opened. When the START/STOP button is set to "ON" position, the sunshade is in the closed state. Press the sunshade opening switch to open the sunroof shade to the full opening state with one button. Click the sunshade closing button to close the sunroof shade to the closed state with one click.

During the one-touch opening/closing of the sunshade, press the sunshade operating switch again, and the sunshade will stop at the current position.

Sunshade remote control closing function

In the closed state of the power supply, the sunshade cannot be operated. If the sunshade is found to be in the open state at this time, the sunshade can be closed through the smart key.

If [Short Press] is selected for [Remote Control Window Closing Setting] on the display, press the lock button on the smart key, and the sunshade will be automatically closed.

If [Long Press] is selected for [Remote Control Window Closing Setting] on the display, the sunshade will not be automatically closed until the lock button on the smart key is pressed for more than 3 s.

Sunshade anti-pinch protection function

When the sunshade encounters abnormal resistance or obstacle during automatic closing, the sunshade will automatically stop and return for a certain distance to prevent personal injury.

Sunshade thermal protection

In order to prevent the sunshade motor from overheating and causing abnormal function, after the sunshade is operated continuously for 120 s (under normal resistance), the sunshade will turn on the thermal protection function. At this time, the sunshade cannot be operated temporarily, and the sunshade can be operated again after the motor cools down for about 40 s. Since the motor has not returned to room temperature, if the sunshade is continuously operated at this time, the sunshade will turn on the thermal protection function for the second time, and the sunshade will not move until 120s later.

Initialization

When the sunshade cannot be closed in place, it can be restored by the following operations:

1. Press and hold the sunshade closing button continuously. When the sunshade touches the front stop point and retracts, release the button, and the sunshade position initialization is completed.

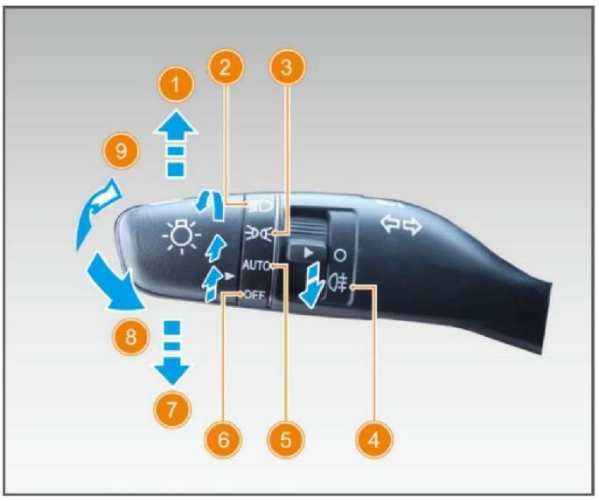
2. Release the button and press and hold the sunshade OFF button for about 4 s within 4 s. The sunshade will open for a short period of time and then automatically reverse to the fully closed position (the switch is not allowed to be released during the process). Release the sunshade button this time, and the sunshade initialization is completed.

Warning

When operating the sunshade, make sure that no part of the body is pinched.

Light

Exterior light



1. Right turn signal lamp
2. Low beam
3. Position lamp
4. Rear fog lamp
5. Auto light
6. The headlamp is in off state
7. Left turn signal lamp
8. High beam flashing
9. High beam

Turn signal lamp switch

Toggle the light control handle up or down, the right or left turn signal lamp flashes. After the steering is completed, the handle returns to its original position and the turn signal lamp turns off.

High/low beam switching

When the low beam is turned on, push the light control handle forward to the limit position, and the high beam is turned on; Move it backward to turn off the high beam.

Position lamp

When the light switch is in ATUO position and the system detects that the ambient light intensity is dark, press the smart key unlocking button to unlock the door, and the position lamp will automatically light up; The position lamp goes out after locking, vehicle starting or sleeping.

Fog lamp switch

When low beam is on, turn the adjustment ring to make ▶point to rear fog lamp, and rear fog lamp will turn on; Turn the adjustment ring again so that ▶points to O and rear fog lamp is turned off.

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.

Automatic lighting

When you turn the adjustment ring ▶ to AUTO, headlamp and other exterior lamps will be automatically turned on or off according to the ambient brightness.

Follow Me Home

Within 5 minutes after the vehicle is turned off, pull the light control handle 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.

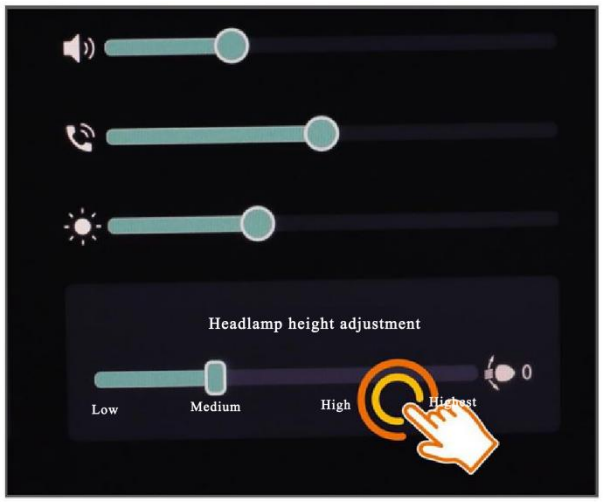
Headlamp height adjustment

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

The specific methods are as follows:

1. When the START/STOP button is set to "ON" position, turn on the headlamp.

2. The drop-down bar shortcut menu can be called up by swiping down at the top of the display, and the headlamp height adjustment can be seen.



3. The left and right sliding control balls can adjust the height of the vehicle headlamp, with four positions.

Courtesy lamp

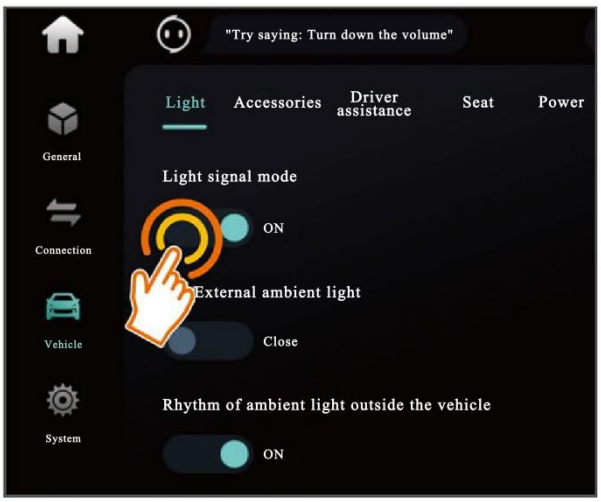
The courtesy lamp is located under the outside rearview mirror of the vehicle. It is used to illuminate the ground at night. When the door is opened, the courtesy lamp will light up; When the vehicle power supply is turned off and the door is pushed open, the courtesy lamp will come on, and when the door is closed, the courtesy lamp will go out.

Exterior ambient light

The ambient light outside the vehicle in combination with the light language mode can create the night atmosphere outside the vehicle and assist in lighting.

You can click [Settings] - [Vehicle] - [Light] - [Exterior Ambient Light] on the display to turn on/off the function.

Light signal mode

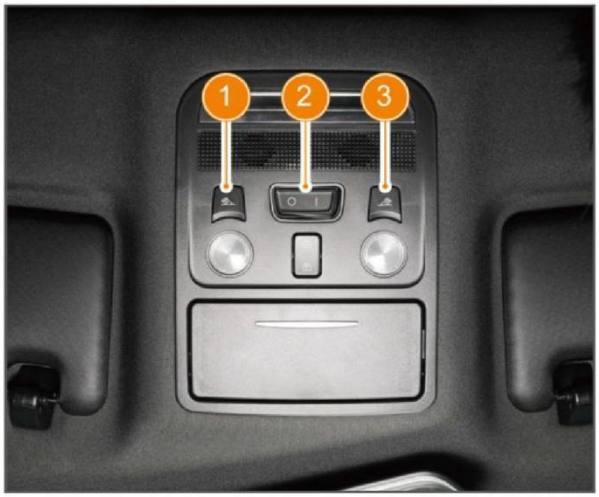


Click [Settings] - [Vehicle] - [Light] - [Light Language Mode] on the display to turn on or off the light language function.

After the function is turned on, the external light of the vehicle can flash or stay on according to different scenes, including: unlock welcome, door opening warning, lock welcome, parking mode, charging indication, reverse mode and music rhythm.

Interior light

Front interior lamp



1. Left front interior lamp switch
2. Door control switch
3. Right front interior lamp switch

Door control switch operation

When the door control switch "O" is pressed, the door control function is turned off.

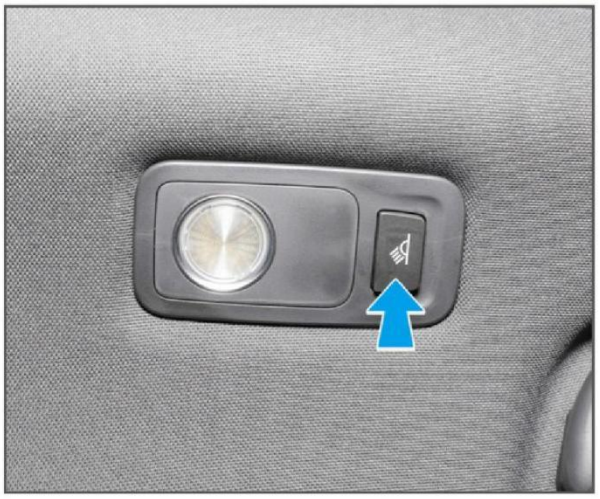
When the door control switch "I" is pressed, all interior lamps will be on.

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

Interior lamp switch

When the door control switch is parallel to the panel or the "O" button is pressed, the interior lamp is controlled by the corresponding interior lamp switch, which will be on when pressed and off when popped up.

Rear interior lamp



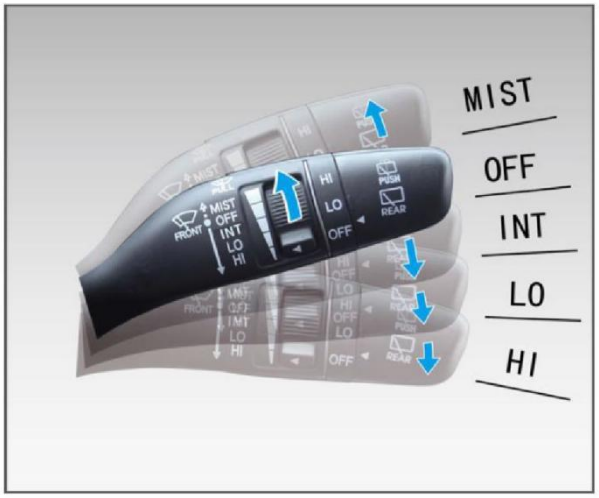
The rear interior lamp is located below the rear handle. When the door switch is parallel to the panel or the "O" button is pressed, the rear interior lamp will be turned on or off by the rear interior lamp switch.

Trunk lamp

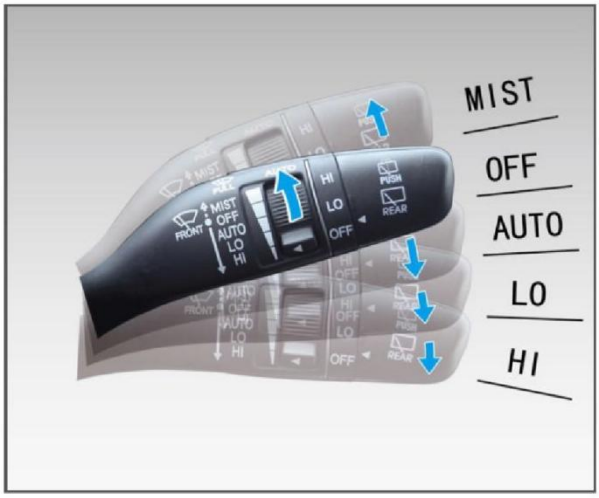
When the liftgate is opened, the trunk lamp will automatically light up. It goes out automatically after the liftgate is closed.

Wiper

Front manual wiper



Front automatic wiper*



MIST: Jog mode. Pull up the wiper control handle, and the wiper will wipe once. After releasing the handle, it will automatically return to its original position.

OFF: The wiper is turned off. When the wiper control handle is in OFF position, the wiper stops wiping. This position is the default position.

INT: Intermittent wiping. Toggle the wiper control handle downward to the INT position, the wiper will wipe intermittently, and the adjustment ring can be used to adjust the intermittent time. From top to bottom, the intermittent time gradually decreases and the wiping speed gradually increases.

AUTO*: Automatic wiping. Toggle the wiper control handle downward to AUTO position, the wiper will automatically wipe, and the adjusting ring can be used to adjust the sensitivity. From top to bottom, the sensitivity gradually increases and the wiping speed gradually increases.

LO: Low speed wiping. Toggle the wiper control handle down to LO position for low-speed continuous wiping.

HI: High speed wiping. Toggle the wiper control handle down to HI position for high-speed continuous wiping.

Caution

When the wiper control handle is toggled to AUTO position and the automatic wiping function of the wiper is turned on, the wiper may produce wiping 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
- example, it follows a large vehicle or passes through construction sections

Caution

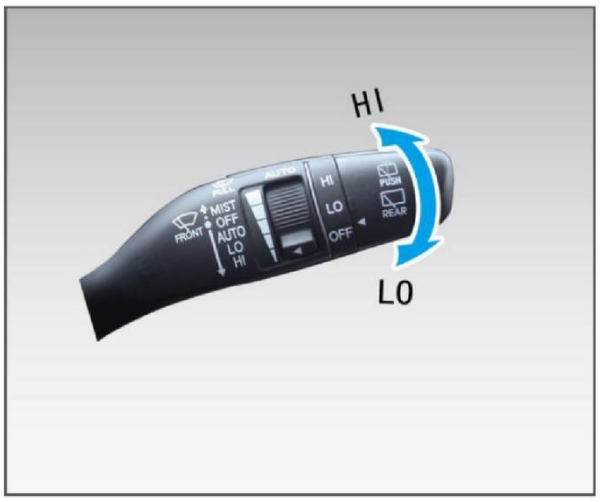
The following conditions may cause the automatic wiping function to fail:

- Foreign matters are attached to the surface of sensor.
- Installation or connection of other electronic equipment will also affect the function of this system during use.

Front windshield washing

Pull the wiper control handle back and hold it. The front windshield washer starts to spray water, and the front wiper starts to wipe at low speed. Release the wiper control handle to stop spraying water and wiping.

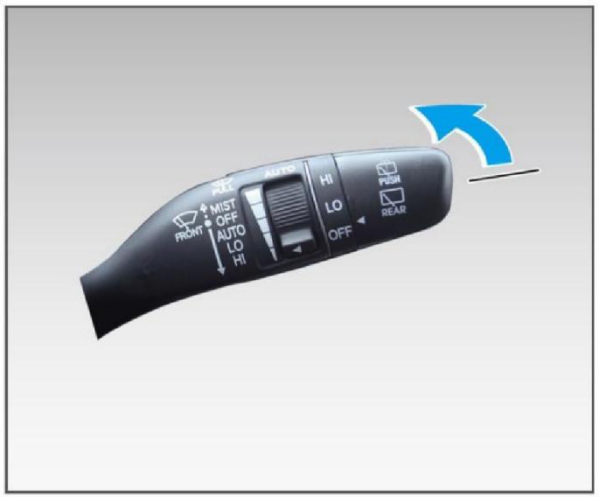
Rear wiper



HI: Rear wiper wipes at high speed. Turn the rear end of the wiper control handle to HI position, and the rear wiper wipes at high speed.

LO: Rear wiper wipes at low speed. Turn the rear end of the wiper control handle to LO position, and the rear wiper wipes at low speed.

Rear windshield washer



Push the wiper control handle forward and hold it. The rear windshield washer starts to spray water, and the rear wiper performs low-speed wiping. Release the wiper control handle to stop spraying water and wiping.

USB port

The USB port can only work when the START/STOP button is in "ON" position or "ACC" position. This interface can be used for charging the mobile phone.

Front USB port of dashboard

The front USB port is located in the glove box of the instrument panel.

Lower USB port of console

The lower USB port is located in the storage compartment under the console.

Rear USB port of console

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

Caution

- When USB port is not in use, keep the dust cover closed.
- Do not insert metal foreign matters into the interface to avoid short circuit and fire.
- 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.
- 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.

Console front power outlet

The front 12 V power outlet is located in the storage compartment under the console.

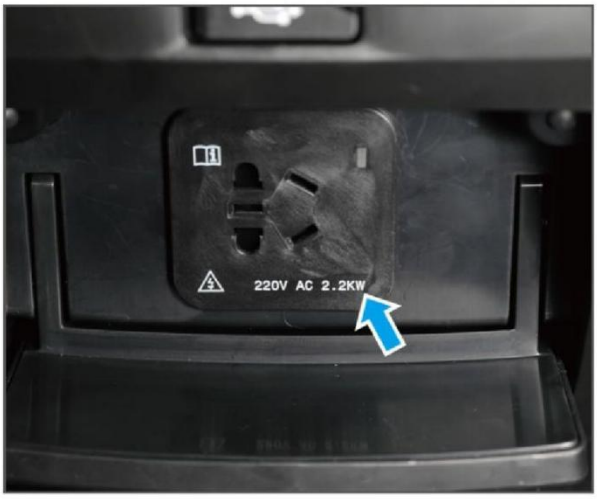
Caution

- When USB port and power outlet are not in use, keep the dust covers closed.
- The maximum output power of 12 V power outlet is 120 W. Do not insert high-power electrical appliances to avoid fire.
- Do not allow children to use or touch the 12V/220V power outlet. Do not insert metal foreign matters into the power outlet interface to avoid short circuit and fire.
- The 12V power outlet is only used for power supply. Please do not insert cigarette lighter into the 12V power outlet socket to avoid fire caused by short circuit.

12 V power outlet

The 12 V power outlet can only work when the START/STOP button is in "ON" or "ACC" position.

220 V power outlet



Deactivation

1. Set the START/STOP button to "ON" position, and the instrument cluster displays READY.

2. Insert the plug of the electrical equipment into the 220 V power outlet socket to use electricity normally.

Deactivation

If you want to stop using it, just pull out the plug of the electrical equipment.

Warning

- Do not touch the 220V power outlet socket with your hands.
- Do not store or use discharge equipment in places with water or near heat sources.
- When the 220V power outlet function is used, the total electrical power should not exceed 2.2kw, otherwise it may cause safety accidents.

Wireless charging

The wireless charging device is located at the front of the 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, and ensure that there are no metal foreign matters around the mobile phone and in the charging area. When the START/STOP button is set to "ON"/in the READY state, place the portable charging equipment to be charged in the middle of the charging area (do not block the wireless charging air outlet), 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 wireless charging device can only support one portable charging equipment for charging at a time.
- The portable device to be charged, whether the device itself or the external wireless charging case, must comply with the national wireless charging standard.
- When using wireless charging, make sure there are no metal foreign matters around mobile phone and in the wireless charging area to avoid overheating and melting.
- When using wireless charging, charging will stop for a short time when you open door, and then charging will resume automatically. This is normal.

EDR*

Insertion and removal of memory card

The EDR memory card slot is located on the left side of the EDR. Please confirm whether there is a memory card in the slot before using it for the first time.

Pry the plug cap on the left side of the EDR with a slotted screwdriver to see the rubber plug of the memory slot. Pull out the rubber plug to insert and remove the memory card. Please keep the text mark of the memory card facing up when inserting the card. After inserting the card, reinstall the rubber plug and fasten the plug cap.

It is recommended that the new card be formatted in the settings of EDR in the "AI Forthing" APP. EDR supports 8 G ~ 64 G memory, and the memory card rate level is required to be Class10 or above.

Operation of EDR

ON

When the START/STOP button is set to "ACC" or "ON" position, the EDR starts to work and enters the video recording state.

Close

When the START/STOP button is switched from "ACC" or "ON" to "OFF", the EDR will be automatically turned off or turned off after a delay (the delay time can be selected in the settings menu).

Status display of EDR

The EDR recording status can be viewed on the status bar of the display

The specific meanings are as follows:

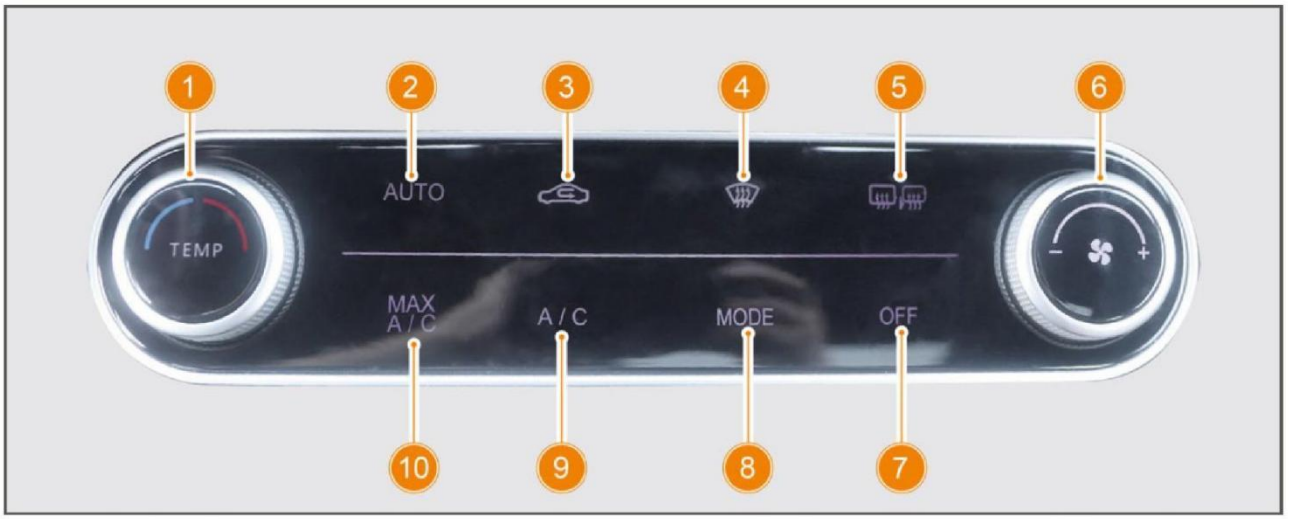
	EDR recording
	Abnormal EDR
	Abnormal memory card
	Memory card full

Note: The original vehicle does not have an SD card, which needs to be purchased by the customer.

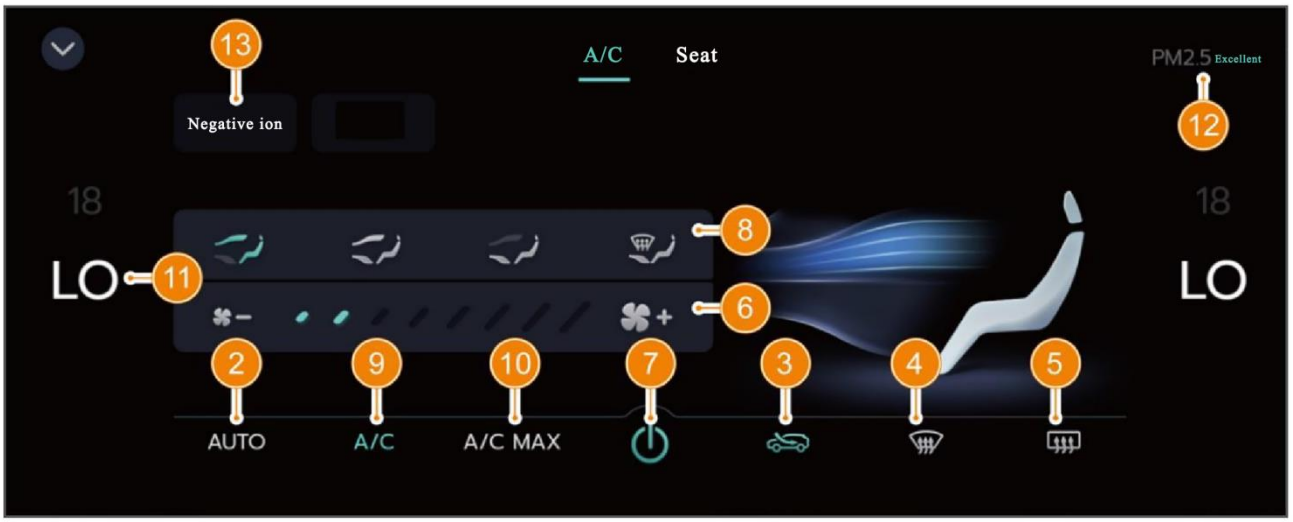
A/C system

Automatic A/C

Front A/C touch panel



Display operation interface



Functional description

1. Temperature adjustment knob: Rotate this knob to adjust the interior temperature.

2. AUTO button: Press this button to switch the A/C system from non-automatic state to fully automatic state, and the A/C system will automatically adjust the temperature inside the vehicle.

3. Recirculation/fresh air mode switching button: When passing through an area with more smoke and dust, you can press this button to circulate the air in the vehicle, and press this button again to return to the fresh air mode.

4. Front defrosting button: Press this 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.

5. Rear defrosting button: Press this button to turn on or off the defrosting function of the rear windshield / outside rearview mirror. 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.

6. Air volume adjustment knob: Rotate this knob to adjust the air volume of the air outlet. At the same time, the current air volume will be displayed on the display.

7. A/C system (OFF) button: Press this button to turn on or off the A/C system.

8. Air outlet mode adjustment (MODE) button: Press this button to select the air outlet mode, and the selected mode will be displayed on the display. Minute

Including: panel, panel/floor, floor, and floor/defrosting modes.

9. A/C button: Press this button to turn on or off the A/C cooling.

10. A/C MAX button: Press this button to enter the maximum cooling mode, with the maximum air volume and the lowest temperature.

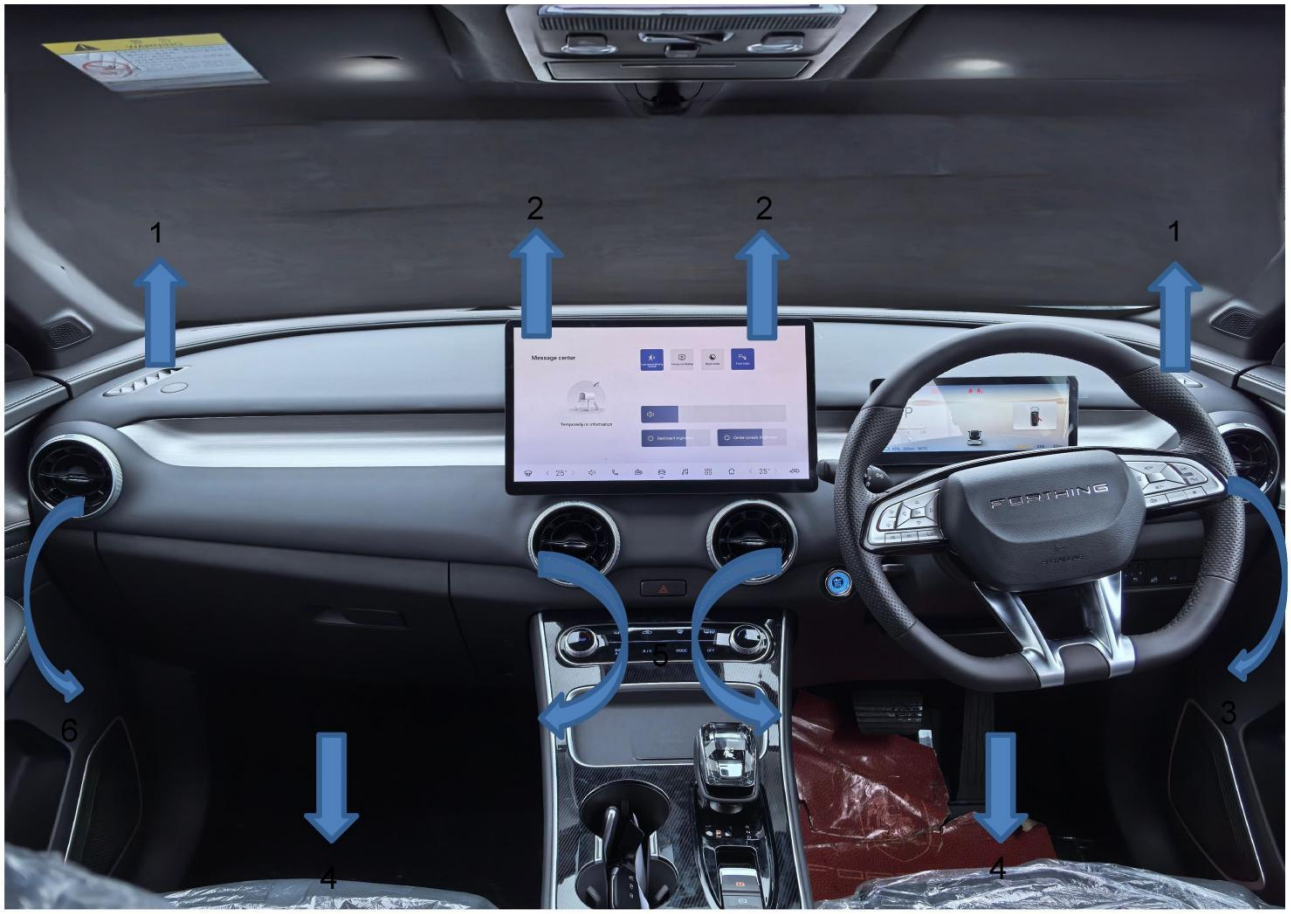
11. A/C temperature adjustment: Slide up and down to adjust the temperature in the vehicle.

12. PM2.5 level display*: PM2.5 level can be monitored and displayed for some models.

13. Negative ion button*: Negative ion purification function can be turned on or off for some models.

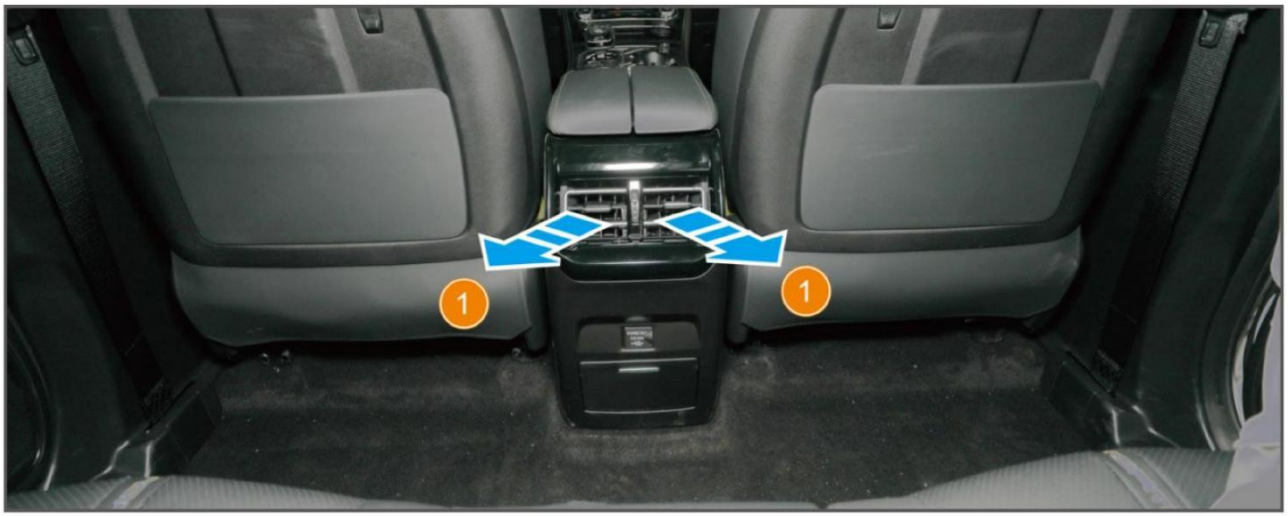
Air outlet position

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

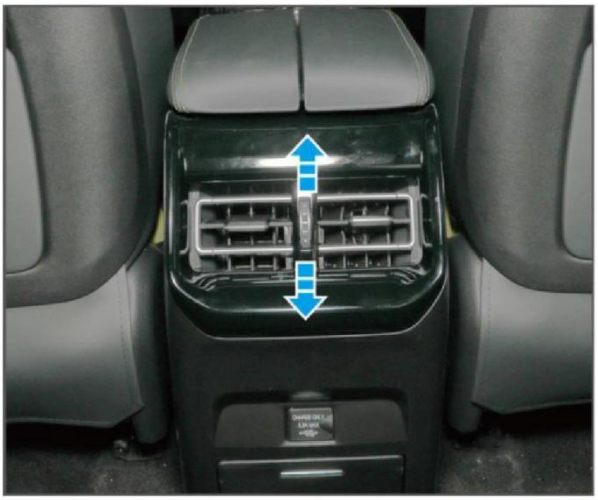
Rear air outlet



1. Middle air outlet

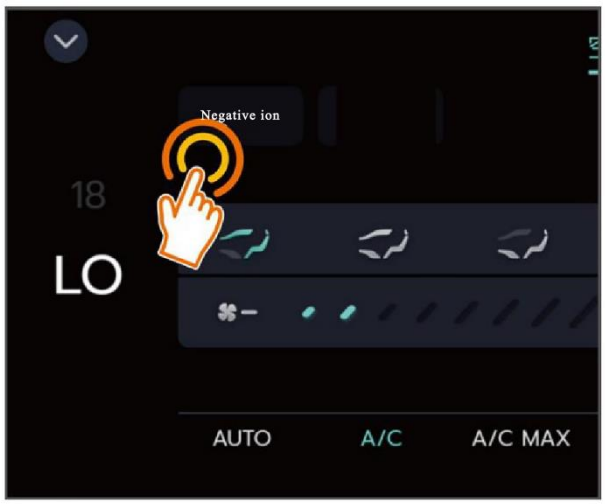
Adjustment of air flow and direction

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 middle 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.

Air purification system*

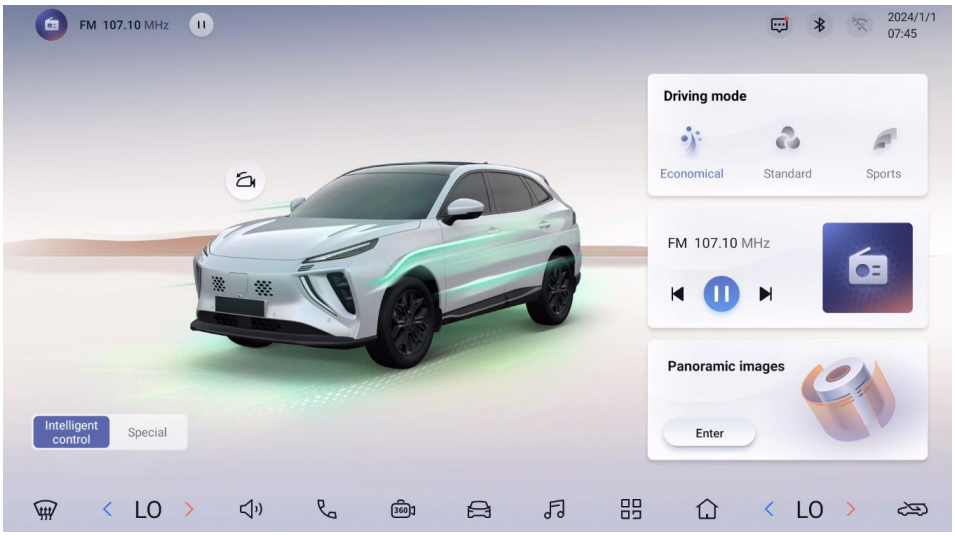


The air purification system can quickly reduce harmful chemical gases, dust, bacteria and volatile organic compounds in the air, reduce odors, and improve the air quality in the vehicle. At the same time, the air purification system can detect the air quality and display the air quality through the display, so as to achieve the best air purification effect.

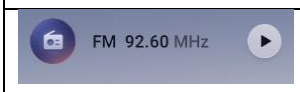
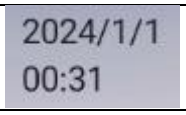
Notice to Users

1. Proprietary equipment and accessories are integrated according to different models. Your vehicle configuration may be slightly different from the description in these operating instructions. Please refer to the actual vehicle.
2. After reaching a certain vehicle speed, some functions of the A/V system may not appear on the screen. This is not a malfunction, but to comply with the corresponding regulations of the country or region.
3. There will be a response time of a few seconds for complex operations of the A/V system, so please be patient. Disorderly operations will lead to slow processing in the background.
4. The driver must comply with relevant traffic regulations when using this A/V system. Please park the vehicle in a safe place for operations, such as inputting and changing destinations.
5. Before using this A/V system, please read all relevant instructions carefully. If the instructions are not followed, the warranty will not be applicable for any damage caused.
6. To avoid short circuit, do not allow the device to come into contact with water. Do not place or leave any metallic substance in the unit.
7. Do not open this device for maintenance by yourself. If maintenance is required, please contact the Forthing authorized service station.
8. When the engine is shut down, do not use this entertainment system for a long time, otherwise the power in the battery will be exhausted.
9. Do not touch, rub or knock the screen with sharp objects.
10. This infotainment system assembly uses built-in navigation antenna and network. Do not stick metal film on the front windshield, otherwise the navigation function positioning will fail and the network function will fail.
11. In remote areas, mountainous areas, tunnels, underground parking lots and other areas that affect the navigation/network signal strength, there is a problem of weak navigation or network signal. If you leave these areas, the navigation or network signal will be restored automatically.

Homepage

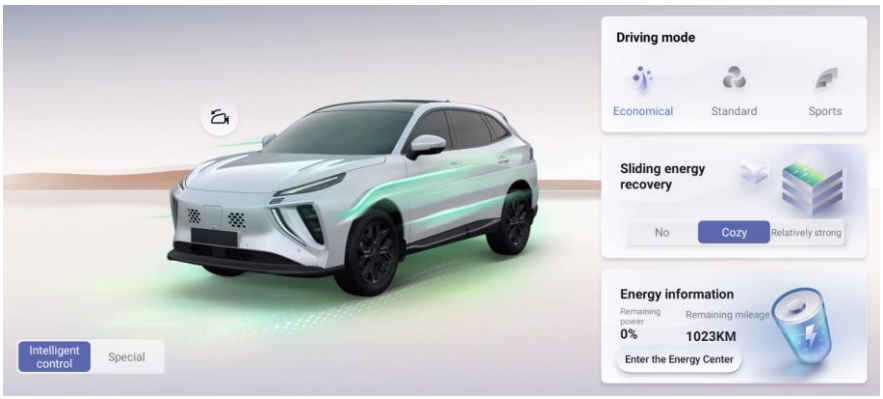


Top status bar

Icon	Description	Function description
	Smart recommendation area	Displays status and controls when multimedia or phone is active. Multimedia information includes media details and play/pause buttons; clicking the buttons controls media playback.
	Unread message notification	Displayed when there are unread messages.
	USB status notification	Only displayed when a USB drive is detected, showing two states: normal or abnormal (damaged/unreadable). Click the icon to enter the USB music interface.
	System mute notification	Not displayed when not muted; appears when system volume is set to 0.
	Bluetooth status display	Includes three states: on (unconnected), on (connected), and off. Clicking the icon opens a Bluetooth quick-action popup with a toggle, list of connectable devices, and a "Go to Bluetooth settings" shortcut.
 or 	WiFi/hotspot status display	Shows WiFi icon when WiFi is on, hotspot icon when hotspot is active, and default WiFi-off icon when both are disabled.
	Date and time	Displays the current date and time.

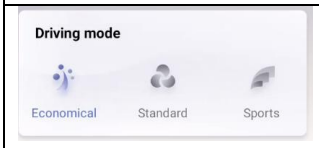
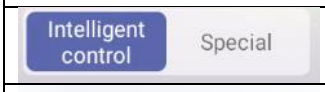
Scene and function interface display area

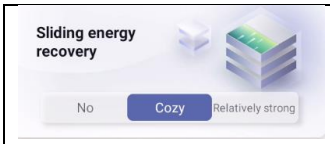
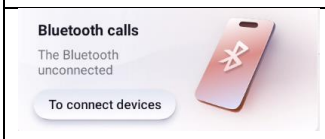
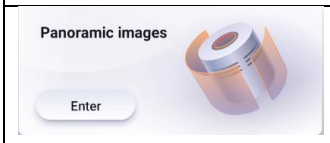
1. Intelligent control theme: With car model as the background, support driving mode switching, custom cards (multimedia controls, Bluetooth call and other functions).



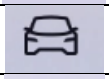
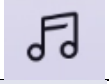
2. Exclusive theme: custom wallpaper, support driving mode switching, custom cards (music card, Bluetooth call and other functions).

3. Icon

Icon	Description	Function description
	Driving mode switch	Click to switch driving modes
	Rearview mirror fold switch (Non-standard)	Click to fold/unfold rearview mirrors; not displayed if not configured.
	Theme switch	Click to switch themes
	Music card	Click the control to manage multimedia; Click other areas to enter the respective audio source interface; Long-press the card to activate custom settings.
	Energy information card	Click to enter the energy center; Long-press the card to activate custom settings.

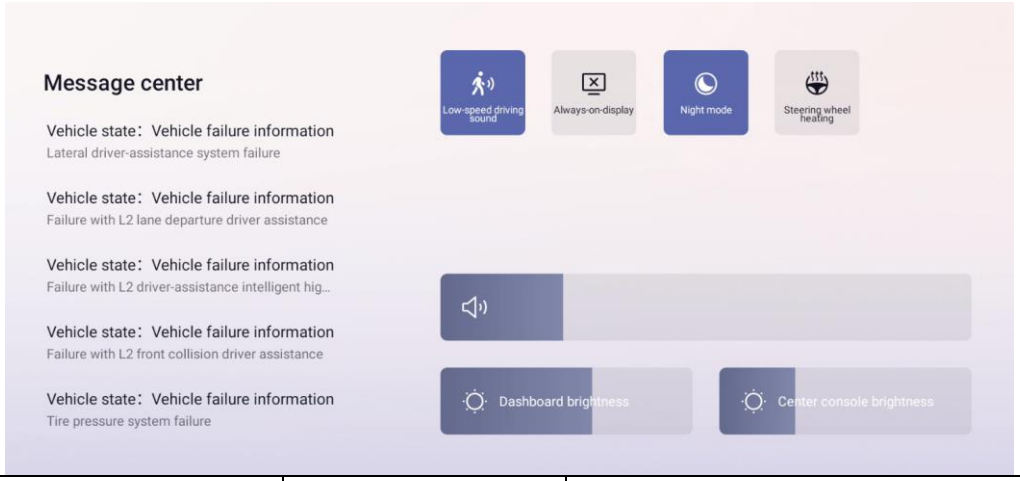
	Card of energy recovery during coasting	Click the button to switch recovery levels; Click ick other areas to enter Vehicle control - Quick control interface; Long-press the card to activate custom settings.
	Bluetooth call card	If Bluetooth is not connected, click to enter the Bluetooth setting interface; If Bluetooth is connected, click to enter the recent calls interface; Long-press the card to activate custom settings.
	AVM card (Non-standard)	Click to enter the AVM interface. If there is no AVM function, the card will not be displayed; Long-press the card to activate custom settings.

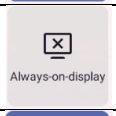
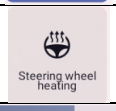
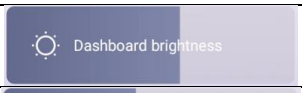
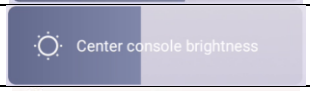
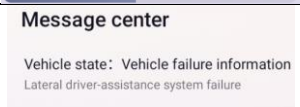
Bottom navigation bar

Icon	Description	Function description
	Front defroster switch	Click to turn the front defroster on or off
	A/C temperature display	The display status matches the A/C interface, with both sides synchronized. Click the < or > button to decrease or increase the A/C temperature in 1° C increments. Click the A/C temperature value or swipe up on the quick temperature control area to open the A/C control interface.
	Volume quick control	Click the volume icon to pop up the quick volume adjustment window, where you can adjust the system volume and Bluetooth call volume.
	Bluetooth Phone	If Bluetooth is not connected, click to enter the Bluetooth setting interface; If Bluetooth is connected, click to enter the recent calls interface;
	AVM (non-standard)	Click to enter the AVM interface
	Vehicle control	Click to enter the vehicle control interface
	Local media	Click to enter the local media interface
	App Center	Click to enter the App Center interface; In the App Center interface, long-press an app icon, drag it to the original function button or app entry icon position in the quick control area (the original icon will be highlighted), and release to complete the icon replacement. The highlight in the quick control area will then disappear.
	Homepage	Click to return to the homepage

		Recirculation/fresh air mode switch	Click to toggle the air recirculation status

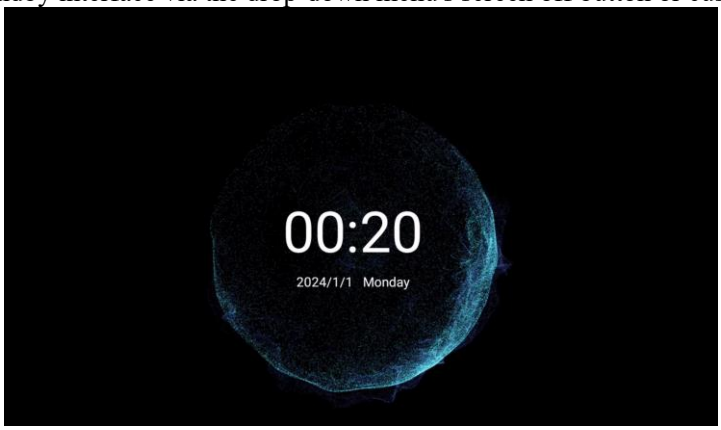
Drop-down shortcut menu



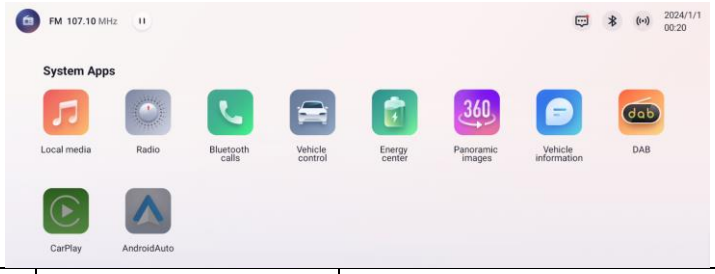
Icon	Description	Function description
	AVAS switch	Click to turn on/off low-speed driving sound
	Screen-off switch	Click to enter the screen-off interface
	Front radar alarm switch (Non-standard)	Click to turn on/off front radar alarm
	Steering wheel heating switch (Non-standard)	Click to turn on/off steering wheel heating
	System volume adjustment	Click to adjust system volume
	ICE brightness adjustment	Click to adjust instrument screen brightness
	ICE brightness adjustment	Click to adjust ICE brightness
	Message Center	Displays vehicle status information

Screen off/standby interface

Access the screen off/standby interface via the drop-down menu's screen off button or custom controls



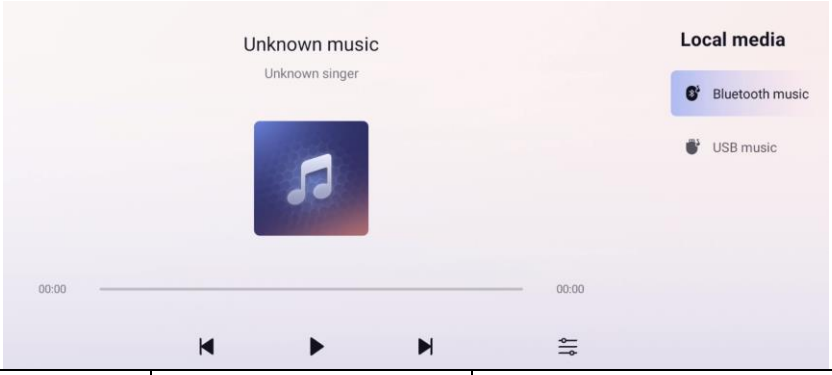
App Center



Icon	Description	Function description
	Local media	Click to enter the local media interface
	Radio	Click to enter the radio interface
	Bluetooth Phone	Click to enter the Bluetooth phone interface
	Vehicle settings	Click to enter the vehicle setting interface
	Energy Center	Click to enter the energy center interface
	AVM (non-standard)	Click to enter the AVM interface (not displayed if not configured)
	Vehicle information	Click to enter the vehicle information interface
	DAB	Click to enter the DAB interface
	CarPlay	When CarPlay is connected, click to enter CarPlay
	AndroidAuto	When Android Auto is connected, click to enter Android Auto

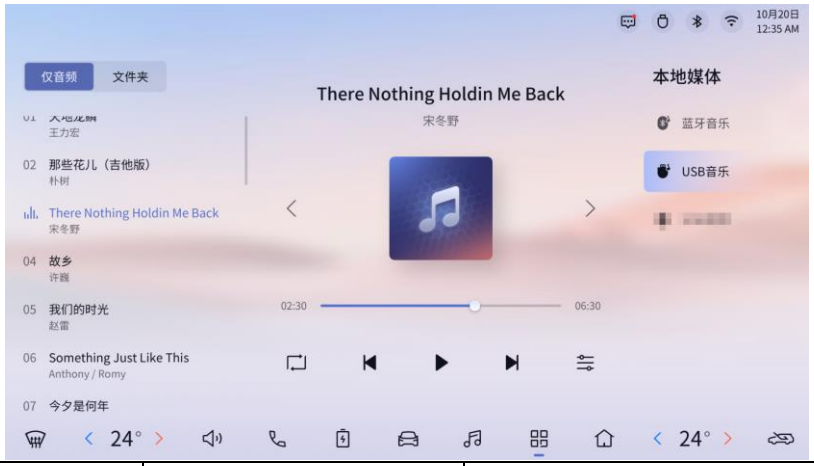
Local media

Bluetooth music



Icon	Description	Function description
	Previous track	/
/	Play/Pause	/
	Next track	/
	Sound effect settings	Click to open the sound effect setting interface

USB music



Icon	Description	Function description
	Previous track	/
/	Play/Pause	/
	Next track	/
	Sound effect settings	Click to open the sound effect setting interface
	Circulation mode	Click to switch the cycle mode

Radio

FM/AM

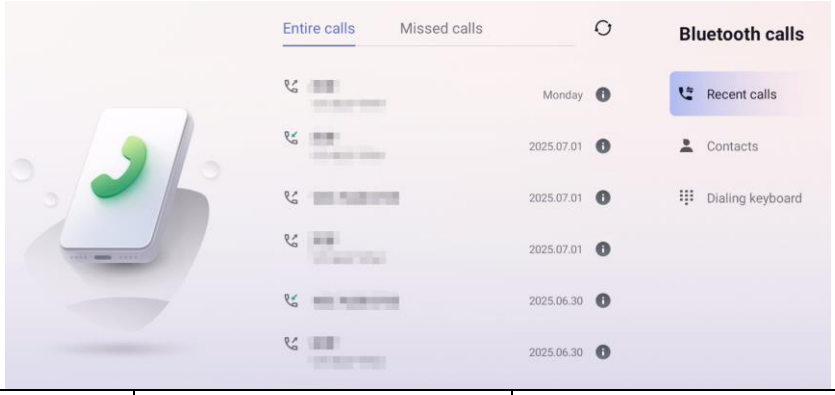
Icon	Description	Function description
	Previous track	/
/	Play/Pause	/
	Next track	/
	Favorite	/
	Search	/
	RDS settings (not available for AM)	Click to open the RDS settings interface
All To favorite	List	/

Bluetooth Phone

After the Bluetooth device is connected, the system prompts whether to synchronize contacts. Upon clicking "Confirm", the system sends a request to sync the address book and call history. If the mobile phone responds successfully, a loading animation appears in the contacts interface when entering the Bluetooth phone interface. Once synchronization is complete, the call history and address book are updated. If the mobile phone fails to respond, the call history and address book display empty. Automatic synchronization occurs when Bluetooth connects and after a phone call ends.
Clicking the "Sync Address Book" button prompts the system to ask whether to synchronize contacts. Upon clicking "Confirm", the system sends a request to sync the address book and call history.
When a Bluetooth device is connected but detected as a non-phone device (or a phone device with restricted call and address book sync permissions), the address book and call history display "Bluetooth device not connected", and the dial button is unresponsive. If the Bluetooth device is a phone but address book sync is restricted while call permissions are allowed, the HU displays "Contacts not synced", and the dial button remains functional.
During Bluetooth data synchronization, the left-side function buttons remain operable. Switching to other interfaces allows background synchronization. Synced address book and call history entries can still be clicked during synchronization, triggering background updates.

Recent calls

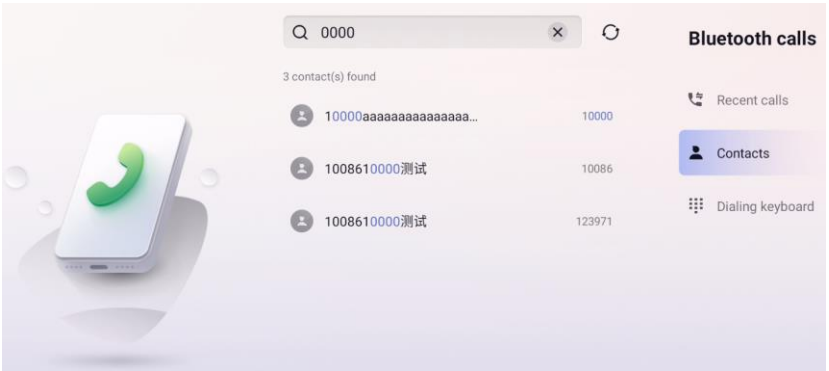
On the call history page, after syncing the mobile phone's address book, up to 99 call records are displayed chronologically under "Missed", "Received", and "Dialed" categories. Users can filter by clicking "All" or "Missed". The address book disappears automatically upon Bluetooth disconnection. Call records display the call type (Missed/Received/Dialed), name/phone number, date/time, and call count. If a number cannot be matched to a contact, it is hidden by default.



Icon	Description	Function description
	Synchronization	Click to synchronize contacts
	Contact details	Click to display contact details
Entire calls	Display all calls	Click to switch to all calls list
Missed calls	Display missed calls	Click to switch to missed calls list

Contact

Click the "Contacts" button under Bluetooth calling, and the contacts button will be highlighted, allowing you to enter the contacts page. After syncing with your phone's contacts, they will be arranged in A~Z# order. If a contact name cannot be distinguished by letters, it will be uniformly categorized under the # directory. For names with multiple pronunciations, they should be arranged according to the pronunciation of the surname (e.g., "Zeng" should be sorted by its pronunciation). The contact's name, phone number (if the contact number is empty, only the name will be displayed), and profile picture (a default image will be shown if none is available) will be displayed. Up to 5,000 contact entries can be stored. If the mobile phone's contact list exceeds 5,000 entries, the excess will not be imported. The contacts will automatically disappear after the Bluetooth connection is disconnected.

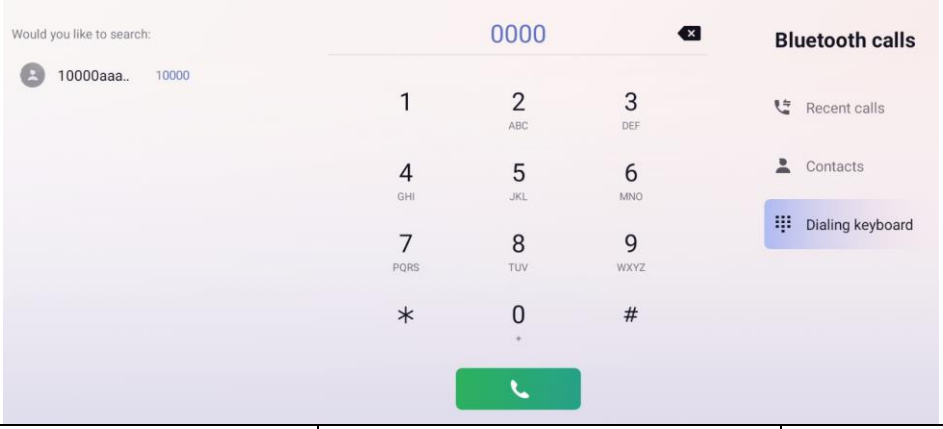


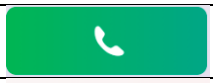
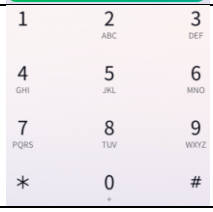
Icon	Description	Function description
	Synchronization	Click to synchronize contacts
Search	Search box	/

Dialing keyboard

After connecting via Bluetooth, tap the "Dial Pad" in the Bluetooth call interface to enter the dialing screen, which displays the dialed number, associated contacts, and the dial pad. In the dial pad, a short press on the delete button removes a single character, while a long press deletes all characters. The display box supports up to 30 characters; exceeding this limit will not register further input. If the entered characters exceed the display box length, the preceding characters will be hidden. On the right side of the dialing interface, the system performs a search based on the content in the dialed number box on the left, executing either a numeric or pinyin search. Numbers starting with 0 or 1 trigger a numeric search, while others initiate a pinyin search. The search results are displayed as follows: profile picture (system default) + name + phone number (only the phone number is displayed if no name is available).

The name and phone number are shown in two separate rows. If a line exceeds the display box length, an ellipsis (...) is appended at the end. Recognized Chinese characters or numbers are highlighted. Search results are sorted by relevance in descending order, with the search limited to the contacts database. If the dialed number box is empty or no matching results are found in the database, a default illustration is displayed.



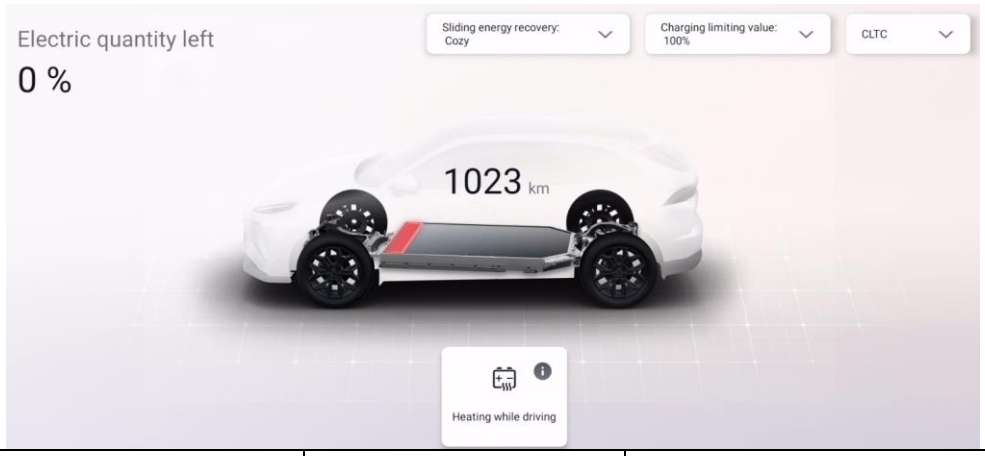
Icon	Description	Function description
	Make a call	/
	Dialing keyboard	/

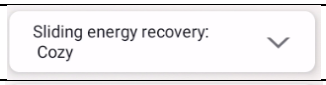
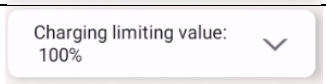
Energy Center

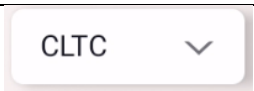
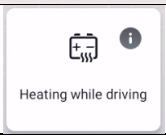
The Energy Center primarily displays energy consumption information and related settings, including energy information display, energy recovery level adjustment button, charging limit setting button, range standard setting button, en-route heating function button, plug-in heating function button, charging reservation, and battery scheduled heating switch.

Access method 1: Tap "App Center" -> "Energy Center" button to enter the Energy Center interface.

Access Method 2: When the vehicle starts charging, it will automatically switch to the Energy Center charging interface.



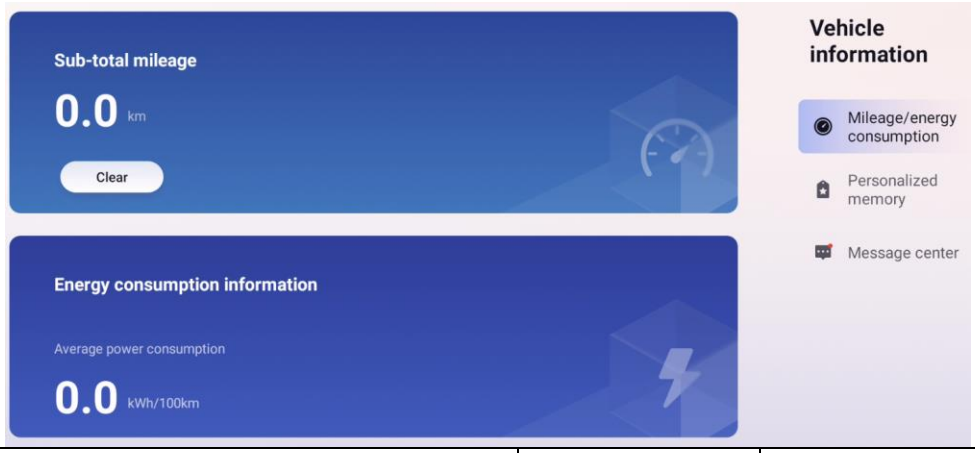
Icon	Description	Function description
	Setting of energy recovery during coasting	Click to set the energy recovery during coasting level
	Charging Limit Setting	Click to set the charging limit. The charging upper limit can be set from

		80% to 100%, adjustable in 5% increments. If the set value is lower than the current battery pack SOC, the setting will fail, and a toast prompt will display: "The set value cannot be lower than the current battery level. Please reset."
	Range standard setting	Click to set the range standard
	Pre-heating switch	Click to turn on/off en route heating

Vehicle information

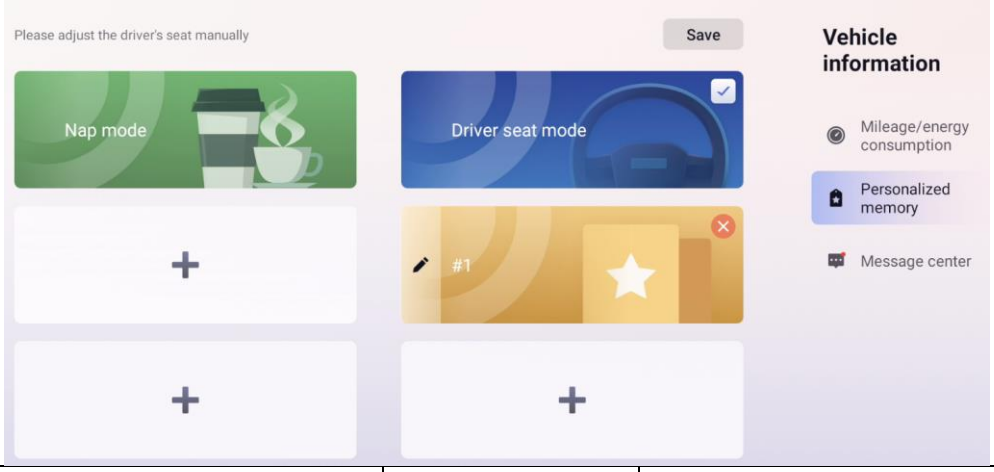
The vehicle information module includes three sub-modules: mileage and energy consumption, personalized memory, and message center. Access method: On the main interface, click the "App Center" icon in the navigation bar to enter the App Center interface > vehicle information interface.

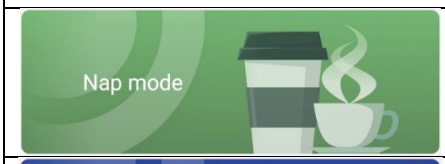
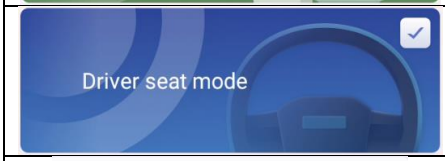
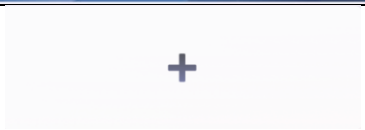
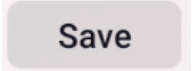
Mileage and energy consumption



Icon	Description	Function description
	Trip mileage display	Click "Clear" to clear the subtotal mileage
	Energy consumption information display	/

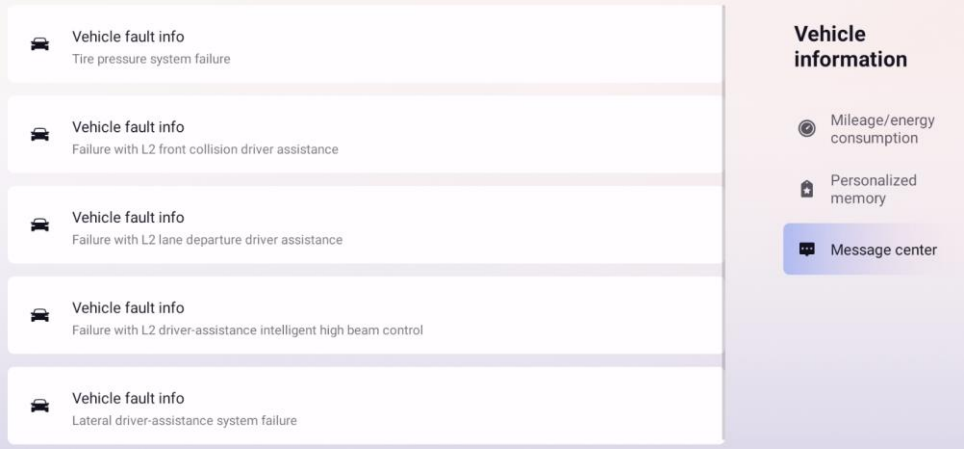
Personalized memory



Icon	Description	Function description
	Nap mode	Default seat position: front/rear 75%, backrest 70%, height 50%; can be overwritten via the "Save" button.
	Driver mode	Default seat position: front/rear 30%, backrest 35%, height 50%; can be overwritten via the "Save" button.
	Create personalized memory	Upon first use, all user-customizable memory slot buttons display a "+" sign. Click the "+" button to create a personalized memory card, saving the current seat state with the default name "#1," and so on.
	Delete button	Click the "×" button in the upper-right corner of a personalized memory slot to trigger a confirmation pop-up ("Delete Personalized Memory"). Click "Confirm" to clear the memory, and the slot reverts to "+"; click "Cancel" to dismiss the pop-up without changes. Currently active slots and fixed slots cannot be deleted (no "×" button displayed).
	Rename button	After creating a personalized memory, the group name automatically changes from "+" to "Personalized Memory 1/2/3/4". Users can customize the name by clicking "Rename", which brings up an input keyboard supporting Chinese/English input. Click "Confirm" to save the new name and return to the memory interface; click "Cancel" to exit without saving.
	Save button	Clicking "Save" overwrites the data of the currently active memory slot and displays a confirmation pop-up

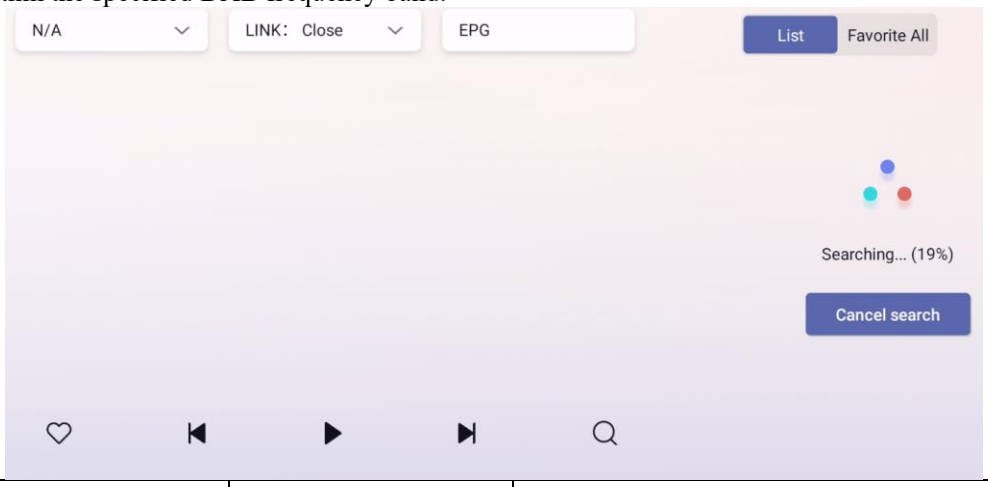
		("Slot Name Saved").

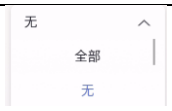
Message Center



DAB

Click the DAB icon in the "More Apps" section to enter the digital radio interface. The radio allows you to listen to stations within the specified DAB frequency band.



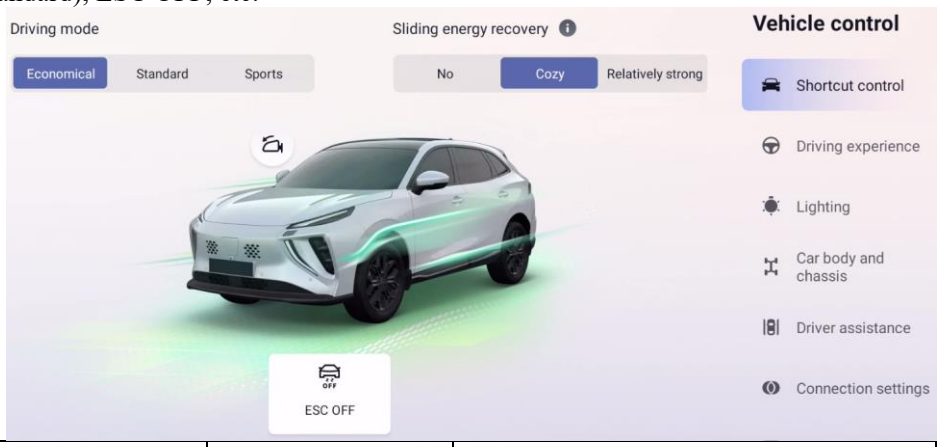
Icon	Description	Function description
	PTY switch	Allows users to filter DAB message types. Click to toggle and view corresponding DAB broadcast content (default displays all types after the first scan).
	LINK switch	Primarily enables automatic channel switching. When the current channel has poor signal, it automatically searches and switches to the same channel or a similar program with better signal.
	EPG button	Click to open the program menu
	Previous track	/
	Play/Pause	/
	Next track	/
	Favorite	Click to display the favorites list
	Search	/

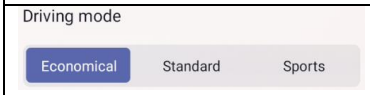
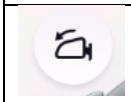
Vehicle control

There are three ways to access the vehicle control interface:
① Tap the vehicle model image in the scene function on the main interface to enter the Vehicle Control > Quick Control interface;
② Tap the vehicle control icon in the bottom navigation bar to enter the Vehicle Control > Quick Control interface;
③ Tap the non-button area of the custom card on the main interface to enter the corresponding control interface.
There are two ways to exit the vehicle control interface:
① Open another application;
② Press the HOME button.

Quick control

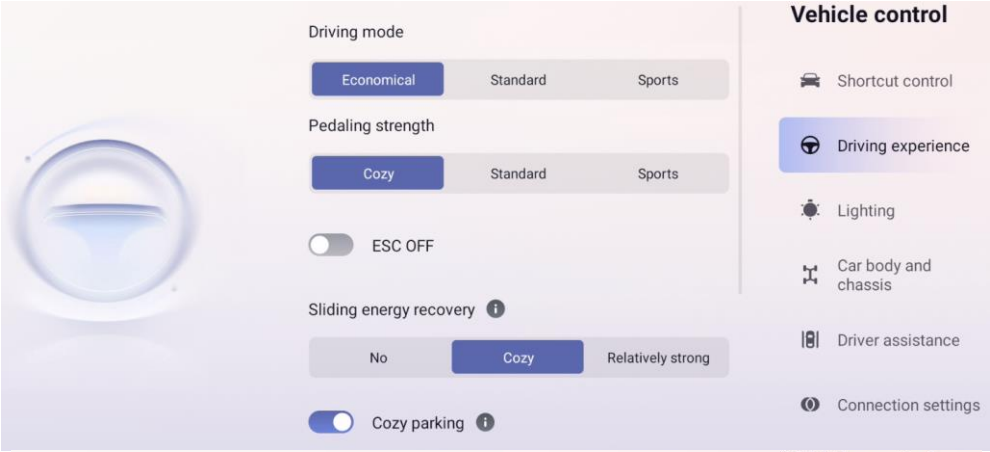
The Quick Control interface includes setting switches for driving mode, energy recovery level, rearview mirror folding (non-standard), ESC OFF, etc.

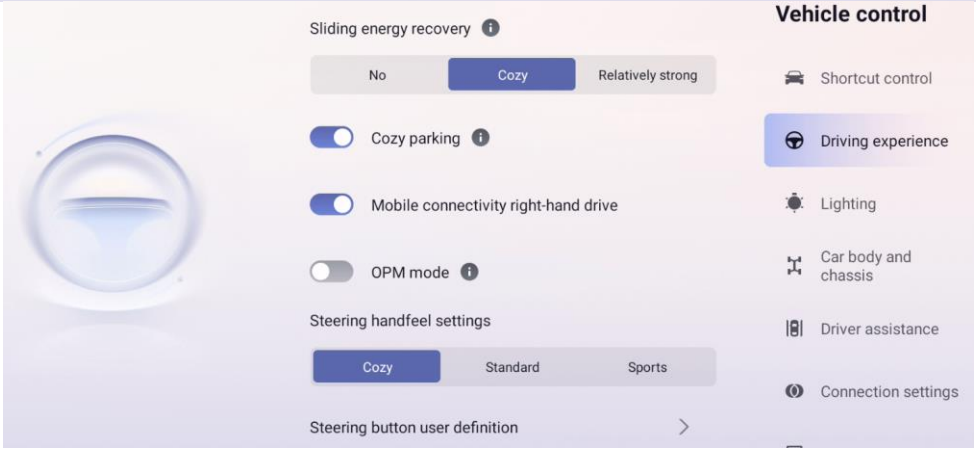


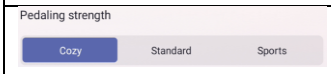
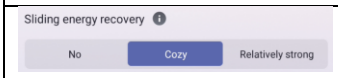
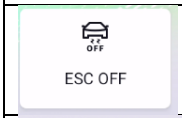
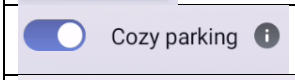
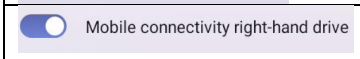
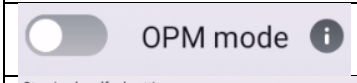
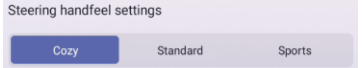
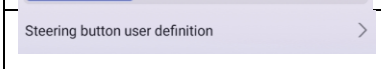
Icon	Description	Function description
	Driving mode switch	Click to switch driving modes
	Rearview mirror fold switch (Non-standard)	Click to fold/unfold the rearview mirror
	Setting of energy recovery during coasting	Click to set the energy recovery during coasting level
	ESC switch	Click to turn on/off the ESC function

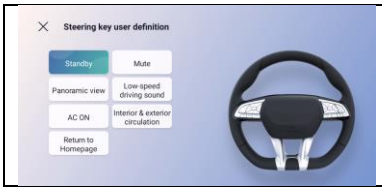
Driving experience

The Quick Control interface includes setting switches for driving mode, energy recovery level, rearview mirror folding (non-standard), ESC OFF, etc.

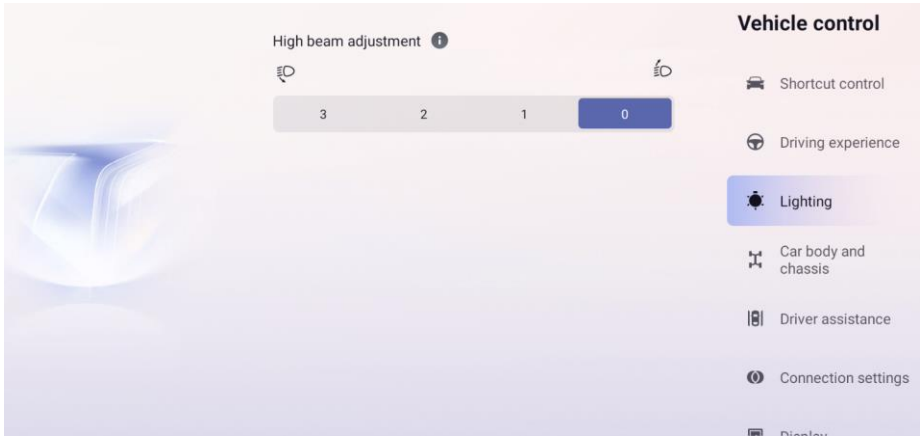


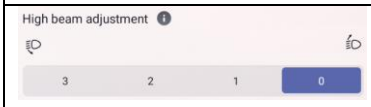


Icon	Description	Function description
	Driving mode switch	Click to switch driving modes
	Brake pedal feel adjustment	Click to switch brake pedal feel levels
	Setting of energy recovery during coasting	Click to switch coasting energy recovery levels
	ESC switch	Click to turn on/off the ESC function
	Comfort stop switch	Click to enable/disable comfort stop function
	Mobile phone mirroring right-hand drive switch	Click to enable/disable CarPlay right-hand driving habit function
	OPM mode switch	Click to enable/disable one-pedal mode function
	Steering feel mode setting switch	Click to switch steering feel levels
	Square control button customization	Click the steering wheel button customization setting tab to enter the customization setting interface. Options include: standby, mute, AVM (non-standard), low-speed warning

		sound (pedestrian alert), A/C on/off, A/C circulation mode, return to home, etc. Default is set to standby.

Light

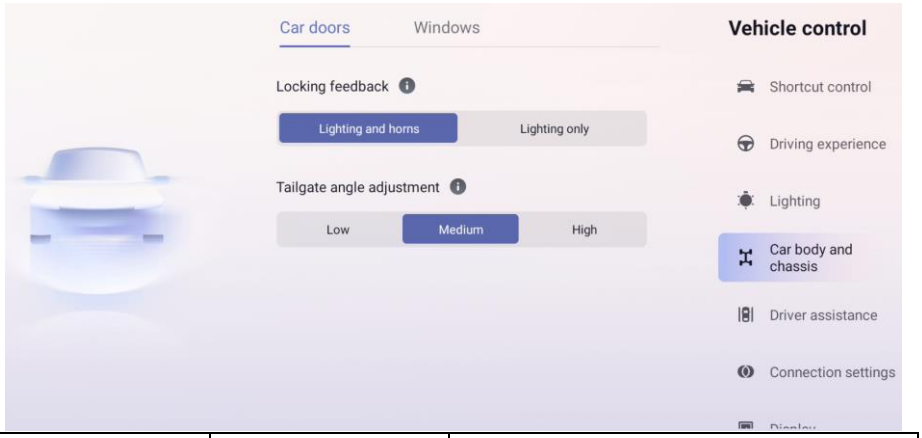


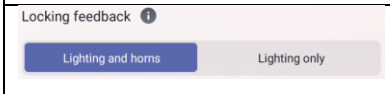
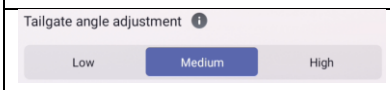
Icon	Description	Function description
	Headlight height adjustment switch	Click to switch headlamp height status

Body and chassis

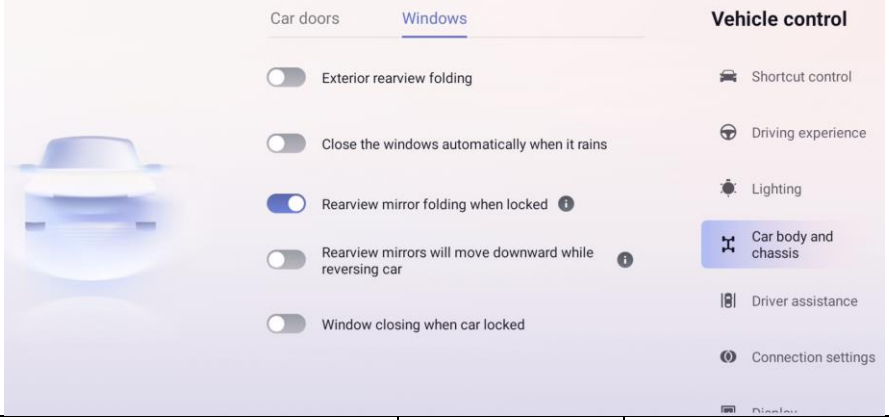
Includes two secondary tabs: doors and windows.

Door



Icon	Description	Function description
	Lock feedback settings	Click to switch lock feedback mode
	Liftgate angle adjustment settings	Click to switch the liftgate opening angle

Window

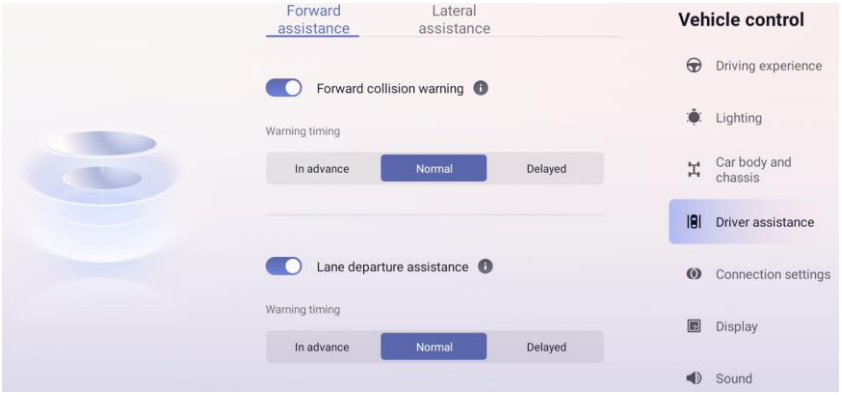


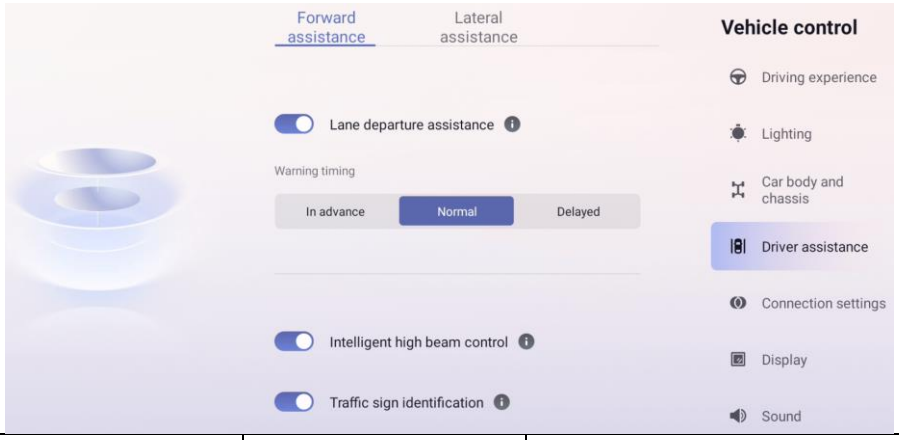
Icon	Description	Function description
Exterior rearview folding	Outside rearview mirror fold switch (Non-standard)	Click to turn on/off the outside rearview mirror folding
Close the windows automatically when it rains	Rainy day auto window close switch (Non-standard)	Click to turn on/off auto window close in rain
Rearview mirror folding when locked	Lock car rearview mirror fold switch (Non-standard)	Click to fold the lock car rearview mirror
Rearview mirrors will move downward while reversing car	Reverse rearview mirror tilt switch (Non-standard)	Click to turn on/off rearview mirror tilt in reverse
Window closing when car locked	Lock car window close switch	Click to turn on/off window close when locking car

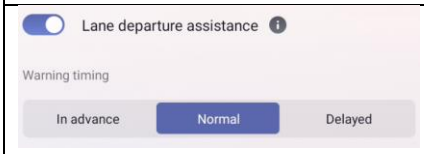
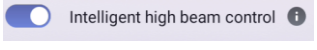
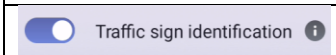
ADAS

Includes two secondary tabs:Forward assist and Lateral assist.

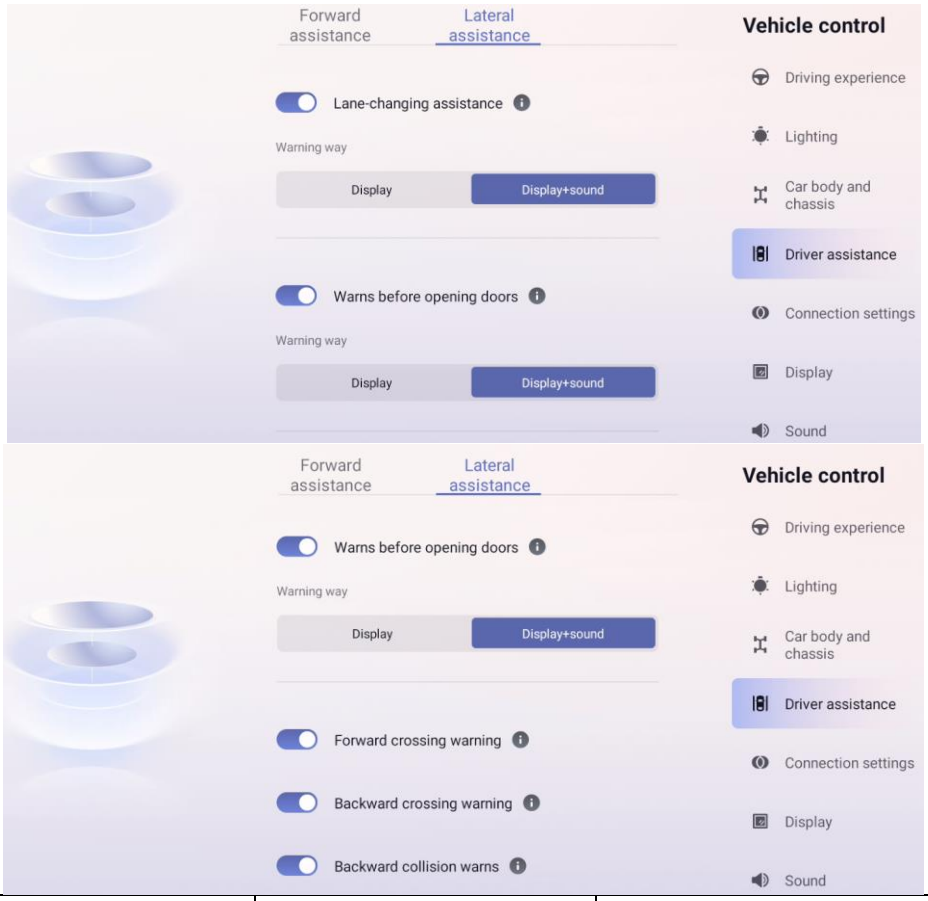
Forward assist

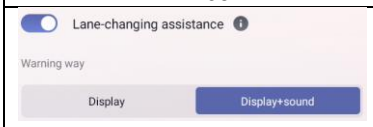
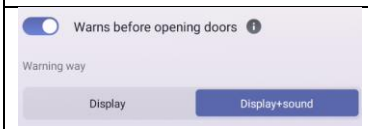
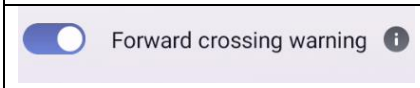


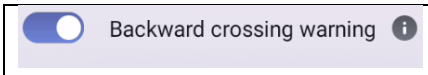
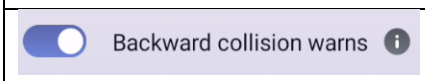


Icon	Description	Function description
	FCA switch (Non-standard)	Click to turn on/off the FCA function
	FCA alarm timing setting (non-standard)	A secondary switch for FCA, click to switch alarm timing. When the FCA switch is turned off, the alarm timing setting is grayed out and unavailable.
	LDA switch (Non-standard)	Click to turn on/off the LDA function
	LDA alarm timing setting (non-standard)	A secondary switch for LDA, click to switch alarm timing. When the LDA switch is turned off, the alarm timing setting is grayed out and unavailable.
	Intelligent high beam switch (Non-standard)	Click to turn on/off the intelligent high beam
	Traffic sign switch (Non-standard)	Click to turn on/off the traffic sign

Lateral assist



Icon	Description	Function description
	LCA switch (Non-standard)	Click to turn on/off the LCA function
	LCA alarm mode settings (Non-standard)	A secondary switch for LCA, click to switch alarm modes. When the LCA switch is turned off, the alarm mode setting is grayed out and cannot be operated.
	DOW switch (Non-standard)	Click to turn on/off the door opening warning function
	DOW alarm mode settings (Non-standard)	A secondary switch for DOW, click to switch alarm modes. When the DOW switch is turned off, the alarm mode setting is grayed out and cannot be operated.
	FCW switch (Non-standard)	Click to turn on/off the forward crossing warning function

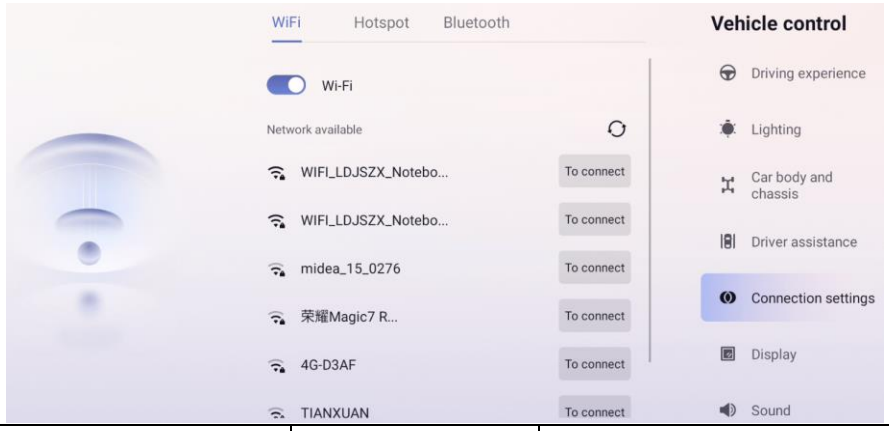
	BCW switch (Non-standard)	Click to turn on/off the backward crossing warning function
	BCW switch (Non-standard)	Click to turn on/off the backward collision warning

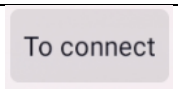
Connection settings

It includes three secondary tabs: WiFi, Hotspot, and Bluetooth.

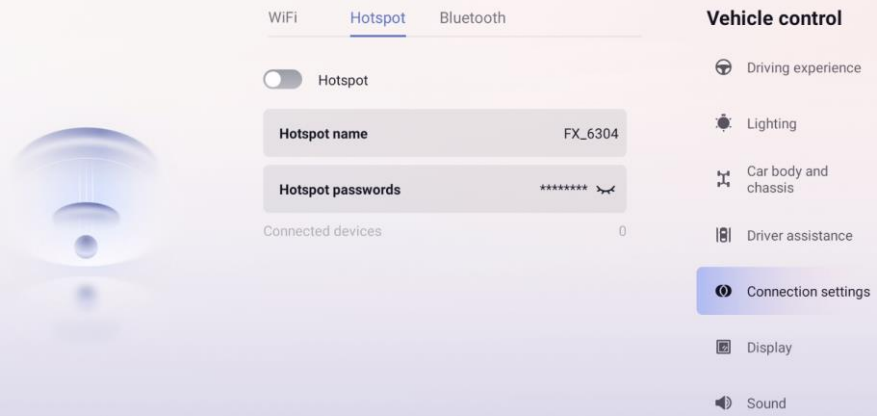
WiFi

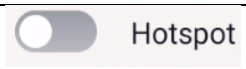
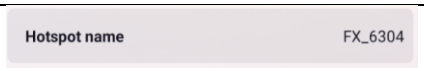
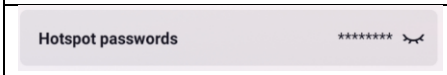
It shall support connecting to mobile wireless networks on both 2.4G and 5G frequency bands.



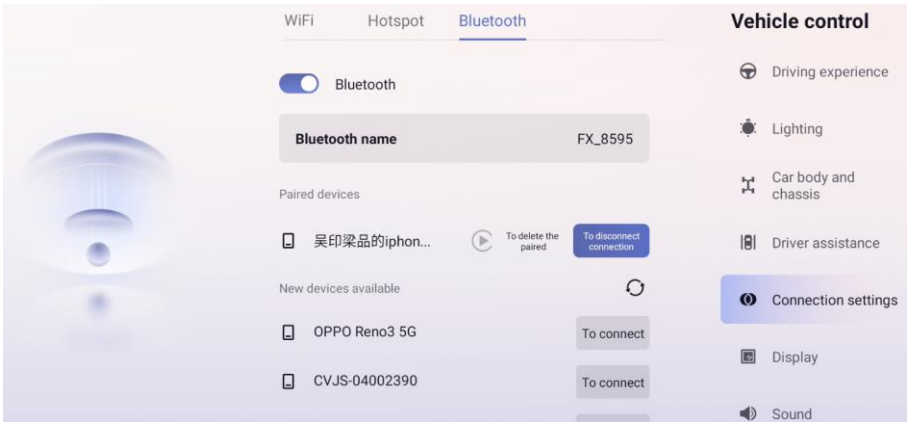
Icon	Description	Function description
	WiFi switch	Click to turn the WiFi function on/off. When turned off, the device disconnects and no longer displays connected or available networks. The WiFi switch and hotspot switch are mutually exclusive.
	Connect button	The "Connect" button in the list of available networks can be used to manually connect to a wireless network. During connection, the button displays "Connecting". Upon successful connection, it appears in the connected networks list, showing "Disconnect" + "Forget this network". If the connection fails, the button reverts to "Connect", and a toast notification "Wi-Fi connection failed" appears for 3 s before disappearing.
	Refresh button	Click to update the list of available networks

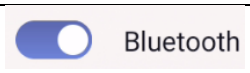
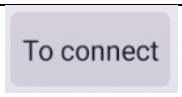
Hotspot



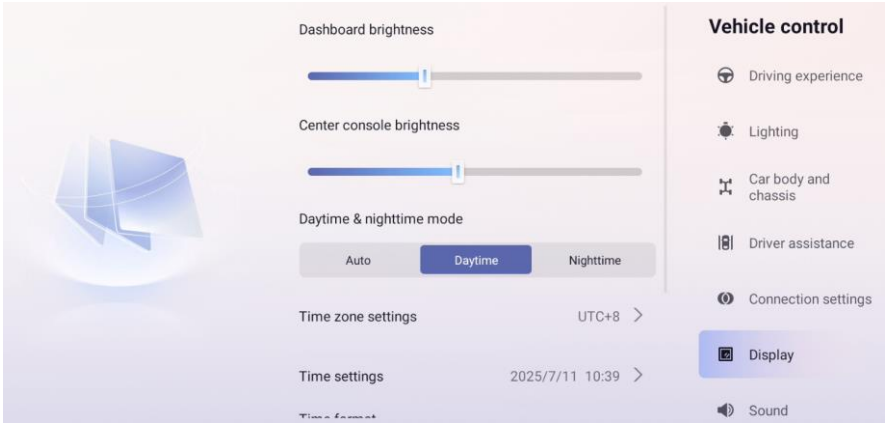
Icon	Description	Function description
	Hotspot switch	Click to turn the hotspot function on/off. When the hotspot is turned off, it disconnects from other devices and does not display the list of connected devices.
	Hotspot name setting	The default hotspot name is "FX + 4 random digits". Users can customize the hotspot name (editable whether the hotspot is on or off). Click the hotspot name button to enter the hotspot name setting pop-up. The character limit is 16 or fewer, and accepted types include uppercase and lowercase letters, numbers, and other character symbols (standard ASCII codes). The default hotspot password is an 8-digit random number.
	Create personalized memory	The hotspot password can be customized by the user (editable whether the hotspot is on or off). Click the hotspot password button to enter the hotspot password setting pop-up. The hotspot password can support numbers, uppercase and lowercase letters, and punctuation marks (standard ASCII codes), with a minimum of 8 characters.

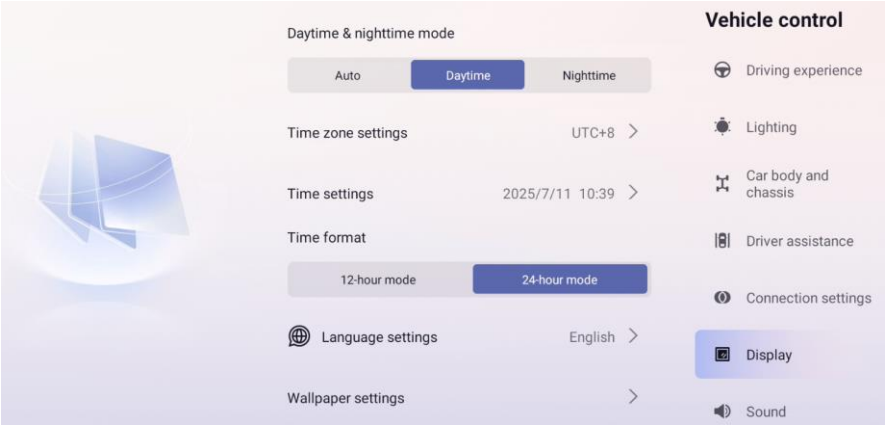
Bluetooth

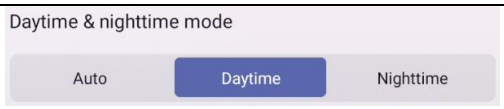
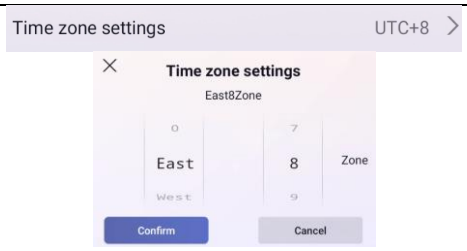
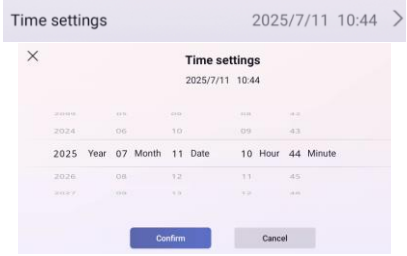


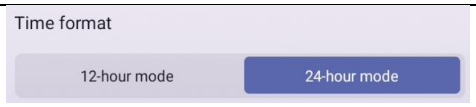
Icon	Description	Function description
	Bluetooth switch	Click to turn Bluetooth on/off. When Bluetooth is off, it disconnects from other devices and hides the list of connected devices.
	Bluetooth name setting	The default Bluetooth name is "FX + 4 random digits". Users can customize the name (editable only when Bluetooth is on). Click the Bluetooth name to open the settings popup. The character limit is 16, accepting uppercase/lowercase letters, numbers, and standard ASCII codes.
	Connect button	Click "Connect" to send a pairing request to the target device. A toast message "Please confirm connection on the device" appears for 3 s. During pairing, the button grays out and shows "Connecting". Upon success, it changes to "Disconnect". If another device was previously connected, it will be disconnected, and the button reverts to "Connect". If pairing fails, a toast displays "Bluetooth connection failed" for 3 s.

Display



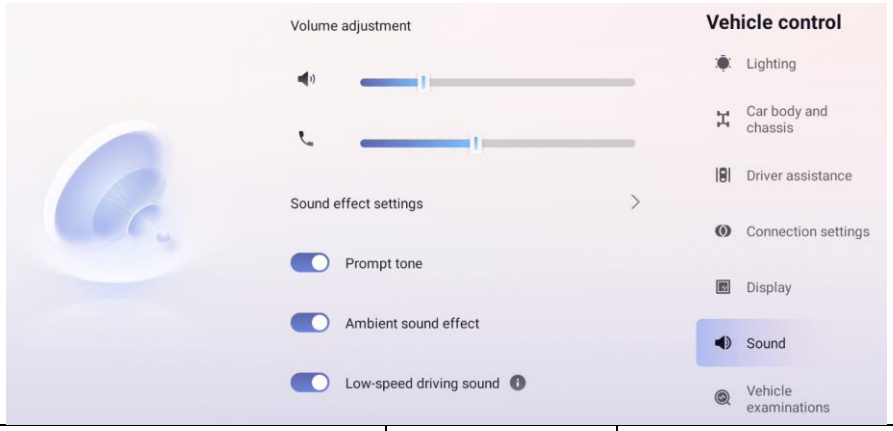


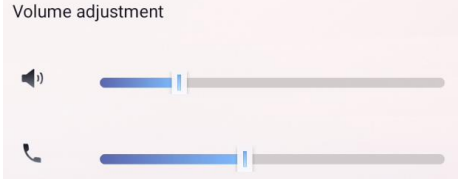
Icon	Description	Function description
	Instrument brightness setting	The brightness range of the instrument panel is 0~20 levels, and the status bar can be adjusted by sliding or clicking.
	Central control brightness setting	The brightness range of the center console screen is 0~20 levels, and the status bar can be adjusted by sliding or clicking.
	Day/night mode setting	There are three modes: "Day", "Night" and "Auto", with "Auto" as the default. When "Day" or "Night" mode is selected, the screen brightness remains constant (unless manually adjusted), following the brightness value set in "Screen Brightness". When "Auto" mode is enabled, the brightness switches to day mode when the position lamps are on and to night mode when they are off.
	Timezone setting	The world is divided into 24 time zones (12 each east and west of the prime meridian). The UK (Greenwich Observatory) is set as the central time zone (UTC±0), with UTC+1 to +12 and UTC-1 to -12. The default is UTC ±0. After a factory reset, the timezone reverts to UTC±0.
	Time setting	Time Setting Allows setting the system time, ranging from 00:00 on January 1, 2024, to 00:00 on December 31, 2099. The internal RTC maintains the time after setting, but it resets upon factory reset or B+ disconnection. The default is 00:00 on January 1, 2024.

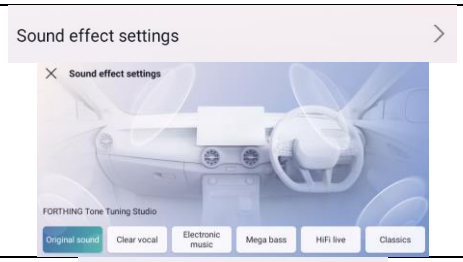
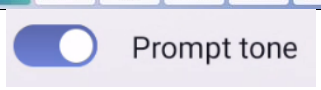
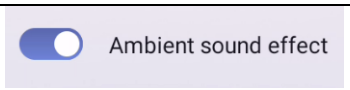
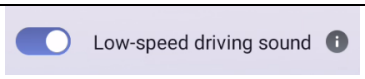
	Time system setting	Supports 12-hour or 24-hour display formats, with 24-hour as the default. In 24-hour mode, the status bar displays time in 24-hour format. In 12-hour mode, it shows time in 12-hour format with AM/PM indicated on the right.
	Language setting	Right-hand drive vehicles support six languages: Simplified Chinese, Traditional Chinese, English, Thai, Indonesian, and Malay, with English as the default.
	Wallpaper setting	Click the wallpaper setting tab to open the wallpaper selection popup, offering "Default" (system-built-in wallpapers) and "Custom" (images from external storage like USB drives) options.

06

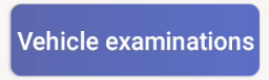
Sound



Icon	Description	Function description
	System volume setting	The system volume can be adjusted in 40 levels from 0 to 39, with a default value of 10. When the volume is set to 0, the system is muted.
	Bluetooth call volume setting	The Bluetooth call volume can be adjusted in 39 levels from 1 to 39, with a default value of 10. Any volume setting by the user will be saved and remembered.

	Sound effect settings	Click the sound effect settings tab to open the sound effect settings pop-up window. Click " " to exit the pop-up.
	Prompt sound switch	There are two options: On and Off, with the system default set to On. When the switch is On, functions such as screen touch sound effects, USB device insertion sound effects, and IHU pop-up prompt sound effects will work normally. When the switch is Off, these prompt sound effects will be disabled.
	Ambient sound effect switch	There are two options: On and Off, with the system default set to On. When the switch is On, the mode switching sound effect function works normally. When the switch is Off, these prompt sound effects will be disabled.
	Low-speed driving sound switch	There are two options: On and Off, with the default set to On. When set to On, the VSP-related functions are activated. When set to Off, the VSP-related functions are disabled. If the switch is Off and the power state changes from pre-start to working state, the VSP switch should be forcibly turned On.

Vehicle detection

Icon	Description	Function description
	Vehicle detection button	Click the start detection button to open the vehicle detection pop-up window and execute fault detection. The pop-up interface will display the completed systems and their status one by

		one. After all detections are completed, it will jump to the detection report interface, which includes an information list, a re-detection button, and a completion button. A green √ in front of the information list indicates that the system is normal, while a red ! indicates a system fault. Click the pop-up close button "X" or the "Detection Complete" button to exit the pop-up interface and return to the detection and maintenance interface; click the re-detection button to start a new round of detection.

Factory settings

Icon	Description	Function description
Reset to factory default	Factory reset button	The factory reset function restores all user-defined settings to their default factory state, while write configuration and engineering mode settings remain unaffected. Click "Factory Reset" to trigger a confirmation pop-up asking whether to proceed. Click "No" to close the pop-up and cancel the operation; click "Yes" to enter the "Resetting" interface for factory reset.

A/C display and control

1) Access mode:

① Swipe up with a single finger on the bottom navigation bar

② Tap the A/C temperature value in the quick operation area of the bottom navigation bar

③ Tap the "A/C" button on the A/C/Seat interface to switch tabs (this option is not available if there is no seat adjustment function)

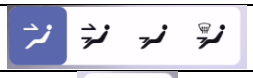
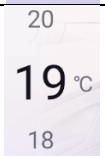
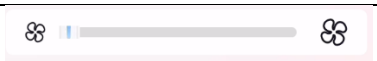
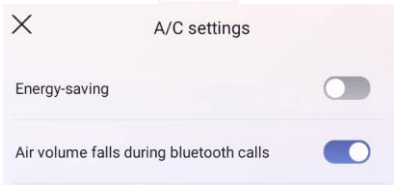
2) Exit methods:

① Swipe down with a single finger at the top of the A/C interface

② Tap the "Seat" button on the A/C/Seat interface to switch tabs (this option is not available if there is no seat adjustment function)

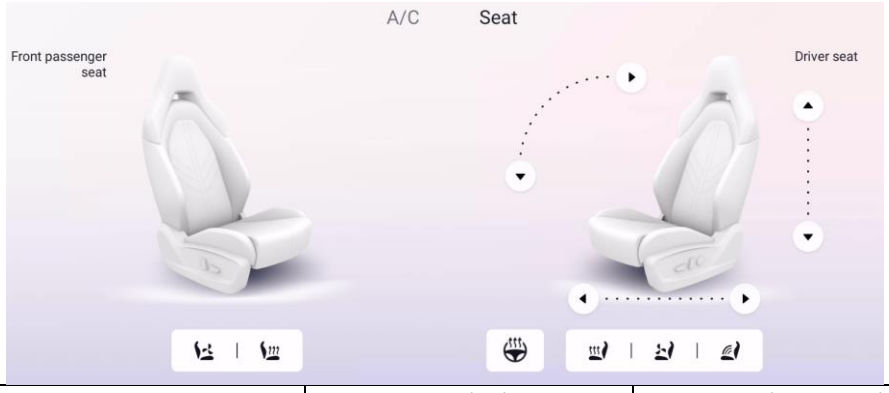
③ Tap to open another application

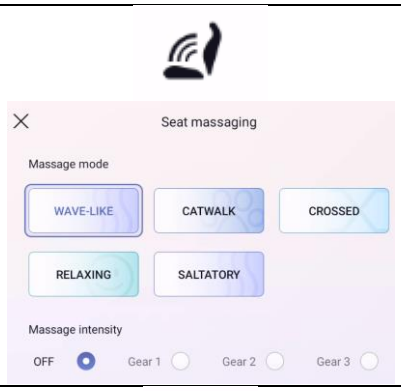
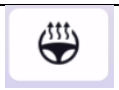
④ Tap the "HOME" button

Icon	Description	Function description
	A/C switch	Click to turn on/off the A/C function
	AUTO switch	Click to turn on/off the automatic A/C function
	A/C switch	Click to turn on/off the A/C compressor
	Internal/external circulation switch	Click to switch between internal and external circulation functions
	Air outlet mode control switch	Click to set the air outlet mode
	Front defroster switch	Click to turn on/off the front defrosting function
	Rear defroster switch	Click to turn on/off the rear defrosting function
	Temperature setting switch	Adjust the temperature by sliding the temperature adjustment scroll bar or clicking on a specific temperature value.
	Fan speed adjustment switch	Click or drag the fan speed adjustment slider, or click the fan speed icons at both ends of the slider to adjust the fan speed. Click or drag the slider to a specific position to set the fan speed. Click the fan speed icon on the left side of the slider to decrease the fan speed by 1 level, and click the fan speed icon on the right side to increase the fan speed by 1 level.
	Energy-saving switch of A/C	Click to turn on/off the A/C energy-saving function
	Switch for fan speed down by Bluetooth	Click to turn on/off the function of reducing fan speed during Bluetooth calls

Seat display and control

The seat control function interface can be accessed via the "Seat" button on the A/C control interface.



Icon	Description	Function description
	Seat massage control switch (Non-standard)	Click the seat massage icon to open the adjustment pop-up, which includes the massage switch, intensity adjustment, and mode selection. Click "X" to close the pop-up. When the seat massage function is active, the massage icon on the seat control interface will be highlighted and display the intensity level.
	Driver seat ventilation switch (Non-standard)	Click the switch to cycle through the levels in the order: "Off -> High -> Medium -> Low -> Off".
	Driver seat heating switch (Non-standard)	Click the switch to cycle through the levels in the order: "Off -> High -> Medium -> Low -> Off".
	Steering wheel heating switch (Non-standard)	Click to turn on/off the steering wheel heating function
	Passenger seat heating switch (Non-standard)	Click the switch to cycle through the levels in the order: "Off -> High -> Medium -> Low -> Off".
	Front passenger seat ventilation switch (Non-standard)	Click the switch to cycle through the levels in the order: "Off -> High -> Medium -> Low -> Off".
	Driver seat front/rear position adjustment switch (Non-standard)	Click/hold to adjust the seat's height
	Driver seat up/down position adjustment switch (Non-standard)	Click/hold to adjust the seat's front/rear position
	Driver seat backrest angle adjustment switch (Non-standard)	Click/hold to adjust the seat backrest angle

Storage device

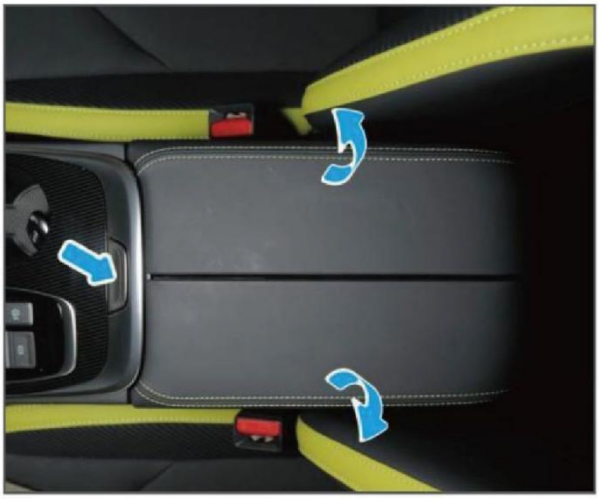
Door storage compartment

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

Dashboard storage box

The dashboard is equipped with a storage box, which can be opened by pulling the tab and closed by pushing it back.

Central armrest box

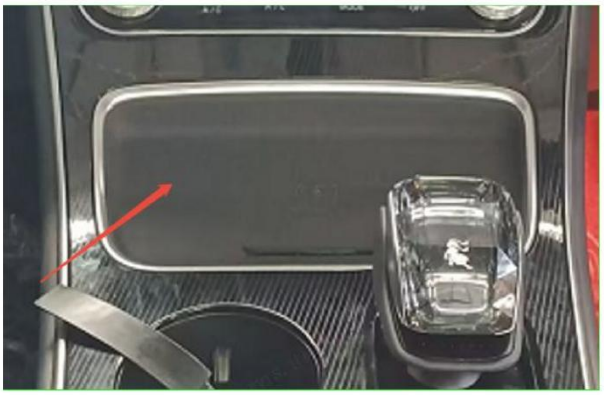


Press the front buckle of the central armrest box, and the left and right armrests will open automatically.

There is a vent in the central armrest box, which can be opened or closed by turning the switch.

Console storage

Console wireless charging



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

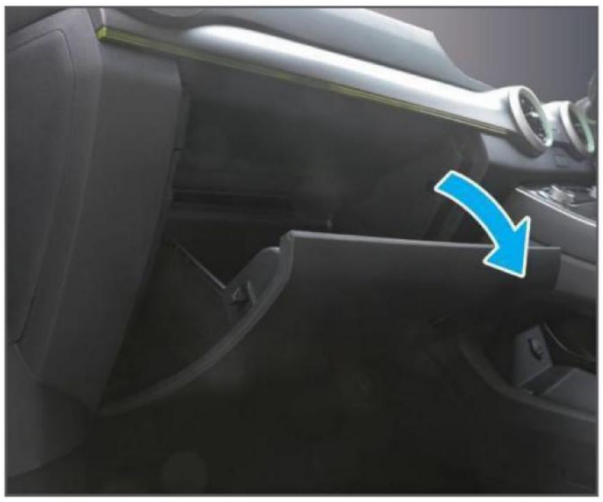
Before charging, please ensure that there are no other items in the wireless charging area, and ensure that there are no metal foreign matters around the mobile phone and in the charging area. When the START/STOP button is set to "ON"/in the READY state, place the portable charging equipment to be charged in the middle of the charging area (do not block the wireless charging air outlet), 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, remove the portable charging equipment from the surface of the wireless charging device.

Lower storage compartment of console

There is a storage compartment at the lower part of the console, which can be used to store small items such as mobile phone and keys.

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.

Cup holder

Front passenger cup holder

Rear passenger cup holder

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

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 magazines and tissues.

Glasses case

The glasses case can be used to store glasses. Press the front end of 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 side sunlight, first disengage the left/right stay bar 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.

Mobile phone holder

Top handle

The top handle can support the body when needed

Hook

Dashboard hook

The left side of the glove box is designed with a dashboard hook, which can be unfolded by pressing the groove and retracted by pressing the boss.

Coat hook

Some top handles are equipped with coat hook.

Caution

Do not hang hangers or other hard objects on coat hooks. When the side curtain airbag is deployed, these items may pop out and cause injury to passengers.

Seat back hook

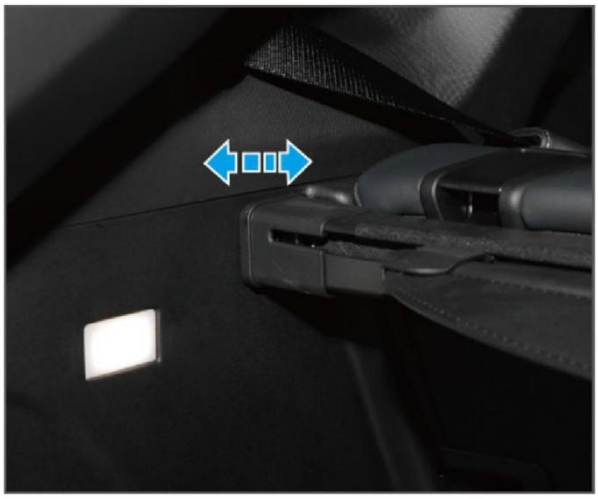
The back of the front seat is equipped with a hook for passengers.

Caution

The maximum load of the hook is 3KG. Do not hang overweight objects

Roller blind

Installation and removal



1. Press the two ends of the roller blind to the middle and then clamp it on the vehicle fixing slot. After installation, shake it to check whether it is installed in place.

2. The removal procedure is in reverse order of the installation procedure.

Folding and unfolding

1. Pull the roller blind handle, and clamp the pins on both sides into the corresponding slot of the side wall to unfold the roller blind.

2. The folding procedure is in reverse order of the unfolding procedure.

Caution

The roller blind is a decorative component that serves as a cover for the trunk. To ensure your safety, do not place any objects on it.

L2 assisted driving

Introduction

The driver assistance system can assist the driver in observing and perceiving the surrounding environment during driving. It provides collision warning, active safety and cruise control to ensure driving safety.

The main functions of the ADAS include:

- Forward collision assist (FCA);
- Lane departure assist (LDA);
- Adaptive cruise control (ACC);

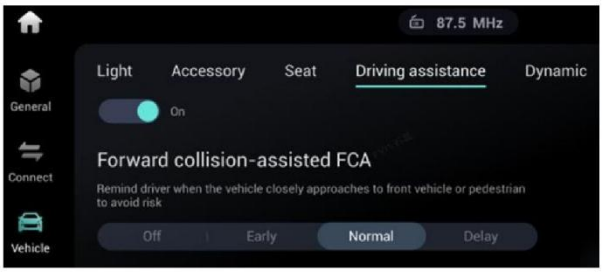
Forward collision assist (FCA)

FCA 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;

Enter the setting interface through the vehicle icon at the bottom left of the vehicle, and click [ADAS] to set the on and off of FCA;

Function switch: Click [FCA] to turn on or off the FCA function. The function is turned on by default and is not recommended to be turned off by users;

Alarm time: Click [Alarm Time] to set the alarm sensitivity, which supports early, normal and delay options, and the alarm time is normal by default;



When this function is faulty, the FCA fault warning lamp on the instrument cluster interface will be on; When this function is turned off, the FCA OFF warning lamp on the instrument cluster interface will be on

For the specific type of the warning lamp, please refer to the instrument section.

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, it will remind the driver visually and audibly.

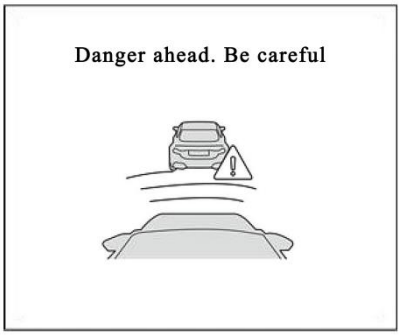
Working mode

Function activation

With the FCW switch turned on, the function will be activated when the vehicle speed is within 8-120 km/h, and the vehicle condition in front of the vehicle will be monitored in real time;

Function trigger

1. Level-1 alarm



The level-1 alarm is triggered when the vehicle may be in collision danger. The instrument warning lamp flashes in red, the driving interface turns red in front, and the prompt box "Danger ahead, please be careful" is displayed, accompanied by medium frequency alarm sound;

2. Level-2 alarm

The level-2 alarm is triggered when the vehicle is about to collide. The instrument warning lamp flashes in red, the driving interface turns red in front, and the prompt box "Danger ahead, please be careful" is displayed, accompanied by high frequency alarm sound;

3. When the setting switch is in the off/fault state, the FCWS instrument warning lamp is always on in yellow.

Warning

The FCW is for reference only and cannot replace your attention and judgment. The FCW 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. You must always pay attention to the traffic conditions and road environment. Do not rely on the judgment of the FCW, otherwise it may cause personal or vehicle damage. For safety reasons, do not intentionally drive towards vehicles, cyclists or pedestrians to test the FCW function. If you find a danger, do not wait for the FCW to be triggered before taking action. You always bear the ultimate responsibility for safe driving and must comply with current traffic laws and regulations.

Warning

After the FCA 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.

Warning

The following actions may cause the FCW not to issue an alarm, including but not limited to:

- FCW may not sound when driver applies the braking
- FCW may not sound when driver depresses accelerator pedal
- FCW may not sound when driver turns the steering wheel sharply

AEB

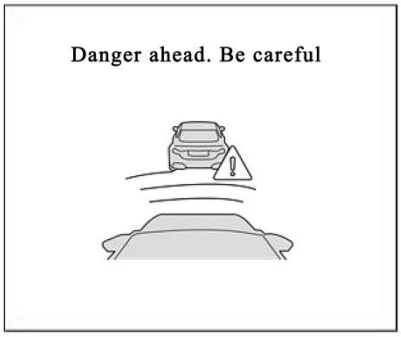
When the vehicle is running, if it is detected that the vehicle, cyclist or pedestrian in front is about to have a collision with the vehicle, it will automatically perform emergency brake to avoid collision or reduce the injury caused by collision.

Working mode

Function activation

With the AEB switch turned on, the function will be activated when the vehicle speed is within 8-85 km/h, the vehicle condition in front of the vehicle will be monitored in real time, and the AEB will be triggered when a collision is about to occur;

Function trigger



When the AEB is triggered, the instrument warning lamp flashes in red, the driving interface turns red in front, and the prompt box "Danger ahead, please be careful" is displayed, accompanied by high frequency alarm sound;

When the setting switch is in the off/fault state, the AEBS instrument warning lamp is always on in yellow; 

When the AEB is triggered, the vehicle speed is reduced by up to 60 km/h. If the AEB is triggered at a vehicle speed of 80 km/h, the braking will end after the vehicle speed drops to 20 km/h.

Warning

The AEB 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. You must always pay attention to the traffic conditions and road conditions. Do not rely on AEB to avoid collision or reduce collision impact, otherwise it may cause personal or vehicle damage. For safety reasons, do not intentionally drive towards vehicles, cyclists or pedestrians to test the AEB function. If you find a danger, do not wait for the AEB to be triggered before taking action. You always bear the ultimate responsibility for safe driving and must comply with current traffic laws and regulations.

Warning

After the FCA function switch is turned off, the vehicle will not apply the brake even if it detects a possible collision. 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. The FCA function will be automatically deactivated due to the user's activation of ESP OFF setting. Please pay attention when using the vehicle.

Warning

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.

Caution

The brake distance will be longer on wet and 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.

Warning

The AEB is only used to reduce the impact of head-on collision. When the vehicle is in R position, the AEB does not work.

Warning

The following conditions may cause the AEB not to brake or stop braking, including but not limited to:

- The driver depresses the accelerator pedal deeply or quickly.
- The driver turns the steering wheel sharply.
- The driver is not fastening the seat belt.
- Any door is not closed
- AEB cannot be triggered again immediately after being triggered
- No more vehicles, cyclists or pedestrians are detected ahead

Precautions and limitations

The following conditions may cause the camera to be unrecognizable, making the FCA unable to operate as expected. This includes, but is not limited to:

- The camera installation position has been changed
- The camera is blocked or dirty
- The recognition capability is decreased at night
- The surrounding environment is dark, such as dawn, dusk, night, and tunnel
- Sudden changes in ambient brightness, such as tunnel entrances or exits
- Large shadows cast by buildings, landscapes, or large vehicles
- When camera is exposed to the sun at an angle or directly
- Rain, snow, fog, haze and other severe weather
- Exhaust, water spray, snow or dust raised by the vehicle ahead
- Water, dust, micro scratches, grease, dirt, wiper, freezing, snow, etc. on windshield in front of camera
- Wet roads
- The camera is out of focus or faulty

Only eligible oncoming vehicles, cyclists and pedestrians will be responded by the FCA function. The following objectives will not be responded to, including but not limited to:

- Oncoming vehicles
- Side-passing vehicles
- Animals
- Traffic lights
- Walls
- Barricades (cone barrels, etc.).
- Other non-vehicle objects

Caution

- This function cannot guarantee that a special vehicle can be recognized in all situations, especially at night, which requires special attention. For example, three-wheelers, vehicles with damaged taillights or unclear tail outlines, vehicles with blocked tails, irregular-shaped vehicles, vehicles with a vertical tail surface below a certain height, and no-load vehicles, etc.
- This function may miss stationary or slow-moving vehicles, especially at night, so pay special attention

In order to play the best role of this function, the system needs to recognize the body contour and main features of the pedestrian as clear and complete as possible, that is, the pedestrian head, shoulders, arms, legs, upper body and lower body can be recognized by combining standard human movement. The following conditions may cause pedestrians to be unrecognized, making the FCA unable to operate as expected. This includes, but is not limited to:

- Pedestrians taller than 200 cm or shorter than 100 cm
- Pedestrians wearing large clothing (such as raincoats, traditional Chinese clothing, etc.) cause their main features (arms, legs, etc.) to be blocked and their outlines to be unclear
- The pedestrian first appears in sensor 's field of view at a closer distance
- Pedestrians carrying large luggage or large backpacks
- Color of the pedestrian's clothing has low contrast with the background color of the scene
- Pedestrians holding umbrellas obscure their heads, arms and other major features
- Pedestrians bending or squatting
- Pedestrian in a wheelchair
- Pedestrians are closer together
- Pedestrians wear clothing with reflective materials
- Pedestrians on dark roads, tunnels, etc. at night
- Pedestrians have large changes in speed when crossing

In order to give full play to the best function of this function, the system needs to recognize the rider's body contour, main features and the outline of the bicycle as clear and complete as possible. This function is effective for adults riding bicycles designed for adults. The following conditions may cause the rider to be unrecognized, making the FCA unable to operate as expected. This includes, but is not limited to:

- When the features of a person or bicycle are obscured by clothing or other objects and the outline is not clear
- When carrying large luggage on a bicycle
- When bicycle is at a faster speed
- When color contrast between the cyclist and the bicycle background is low
- When the rider's speed changes significantly
- The cyclist first appears in sensor 's field of view at a closer distance
- Cyclists on dark roads, tunnels, etc. at night
- Balance bikes, kick scooters, some scooters, special forms of electric bicycles, etc. are used

The following conditions may cause FCA to fail to operate as expected because the target is not directly ahead, including but not limited to:

- FCA will not respond to objects in sensor blind spot, such as blind spot in the corners of the vehicle or in the side or rear blind spot of the vehicle
- When approaching or passing a road bend, you may misselect or miss a target

- Being on a slope may cause loss of target or misjudgment of distance from the target
- 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 recognized in time
- 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, it may not be recognized in time

Due to special or complex road conditions, the FCA may not work as expected, including but not limited to:

- Waterlogged, muddy, potholed, ice and snow-covered roads, road with speed bumps, and road with obstacles
- Traffic conditions with many pedestrians, bicycles, electric vehicles or animals
- Complex and changeable traffic conditions, such as busy intersections, expressway ramps, congested roads, etc.
- Winding and twisting roads, sharp turning roads.
- Uphill and downhill roads
- Bumpy roads
- Tunnel entrance and exit

LDA

The LDA includes lane departure prevention (LDP) and lane departure warning (LDW). During driving, it provides steering correction and alarm prompt for the driver when the vehicle unconsciously deviates from the lane.

Working mode

Function activation

The LDA switch is turned on, and the function is turned on after the vehicle is started;

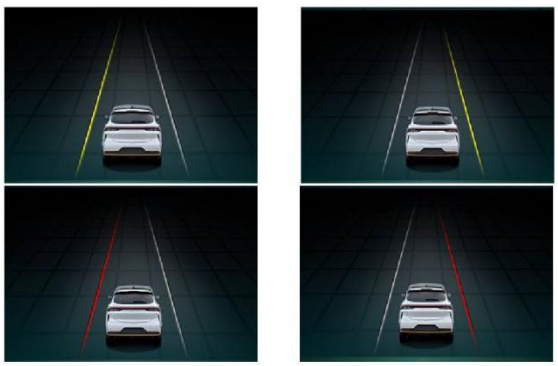
Function activation

When the system detects the lane marking and 65 km/h ≤ vehicle speed ≤ 140 km/h, the system automatically enters the function activation state;

After the function activation, the lane marking of the vehicle is continuously detected and displayed in the instrument driving interface. If no lane marking is detected, it will not be displayed;

When the system is activated, the LDA indicator lamp (red) flashes; 

Function trigger



When the vehicle may deviate from the lane, the steering wheel turns slightly to correct the vehicle back to the lane. The lane marking on the deviated side of the instrument driving interface turns yellow;

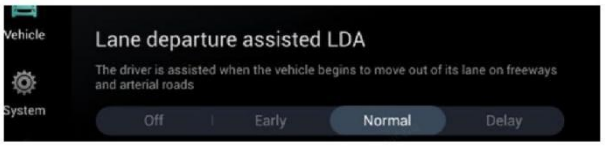
When the vehicle is about to deviate from the lane, the vehicle will send an alarm prompt, and the lane marking on the deviated side of the instrument driving interface will turn red and flash, accompanied by a medium frequency alarm sound;

Setting switch

Enter the setting interface through the vehicle icon at the bottom left of the vehicle, and click [ADAS] to set the on and off of LDA;

Function switch: Click [LDA] to turn on or off the LDA function. The function is turned on by default;

Alarm time: Click [Alarm Time] to set the alarm sensitivity, which supports early, normal and delay options, and the alarm time is normal by default;



Caution

The vehicle setting switch ON does not mean that the function is activated. The function is activated automatically only when the working conditions are met.

When LDA controls the direction, the steering wheel will rotate, and you can take over the vehicle actively by turning the steering wheel.

Warning

LDA can only provide a certain steering assistance, but cannot control the vehicle speed.

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.

Warning

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.

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.

You must always pay attention to the traffic conditions and road conditions, and make your own decision on whether to use LDA while 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. You always bears the ultimate responsibility for keeping the vehicle in the lane safely and in compliance with current traffic laws and regulations.

Warning

Do not do the following while driving:

- Rely solely on LDA
- Use LDA in severe weather
- Use LDA on special roads
- Keep your eyes off the road

Caution

LDA will not remind or control when the turn signal lamp is turned on and the vehicle deviates to the corresponding side.

Warning

The LDA may not be able to detect the edge of the road, so please drive carefully and always stay in the lane.

Precautions

- The lane marking detection status cannot be used to determine whether the vehicle is in the lane. The driver needs to control the direction of the vehicle;
- LDA only provides auxiliary reminders. The driver must always maintain control of the vehicle and be responsible for the vehicle;

The following conditions may cause the LDA system to fail to operate as expected or to exit automatically, including but not limited to:

- Pass through curves with excessive curvature, such as high-speed ramps.
- The lane marking is not clear, worn, missing, crossed, or blocked by shadows cast by other vehicles or buildings or scenery
- Passing through the road section without lane marking, such as non-standardized roads, intersections, construction areas, etc.
- Passing through the road section with special lane marking, such as deceleration warning lines, diversion lines, etc.
- Passing through the areas with unclear lane division, such as lane marking convergence or separation areas, highway ramps, urban intersections, left-turn waiting areas, etc.
- The pavement has edges or other high-contrast lines that are not lane markings, e.g. pavement joints, curb, etc.
- The lane marking cannot be recognized or is not recognized correctly due to the height change, e.g. when going uphill or downhill.
- 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
- 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 camera recognition malfunctions, including but not limited to:

- The camera installation position has been changed
- The camera is blocked or dirty
- The recognition capability is decreased at night
- The surrounding environment is dark, such as dawn, dusk, night, and tunnel
- Sudden changes in ambient brightness, such as tunnel entrances or exits
- Large shadows cast by buildings, landscapes, or large vehicles
- The camera is exposed to direct light
- Rain, snow, fog, haze and other severe weather
- Exhaust, water spray, snow or dust raised by the vehicle ahead
- Water, dust, micro scratches, grease, dirt, wiper, freezing, snow, etc. on windshield in front of camera
- Wet roads

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:

- Waterlogged, muddy, potholed, ice and snow-covered roads, road with speed bumps, and road with obstacles
- Traffic conditions with many pedestrians, bicycle or animals
- Complex and changeable traffic conditions, such as busy intersections, expressway ramps, congested roads, etc.
- Winding and twisting roads, sharp turning roads.

- Uphill and downhill roads
- Bumpy roads
- Narrow roads
- Tunnel entrance and exit
- Non-standard roads
- Road without median strip.

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.

Warning

As a ADAS function, ACC cannot cope with all traffic, weather and road conditions.

ACC can only control the speed of the vehicle, but cannot control the driving direction of the vehicle.

You must always pay attention to the traffic conditions and road conditions, and make an independent decision on whether to use ACC while 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. You always bears the ultimate responsibility for maintaining a suitable distance and vehicle speed, and complying with current traffic laws and regulations.

Warning

Do not do the following while driving:

- Rely solely on this system
- Use the system in severe weather
- Use this system in an environment with a lot of pedestrians, bicycle or animals
- Use this system on special roads
- Take your hands off steering wheel
- Keep your eyes off the road

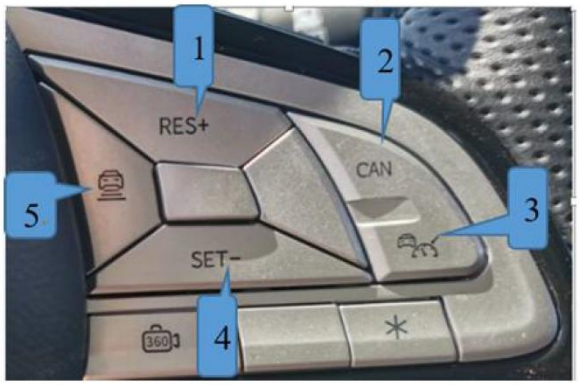
Warning

ACC is a comfort function rather than a collision prevention function, so its maximum deceleration is limited and less than the maximum deceleration that can be requested by AEB and driving. Therefore, 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 moving slowly, there is a risk that the ACC cannot stop. To ensure safety, please deactivate the ACC immediately in the above cases, and do not try to stop the vehicle or follow the vehicle ahead with ACC in the above cases.

Working mode

Button description:



1. Reset/acceleration button

1) Reset: when the ACC exits temporarily, it can be reactivated by button to exit the previous vehicle speed and distance driving;

2) Vehicle speed increase: When the ACC is activated, the cruising speed can be adjusted by button. Short press to increase 1 km/h, and long press to increase 5 km/h;

2. Pause button

When the ACC is activated, the cruise can be paused by button;

3. Function button

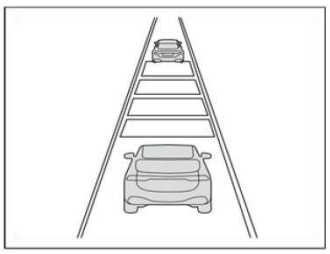
The ACC function can be turned on or off by button;

4. Setting/deceleration button

1) Setting: After the ACC is turned on, the ACC function can be activated by button; When the ACC is activated, the current vehicle speed can be set as the cruising speed through the button;

2) Vehicle speed decrease: When the ACC is activated, the cruising speed can be adjusted by button. Short press to decrease 1 km/h, and long press to decrease 5 km/h;

5. Distance adjustment button



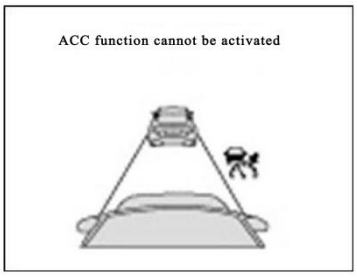
When the ACC is activated, the cruising distance (following distance) can be adjusted by the button, and the near, medium, far and ultra far can be selected;

Function activation

Short press the ACC function button to activate the function; The instrument cluster displays the white ACC indicator lamp and the cruising speed;

Function activation

When the vehicle speed is greater than 30 km/h, press the setting/vehicle speed deceleration button to activate the function, and the cruising speed is displayed as the vehicle speed when it is activated; The instrument cluster displays the green ACC indicator lamp and the cruising speed;



When the vehicle activation conditions are not met, the instrument will prompt "ACC function cannot be activated";

Cruise control

When the vehicle ahead is not recognized, the vehicle will run at the speed set by the driver, which can be adjusted through the cruising speed adjustment button;

1. The cruising speed range can be set to 30-130 km/h;

2. The cruising speed can be adjusted by the reset/acceleration button and the setting/deceleration button. Short press to increase/decrease 1 km/h, and long press to increase/decrease 5 km/h; When the driver adjusts the vehicle speed, the cruising speed and number changes are displayed accordingly;

3. After the driver actively adjusts the cruising speed, the vehicle will accelerate/decelerate comfortably according to the current vehicle ahead speed state, and finally reach the cruising speed;

Cruise control

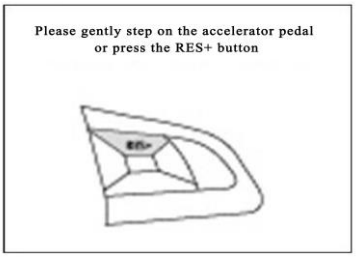
When the vehicle ahead is recognized, the vehicle will run at the distance set by the driver, which can be adjusted through the cruising speed adjustment button;

1. When the vehicle recognizes the target ahead and performs distance-following, the target ahead is highlighted in blue;

2. When the cruise control is activated for the first time, the distance is the farthest position by default, and the last distance is memorized for subsequent vehicle distances;

3. There are 4 cruise control distance positions in total. The cruise control distance can be adjusted through the distance adjustment button. Press the button to increase/decrease the cruise control distance by one position cyclically;

4. After the driver adjusts the distance, the vehicle will accelerate/decelerate comfortably according to the distance adjustment, and finally reach the cruising distance;



5. After the vehicle following stops, if the vehicle ahead starts within 3 s, the vehicle following will start. After 3 s, the instrument will prompt "Please gently depress accelerator pedal or press RES+ button" and it will be reactivated after the operation;

Description

ACC working conditions:

- ADAS camera functions normally and has a clear view
- All components of ACC are not faulty
- The vehicle meets all safety requirements, such as:

→ The driver has fastened the seat belt

→ All doors are closed

→ The vehicle is in D position

→ The driver does not depress the brake pedal

→ ABS, TCS and ESP are not triggered

→ TCS and ESP are not manually disabled

- The vehicle speed does not exceed 140 km/h

The ACC function will be automatically deactivated due to the user's activation of ESP OFF setting. Please pay attention when using the vehicle.

Function exit

The ACC will exit the activated state when:

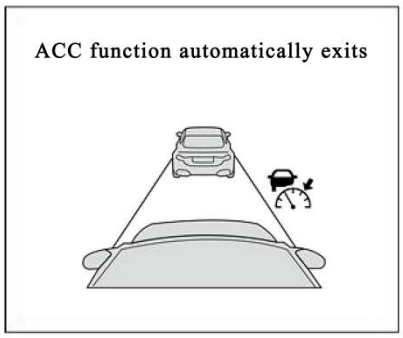
- Press the function button
- Depress the brake pedal
- Keep depressing accelerator pedal to take over the vehicle for about 1 minute
- The vehicle is stationary for more than 3 minutes

In addition, when the ACC does not meet the working conditions, the ACC will exit automatically, and the driver should take over the vehicle immediately after the ACC exits.

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 conditions. Please always pay attention to the traffic conditions and road environment, and be ready to take over the vehicle at any time.



In specific driving situations, the deceleration capability of the ACC is insufficient to maintain a sufficient distance between the vehicle and the preceding object, and the ACC will require the driver to take over the vehicle in time.

The ACC will give visual and audible indications to the driver, and the instrument cluster will give a text prompt "Please take over the vehicle" accompanied by a buzzer, and the driver needs to intervene in driving.

When ACC exits due to external faults, the icon on the normal display interface flashes green, and the request of "Please take over the vehicle" is sent at the same time, but the current action will still be executed.

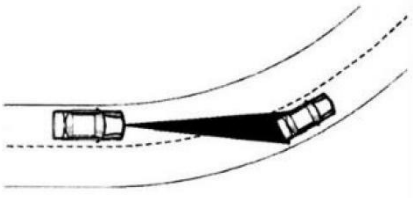
Precautions

- The ACC system is not a safety system nor an obstacle detector or collision warning system, but a comfort system. Therefore, when ACC is turned on, driver must always pay attention to the road conditions, keep monitoring the vehicle and take full responsibility for the vehicle;
- The ACC is suitable for use on highways and roads with good conditions, but not suitable for use on urban roads or mountain roads;
- For safety reasons, please use the ACC with caution, pay close attention to the surrounding environment and be ready to take over the vehicle during urban driving, traffic jams and curved roads;
- It is not allowed to use ACC on hill roads, smooth roads (where water skiing is likely to occur), roads with poor conditions (such as slippery roads, waterlogged roads, gravel roads, construction roads, etc.) and bad weather with low visibility (such as heavy fog, rainy days or snowy days, etc.), or when snow, ice, fog, dirt and dust block the sensor, otherwise there is a risk of accidents!
- The ACC system can only adjust the distance between the vehicle and the vehicle in front, and usually cannot detect and apply the brakes for vehicles in other lanes, other sides of the vehicle (except the rear), children, pedestrians, animals or other objects;
- If there is an oncoming vehicle in the same lane, ACC will not respond;
- When driving in a curve lane, on a highway exit or under construction, temporarily turn off ACC;
- The ACC system can assist driver but cannot replace driver in driving. Even if the ACC is turned on, the driver must drive carefully, be ready to take over the vehicle at any time, and obey the traffic rules; • The driver should set the ACC vehicle speed and following distance reasonably according to the current road, traffic and weather conditions, and the set vehicle speed should not be too high to avoid accidents.
- In some cases (the relative speed of the vehicle ahead is too high, it suddenly slows down, stops, changes lanes quickly, or safe distance is too small, etc.), ACC may not have time to slow down. In order to avoid collision with the vehicle ahead, driver must always pay attention to the road conditions, keep monitoring the vehicle, and take full responsibility for the vehicle;
- The ACC cannot detect the objects loaded on the following target vehicle that protrude from the side, rear end or roof of the bodywork or the attached accessories. If the vehicle in front is equipped with the above special loads or special equipment, be sure to turn off the ACC when overtaking such vehicles, and the driver shall actively depress the brake pedal as appropriate;

- Do not activate ACC when towing a vehicle;
- When the ACC system stops the vehicle, always be prepared to depress brake pedal;
- When the ACC system stops the vehicle, driver must always put shift lever in P position and turn off START/STOP button before leaving the vehicle;
- For safety reasons, the set vehicle speed will be deleted after the vehicle is turned off;
- If instrument cluster prompts "ACC function automatically exits" and ACC cannot be turned on again, it means that the vehicle has an abnormal condition during the engine running and needs to be restarted;
- When the TCS system or ESP system is triggered, if ACC is controlling the vehicle, ACC will automatically shut down;
- If the TCS system or ESP system is closed state, ACC cannot be turned on;
- When road conditions allow safe use of ACC, ACC can be manually activated;
- The driver can depress the accelerator pedal to increase the vehicle speed at any time. After the accelerator pedal is released, the vehicle speed will gradually return to the set ACC speed. However, the driver should be aware that unintentionally depressing the accelerator pedal for a long time will make the ACC unable to start by itself, and may cause collision with the vehicle ahead;
- The following vehicle diagram is only displayed when a vehicle traveling in the same direction on the same lane is detected;
- If the following vehicle is not displayed in the diagram, the ACC will not react to or apply the brake to the vehicle ahead;
- The ACC system is subject to physical laws and the system itself during driving. In addition, under certain conditions, the response of the ACC may be different from the driver's idea. Therefore, the driver must always pay attention and intervene if necessary;

Special scenarios

Vehicles entering/exiting curves

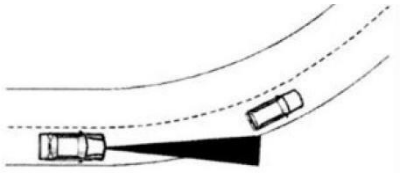


When driving in/out of a curve, the ACC may react to a vehicle in an adjacent lane and brake the vehicle. This braking process can be ended in advance by actively depressing the accelerator pedal.

Warning!

When using ACC on curves, the driver should pay close attention to the surrounding environment and vehicle conditions, select appropriate cruising speed and cruising distance, and be ready to take over the vehicle at any time.

Vehicles in curves



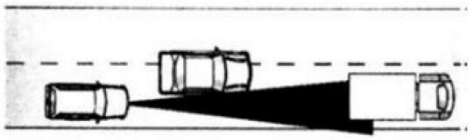
- When the vehicle is in a curve, the ACC may not be able to detect the vehicle ahead in the same lane, and the driver may lose control of the vehicle or have an accident. Please pay close attention and be ready to take over at any time.

Caution

- In case of sharp turns, the ACC may reduce the vehicle speed or operate differently from straight road.

In a curve, the ACC may not be able to detect the vehicle ahead and accelerate to the set speed. When this happens, the symbol of the vehicle ahead will not be displayed on the instrument cluster display.

Vehicles not running on the same straight line

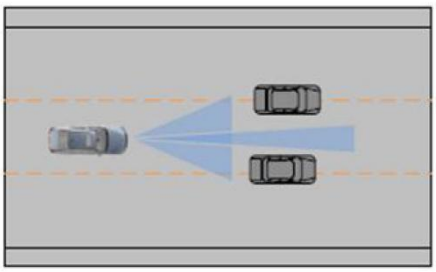


For vehicles that are not running on the same straight line (vehicles in adjacent lanes change lanes to enter), if they do not enter the recognition range of the camera sensor, the sensor may not be able to detect these vehicles, resulting in a delay in ACC response. The driver needs to pay close attention to the vehicle action in the adjacent lane and take active intervention if necessary.

Vehicle running on a slope

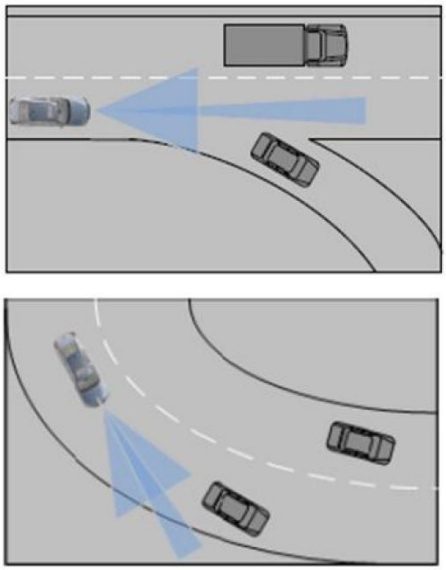
Do not use ACC on steep ramps. On steep ramps, the ACC cannot detect vehicles in the same lane, and the ACC will be automatically released when the driver applies the brake frequently.

Vehicles running in narrow lanes



ACC cannot accurately judge the width of the lane ahead. When you feel that you cannot pass normally, please immediately intervene to deactivate the ACC system by depressing the brake pedal, and control the vehicle by yourself.

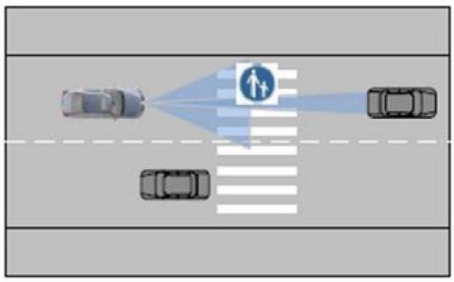
Vehicle running on the ramp of expressway



When the target vehicle following ahead drives off the expressway or turns, ACC will lose the target and the system may automatically accelerate. If the vehicle is driving on an expressway ramp, the system may lose the target due to excessive curve, and the system may accelerate automatically.

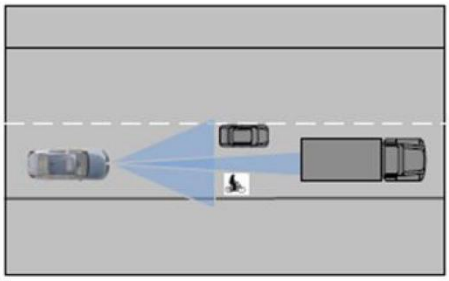
In view of the above situation, if you feel uncomfortable, you can release the ACC system by depressing the brake pedal or pressing the cruise control handle at any time.

Pedestrian in front of the driving direction of the vehicle



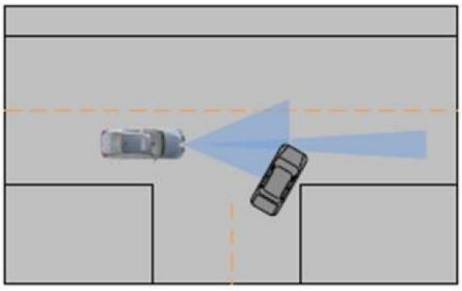
The ACC cannot detect pedestrians. Once the driver finds that there are pedestrians walking in front of the driving direction of the vehicle, he/she must actively intervene in the vehicle.

Vehicles that are difficult to identify (motorcycle, bicycle, etc.)



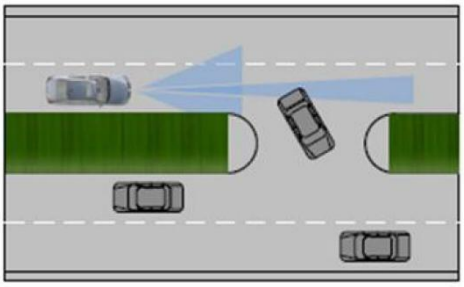
The ACC cannot guarantee the detection of all types of vehicles on the driving path, especially narrow vehicles such as battery cars, bicycles, motorcycles, or vehicles with high chassis and loads exceeding the bodywork. The driver needs to pay close attention to the surroundings of the vehicle.

Vehicle cutting in from the front



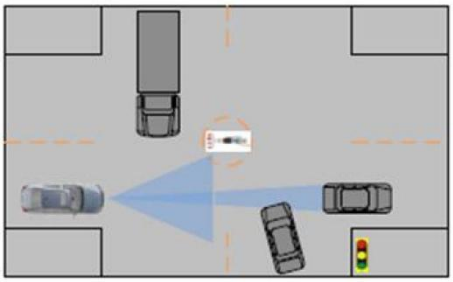
When another vehicle suddenly cuts in front of the vehicle in the direction of travel, the ACC may not be able to control the vehicle quickly or may apply strong braking. In this case, the driver shall pay attention to the traffic conditions in front of the vehicle in the direction of travel.

When the target vehicle makes a U-turn or turns at a right angle



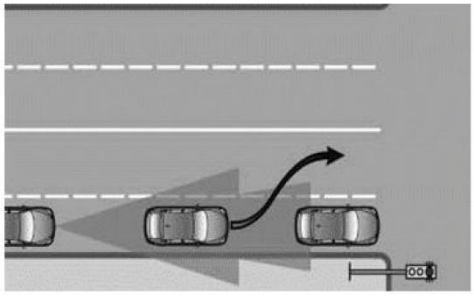
When the target vehicle followed by the vehicle makes a U-turn or turns at a right angle, the sensor will lose the target and the system may automatically accelerate. The driver needs to keep an eye on the surroundings and be ready to take over at any time.

Traffic light change at intersection



When the target vehicle followed by the vehicle passes through the intersection, the driver shall pay attention to the change of traffic lights, and actively intervene the vehicle when necessary to avoid violation of traffic rules.

Stationary vehicle



If the vehicle in front of you suddenly changes to another lane behind a stopped vehicle, the system may not have enough time to brake, and the driver needs to intervene in the vehicle if necessary.

Precautions and limitations

The following conditions may cause camera recognition obstacles, affect ACC performance, and even cause the function to exit. This includes, but is not limited to:

- The camera installation position has been changed
- The camera is blocked or dirty
- The recognition capability is decreased at night
- The surrounding environment is dark, such as dawn, dusk, night, and tunnel
- Sudden changes in ambient brightness, such as tunnel entrances or exits
- Large shadows cast by buildings, landscapes, or large vehicles
- The camera is exposed to direct light
- Rain, snow, fog, haze and other severe weather
- Exhaust, water spray, snow or dust raised by the vehicle ahead
- Water, dust, micro scratches, grease, dirt, wiper, freezing, snow, etc. on windshield in front of camera
- Wet roads

Only vehicles that meet the conditions will be responded to by ACC. The following targets are not guaranteed to be identified and may be responded to, including but not limited to:

- Side-passing vehicles
- Oncoming vehicles
- Bicycles, motorcycles, tricycles

The following objectives will not be responded to, including but not limited to:

- People
- Animals
- Traffic lights
- Walls
- Barricades (cone barrels, etc.).
- Other non-vehicle objects

Caution

- This function cannot guarantee the recognition of special vehicles, especially at night, which requires special attention. For example, vehicles with blocked rear, vehicles with irregular shape, vehicles with rear vertical plane lower than a certain height, no-load vehicles, etc.
- This function may miss stationary or slow-moving vehicles, especially at night, so pay special attention.

The following situations may cause ACC to recognize and respond too late because the target is not directly ahead, including but not limited to:

- ACC will not respond to a target in the blind spot of the sensor. For example, the ACC cannot detect the vehicle corner blind spot and the vehicle side blind spot
- When approaching or turning through the road, the target may be mistakenly selected or missed, resulting in unexpected acceleration and deceleration of the vehicle.
- 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
- 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 recognized, and you need to take over in time
- 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 recognized in time, and you need to take over in time

Caution

- This function may occasionally accelerate when acceleration is not needed or intended, which may be caused by a change or loss of the following target (especially during turns or lane changes).

- This function may occasionally apply the brakes when they are not needed or intended. 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

This function cannot guarantee that the target can be accurately identified in all cases. If you find that the situation displayed by the target vehicle ahead on the instrument is inconsistent with the actual situation, please take over the vehicle in time. That is,

- There is actually a vehicle ahead, but the instrument does not show the target vehicle ahead
- There is no vehicle ahead, but the instrument shows a vehicle ahead

It is not recommended to use ACC under special or complex road conditions, which may affect the ACC performance and even cause the function to exit, including but not limited to:

- Waterlogged, muddy, potholed, ice and snow-covered roads, road with speed bumps, and road with obstacles
- Traffic conditions with many pedestrians, bicycle or animals
- Complex and changeable traffic conditions, such as busy intersections, expressway ramps, congested roads, etc.
- Winding and twisting roads, sharp turning roads.
- Uphill and downhill roads
- Bumpy roads
- Narrow roads
- Tunnel entrance and exit
- Non-standard roads
- 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:

- The vehicle ahead suddenly maneuvers (such as sudden turning, acceleration, deceleration, etc.)
- Other vehicles suddenly drive in or out of the front of the vehicle
- When the vehicle suddenly drives into the rear of the vehicle ahead
- 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:

- The brake function cannot work completely (e.g. brake parts are too cold, overheated, wet, etc.)
- Improper vehicle maintenance (such as excessive wear of brake or tire, abnormal tire pressure, etc.)
- The vehicle is running on special roads (such as uphill and downhill, waterlogged, muddy, potholed, ice and snow-covered roads, etc.)

Starting the vehicle

START/STOP button mode

Enter the vehicle with the smart key that matches the vehicle

OFF position: The vehicle is at this position when shut down. At this time, the START/STOP button indicator lamp is breathing/blue.

ACC position: When the vehicle is in the "OFF" position, press START/STOP button without depressing the brake pedal, the indicator lamp will be breathing/blue, and the vehicle will switch to the "ACC" position. At this time, some related functions such as the infotainment system can be used.

ON position: When the vehicle is in the "ACC" position, press START/STOP button without depressing the brake pedal. indicator lamp is breathing/blue and the vehicle switches to the "ON" position. At this time, most electrical equipment such as seat heating can be used. Press the START/STOP button again, and the vehicle returns to the "OFF" position.

START position: The vehicle is at this position when started. When the START/STOP button is in the "OFF/ON/ACC" position, depress the brake pedal, confirm that the shift lever is in the P/N position, and press the START/STOP button to start the vehicle directly. At this time, the indicator lamp of the START/STOP button is always on in blue.

Start the vehicle power system

To start the vehicle, the following conditions must be met:

1. In the P or N position.

2. Depress the brake pedal until the READY indicator lamp on the instrument cluster comes on.

3. Press the START/STOP button, the START/STOP button indicator lamp changes from breathing/blue light to always on in blue, and the vehicle starts.

Caution

- The READY indicator lamp lights up to indicate that the vehicle is ready for driving.
- If the READY indicator lamp flashes, it indicates that there is a door ajar. Please check the door.
- The driving distance of the vehicle is related to the remaining power of the traction battery and the driving power of the vehicle.
- If the outside temperature is extremely low, the traction 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 traction battery will be greatly limited at extremely low temperatures. In order to avoid difficulty in starting the vehicle after parking, please keep the traction battery with a high power level when parking the vehicle.
- 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 or N position.

Vehicle maintenance and software update

In order to ensure the safety of maintenance personnel, please press and hold the hazard warning lamp switch for more than 4 seconds before vehicle maintenance and inspection. The vehicle will be forced to power-off, and the corresponding maintenance and inspection can be carried out after entering the OFF position. If it must be carried out in the ON position, press and hold the hazard warning lamp switch for more than 4 seconds, the vehicle will be forced for power-off, and then depress the brake pedal and operate, but this state will cause battery feed, do not stay in this state for too long. Press and hold the hazard warning lamp switch for more than 4 seconds again, or press the lock button and unlocking button on the smart key in turn to exit the forced power-off mode.

Vehicle fails to start

If the vehicle READY indicator lamp is not on, it indicates that there may be a power failure or the starting condition is not met, please check according to the prompts on the instrument cluster.

1. When the instrument cluster displays [Electronic anti-theft failed], check whether the smart key is in the vehicle and near the front cup holder.

2. If the instrument cluster prompts [Low battery SOC] or the instrument cluster cannot be lit, indicating that the 12V low-voltage battery power may be used up, try to use the jump start to start the vehicle. See "Jump start" in Chapter X "Emergency Self-help Treatment" for details.

3. The instrument cluster prompts [Power System Failure]. Please contact the Forthing Special Service Station at this time.

Starting the vehicle with the smart key at low battery

When the smart key has low or no power, you can use the mechanical key inside the smart key to open the door, then put the smart key into the first cup holder of the front cup holder (front direction), press the START/STOP button while depressing the brake pedal.

Gear shifting operation

1. P position button

The instrument cluster will display the gear position of the vehicle.

Introduction to positions

P position (parking)

This position is used when parking or putting the vehicle in the ready-to-drive state. Press the P button on the shift lever to enter the P position. Be sure to stop the vehicle completely before engaging P position.

D position (driving position)

D position can only be entered when the vehicle is started. Use this position when driving forward.

R position (reverse position)

R position can only be entered when the vehicle is started. Use this position when reversing. Be sure to stop the vehicle completely before engaging R position.

N position (neutral position)

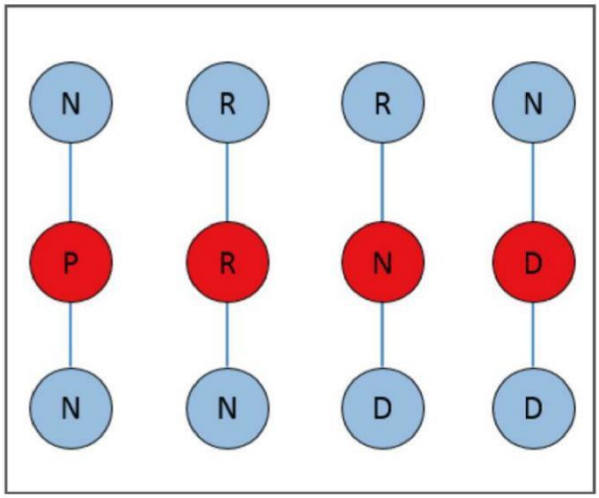
When the vehicle is in this position, the drive motor cannot output power and will not support auxiliary parking.

Driving

Gear shifting method

The brake pedal shall be depressed all the time before the vehicle starts, otherwise the vehicle will move by itself when it is in the driving gear position. After the vehicle is started, normal gear shifting operation can be carried out.

The shift lever will return to the middle position after each gear shifting operation, and the gears are arranged from front to back in the order of R-N-D.



Set to P position

After the vehicle comes to a complete stop, press the P position button to enter the P position.

Set to R position

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

Set to N position

P-N position

Depress the brake pedal and push the shift lever up or down to the N position.

R-N position

Depress the brake pedal and push the shift lever down to the N position.

D-N position

Depress the brake pedal and push the shift lever up to the N position.

Set to D position

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

Description of gear shifting conditions

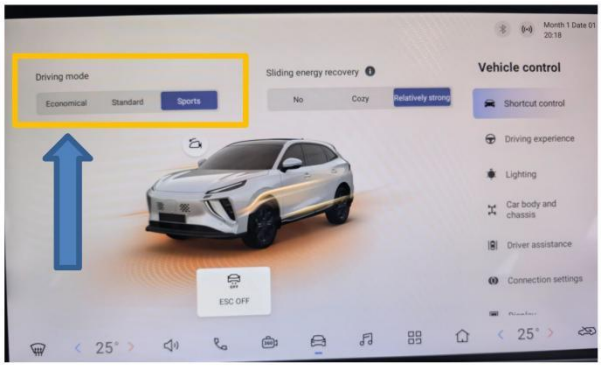
1. When the vehicle is not started, the gear can only be switched between P and N position.

2. To exit P position, you need to push the shift lever and depress the brake at the same time.

3. To engage the R position, push the shift lever and depress the brake at the same time.

3. To engage the D position, push the shift lever and depress the brake at the same time.

Driving mode switching



The driving mode is "ECO" by default when the vehicle is started. Press the driving mode button once to switch to "Normal" mode, and press this button again to switch to "SPORT" mode.

You can cycle between Eco→Normal→Sport→Eco.

Normal mode

It combines the power performance and economy of the vehicle, and is suitable for various roads.

SPORT mode:

It improves the power performance of the vehicle, bringing a higher level of response speed and driving experience. It is suitable for flat roads with few vehicles.

Eco mode

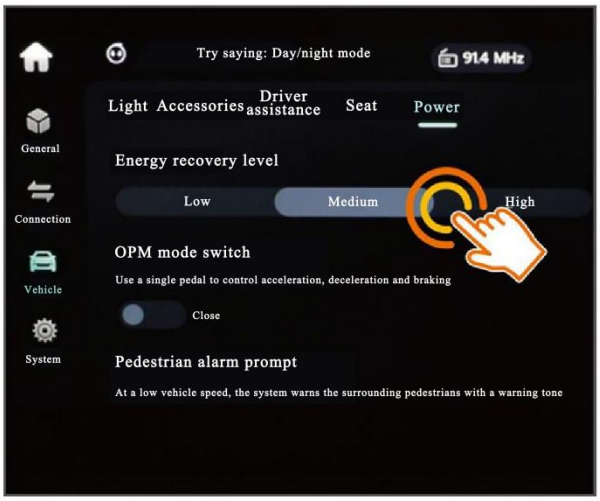
At this time, the vehicle is running in a relatively economical and energy-saving state, the power performance will decrease, the power of the A/C will be limited, and the endurance range will increase.

Energy recovery

The vehicle has the functions of energy recovery during coasting and braking energy recovery, which can make driving more energy-saving and economical.

Energy recovery during coasting

The energy recovery during coasting can convert the kinetic energy of the vehicle into electric energy and charge it into the traction battery. In the conversion, there is inevitable energy loss. The most economical way is to use the energy of the vehicle for driving.



The energy recovery during coasting has the effect of braking and deceleration. According to the driving habits, you can set the energy recovery during coasting to one of the three positions: low, medium and high. The energy recovery level is not memorized by default, and can be memorized after turning on the driving mode memory switch. In the weak energy recovery during coasting level, no energy recovery will be carried out (if deceleration is required, braking energy recovery can also be carried out when the brake pedal is depressed).

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 vehicle speed in a short period of time and recover more energy to charge the traction battery, so that the vehicle can achieve better energy-saving effect.

Energy recovery may not be possible in the following situations.

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

2. The vehicle speed is too low. This model has a creep function. After the vehicle enters the D/R position, if the accelerator pedal is not depressed and the brake pedal is released, the vehicle will run at a lower vehicle speed (same as the idling speed of traditional vehicles), and energy recovery during coasting cannot be performed.

3. The charging capacity of the traction battery is severely limited when the ambient temperature is extremely low or the temperature is too high.

4. When the vehicle speed is 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 vehicle speed (the vehicle speed at a medium level is lower than the vehicle speed at a higher level without energy recovery).

5. In case of low energy recovery during coasting .

6. The safety assistance system of the vehicle is activated (such as ABS, etc.).

7. The vehicle has a fault that restricts driving. In case of fault indication, please contact the Forthing Special Service Station.

Limp-home mode

When the vehicle has certain specific faults, the power of the vehicle will be limited, the limited power alarm (limp mode) indicator lamp on the instrument cluster will light up, and the maximum vehicle speed will be reduced.

Start requirements

1. Do not continue to start after several failed starts. Please contact the Forthing Special Service Station as soon as possible.

2. Do not push or tow the vehicle to start.

Driving requirements

1. Do not overload or overload the drive motor.

2. Do not turn off the power switch when the vehicle is running.

3. When the vehicle is running, the power drops. Please contact the Forthing Special Service Station as soon as possible.

4. Do not drive on the terrain that is easy to hit the bottom of the vehicle.

5. Before driving, confirm that the instrument cluster has no fault alarm signal.

6. When the instrument cluster prompts that the traction battery SOC is too low, do not drive for a long distance, and charge the battery as soon as possible.

Stop or parking

When parking, put the vehicle into P position and pull up the EPB switch at the same time.

Noise and vibration

New energy electric vehicles will have different noise and vibration from traditional fuel vehicles.

The following noises and vibrations are normal:

1. Noise generated by the drive motor and transmission system during operation.

2. Noise of electric vacuum pump when working intermittently.

3. Noise and vibration of relay opening and closing when starting and stopping the HV system.

4. Sound of pedestrians approaching the vehicle when the vehicle is running at a low speed.

5. Noise generated by the water pump and cooling fan during charging

Parking brake

Electronic parking brake (EPB) switch

The driver can use the EPB switch to park the vehicle reliably.

EPB activation and deactivation

Enable: After the vehicle stops, pull up EPB switch to complete manual parking, and the parking status indicator lamp will come on.

Release: Depress brake pedal and press EPB switch at the same time to release the parking brake, and the parking status indicator lamp will go out.

Emergency brake function

This function can only be used when the brake pedal fails or is blocked. Continuously pull up the EPB switch to brake the vehicle with the EPB function in case of emergency. As long as the EPB switch is released, the emergency brake can be exited.

Caution

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 start more comfortably on a slope or at a traffic lamp intersection. This function can be turned on or off with the AUTO HOLD switch. After the function is activated, the system will continue to apply the brake when the driver releases the brake pedal at a ramp start or at a traffic light intersection.

AUTO HOLD activation conditions:

1. The vehicle is started.
2. The driver has fastened the seat belt.
3. All doors of the vehicle are closed.

Turn on the AUTO HOLD function

1. Press the AUTO HOLD switch to turn on the AUTO HOLD function, and the switch indicator lamp will come on.

2. If the AUTO HOLD function is turned on during driving, when the driver depresses the brake pedal to stop the vehicle, the vehicle will be automatically held, and the AUTO HOLD working indicator lamp on the instrument cluster will light up in green. At this time, the driver can release the brake pedal.

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

Turn off the AUTO HOLD function

1. When the AUTO HOLD function is on, press the AUTO HOLD switch to turn off the AUTO HOLD function, and the switch indicator lamp goes out. The AUTO HOLD working indicator lamp on the instrument cluster turns from green to red.

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

Traction control system (TCS)

The TCS function can reduce the wheel slip in its rotation direction by properly braking the driving wheel during the driving process.

Driving Tips

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. Driving under the influence is strictly prohibited.

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

Do not drive on roads with deep water. Driving in water is easy to cause failure or damage to drive motor, electrical devices, etc., and reduce braking performance.

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 components of the vehicle, such as drive motor and electrical devices, 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.
- 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 oil level reaches 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 front 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 vehicle headlamp and hazard warning lamp.

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

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

7. Do not turn or brake sharply during driving 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

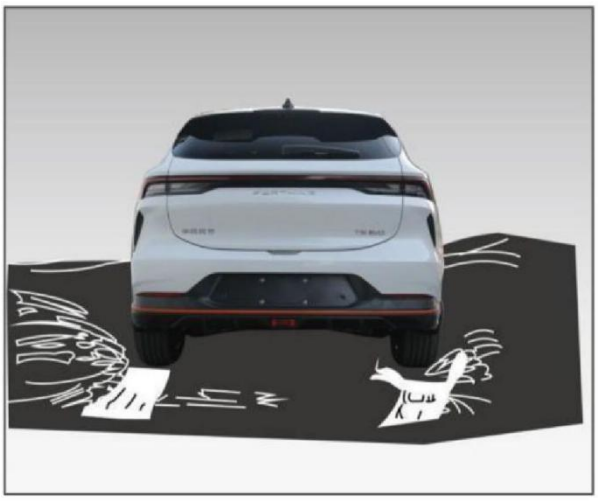
When driving on ramps and mountainous roads:

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:

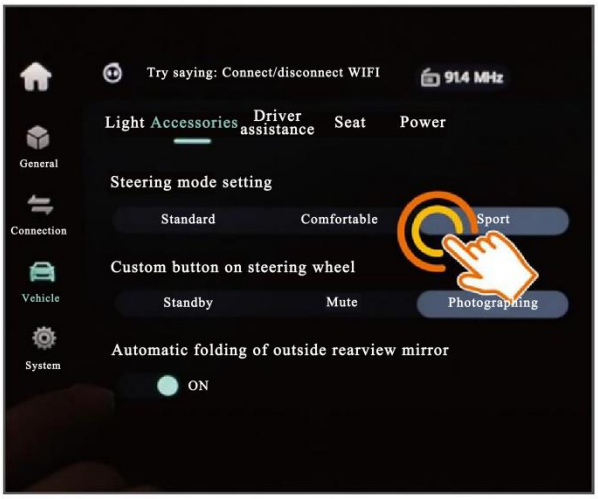
1. Check the specifications of the coolant to confirm whether the freezing point is suitable for the expected temperature in winter.

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

3. Carry appropriate emergency equipment according to weather changes.

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 [Settings]-[Vehicle]-[Accessories]-[Steering Mode Setting] in the display to select the steering mode, including: normal, comfort and sport modes.

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

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

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 vehicle speed, if the steering wheel is turned repeatedly and continuously or the steering wheel is turned to the end for a long time, the EPS will overheat, and the power assist of the steering motor will be reduced or even temporarily unavailable. To avoid this situation, try not to have similar operations.
- When turning the steering wheel quickly, you may hear a rubbing sound, which is not a malfunction. If the EPS fault indicator lamp lights up when the vehicle is running, it indicates that the EPS is abnormal. At this time, it takes more effort to turn the steering wheel. Please reduce the vehicle speed and safely park the vehicle on the side of the road as soon as possible. Turn off the power supply and restart the vehicle after five minutes. If the fault indicator lamp no longer lights up, the vehicle can run normally. If it still lights up, please pay attention to safe driving and contact the Forthing Special Service Station as soon as possible.

Brake assist system

Brake assist (BA) system

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 brake assist system, the hydraulic assist brake system will be activated when the brake pedal is quickly depressed during driving. At this time, the brake assist will produce a larger brake force than that during normal braking, thus shortening the brake distance.

BOS

BOS can automatically reduce the driving force of the vehicle to zero when it detects that the driver has tried to apply the brake but fails.

Anti-lock braking (ABS) system

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 instrument cluster . 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.

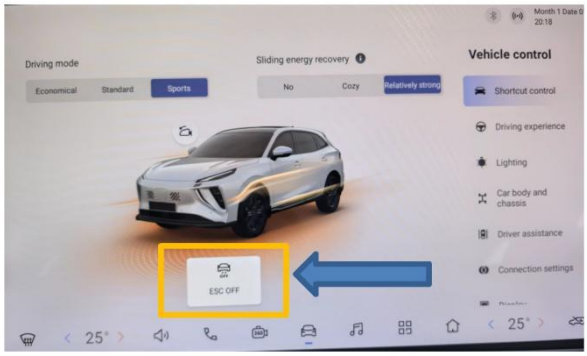
Electronic brake force distribution (EBD) system

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 program (ESP) system

The ESP system can improve the stability of the vehicle. When the ESP system detects that the actual driving state may deviate from the ideal driving state, the ESP system will start to work. The ESP selectively applies brake force to the vehicle brakes to improve the stability of the vehicle.

ESP switch



The ESP system is turned on by default. Press the ESP switch, the ESP system will be turned off, and the ESP OFF indicator lamp on the instrument cluster will come on.

After the ESP system is turned off, when the vehicle speed exceeds 80 km/h, the ESP system will be turned on automatically, and the ESP OFF indicator lamp will go out.

After the ESP system is turned off, press the ESP switch again, the ESP system will be turned on automatically, and the ESP OFF indicator lamp on the instrument cluster will go out.

Hill hold control (HHC) system

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 briefly (up to about 2 seconds) applies brake force to all four wheels to prevent the vehicle from sliding.

Warning

- Do not rely solely on the HHC system to avoid the vehicle sliding down the 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.

The HHC system will operate automatically under the following conditions:

1. When the shift lever is set to D or R and the vehicle is going uphill.

2. When the brake pedal is depressed, and the vehicle stops completely on the ramp.

The HHC system will not operate under the following conditions:

1. When the shift lever is set to N or P or the vehicle is on a level road

2. When the ESP OFF indicator lamp on the instrument cluster comes on.

Hill descent control (HDC)

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

Press the HDC switch, and the HDC working indicator lamp on the instrument cluster will light up, indicating that the HDC system is on. When the HDC switch is pressed again or the vehicle speed exceeds 60 km/h, the HDC working indicator lamp goes out and the HDC system is turned off.

Braking through HDC

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

When the HDC system performs active braking, the HDC working indicator lamp on the instrument cluster flashes and the brake lamp of the vehicle lights up. At the same time, the ESP system of the vehicle will make a sound of motor working, which is normal.

Warning

- Before using the HDC, the driver needs to confirm that the system is on.
- The HDC only controls the vehicle speed through active brake, and the driver needs to pay attention to controlling the vehicle at all times to ensure driving safety.

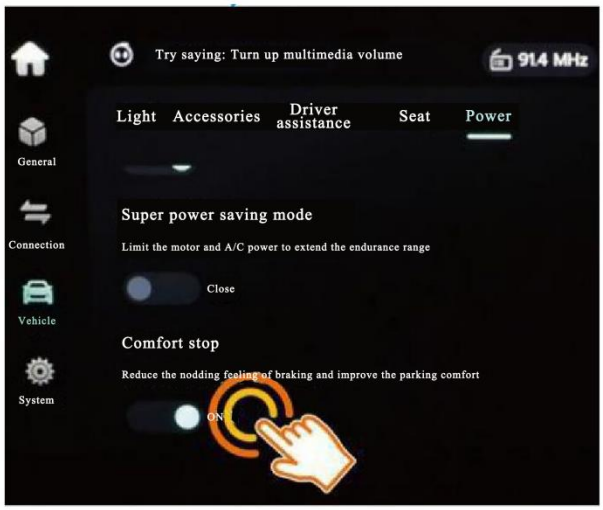
Brake boost

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 depressed, a large brake force will be generated, which is a normal phenomenon.

Comfort stop (CST) system

The vehicle is braked on a flat and 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/off CST system



Click [Settings] - [Vehicle] - [Power] - [Comfort Stop] on the display to turn on or off. After the vehicle is restarted, 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

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

- When the vehicle START/STOP button is set to ACC/ON position, a short "buzzing" sound will be heard, which is the sound of the linear brake system performing self-test and is normal.
- When the vehicle accelerates to about 15 km/h, it will also produce a short "buzzing" sound. This is the sound of ABS self-test, which 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. The sound caused by the rebound of the brake pedal.
2. After the vehicle power supply is turned off, the brake-by-wire system will perform self-test for 5~10 min, and sound will be generated during the self-test, which is normal.

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:

- Parking radar system
- Reversing image system
- AVM

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 parking.

Type 1: 4 rear radar sensors:

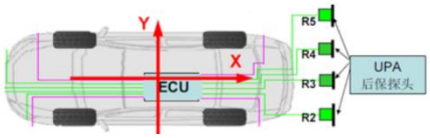


Figure 1.1 Rear 4 Radars

Type 2: configuration of 4 radar sensors at the front and 4 radar sensors at the rear;

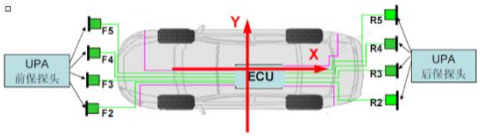


Figure 1.2 Front 4 and Rear 4 Radars

Rear radar

Function ON/OFF

When the following conditions are met at the same time, the rear radar function will be turned on:

1. The START/STOP button is in the “ON” position.
2. The gear is in R position.

When one of the following conditions is met, the rear radar function will be turned off:

1. Switch the to non-R position;
2. The START/STOP button is not in "IGN ON" position

Front radar

Front radar function ON/OFF

When the following conditions are met at the same time, the front radar function will be turned on:

1. The ignition switch is in the IGN “ON” position;
2. The front radar switch is turned on;
3. The gear is not in P position;
4. The electronic parking or parking brake is released;
5. With vehicle speed ≤15 km/h, when the vehicle speed starts to slow down from high speed, the vehicle speed needs to be reduced to 10 km/h before resuming work

When one of the following conditions is met, the front radar function will be turned off:

1. The ignition switch is in the non-IGN “ON” position;
2. The front radar switch is turned off;
3. The gear is in P position;
4. The electronic parking or parking brake is pulled up;
5. Vehicle speed ＞15 km/h.

Detection range

The detection range of the parking sensor is roughly shown in the following table:

Sensor position	Maximum detection distance
Both sides of the rear	70cm
Rear middle	150cm
Both sides of the front	70cm
Middle of the front	120cm

Alarm mode

When a obstacle is detected within the detection range of the parking radar, the display alarm and sound alarm will be displayed in the ICE. 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. The reversing image interface or AVM interface displays the corresponding color according to the distance of the obstacle:

Only the reversing image interface is configured, and the radar sensor alarms:

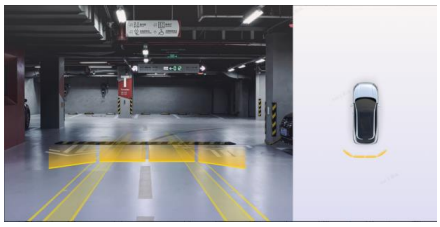


Figure 1.3 Radar alarm display of reversing image interface

AVM interface, radar sensor alarm:

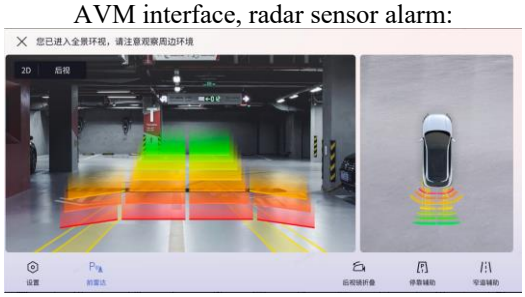


Figure 1.4 Radar alarm display of AVM interface

Fault display

If a single sensor or multiple sensors in front of the vehicle are faulty, the remaining sensors in front of the vehicle will not work; If a single sensor or multiple sensors at the rear of the vehicle are faulty, the remaining sensors at the rear will not work. Please go to the service station for maintenance in time.

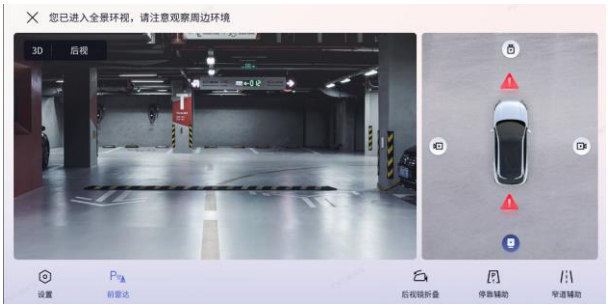


Figure 1.5 Radar fault display

Precautions

1. This system uses ultrasonic sensors to detect nearby obstacles and assist the driver in judging the distance to obstacles, but it does not exempt the driver from the duty of care. Therefore, the driver should not rely too much on this system, and the driver should be responsible for real-time monitoring of the environment during the entire driving process. The manufacturer is not responsible for accidents caused by the negligence of the driver
2. Due to the physical characteristics, the relationship between the position, angle, size, material or background of the object, the detection range may become narrow, and the system may not act or act by mistake, which does not suggests a system abnormality.
3. The radar detection distance will deviate from the actual one. It is only used as a reference. Please do not use it as the only evidence for reversing.
4. Detection failure or poor detection may occur in face of the following places or obstacles:

- Barbed wire mesh, steel cable and other objects;
- Driving in grass or on rugged roads;
- Cotton or materials whose surface is easy to absorb sound waves;
- Foreign matters are attached to the sensor surface;
- The obstacle is a surface with a large radian (such as a low spherical stone pier);
- Ultrasonic noise, metallic sound and high-pressure gas emission sound at the same frequency;
- 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 the front and rear obstacles of the vehicle during parking and reversing, and cannot replace the driver's observation of the surrounding environment.
- Since the parking assist system cannot display the image behind the vehicle and there is a working blind spot, it shall not be used as evidence of safe reversing. The driver is responsible for driving safety.

Reversing image system (if equipped)

The reversing image captures images through a camera installed at the rear of the vehicle, which is convenient for the driver to check the rear obstacle in time when reversing.

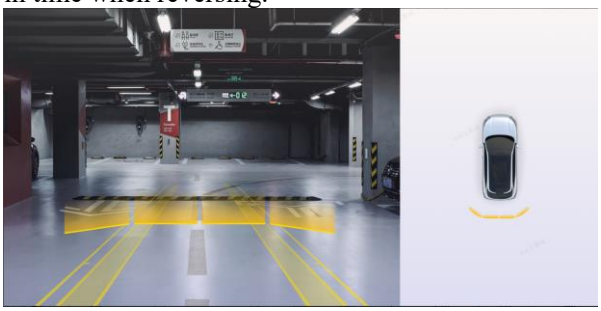


Figure 2.1 Reversing image interface

Turn on and off the reversing image

When the START/STOP button is in the “ON” position, the reversing image will be turned on if the gear is shifted to R, and will be turned off if the gear is shifted to non-R.

Reversing trajectory line

The scale pattern trajectory line has a scale mark, and the scale mark is divided into two sections 0.3-1 m and 1-1.5 m.

The distance of 0.3m from the rear of the vehicle is a reference line.

Width of auxiliary line: indicating outside rearview mirror width + 7 cm

The vehicle dynamic auxiliary line can assist you in judging the reverse trajectory line, and it will be activated only after the steering wheel is turned to a certain angle.

Caution

1 The 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.

2 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. This product is mainly used for driver ADAS purposes, and the driver always has the responsibility to keep a distance from any obstacle.

3 The camera will enlarge and distort the image, and there is a slight delay. Therefore, the AVM cannot replace the driver's

Caution

operation and judgment. Please always pay attention to the safety around the vehicle during use.

4. 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.
5. The dirt on the camera will affect the use of the system. Please clean it in time.
6. The system cannot be used normally in bad weather and insufficient light.

AVM (if equipped)

The AVM can stitch the images of four cameras located at the front, rear, left and right of the vehicle to form a bird's eye view on the display. It is used with reversing radar to make parking safer and more convenient.

AVM ON/OFF

When the START/STOP button is in “ON” position and the vehicle speed is ≤ 30 km/h, AVM will be turned on if one of the following conditions is met:

1. The vehicle is shifted to R
2. Turn on the turn signal lamp;
3. Press the AVM button on the steering wheel;
4. Voice on;
5. "AVM" icon in App Center.

When any of the following conditions is met, the AVM will be turned off:

1. BACK key;
2. After the AVM is triggered in R position, if R position is switched to P position, the AVM will be exited after a delay of 5 s or after the vehicle speed is greater than 30 km/h and D gear is engaged
3. The turn signal lamp returns;
4. Vehicle speed > 30 km/h;
5. Press the AVM button on the steering wheel;
6. Voice exit.

Note: When the vehicle speed starts to slow down from high speed, the vehicle speed needs to be reduced to 25 km/h before the AVM function can be turned on.

Description of surround-view image function

2D view

Click the front, rear, left and right camera icons on the right to switch the corresponding views (the icons will automatically disappear if there is no operation for 5 seconds).

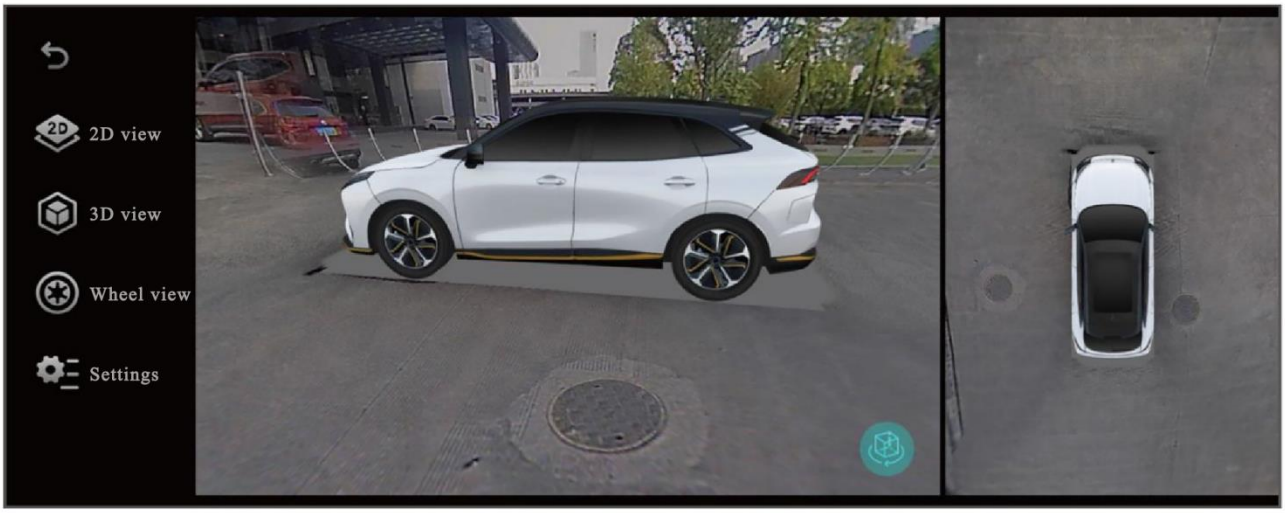
Front and rear wide-angle views

In the panoramic [2D view] interface, touch any position of the front and rear single views to enter the corresponding front wide-angle and rear wide-angle interfaces.

3D view

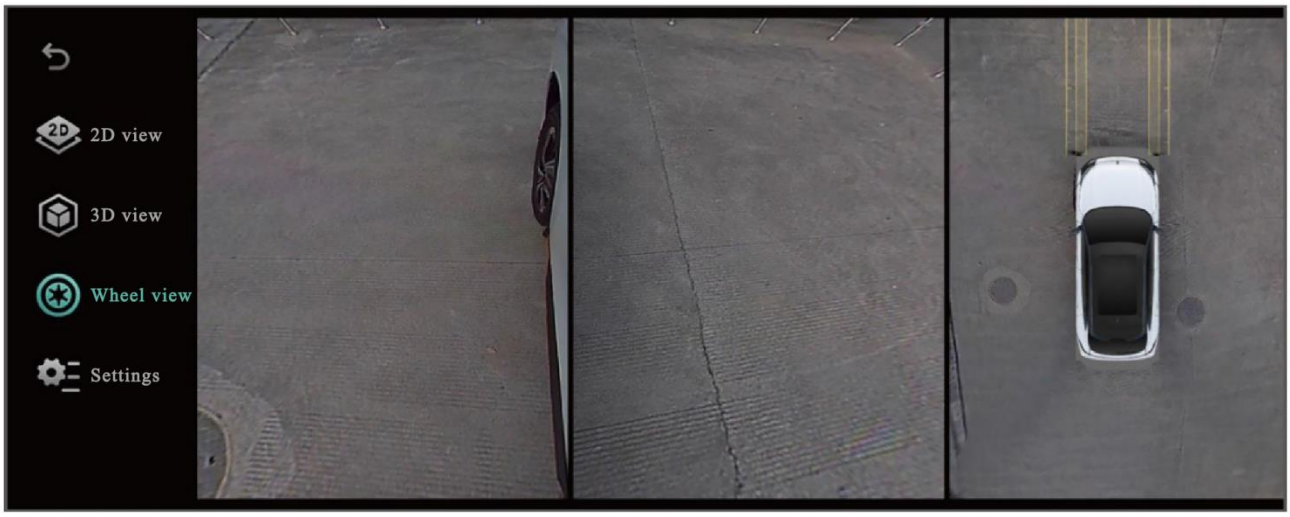
Click [3D View] on the left to enter the 3D view interface. Click and drag any area of the image display to rotate 360° with an accuracy of 1°. Zooming and dragging are supported.

3D surround view



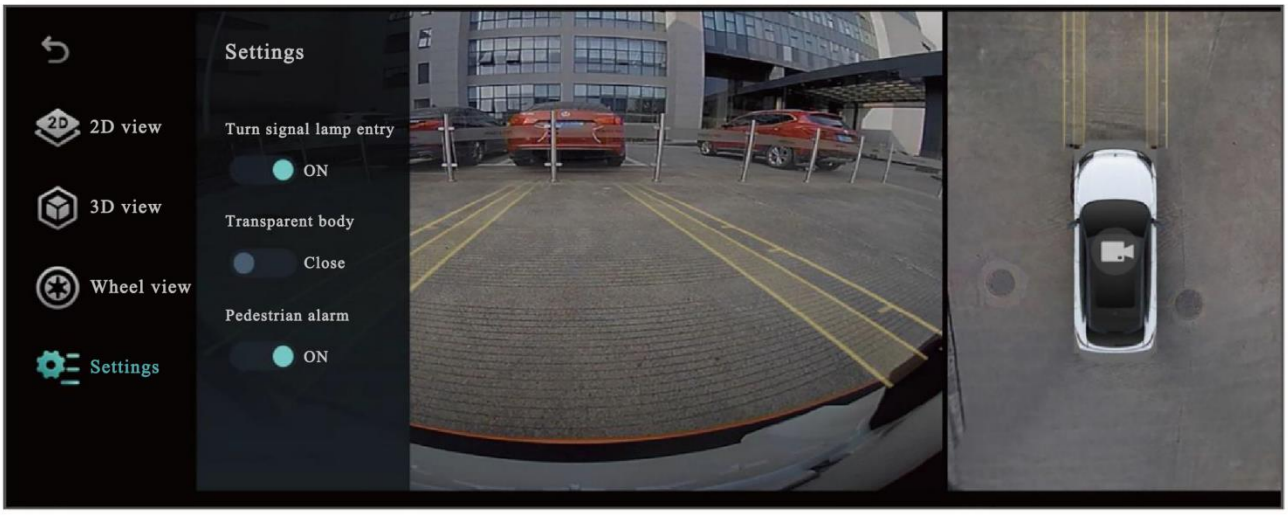
In the [3D View] interface, click the 3D surround icon at the lower right corner of the single view to enter the surround interface. The surround time is maintained for 7 s.

Wheel view



Click [Wheel View] to switch to the corresponding view.

Settings



Click [Settings] to turn on and off the turn signal lamp entry, transparent car body, pedestrian alarm (if configured) and other functions in the settings. Initialization is off by default, and all have memory function.

The 2D front and rear single view (middle) and the 2D stitching view (right) have auxiliary lines. The auxiliary lines switch to the front and rear directions with the shift of D and R positions. The actual length indicated by the auxiliary lines is 5 m.

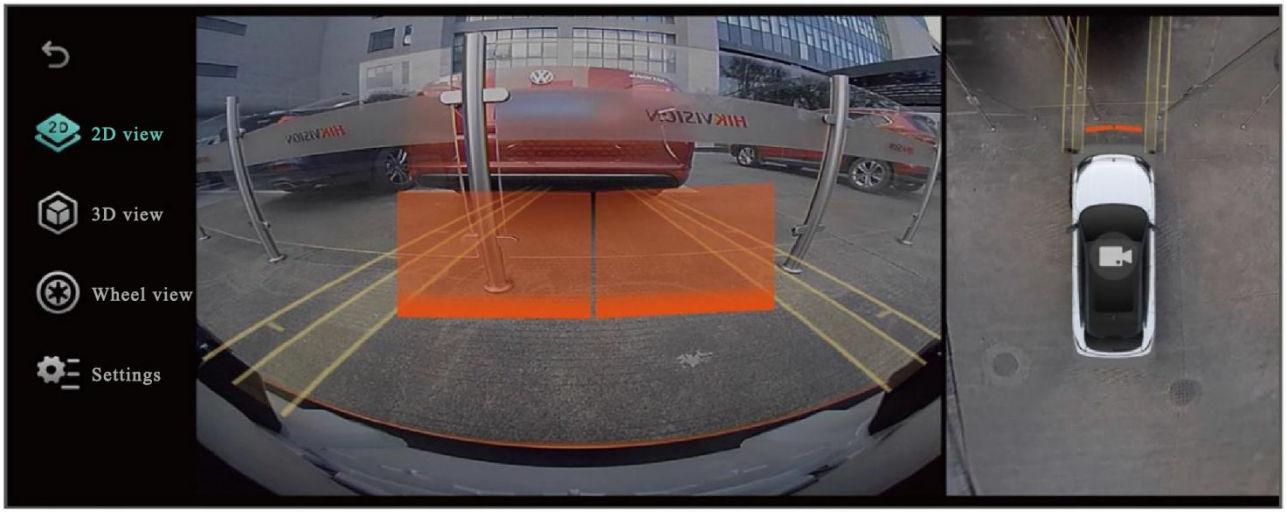
The width of the outer layer is the longest distance of the outside rearview mirrors on both sides plus 7 cm. The inner layer width is the wheel width.

The scale pattern trajectory line has scale marks, which are divided into three sections of 0~0.3m, 0.3~1m and 1~1.5m.

Warning

The 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 panoramic interface, when the working conditions of the radar system are met, the obstacle board will be displayed and there will be an alarm sound.

Caution

After the four radar sensors on the front and rear sides detect the obstacle, only the obstacle board is displayed, and there is no alarm sound.

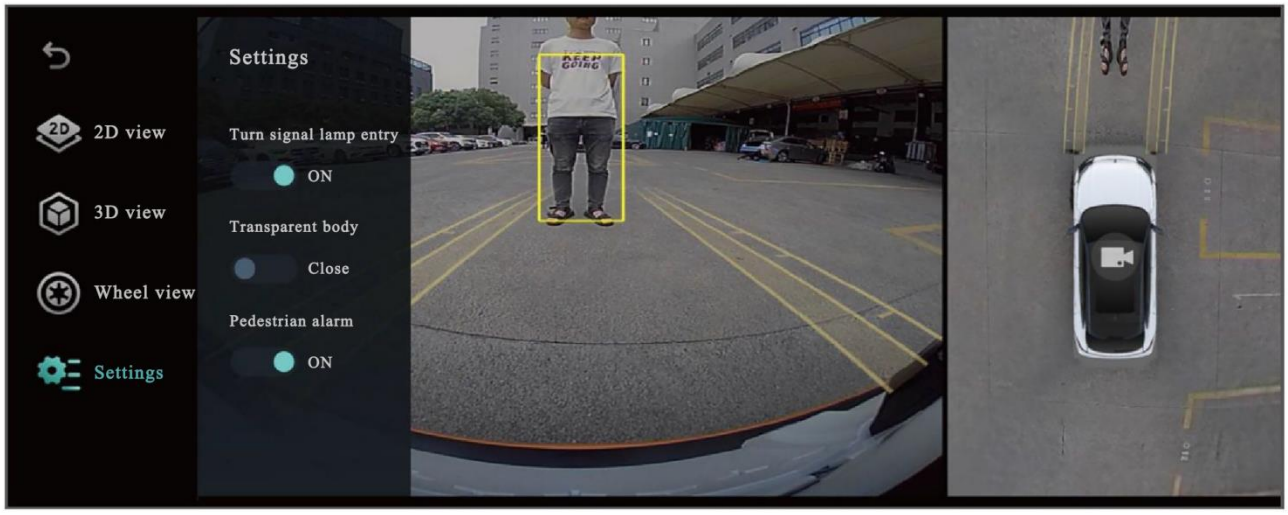
Steering view

When the turn signal lamp entry function switch is turned on (not in R position), turn on the left/right turn signal lamp to enter the corresponding left/right steering angle. After adjusting the 04 steering rod, exit the AVM interface after a delay of 1 second.

Rear cross traffic alert (RCTA) system*

In the AVM interface, the alarm will be displayed when the alarm conditions of the angle radar are met.

Moving object detection (MOD) system



The MOD system monitors the immediate vicinity of the vehicle in real time through four surround view cameras around the bodywork, and gives an alarm when a moving object or pedestrian approaches.

Open when the following conditions are met:

1. Non-P position.
2. The vehicle speed is lower than 15 km/h during acceleration.
3. The pedestrian alarm switch in the AVM setting interface is turned on.
4. The EPB switch is released.
5. The AVM interface is displayed.

Caution

- The 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.
- 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 AVM is mainly used for ADAS, and the driver always has the responsibility to keep a distance from any obstacle.
- The camera will enlarge and distortion the image, and there will be a short delay. The functions (radar, image) of all parking assist system of the vehicle cannot replace the driver operation and judgment. Please always pay attention to the safety around the vehicle during use.
- The AVM 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
- 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 system cannot be used normally in bad weather and insufficient light.

CCS

The CCS allows the driver to keep the vehicle running at a preset speed higher than 40 km/h without depressing 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. It is strictly forbidden to use CCS on icy and snowy roads.

Button description:

1. Cruise reset/acceleration button

Restore the set cruising speed and control the vehicle at this speed.

If the cruise control function is turned on:

Press this button: the set cruise speed increases by 1 km/h.

Long press this button: the set cruise speed increases continuously by 5 km/h.

2. ACC pause button

Press this button to pause the cruise control function.

3. Cruise control button

Press this button to turn on or off the cruise control.

4. Vehicle speed setting/deceleration button

Set the current vehicle speed as cruising speed and control the vehicle according to this vehicle speed.

If the cruise control function is activated:

Press this button: the set cruise speed decreases by 1 km/h.

Long press this button: the set cruise speed decreases continuously by 5 km/h.

Caution

When driving uphill or downhill, the actual cruising speed may deviate from the set vehicle speed. When the vehicle speed increases downhill, the brake pedal can be used to slow down, which will pause the cruise control function. If you need to restore the original set vehicle speed, just press the cruise reset/acceleration button.

Cruise control on and pause

Activation conditions

1. Press the cruise control button.
2. The vehicle speed is within the range of 30~130 km/h.
3. Press the vehicle speed setting/deceleration button.
4. The brake pedal is not depressed.
5. The vehicle is in D position.
6. The system is not faulty.

Pause conditions

The cruise control function can be paused in any of the following ways:

1. Lightly depress the brake pedal.
2. The vehicle is in P, N or R position.
3. Press the ACC pause button.
4. Press the cruise control button again.
5. The system is faulty.

The 1st, 2nd and 3rd modes only pause the cruise control mode. When the conditions are met, the cruise control can be resumed by pressing the cruise control reset/acceleration button. The 4th and 5th modes can turn off the cruise control completely.

Change the set vehicle speed

The cruise control vehicle speed can be changed by any of the following methods.

1. Press the cruise reset/acceleration button or vehicle speed setting/deceleration button to increase/decrease the vehicle speed.
2. Depress the accelerator pedal, release the pedal when the vehicle speed is increased to the desired state, and press the vehicle speed setting/deceleration button.
3. Depress the brake pedal, release the pedal when the vehicle speed is reduced to the desired state, and press the vehicle speed setting/deceleration button.

Caution

Even if the cruise control function is turned on, the accelerator pedal can still be used to accelerate for overtaking. After overtaking, release the pedal. If the cruise conditions are still met, the vehicle will resume the original set cruising speed.

Cruise control function reset

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 reset/acceleration button to re-enter the cruise state, and the vehicle will resume the original set cruise speed.

When the cruise control button is pressed to cancel the cruise function, the system will completely turn off the cruise control and cancel the cruise speed set before the turn-off.

Assist driving*

Introduction

The ADAS can assist the driver in observing and perceiving the surrounding environment during driving. It provides collision warning, active safety and cruise control for driver to ensure driving safety.

The main functions of the driver assistance system include:

1. FCA.
2. LDA.
3. ACC.
4. IHC.
5. TSR

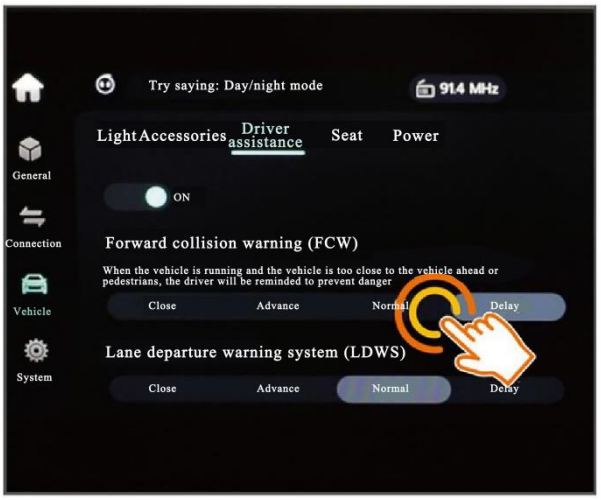
Forward collision assist*

Forward collision assist (FCA) 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.

Forward collision warning (FCW) system

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



Click [Settings] - [Vehicle] - [ADAS] - [FCW] switch on the display to select the FCW system.

When the setting switch is in the closed state, the yellow FCWS off indicator lamp is always on.

FCW switch

With the function switch turned on, the function will be activated when the vehicle speed is within 8-200 km/h, and the vehicle condition in front of the vehicle will be monitored in real time.

Function trigger

Level-1 alarm

The level-1 alarm is triggered when the vehicle may be in collision danger. The FCWS warning lamp on the instrument cluster flashes in red, the driving interface turns red in front, and the prompt box [Danger ahead, please be careful] is displayed, accompanied by medium frequency alarm sound.

Level-2 alarm

The level-2 alarm is triggered when the vehicle is about to collide. The FCWS warning lamp on the instrument cluster flashes in red, the driving interface turns red in front, and the prompt box [Danger ahead, please be careful] is displayed, accompanied by high frequency alarm sound.

System interruption

The FCW system will not be triggered if any of the suppression conditions is met:

1. The driver actively steers, and the rotational speed of the steering wheel is too fast or the steering angle is too large.

2. The driver takes over the vehicle control and depresses the accelerator pedal too hard.

3. The driver depresses the brake pedal.

The FCW system may be automatically deactivated in the following cases:

1. The sensor is blocked.

2. Bad weather.

3. The system is faulty.

Automatic emergency braking (AEB) system

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

Click [Settings] - [Vehicle] - [ADAS] - [AEB] on the display to turn on or off.

With the AEB switch turned on, the function will be activated when the vehicle speed is within 8-85 km/h, the vehicle condition in front of the vehicle will be monitored in real time, and the AEB will be triggered when a collision is about to occur.

Function trigger

When the AEB is triggered, the FCWS warning lamp on the instrument cluster flashes in red, the driving interface turns red in front, and the prompt box [Danger ahead, please be careful] is displayed, accompanied by high frequency alarm sound.

The AEB is turned on by default every time the vehicle is started, and it is not recommended that the user turn off the AEB.

When the AEB is off, the yellow FCWS OFF indicator lamp is always on.

System interruption

The AEB will not be triggered if any of the suppression conditions is met:

1. The driver actively steers, and the rotational speed of the steering wheel is too fast or the steering angle is too large.

2. The driver takes over the vehicle control and depresses the accelerator pedal too hard.

The AEB may be deactivated automatically in the following cases:

1. The sensor is blocked.

2. Bad weather.

3. The ESP system is abnormal or turned off.

4. The system is faulty.

The AEB will be interrupted in the following cases:

1. The driver actively steers, and the turning speed of the steering wheel is too fast or the steering angle is too large.

2. The driver takes over the vehicle control and depresses the accelerator pedal too hard.

3. The speed decreases by more than threshold value of 40 km/h.

Caution

- The AEB is an active safety assist system, but it cannot completely avoid collision with the vehicle or pedestrians ahead. The driver must always maintain control of the vehicle and be responsible for the vehicle.
- In case of emergency, the driver shall apply the brake as soon as possible.
- The AEB can only identify regular vehicles that have obtained licenses and are legally driven on the road, 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.

Caution

- The AEB can identify unobstructed pedestrians whose height is between 0.8-2.3m, but cannot detect pedestrians in all cases. For example, pedestrians who are partially shielded, wearing clothes that cannot recognize their body shape, too low height, carrying large objects, poor contrast, etc.
- The AEB cannot identify oncoming vehicles and crossing vehicles in front, and cannot trigger alarm prompts and AEB.
- The response ability of the AEB 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 AEB is usually in the background working state and will not be detected by the driver, so the relevant target vehicle or pedestrians will not be displayed when they are detected.
- To give the best detection performance of the AEB, the camera is required to receive as much information as possible about the body shape. This means that the head, torso, arms, legs, etc. can be identified in conjunction with standard human movements.
- The AEB recognition function requires sufficient contrast between pedestrians and the environmental background. Too bright or too dark lighting has a negative impact on the system. The delay in detecting a pedestrian or the inability to detect a pedestrian due to pedestrian posture or environmental influences means that the alarm and automatic braking will be delayed or cannot be activated.
- The system may not be able to detect the vehicle ahead when the sensor is blocked by ice, snow or dust on a curved road or a ramp. Please clean the front windshield of the vehicle.
- The performance of the AEB will be limited in case of low visibility, such as in heavy fog, rain or snow.
- In complex traffic situations, the AEB may not recognize the vehicle in time, resulting in alarm prompts and automatic braking lag.

· On a smooth road, the braking effect may be reduced and the brake distance may be increased.

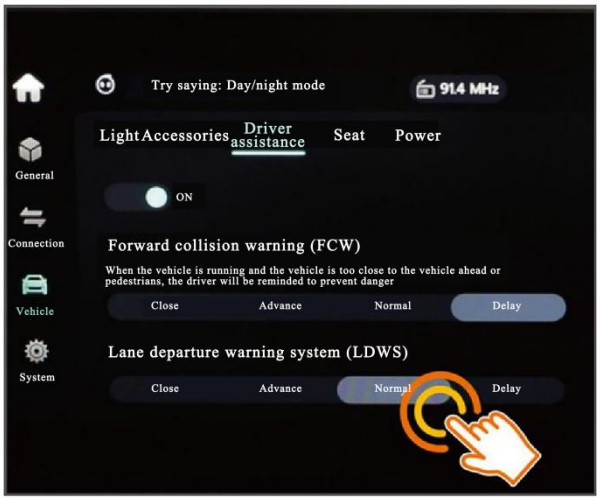
LDA*

The LDA includes lane departure prevention and lane departure warning (LDW). During driving, it provides steering correction and alarm prompt for the driver when the vehicle unconsciously deviates from the lane.

Lane departure warning (LDW) system

The LDA includes lane departure prevention and lane departure warning. During driving, it provides steering correction and alarm prompt for the driver when the vehicle unconsciously deviates from the lane.

Function activation



Click [Settings] - [Vehicle] - [ADAS] - [LDW] on the display to select the LDW system function.

When the LDW system is on but not activated, the white LDW indicator lamp is always on.

Function activation

When the LDW system detects the lane marking and the vehicle speed is greater than or equal to 70 km/h, it will automatically enter the function activation state.

The lane marking of the vehicle is continuously detected after the LDW system is activated and displayed in the driving interface of the instrument cluster. If no lane marking is detected, it will not be displayed. After the LDW system is activated, the green lane departure 1 working indicator lamp is always on.

Function trigger

When the vehicle may deviate from the lane, the steering wheel will turn slightly to correct the vehicle back to the lane. The deviation side lane marking of the driving interface of the instrument cluster turns yellow.

When the vehicle is about to deviate from the lane, the vehicle will send an alarm prompt, and the lane marking on the deviated side on the instrument cluster driving interface will turn red and flash, accompanied by a medium frequency alarm sound.

System interruption

The LDW system will not be triggered if any of the suppression conditions is met:

Turn on the turn signal lamp (or hazard warning lamp).

The LDW system will delay triggering in the following scenarios:

1. When the LDW system enters the curve cut-in mode on a curve (125m < lane curvature < 250m), the early warning will be delayed.

2. When the LDW system enters the narrow lane adaptation mode in a narrow lane (2.5m < lane width < 3.0m), the early warning will be delayed.

When any of the following conditions is met, the LDA system will exit the activated state:

1. The vehicle speed is lower than 70 km/h.

2. Lane marking on both sides disappear.

Caution

- The lane marking detection status cannot be used to determine whether the vehicle is in the lane. The driver needs to control the direction of the vehicle.
- The LDW system is only an auxiliary reminder system. At any time, the driver should pay attention to the surrounding driving environment and judge whether to change lanes.

The LDW system may be limited under the following conditions:

1. When driving against strong light.

2. When the lane marking is blocked by other obstacles.

3. When driving on a road covered with rain and snow.

4. When the lane marking is blurred or the light is weak at night.

5. In foggy or rainy weather with low visibility.

6. When the lane marking is too narrow or the curvature of the curve is too large.

7. When the front view camera sight is blocked due to the close distance with the vehicle ahead.

8. When there is ice, snow or dust stains on the front windshield blocking the front view camera.

9. When driving in complex road lines such as lane marking bifurcation, intersection, sidewalk or construction area.

10. Shadows from railings, trees, or other objects on the pavement may cause misidentification.

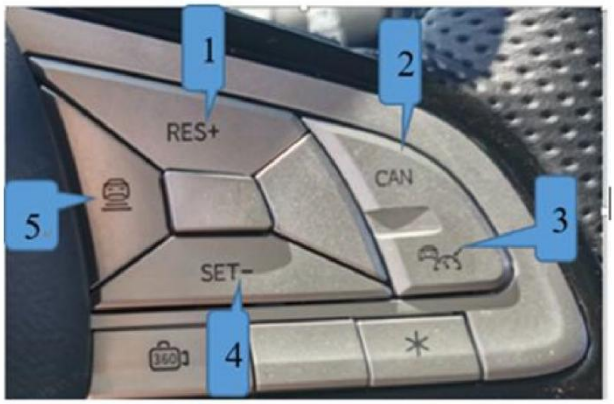
Cruise assist*

Cruise assist is mainly an ACC system. During driving, the vehicle runs at the cruising speed set by the driver.

Adaptive cruise control (ACC) system

The driver can use the ACC to set the vehicle speed within the range of 0~130 km/h, and also follow the vehicle at cruising speed within the following distance allowed by the system. Depending on whether there is a vehicle ahead, the system can also automatically switch between vehicle speed control and distance control.

Button description:



1. ACC vehicle speed reset/acceleration button

Restore the previously set vehicle speed and control the vehicle at that speed.

If the cruise control function is turned on:

Press this button: the set cruise speed increases by 1 km/h.

Long press this button: the set cruise speed increases continuously by 5 km/h.

2. ACC pause button

Press this button to pause the cruise control function.

3. ACC button

Press this button to turn on or off the ACC.

4. ACC vehicle speed setting/deceleration button

Set the current vehicle speed as cruising speed and control the vehicle according to this vehicle speed.

If the cruise control function is turned on:

Press this button: the set cruise speed decreases by 1 km/h.

Long press this button: the set cruise speed decreases continuously by 5 km/h.

5. Distance adjustment button

Set the following distance with the vehicle ahead. Four modes can be set: near, medium, far and ultra far.

Function activation

Short press the ACC function button to activate the function.

The white ACC indicator lamp on the instrument cluster will come on and the cruising speed will be displayed.

Function activation

When the vehicle speed is greater than 30 km/h, press the setting/vehicle speed deceleration button to activate the function, and the cruising speed is displayed as the vehicle speed when it is activated.

The green ACC indicator lamp on the instrument cluster will come on and the cruising speed will be displayed.

When the vehicle activation conditions are not met, the instrument cluster prompts [ACC function cannot be activated].

Function failure

When the instrument cluster green ACC indicator lamp flashes and a takeover request is sent at the same time, it indicates that an external fault causes the ACC system to exit, but the current action will still be completed.

Cruise control

When the vehicle ahead is not recognized, the vehicle will run at the speed set by the driver, which can be adjusted through the cruising speed adjustment button.

1. The cruising speed range can be set to 30-130 km/h.

2. The cruising speed can be adjusted by the reset/acceleration button and the setting/deceleration button. Short press to increase/decrease 1 km/h, and long press to increase/decrease 5 km/h. When the driver adjusts the vehicle speed, the cruising speed and number changes are displayed accordingly.

3. After the driver actively adjusts the cruising speed, the vehicle will accelerate/decelerate comfortably according to the current vehicle ahead speed state, and finally reach the cruising speed.

Cruise control

When the vehicle ahead is recognized, the vehicle will run at the distance set by the driver, which can be adjusted through the cruising speed adjustment button.

1. When the vehicle recognizes the target ahead and performs distance-following, the target ahead is highlighted in blue.

2. When the cruise control is activated for the first time, the distance is the farthest position by default, and the last distance is memorized for subsequent vehicle distances.

3. There are 4 cruise control distance positions in total. The cruise control distance can be adjusted through the distance adjustment button. Press the button to increase/decrease the cruise control distance by one position cyclically.

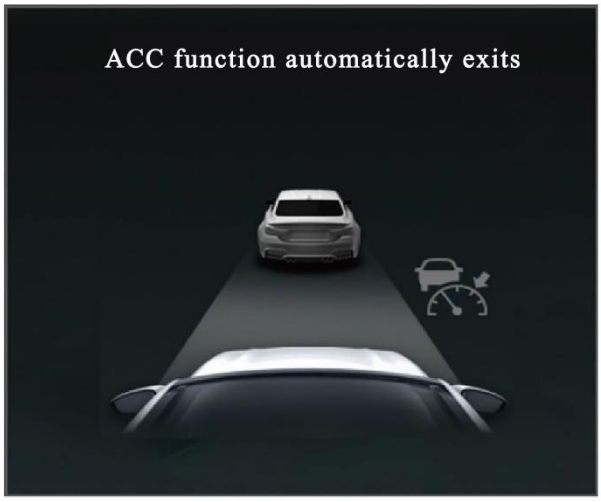
4. After the driver adjusts the distance, the vehicle will accelerate/decelerate comfortably according to the distance adjustment, and finally reach the cruising distance.

5. After the vehicle following stops, if the vehicle ahead starts within 3 s, the vehicle following will start. After 3 s, the instrument cluster will prompt [Please gently depress accelerator pedal or press RES+ button] and it will be reactivated after the operation.

System interruption

If the ACC meets any of the following conditions, the system will exit:

1. The ACC button is off.
2. The ACC pause button is turned off.
3. Depress the brake pedal.
4. Any door is open.
5. The driver's seat belt is not locked.
6. The vehicle speed is out of the valid range.
7. Keep the accelerator pedal depressed for a long time.
8. Turn the steering wheel sharply.



In specific driving situations, the deceleration capability of the ACC is insufficient to maintain a sufficient distance between the vehicle and the preceding object, and the ACC will require the driver to take over the vehicle in time.

The ACC will give visual and audible indications to the driver, and the instrument cluster will give a text prompt [Please take over the vehicle] accompanied by a buzzer, and the driver needs to intervene in driving.

When the ACC exits due to an external fault, the instrument cluster green ACC indicator lamp flashes and the request [Please take over the vehicle] is sent, but the current action will still be completed.

Caution

- The ACC is not a safety system, a obstacle detector or a collision warning system, but a comfort system. Therefore, during the ACC activation, the driver shall always observe the road conditions, keep monitoring the vehicle and take full responsibility for the vehicle.
- The ACC is suitable for use on highways and roads with good conditions, but not suitable for use on urban roads or mountain roads.
- For safety reasons, please use the ACC with caution, pay close attention to the surrounding environment and be ready to take over the vehicle during urban driving, traffic jams and curved roads.
- It is not allowed to use ACC on hill roads, smooth roads (where water skiing is likely to occur), roads with poor conditions (such as slippery roads, waterlogged roads, gravel roads, construction roads, etc.) and bad weather with low visibility (such as heavy fog, rainy days or snowy days, etc.), or when snow, ice, fog, dirt and dust block the sensor, otherwise there is a risk of accidents!
- The ACC can only adjust the distance between the vehicle and the vehicle in front, and usually cannot detect vehicles on other lanes, other sides of the vehicle (except the rear), children, pedestrians, animals or other objects and apply braking for them.
- If there is an oncoming vehicle on the same lane, the ACC will not respond.
- When driving on a turning lane, highway exit or construction section, the ACC shall be turned off temporarily.
- The ACC can assist the driver, but cannot replace the driver. Even if the ACC is turned on, the driver must drive carefully, be ready to take over the vehicle at any time, and obey the traffic rules.

Caution

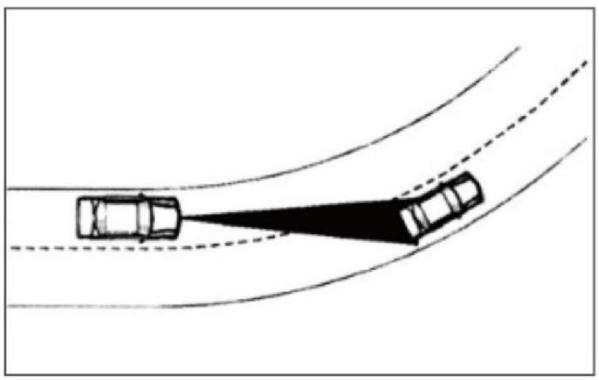
- The driver should set the ACC vehicle speed and following distance reasonably according to the current road, traffic and weather conditions, and the set vehicle speed should not be too high to avoid accidents.
- In some cases (the relative speed of the vehicle in front is too high, sudden deceleration, parking, fast lane change or safe distance is too small, etc.), the ACC may not have time to decelerate. In order to avoid collision with the vehicle in front, the driver shall always pay attention to the road conditions, keep monitoring the vehicle and take full responsibility for the vehicle.
- The ACC cannot detect the objects loaded on the following target vehicle that protrude from the side, rear end or roof of the bodywork or the attached accessories. If the vehicle in front is equipped with the above special loads or special equipment, be sure to turn off the ACC when overtaking such vehicles, and the driver shall actively depress the brake pedal as appropriate.
- Do not turn on the ACC system when towing a vehicle.
- When the ACC stops the vehicle, be sure to be ready to depress the brake pedal.
- When the ACC stops the vehicle, the driver must place the shift lever in P position and turn off the START/STOP button before leaving the vehicle.
- For safety reasons, the set vehicle speed will be deleted after the vehicle is turned off.
- If the instrument cluster prompts [ACC function exits automatically] and the ACC cannot be turned on again, it indicates that the vehicle is abnormal during this operation and needs to be restarted.
- When the TCS or ESP is triggered, if the ACC is controlling the vehicle, the ACC will be automatically turned off.

Caution

- If the TCS system or ESP system is in closed state, the ACC system cannot be turned on.
- When the road conditions allow the safe use of the ACC, the ACC can be manually turned on.
- The driver can depress the accelerator pedal at any time to increase the vehicle speed. After the accelerator pedal is released, the vehicle speed will gradually return to the set ACC speed. However, the driver should be aware that unintentionally depressing the accelerator pedal for a long time will make the ACC unable to start by itself, and may cause collision with the vehicle ahead.
- The following vehicle diagram is only displayed when a vehicle traveling in the same direction on the same lane is detected.
- If the following vehicle is not displayed in the diagram, the ACC will not respond or apply the brake for the vehicle ahead.
- The ACC system is subject to physical laws and the system itself during driving. In addition, under certain conditions, the response of the ACC may be different from the driver's idea. Therefore, the driver must always pay attention and intervene if necessary.

Special scenarios

Vehicles entering/exiting curves

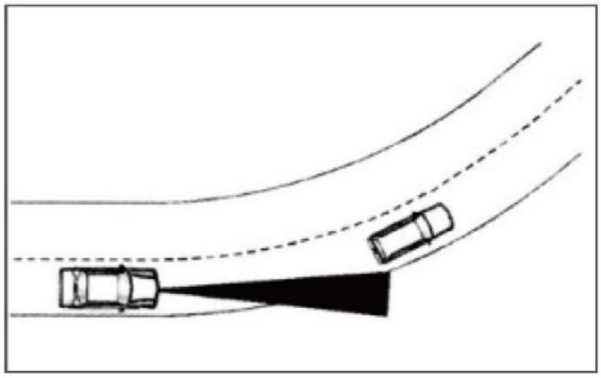


When driving in/out of a curve, the ACC may react to a vehicle in an adjacent lane and brake the vehicle. This braking process can be ended in advance by actively depressing the accelerator pedal.

Caution

When using ACC on curves, the driver should pay close attention to the surrounding environment and vehicle conditions, select appropriate cruising speed and cruising distance, and be ready to take over the vehicle at any time.

Vehicles in curves

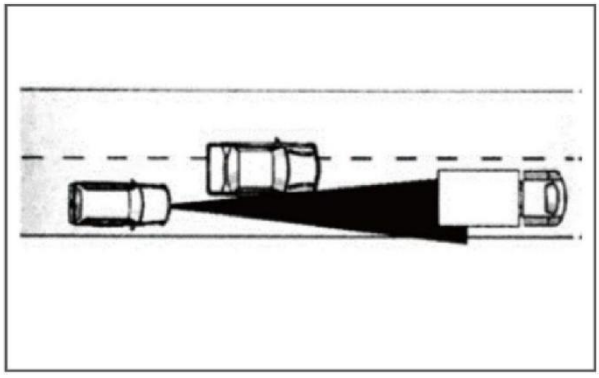


- When the vehicle is in a curve, the ACC may not be able to detect the vehicle ahead in the same lane, and the driver may lose control of the vehicle or have an accident. Please pay close attention and be ready to take over at any time.

Caution

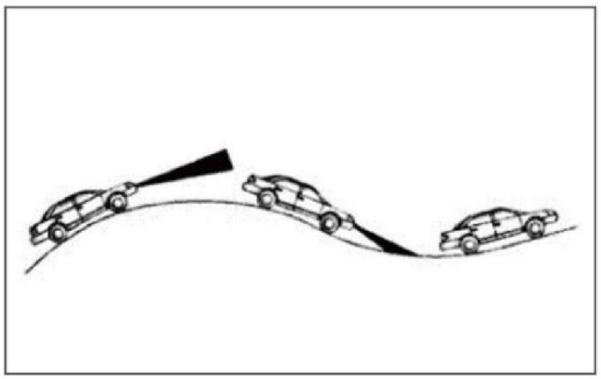
- In case of sharp turns, the ACC may reduce the vehicle speed or operate differently from straight road.
- When the vehicle is in a curve, the ACC may not be able to detect the vehicle ahead in the same lane, and the driver may lose control of the vehicle or have an accident. Please pay close attention and be ready to take over at any time.

Vehicles not running on the same straight line



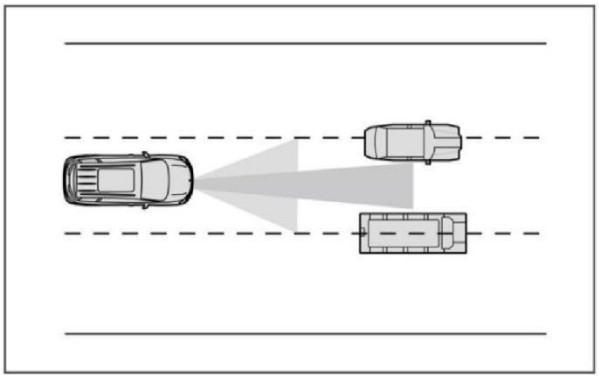
For vehicles that are not running on the same straight line (vehicles in adjacent lanes change lanes to enter), if they do not enter the recognition range of the camera sensor, the sensor may not be able to detect these vehicles, resulting in a delay in ACC response. The driver needs to pay close attention to the vehicle action in the adjacent lane and take active intervention if necessary.

Vehicle running on a slope



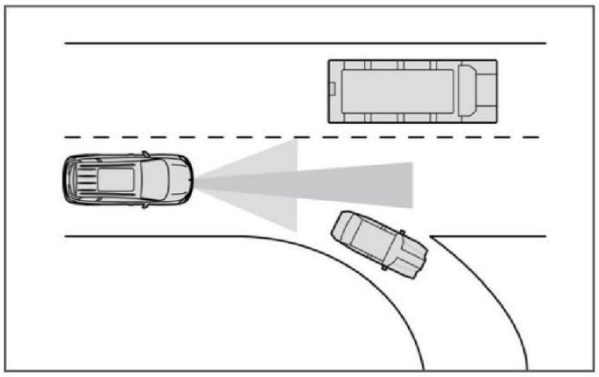
Do not use ACC on steep ramps. On steep ramps, the ACC cannot detect vehicles in the same lane, and the ACC will be automatically released when the driver applies the brake frequently.

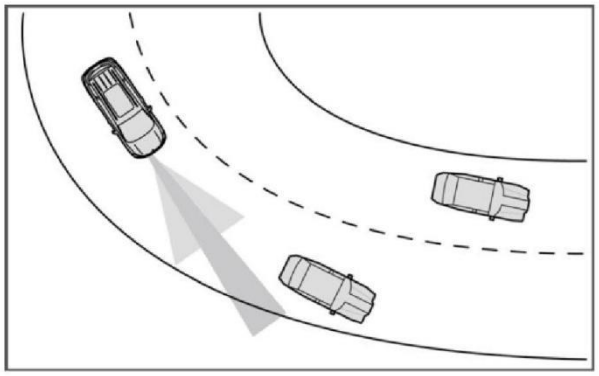
Vehicles running in narrow lanes



ACC cannot accurately judge the width of the lane ahead. When you feel that you cannot pass normally, please immediately release the ACC system by depressing the brake pedal and take over the vehicle.

Vehicle running on the ramp of expressway

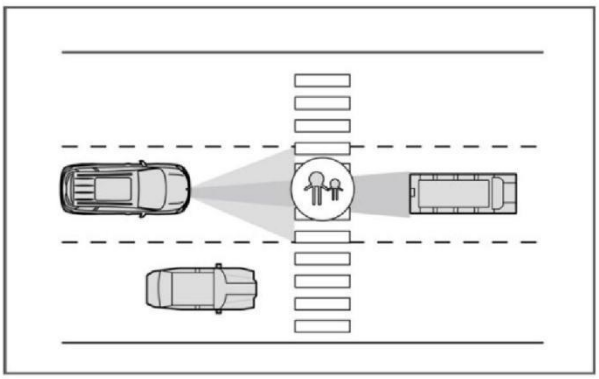




When the target vehicle following ahead drives off the expressway or turns, ACC will lose the target and the system may automatically accelerate. If the vehicle is driving on an expressway ramp, the system may lose the target due to excessive curve, and the system may accelerate automatically.

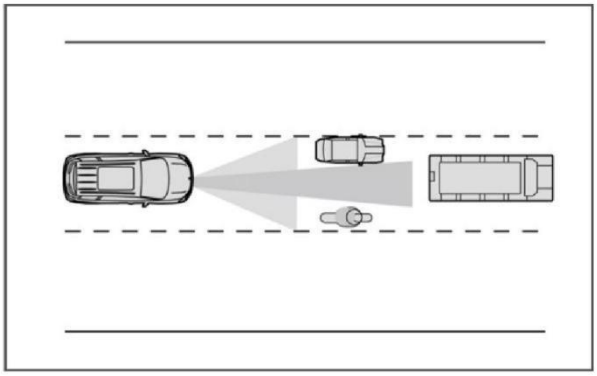
In view of the above situation, if you feel uncomfortable, you can release the ACC system by depressing the brake pedal at any time and take over the vehicle.

Pedestrian in front of the driving direction of the vehicle



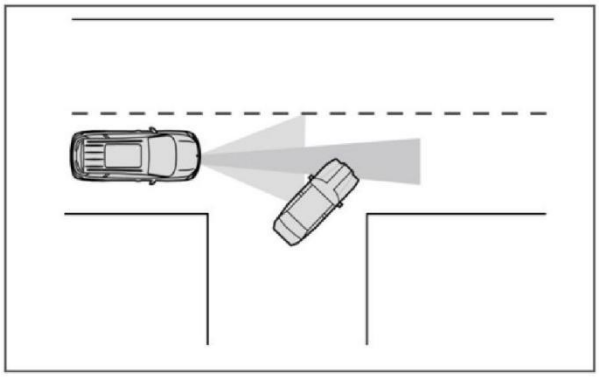
The ACC cannot detect pedestrians. Once the driver finds that there are pedestrians in front of the driving direction of the vehicle, he/she must take over the vehicle actively.

Vehicles that are difficult to identify (motorcycle, bicycle, etc.)



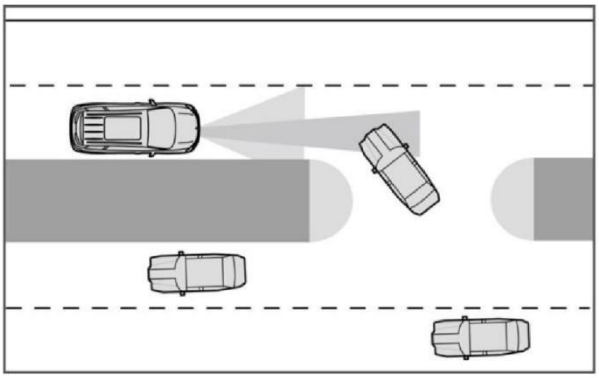
The ACC cannot guarantee the detection of all types of vehicles on the driving path, especially narrow vehicles such as electric vehicles, bicycles and motorcycles, or vehicles with high chassis and loads exceeding the bodywork. The driver needs to pay close attention to the surroundings of the vehicle.

Vehicle cutting in from the front.



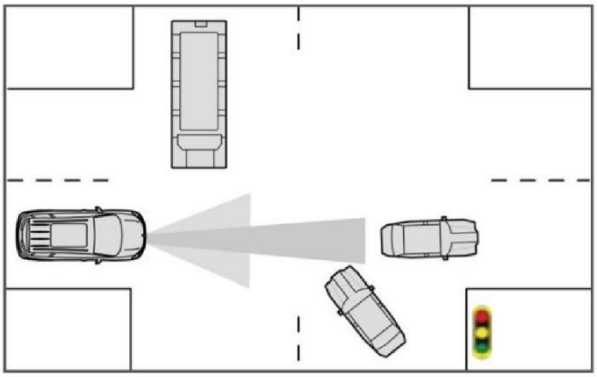
When another vehicle suddenly cuts in front of the vehicle in the direction of travel, the ACC may not be able to quickly control the vehicle or apply emergency brake. In this case, the driver shall pay attention to the traffic conditions in front of the vehicle in the direction of travel.

When the target vehicle makes a U-turn or turns at a right angle



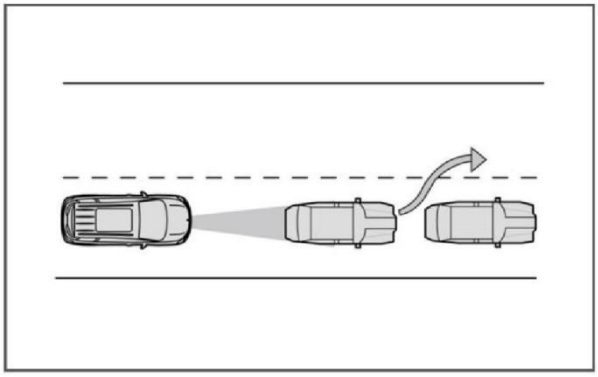
When the target vehicle followed by the vehicle makes a U-turn or turns at a right angle, the sensor will lose the target and the system may automatically accelerate. The driver needs to keep an eye on the surroundings and be ready to take over at any time.

Traffic light change at intersection



When the target vehicle followed by the vehicle passes through the intersection, the driver shall pay attention to the change of traffic lights, and actively intervene the vehicle when necessary to avoid violation of traffic rules.

Stationary vehicle



If the vehicle ahead suddenly changes to another lane behind a stopped vehicle, the system may not have enough time to brake, and the driver needs to take over the vehicle if necessary.

Automatic high-beam control (IHC) system*

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.

Function activation

Click [Settings] - [Vehicle] - [ADAS] - [IHC] on the display to turn it on or off.

On the premise that the switch is turned on, when the vehicle speed is greater than 45 km/h, the vehicle light control is in AUTO position, and the IHC function is turned on the premise that the low beam is turned on.

Function trigger

Low beam to high beam: when the ambient environment is dark, the vehicle automatically switches from low beam to high beam.

High beam to low beam: when the ambient light source is sufficient, the vehicle automatically switches from high beam to low beam.

System interruption

If the IHC system meets any of the following conditions, the system will exit:

1. The low beam is off.
2. The IHC system is off.
3. The vehicle speed drops below 25 km/h.
4. The light control handle is in the overtaking lamp position.
5. The light control handle is not in AUTO position.

Caution

- Rain, ice, snow, dense fog and dirt may cause degradation of IHC performance.
- When the light of the oncoming vehicle is blocked (such as the crash barrier), IHC may not work properly.
- When there are highly reflective objects (such as traffic signs) near the road, IHC may not work properly.
- 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.

Traffic sign recognition (TSR) system*

When the vehicle passes a traffic speed limit sign, the TSR system recognizes the speed limit sign through the front-view camera and automatically displays the speed limit sign on the instrument cluster to remind the driver to drive carefully.

Function activation

Click [Settings] - [Vehicle] - [ADAS] - [TSR] on the display to turn on or off. After the switch is turned on, the function is automatically turned on after the vehicle is started.

Function trigger

When the vehicle passes a speed limit sign, the instrument cluster displays the speed limit sign. When the vehicle exceeds the speed limit, the speed limit sign on the instrument cluster flashes and disappears after 10 s or lower than the speed limit.

Function deactivation

1. The vehicle turns around at a low speed.

2. The vehicle has traveled a certain distance.

3. The vehicle turns on the turn signal lamp for steering.

4. The vehicle detects a speed limit end sign.

Caution

- The TSR system cannot accurately identify embedded traffic signs and traffic signs with auxiliary signs.
- The TSR system can detect standard signs, 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 system or cause the system to stop working.
- The TSR system is an ADAS function designed to improve the driving convenience and safety of the vehicle, and cannot cope with all traffic and weather conditions.
- TSR system cannot replace the driver's attention and judgment. The driver is always responsible for ensuring that the vehicle runs safely at an appropriate vehicle speed and complies with current traffic laws and regulations.
- The TSR system 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.
- In case of low visibility, such as in heavy fog, rain or snow, the recognition performance will be limited.
- The TSR system may not be able to recognize the traffic sign when the glare (oncoming headlight light or direct sunlight) hinders the view of the front camera.

Caution

- The TSR system may not be able to recognize the speed limit sign when it is blocked by an object.
- The TSR system may not be able to recognize the traffic sign that does not conform to the standard format.
- The TSR system may not respond well under certain traffic conditions, resulting in false or missed identification of signs, so the driver needs to pay special attention to this.

Description of system impact

Description of impact on calibration

1. Removal and installation of inside rearview mirror.

2. Replacement of front windshield. When replacing the front view camera, front windshield, four-wheel alignment of the vehicle, bodywork chassis and other operations that affect the position of the camera, the system needs to be re-calibrated, otherwise the system performance will be reduced or the system will not work normally

Sensor cleaning instructions

1. Structural modification of the vehicle may deteriorate the system function.

2. The operation of the system may also be limited in case of snow, heavy rain or road spray.

3. In order not to affect the camera performance, there shall be no foreign matters (such as labels, add-on parts, etc.) blocking the camera detection part.

4. The camera sensor area of the front windshield will be blocked by snow, ice, dust or mud, which may affect the system function if not cleaned in time.

5. When the camera needs to be cleaned, the instrument cluster will display the prompt shown in the figure below. In this case, please use the spray wiper to clean the glass or contact the Forthing Special Service Station.

6. The visibility of the camera may be reduced due to strong light, dark environment, rain, snow, dirt, dust blocking the sensor, etc. As a result, the vehicle ahead cannot be identified in time or cannot be identified. In this case, please intervene by yourself.

Side rearward driving assistance

The side rear assist system can detect the vehicle behind or in the adjacent lane through the sensors on both sides of the rear bumper. If there is a collision risk, the system will send an alarm to remind the driver to drive safely.

Sensor

The radar sensor is located inside the rear bumper

Caution

The front and rear millimeter wave radars are installed in the front and rear bumpers respectively. In order to avoid affecting the performance of the millimeter wave radar, it is strictly forbidden to paint or install the bumper without permission.

Note

- When towing other vehicles, please turn off the side rear assist system;
- Please keep both sides of the rear bumper clean, do not paste any objects, and do not cover them with foreign matters such as ice, snow, mud, etc., so as not to affect the normal operation of the sensor;
- Improper maintenance or modification of the vehicle may cause misalignment of the sensor and affect the normal operation of the side rear assist system. Therefore, it is recommended that you go to the service provider for maintenance and repair of the vehicle.

Warning

When the radar fails to work normally, the functions that rely on the radar to provide detection information will be limited, resulting in abnormal operation of these functions. At the same time, the radar has a limited detection range and cannot detect targets outside the detection limit.

Poor environmental conditions of the radar will affect the normal operation of the radar. In addition, abnormal target conditions detected by the radar will also affect the detection results of the radar.

The following conditions can cause the radar to fail to detect the target, detect the delay, or detect the error:

- Poor climatic conditions (such as heavy rain, heavy snow, dense fog, etc.).
- The radar surface is covered by foreign matters such as ice, snow, water and dust.
- The target detected by the radar is attached to substances that absorb sound waves, such as snowflakes, foam, cotton objects, etc., or there are objects near the vehicle that can cause incorrect reflection of sound waves.
- The vehicle bumps or shakes due to uneven roads or other reasons.
- The volume of the detected object is too small.
- There are sound sources with the same frequency around.

The above examples, warnings and restrictions do not cover all the conditions that affect the normal operation of the radar sensor.

- In order to protect radio astronomy services working in the same frequency band, vehicles loaded with automotive radars shall not be driven within the interference protection distance of relevant radio astronomy observatories in China.

Alarm lamp

The alarm lamp is located at the mirror housing of the left and right outside rearview mirrors.

Warning

Do not paste any objects on the alarm lamp to avoid affecting the system alarm function.

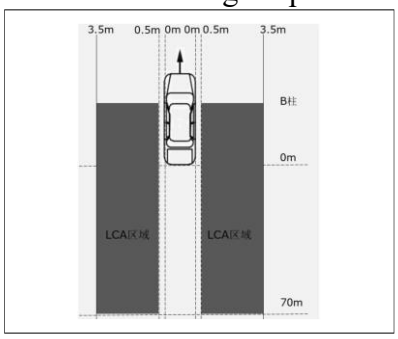
Lane change assist (LCA)

The LCA system includes BSD and LCA, which can detect vehicles approaching the vehicle from the side rear and provide warning information to avoid collision.

Function activation

When the lane change assist switch is on and vehicle speed is ≥15km/h, the function is enabled to monitor the vehicle conditions behind the vehicle in real time to ensure the safety of the user when changing lanes.

The functional monitoring scope is as follows:



The LCA monitoring area is 3.5 m outside the vehicle and about 70 m behind it.

Function trigger

Level-1 alarm: When the target approaches the vehicle to trigger the level-1 alarm, the BSD lamp on the rearview mirror on the same side will be on for a long time;

Level-2 alarm: When the target approaches the vehicle, the level-1 alarm will be triggered, and when the turn signal lamp on the same side is turned on, the level-2 alarm will be triggered, and the BSD lamp on the rearview mirror on the same side will flash, accompanied by an audible alarm.

Caution

When the ambient noise is high, such as the sound volume in the car is too loud or the noise outside the car is too loud, the alarm sound may not be heard.

Setting switch

On ICE [Settings] - [Vehicle] - [ADAS] - [Lane Change Assist], set the switch of the LCA. The function is enabled by default, and the alarm mode can be selected as "display" or "display + sound", and the factory default is "display + sound";

System interruption

The system exits when any of the following conditions are met:

- LCA [OFF];
- The START/STOP button is in the OFF state.
- The vehicle is in a non-D position;
- Vehicle speed ＜12km/h;
- System fault.

Caution

- BSD system cannot replace safe driving and the use of interior rearview mirror and outside rearview mirror.
- The above warnings and limitations do not address all situations that may interfere with the BSD. There are many factors that can cause the BSD system to fail. To avoid collision, the driver should be alert and always pay attention to the road conditions when driving the vehicle, so as to change lanes under safe conditions.

Caution

When driving on a road with large curves, wide lanes or uneven roads, the LCA system may not be able to alarm the vehicle driving in the adjacent lane.

The LCA system may give false alarm under the following conditions:

- When the driving place is close to the protective fence.
- Driving on bridges, under bridges or in

tunnels.

- Drive beside shrubs, trees, etc.
- There are utility poles, street lamps or cement low walls beside the driving road.
- Driving in the vicinity of construction areas such as factory buildings, ports, etc.
- When driving on urban roads or turning at multi-lane intersections.
- There are large, moving metal objects in the blind spot.

Warning

- Please keep the installation position of the bumper radar and the nearby area clean. If it is covered with soil, ice, snow, metal plate, tape, label, leaf, etc., its performance will be affected and the alarm will not work properly.
- If this function fails to work properly due to vehicle collision, scratches, radar fault or abnormality, please contact Forthing 4S store automobile service center in time.
- If there is no fault indication and the radar function is abnormal for a long time, please contact Forthing 4S store automobile service center in time.
- The system only issues warnings for detected vehicles, large motorcycles or objects, so there may be a certain degree of delay, or even no alarm for other targets including pedestrians, bicycle or skateboard.
- The system does not issue a warning for stationary objects. For some metal protective fences, green belts, cement walls, etc., false alarm may occur.
- Extreme weather such as heavy rain, heavy snow, and heavy fog may affect the performance of the radar. Please drive carefully.

Do not use this function in towing mode.

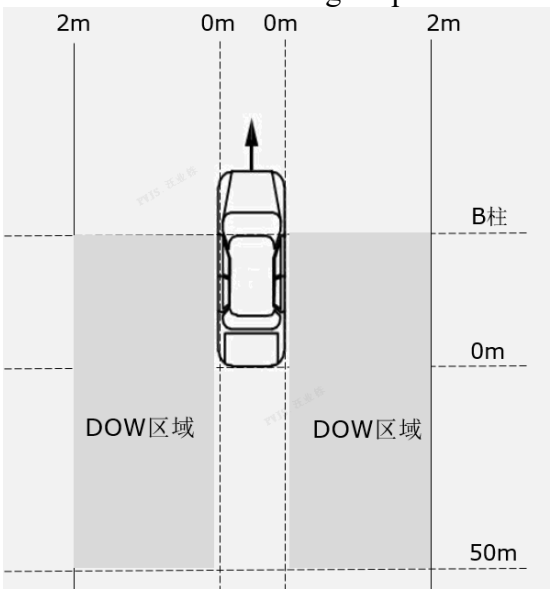
Door open warning (DOW)

When the vehicle is stationary, the DOW system can detect vehicles, cyclists or pedestrians approaching the vehicle from behind. When it detects that a target is approaching, the driver or passenger opens the door, and the DOW system will send a warning message to avoid the danger of collision.

Function activation

When the DOW switch is turned on, and the vehicle is in ON/ACC/Ready position, the function will be activated if the vehicle speed is 0 km/h, the vehicle condition behind the vehicle can be monitored in real time to ensure the safety of users getting off the vehicle;

The functional monitoring scope is as follows:



The DOW monitoring area is 2 m outside the vehicle and about 50 m behind it.

Function trigger

Level-1 alarm: When the target approaches the vehicle to trigger the level-1 alarm, the alarm lamp will be on for a long time;

Level-2 alarm: When the target approaches the vehicle, the level-1 alarm will be triggered; when the door on the same side is opened, the level-2 alarm will be triggered; the BSD lamp on the rearview mirror on the same side will flash, accompanied by an audible alarm.

Caution

- When the ambient noise is high, such as the sound volume in the car is too loud or the noise outside the car is too loud, the alarm sound may not be heard.

Setting switch

On ICE [Settings] - [Vehicle] - [ADAS] - [DOW], set the switch item of DOW. The function is enabled by default, and the alarm mode can be selected as "display" or "display + sound", and the factory default is "display + sound";

System interruption

- DOW [OFF]
- Vehicle speed ＞0km/h;
- Power-off for more than 3 minutes;

- System fault;

Caution

- The DOW system is designed to remind the driver and passengers to pay attention to the environmental safety when opening the door. Due to the performance of the sensor and the complexity of the traffic environment, it may issue unnecessary alarm or no alarm. Actively observing the door environment before getting off is the most effective measure and responsibility for the driver and passengers to ensure personal safety.
- Even when the vehicle is stationary, the DOW system cannot work in all situations, and cannot replace the visual observation of the driver and passengers, as well as the functions of the inside and outside rearview mirrors. Do not rely too much on the DOW system.
- The DOW system is effective only when the vehicle is stationary, and will not work when the vehicle is moving.

Caution

DOW does not always work in all situations. Unnecessary, untimely, invalid or omitted warnings may occur for a variety of reasons, such as:

- Radar is limited.
- Small or stationary targets.
- The target is moving too fast or is turning. For example, the target vehicle changes lanes to the rear of the vehicle, and other vehicles suddenly change lanes to the rear of the vehicle and appear in the detection area.
- Other vehicles and cyclists directly behind the vehicle.
- The subject vehicle stops at a corner or beside a wall.

The above warnings and limitations do not address all situations that may interfere with the DOW system. There are many factors that can cause the DOW failure. In order to avoid the risk of scratching when opening the door, please remember to observe whether the door opening environment is safe and suitable.

Warning

- Please keep the installation position of the bumper radar and the nearby area clean. If it is covered with soil, ice, snow, metal plate, tape, label, leaf, etc., its performance will be affected and the alarm will not work properly.
- If this function fails to work properly due to vehicle collision, scratches, radar fault or abnormality, please contact Forthing 4S store automobile service center in time.
- If there is no fault indication and the radar function is abnormal for a long time, please contact Forthing 4S store automobile service center in time.
- The system only issues warnings for detected vehicles, large motorcycles or objects, so there may be a certain degree of delay, or even no alarm for other targets including pedestrians, bicycle or skateboard.
- The system does not issue a warning for stationary objects. For some metal protective fences, green belts, cement walls, etc., false alarm may occur.
- Extreme weather such as heavy rain, heavy snow, and heavy fog may affect the performance of the radar. Please drive carefully.

Do not use this function in towing mode.

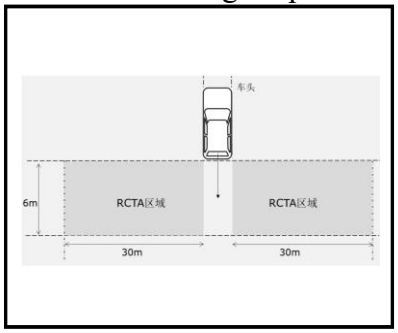
Rear cross traffic alert (RCTA)

When the vehicle is reversing, RCTA can detect vehicles, cyclists or pedestrians crossing behind the vehicle. When it is detected that there is a collision risk when the vehicle reverses, an early warning message will be issued to avoid collision risk.

Function activation

When the RCTA switch is turned on, the function will be activated if the vehicle is in R position and vehicle speed is ≤15km/h, and the rear crossing vehicles can be monitored in real time to ensure the safety of reversing.

The functional monitoring scope is as follows:



The RCTA monitoring area is 30 m outside the

vehicle and about 6 m behind it.

Caution

The vehicle speed shall be reduced below 12 km/h after ＞15 km/h before it can be turned on again;

Function trigger

When a target approaches the rear of the vehicle during reversing, the alarm lamp will flash, accompanied by an audible prompt and display on the parking assist interface;

Caution

When the ambient noise is high, such as the sound volume in the car is too loud or the noise outside the car is too loud, the alarm sound may not be heard.

System interruption

- The vehicle is not Ready;
- Non-R position;
- Vehicle speed ＞15km/h;
- RCTA [OFF];
- System fault.

Setting switch

On ICE [Settings] - [Vehicle] - [ADAS] - [RCTA], set the switch item of RCTA, which is enabled by default.

Warning

- As a ADAS function, RCTA cannot cope with all traffic, weather and road conditions, and may be faulty, inappropriate or untimely due to several factors.
- RCTA cannot replace safe driving and the use of interior rearview mirror and outside rearview mirror.
- RCTA is only a reminder and will not stop the vehicle. Do not rely on this function to avoid collision or reduce collision impact.
- RCTA is for reference only and is not a substitute for your visual inspection. You must always pay attention to the traffic conditions and road conditions, and make your own decision on whether to use RCTA while ensuring safety. You always bear the ultimate responsibility for safe driving and compliance with current traffic laws and regulations.

Precautions and limitations

- The instrument cluster display is only for illustration and does not fully reflect the real traffic conditions. Therefore, do not rely on the display content of the instrument cluster.
- RCTA does not respond to targets in the radar blind spot. RCTA cannot detect the vehicles behind through the obstacle or the parked vehicles. RCTA does not always work in all situations. Unnecessary, untimely, invalid or omitted warnings may occur for a variety of reasons, such as:
  - Radar is limited;
  - The detected object is moving too fast;
  - There are large, moving metal objects in the blind spot.

- The following conditions may cause radar recognition degradation and affect the performance of the RCTA system, including but not limited to:
  - The radar is misplaced or blocked, or covered with mud, ice and snow, metal plates, tape, labels, leaves, etc.;
  - The radar or surrounding area is impacted by driving due to vehicle collision, scratches, etc.;
  - Rain, snow, fog, haze and other extreme weather conditions may affect the performance of the radar;
  - Due to the limitation of radar target identification characteristics, in rare special cases, false alarm may be generated for some metal guardrails, green belts, cement walls, etc.;

- The following targets are not guaranteed to be identified and may be responded to, including but not limited to:
  - Motorcycle
  - Battery vehicle
  - Three-wheeler
  - People

- The following objectives will not be responded to, including but not limited to:
  - Animals
  - Bicycle
  - Oncoming/same-direction vehicles
  - Other non-vehicle objects

The above warnings and limitations do not address all situations that may interfere with the RCTA. There are many factors that can

cause the RCTA system to fail. To avoid collision, the driver should be alert and always pay attention to the road conditions when driving the vehicle so that the vehicle can be reversed safely.

Rear collision warning (RCW)

During driving, when the rear vehicle is too close to the ego vehicle and there is a collision risk, an early warning message is issued to avoid collision risk.

Function activation

When the RCW switch is turned on, the function will be activated if the vehicle is in N, P or D position, and the blind spot behind the vehicle can be monitored in real time. When it is detected that the identified target is too close to the vehicle and there is a risk of rear-end collision, a warning message is provided.

The functional monitoring scope is as follows:

Regular maintenance

Item	Contents of inspection
Coolant level of drive system	Regularly check whether the coolant level in the three-in-one coolant expansion tank and the traction battery coolant expansion tank is between the lower limit (MIN) and the upper limit (MAX) mark.
Brake pedal	Check whether the brake pedal can be operated freely before driving.
Horn	Check whether the horn is normal before driving.
Door	Check whether the liftgate 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.
Windshield defroster	Check the air outlet of the defroster every month when the heater and A/C are used.
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 professional maintenance can keep the vehicle in good condition. The following describes how to keep the appearance of the vehicle clean, including: vehicle washing, paint, polishing and wheel, etc., 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. It is recommended to wash the body 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 and components of the body. It is recommended to rinse the vehicle thoroughly with cool 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:

1. 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.

2. 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 engine 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 parts and components reach the warranty period or the sealing strip surface is found to be worn and 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

Engine compartment

Open the engine hood

1. Pull the engine hood release handle located under the right side of the dashboard, and the engine hood will bounce slightly.

2. Toggle the fuse lock lever to the left and lift the engine hood.

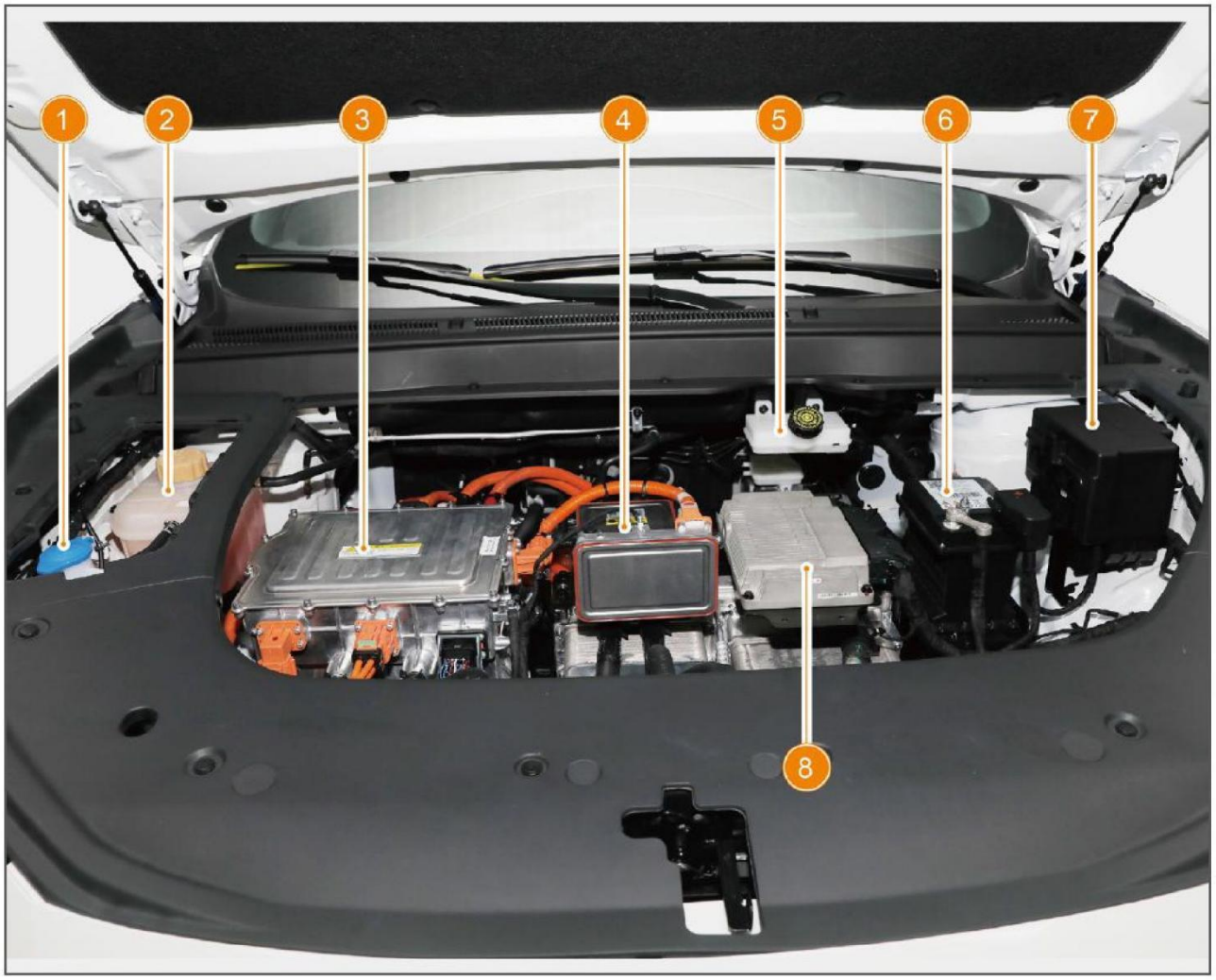
Close the engine hood

For models without engine hood gas stay bar, lift the engine hood to a height of about 30 cm from the closed position, and then release it to fall freely to close. For the model equipped with the engine hood gas stay bar, pull down the engine hood to a height of about 30 cm from the closed position, and then push it down to close it, and confirm that it is locked in place. If it is not locked in place, press the front middle of the engine hood firmly until it is fully closed.

Arrangement of engine compartment

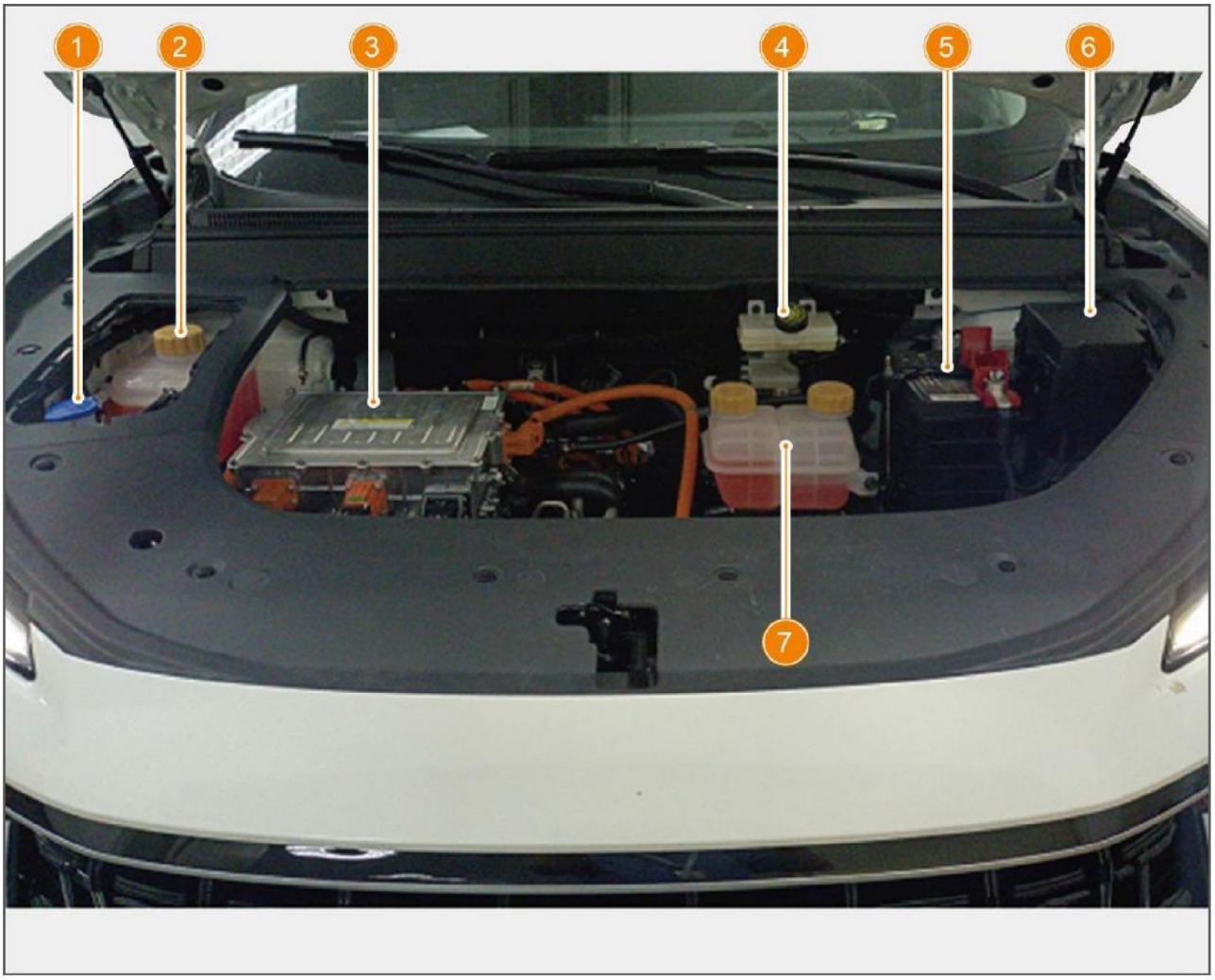
The picture is for reference only, and the actual vehicle shall prevail.

Type I



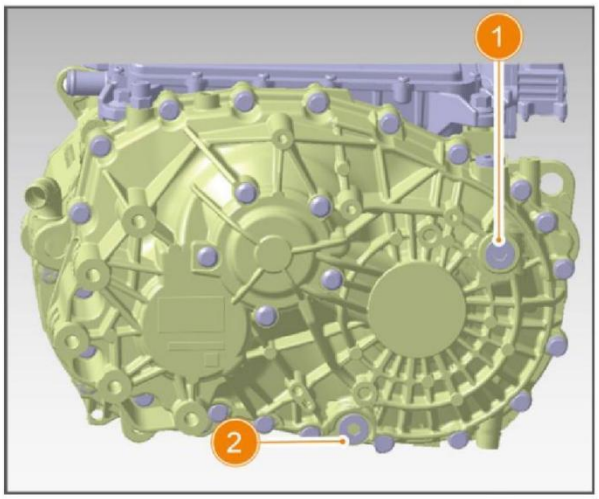
1. Washing liquid reservoir
2. Coolant expansion tank
3. Three-in-one controller box
4. PTC
5. Brake fluid reservoir
6. 12V low-voltage battery
7. Engine compartment fuse box
8. TMS

Type II



1. Washing liquid reservoir
2. Coolant expansion tank (motor and controller circuit)
3. Three-in-one controller box
4. Brake fluid reservoir
5. 12V low-voltage battery
6. Engine compartment fuse box
6. Coolant expansion tank (traction battery and PTC circuit)

Reducer lubricating oil



1. Oil filler
2. Oil drain

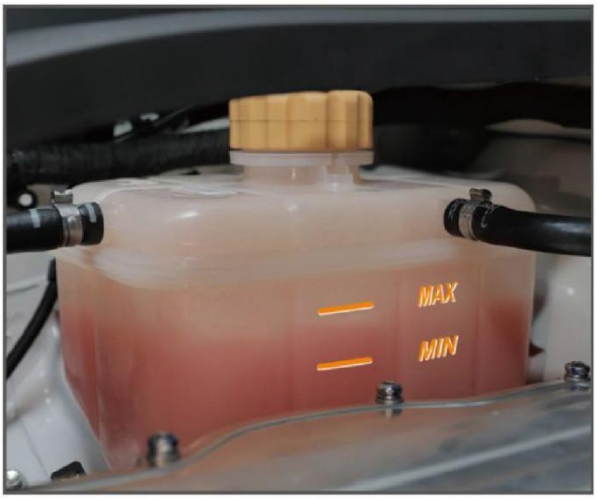
The lubricating oil in the reducer shall be changed as specified. When replacing, the oil in the reducer shall be completely drained, and then new lubricating oil shall be injected.

Please select the reducer lubricating oil suitable for the vehicle.

Item	Type	Filling quantity
Reducer lubricating oil	Total APIGL-475W-90 or Castrol BOT384	1.3±0.05L

Coolant of drive system

Type I coolant inspection



Type II coolant inspection

Coolant expansion tank (motor and controller circuit)

This coolant expansion tank is consistent with type I.

Coolant expansion tank (traction battery and PTC circuit)

Check whether the coolant level is between the upper limit (MAX) and the lower limit (MIN) scale. If it is lower than the lower limit, add coolant to the coolant expansion tank until it is near the upper limit.

Coolant supplement

Open the coolant expansion tank cover to add coolant. Tighten the cover after adding. Coolant of different brands shall not be mixed, otherwise chemical reaction may occur, affecting the service life of the drive motor. Please use the all-season anti-freeze coolant specified by Forthing. Do not replace the all-season anti-freeze coolant with antifreeze and water.

Warning

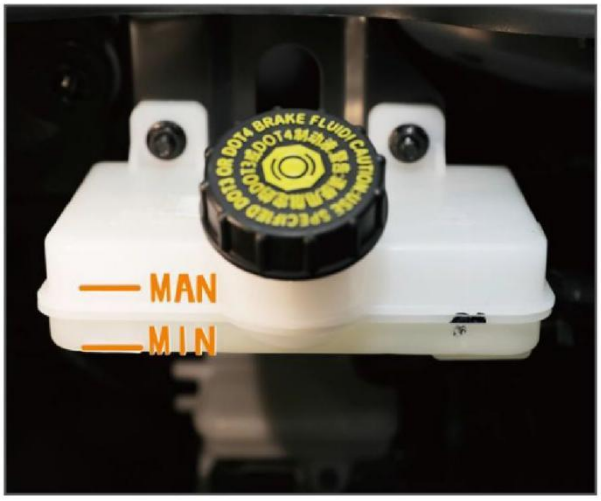
When the drive system is not completely cooled, opening the coolant expansion tank cover may cause the coolant to spray out, causing serious burns. Before opening the coolant expansion tank cover, it must be confirmed that the drive system has cooled down.

Coolant replacement

Under normal circumstances, the coolant needs to be changed every 2 years or 20,000 km, whichever comes first.

Brake fluid

Checking brake fluid



1. The level in the fluid reservoir shall be checked once a month.

2. The level shall be between the lower (MIN) and upper (MAX) scale marks on the fluid 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. Please contact the Forthing Special Service Station for brake fluid replacement.

Warning

- Be sure to use the brake fluid specified by Forthing or the DOT4 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 fluids containing mineral oil, as mineral oil will damage sealing parts and sealing plugs of the brake system.
- 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.
- 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.

Warning

- Brake fluid will damage the skin. If the skin or eyes are splashed by it 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 interval for changing brake fluid is every 2 years or 40,000 km, whichever comes first.

2. The technical requirements of the brake fluid shall comply with the relevant provisions of GB12981.

Glass washing liquid inspection

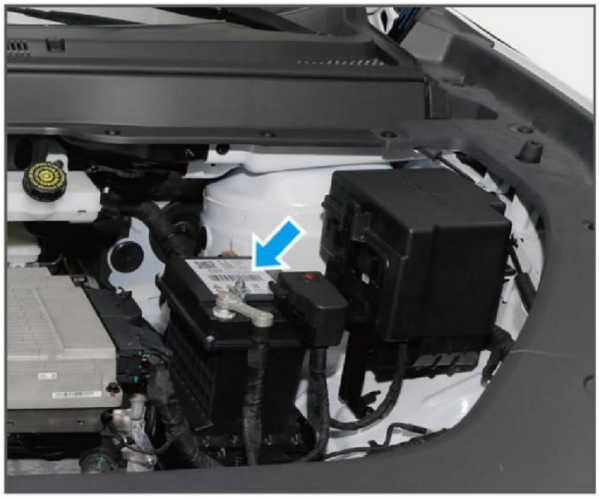
1. Check whether there is enough washing liquid in the washing liquid fluid reservoir.

2. If no water is sprayed when using the wiper spray function, it indicates that the glass washing liquid is insufficient, and the washing liquid can be added appropriately.

Caution

- High-quality glass washing liquid improves stain removal and prevents freezing in cold weather.
- It is recommended to use glass washing liquid specified by Forthing. Antifreeze will damage the surface paint of the vehicle, and the vinegar solvent will damage the front windshield washer water pump.
- If ethanol-based washing liquid is used, the ethanol content of the washing liquid should not be higher than 24%.

12V low-voltage battery



This vehicle is equipped with a maintenance-free 12V low-voltage battery, which is located on the right side of the engine compartment, mainly to provide electric energy for the vehicle start-up and electrical appliances on the vehicle. 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 stops.

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. After the vehicle stops, pay attention to whether the lights, audio, A/C and other electrical appliances are turned off.

4. The condition of the 12V low-voltage battery 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

- 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. When reinstalling, connect the positive cable first, and then connect the negative cable.
- When the vehicle is running normally, 12V low-voltage battery will produce explosive hydrogen gas. Sparks or open flames can 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.

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 20,000 km.

Replace the A/C filter

The A/C filter is located in the A/C box in front of the right floor air duct.

1. Unscrew the self tapping screw of the plastic cover of the A/C filter screen and pull out the plastic cover of the filter screen.

2. Squeeze the upper and lower sides of the A/C filter screen to disengage it from the tabs on both sides, and remove the filter screen.

3. Insert a new A/C filter screen.

4. Insert the plastic cover of the filter screen and tighten the self tapping screw.

When the A/C is not used for a long time

The A/C shall be turned on at least once every two weeks for at least 5 minutes even in cold months. This is to prevent deterioration of lubrication of the parts inside the compressor and to keep the A/C in the best operating condition.

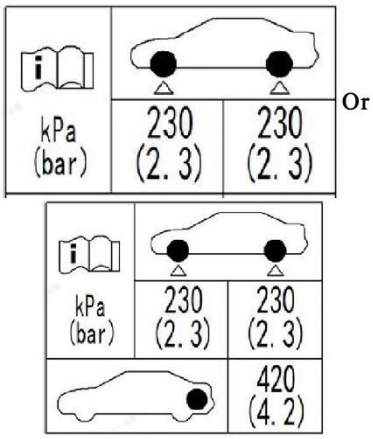
Tire

For safe driving, the tire must be of the right model and size, with good tread and proper tire pressure.

Caution

- The use of excessively worn or underinflated tires will cause accidents and personal injury.
- 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 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. If necessary, inflate or deflate the tire to make the tire pressure reach the recommended cold tire pressure on the label.

If the tire pressure is checked when the tire is in the hot state (after driving for several kilometers), the pressure reading will be 30 to 40 kPa higher than the reading in the cold state. This is normal. Do not deflate the tire to reach the specified cold tire pressure reading, which will result in insufficient tire pressure.

TPMS

The TPMS is used to dynamically monitor the pressure and temperature of the tire. When the tire pressure is abnormal, the instrument cluster will display corresponding alarm information (see the "Warning lamp" section in Chapter IV "Instrument Cluster").

Caution

•Please keep the tire pressure near the standard pressure value. When the tire pressure shows "--" and the specified tire lights up, the TPMS loses the signal. Please contact the Forthing Special Service Station in time.

- 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.

Tire inflation

Maintaining proper tire pressure can achieve the best vehicle maneuverability, driving comfort and tire tread life.

Underinflated tire can cause uneven wear, affect handling and increase fuel consumption.

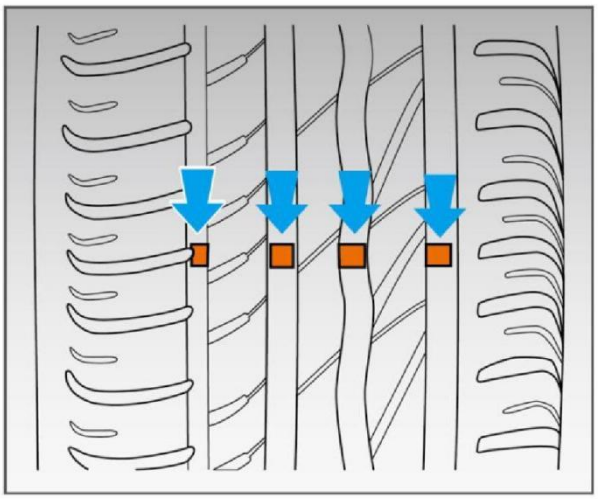
Overinflated tires will reduce the riding comfort, and are more likely to be damaged due to uneven road surface, and cause uneven tire wear.

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. Scratches, cracks or fractures on the side of the tire. If the tire fabric or cord is visible, the tire shall be replaced.

2. Excessive tread wear.

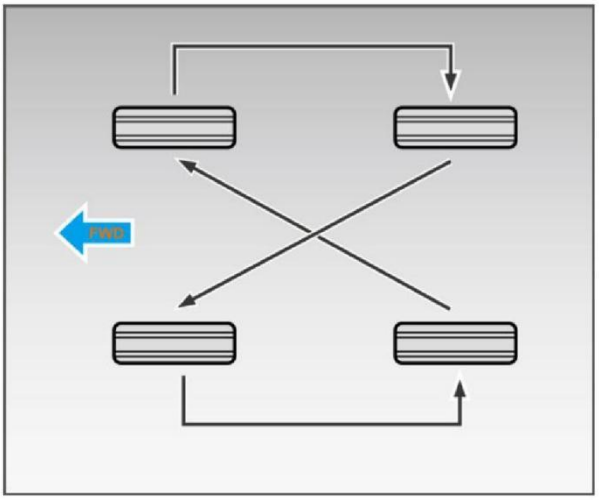


The tire must be kept in good condition, and the tire surface pattern shall be deep enough. The degree of tire wear can be measured by the raised points in the tire driving belt. If the tire tread thickness is less than 1.6 mm, the tire must be replaced. Such tires lack adhesion when driving on slippery 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 specifications: 18 × 6.5J (for specific model), 19 × 7J.

Tire specifications: 235/60 R18 (for specific models), 235/55 R19.

The tire size suitable for this vehicle is subject to the tire label affixed under the driver's door frame, or contact the Forthing Special Service Station.

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 maximum rated speed of the tire during driving.

Replacement of tire and wheel

Radial tires of the same size, load range, rated rotational speed 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 ABS to fail to work properly.

The ABS works by comparing the rotational speed of the wheel, so when replacing the tire, you must use a tire with the same size as the original tire of the vehicle, otherwise the rotational speed of the wheel will be affected and the system may act incoordinately. 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 is consistent with the specifications of the original wheel. Please contact the Forthing Special Service Station before replacing the wheel.

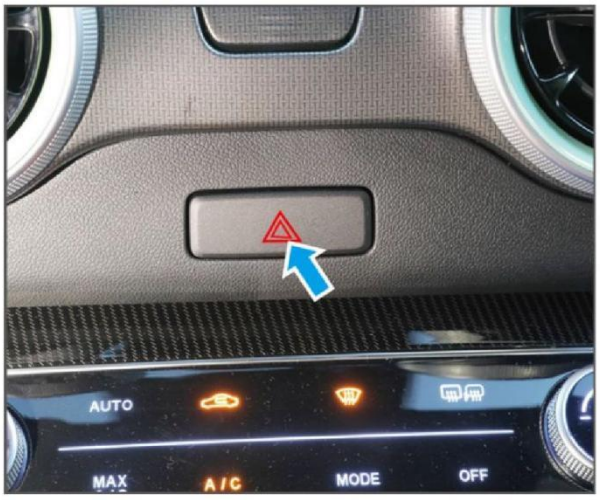
Tire chain

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.

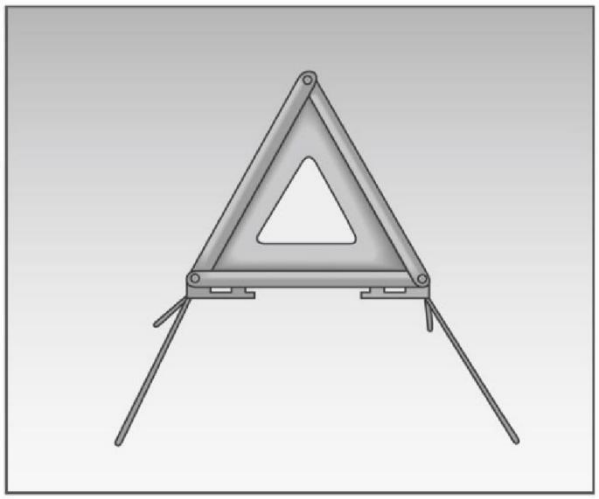
Hazard warning device

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 instrument cluster will flash to remind pedestrians and passing vehicles to avoid the vehicle.

Warning triangle



The warning triangle is placed under the trunk lid and can be seen by lifting the 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.

Tire repair

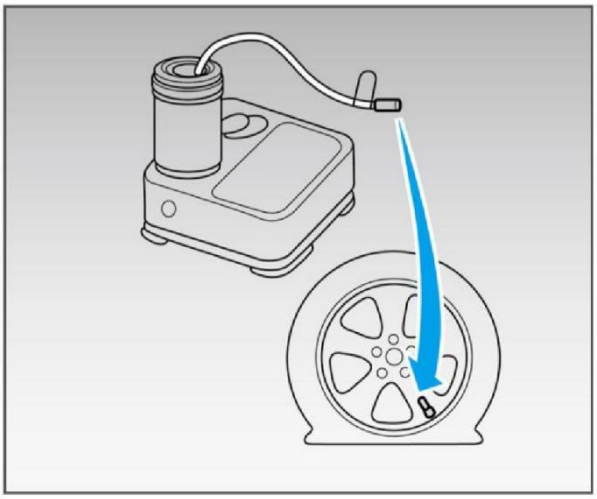
Your vehicle is equipped with emergency tools for car tire repair. Minor damage to the tire tread can be repaired using emergency tools for car tire repair. The tire repair kit is located under the trunk lid.

Instructions for using emergency tools for car tire repair

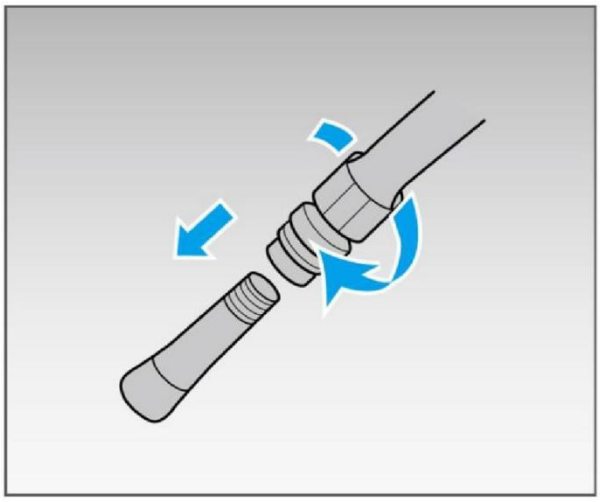
1. If the tire is punctured, please park the vehicle on a solid and flat road away from the traffic flow. After stopping the vehicle, turn off the power supply and pull up the EPB switch. Turn on the hazard warning lamp and place the warning triangle at a suitable distance.

2. Take out the emergency tools for car tire repair kit from the storage compartment under the trunk floor cover, and take out the inflator pump and tire sealant bottle.

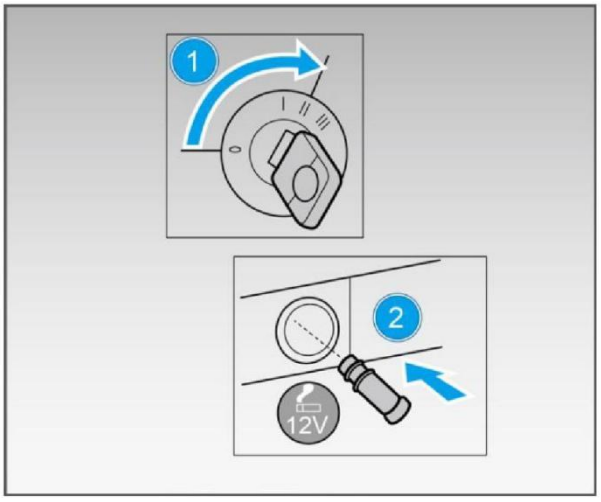
3. Pull out the inflator pump hose and power supply cord, connect the inflator pump hose to the air inlet of the tire sealant bottle, and then tighten it. Insert the tire sealant bottle into the fixing slot on the inflator pump and keep it upright.



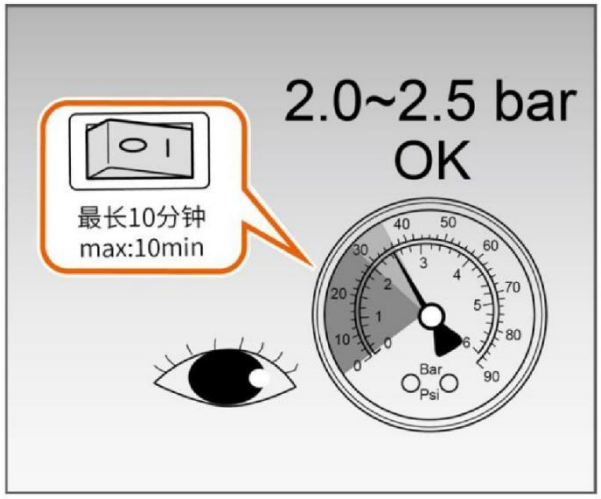
4. Unscrew the valve protective cap of the faulty tire, connect the hose of the tire sealant with the tire valve, and tighten it.



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.

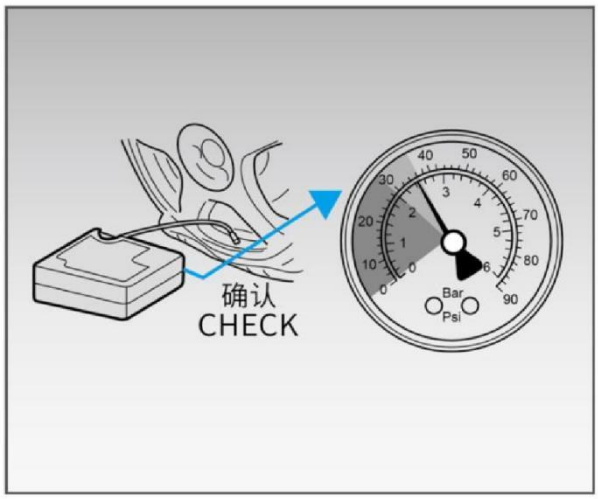


6. When the tire pressure rises to 2.0~2.5 bar, turn off the inflator pump switch, unscrew the inflator pump hose and put away the inflator pump. If the tire pressure does not reach 2.0 ~ 2.5 bar after more than 10 minutes of inflation, please stop repairing immediately and refer to item 7.2.2.



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.

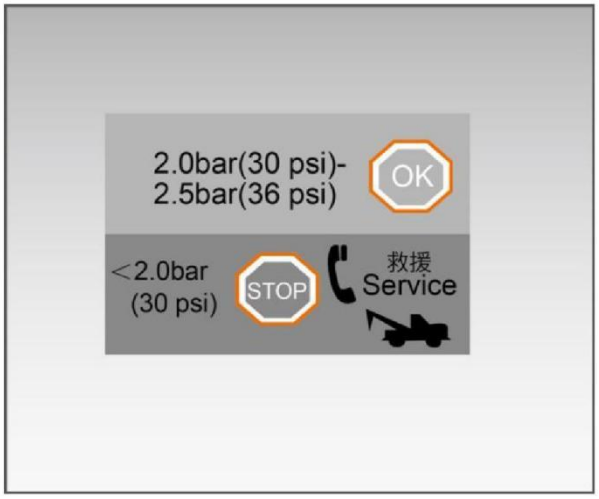
7.1 If the tire pressure is still within the range of 2.0~2.5 bar, you can continue to drive for about 100 km to the nearest Forthing Special Service Station for help, and the vehicle speed shall not exceed 80 km/h.



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.
- The external temperature range for normal operation of the tire sealant is -30℃~70℃.
- 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.

Tire replacement

Preparation before tire replacement

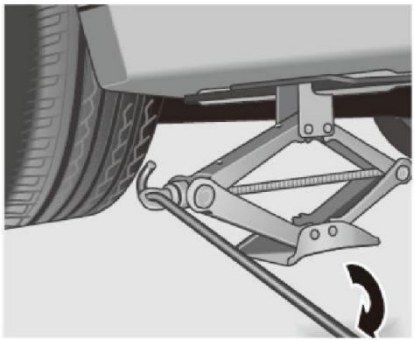
Park the vehicle on a flat ground that does not affect traffic and is convenient for safe wheel replacement. Before emergency replacement of the wheel, the vehicle hazard warning lamp shall be turned on first, and the warning triangle shall be placed at an appropriate distance according to the road conditions to avoid traffic accidents.

The on-board tools are located in the card foam on the lower layer of the trunk, and take out the tools from the spare tire foam.

Take out the spare tire

Unscrew the center bolt that fixes the spare tire and take out the spare tire from the spare tire groove.

Jack up the vehicle



Before jacking up the vehicle, place a piece of wood plug in front and behind the wheel diagonally opposite to the replacement tire, and then loosen the wheel nut by half a turn with a wrench.

Place the jack on the fulcrum next to the replaced wheel, and then jack up the vehicle.

Caution

- Do not jack the vehicle at any position other than the specified one. If the jacking position is incorrect, the bodywork may sag or an accident may occur when the vehicle falls.

Replace the spare tire

Take out the wheel nut cover clip from the on-board information bag. Take out the nut trim cover with the wheel nut cover clip.

Remove the wheel nut with a wheel nut wrench, and then remove the flat tire. Clean all sludge from the hub surface and install the spare tire. Tighten the wheel nut in a crosswise sequence as shown in the figure until the wheel is against the brake hub, lower the vehicle to the ground, and take out the jack. Tighten the wheel nut in the same cross pattern. Then install the nut trim cover with the wheel nut cover clip. Appropriate torque shall be used when tightening the wheel nut.

Wheel nut tightening torque: 130 N·m.

Fix flat tire

The method of installing a flat tire is the reverse of the steps of taking out the spare tire.

Caution

- Check the inflation pressure of the spare tire frequently so that it can be used in an emergency at any time. Keep the spare tire inflation pressure at the highest specified value to ensure that it can be used in any case (urban/highway driving, various loads, etc.). When the spare tire has not been used for many years, please contact the Forthing vehicle authorized service station to ensure that your tire can still be used safely.
- The spare tire can only be used for emergency and is not allowed to be used for a long time.
- It is not allowed to be installed on the steering wheel (i. e. front wheel). If the steering wheel needs to be replaced, the spare tire should be replaced on the rear wheel first, and then the replaced wheel should be installed on the steering wheel.

Automatic inflatable tire repair tool

The automatic tire repairer is located in the storage compartment under the floor cover in the trunk.

Precautions:

1. The effective repair diameter of this product is ≤6 mm, and the puncture can be pulled out for repair within this range; If the puncture is larger than this size, do not pull out the puncture after filling the tire sealant.

2. If the puncture object needs to be pulled out before the repair operation, please move the vehicle slightly before filling the tire sealant to make the tire hole face the 6 o'clock position directly below.

3. When using this product at the ambient temperature of (-40°C~0°C), please warm the product to above 0°C in the heater before use, so as to improve the charging efficiency of the tire sealant.

4. After using this product, drive for 10 km or more immediately, do not stay, and go to the 4S store or professional tire repair shop for tire repair or replacement as soon as possible.

5. After using this product, the vehicle can be continuously driven for more than 500km. Please drive at a speed lower than 80km/h for the first 10km, and drive at a normal speed after 10km.

6. If the tire sealant is splashed on the tire or rim during use, rinse with clean water or wipe with rag. In case of splashing into eyes, rinse immediately with water and seek medical advice.

7. This product is used for tread puncture repair, and the damage to other parts such as tire shoulder, tire side and valve is not within the repair scope of this product.

8. The storage temperature of this product is -40°C to 70°C. Avoid placing it in direct sunlight such as the front and rear windshields of the car. Do not contact with open flame. Method of use:

1. Shake the inflation tire sealant well before use, and then tear off the safety cover of the connecting valve.

2. Tighten the connecting valve of the inflatable tire sealant and the tire valve in clockwise direction.

3. Turn the red valve clockwise and put the bottle upside down to start the inflation and tire repair.

4. After the tire sealant is filled, close the red valve counterclockwise and unscrew the connecting pipe. Immediately drive at a vehicle speed not higher than 80 km/h for more than 10 km, and then the tire repair can be completed.

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	Bulb type
Headlamp (low beam)	HI 12V 55W
Headlamp (high beam)	HI 12V 55W
Front turn signal lamp	PY21W
Front position lamp	W5W 12V
Daytime running lamp	LED
Side turn signal lamp	WY5W
Rear turn signal lamp	PY21W
Reversing lamp	LED
Rear fog lamp	LED
License plate lamp	W5W
Front interior lamp	C5W
Rear interior lamp	C5W
Trunk lamp	C10W
Brake lamp	LED
High-mounted brake lamp	LED

Headlamp calibration

When a new vehicle leaves the factory, the headlamp has been calibrated. If the trunk is often used to carry heavy objects, the headlamp may need to be recalibrated. Please contact the Forthing Special Service Station for headlamp calibration.

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 abrasive or chemical solvents to clean the lamps.
- Do not wipe or clean the lampshade with sharp objects when the lampshade is dry.

Maintenance of wiper

Wiper maintenance mode

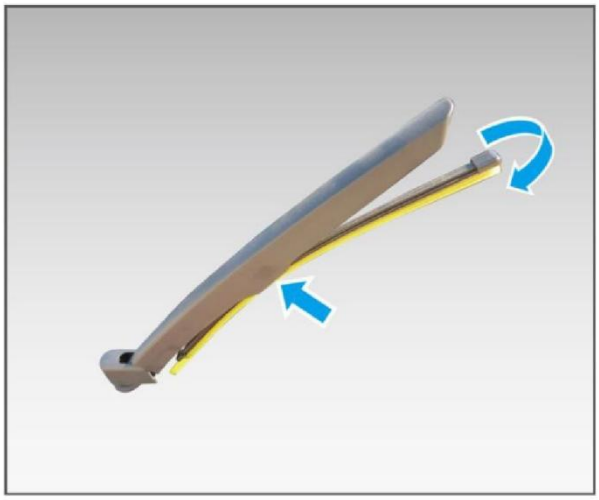
When the START/STOP button is in OFF position, pull up the wiper control handle, and the front wiper will stop at a position close to the maximum height, which is convenient for maintenance and repair of the wiper blade. When the START/STOP button is set to ON position again, the front wiper will automatically return to its original position.

Front wiper blade replacement

1. After turning on the wiper maintenance mode, pull up the wiper arm, pull out the wiper blade along the opening direction of the wiper arm, and remove the wiper blade.

2. Replace the wiper blade with new one and operate in the reverse order to ensure that the wiper blade is installed in place correctly.

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 wiper blade and push it into place.

4. Fold the rear wiper arm back onto the rear windshield.

Warning

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.

Caution

Do not open the engine hood when the wiper arm is pulled up, otherwise the engine hood and wiper arm will be damaged.

Replace the fuse

Fuse box location

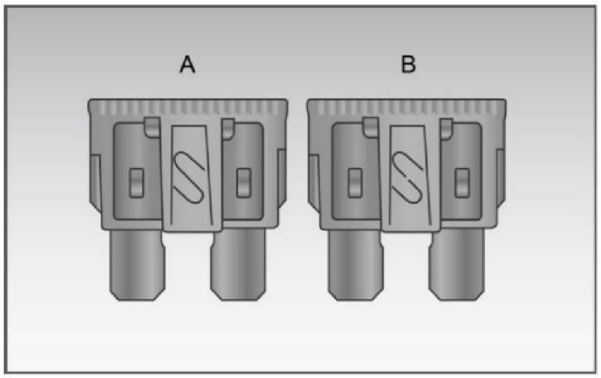
Engine compartment fuse box

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 behind the storage box at the lower left corner of the driver's side. Remove the storage box to check the fuse.

Check the fuse



A: Normal

B: Fuse blown

The fuse protects the electrical equipment of the vehicle by preventing the overload of electrical appliances in the circuit. A blown fuse indicates that the circuit it protects is faulty. If you need to check the fuse, you can take it out of the fuse box for inspection and observe whether the wire in the fuse is blown.

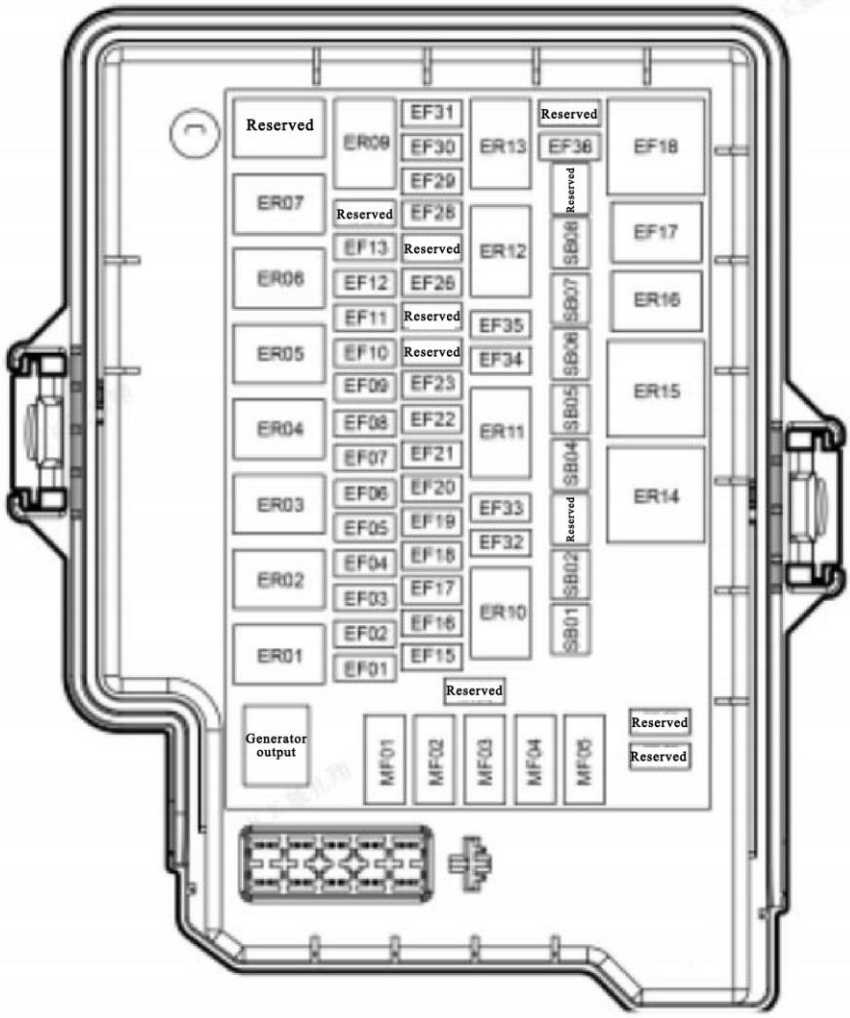
Replace the fuse

There is a fuse puller in the indoor fuse box. Pull the fuse straight out of the fuse box with a puller. If the fuse is not blown, the fault is caused by other reasons. In this case, contact the Forthing Special Service Station as soon as possible.

Find the blown wire in the fuse. If it has been 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 a replacement fuse of the same rating is blown after a short period of time, the vehicle may have a serious electrical fault. At this time, contact the Forthing Special Service Station as soon as possible.

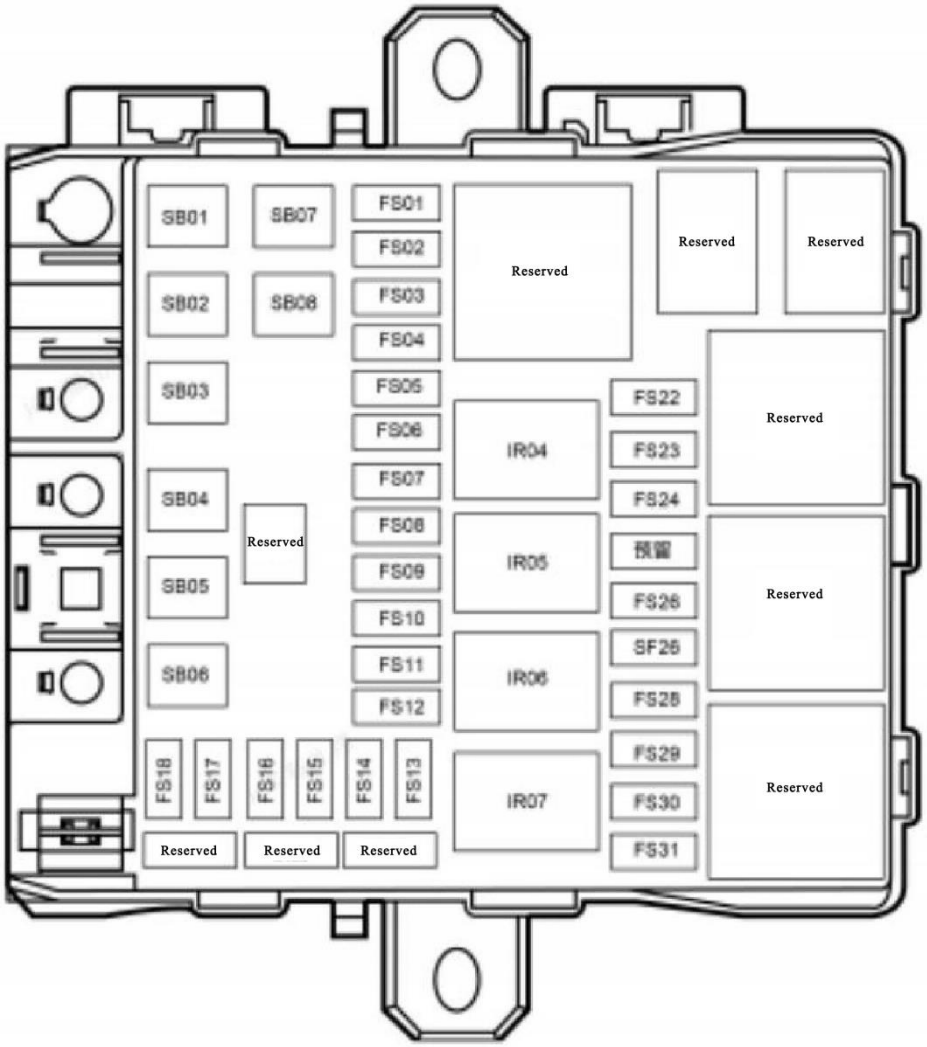
Arrangement of engine compartment fuse box



No.	Description	Rated current (A)	Description
MF01	Battery positive fuse	125A	-
MF02	Electric power assist fuse	60A	-
MF03	Electronic fan control fuse	50A/60A/80A	-
MF04	Fuse of instrument fuse box	50A	-
MF05	Fuse of instrument fuse box	50A	-
SB01	EHB MTR B+ fuse	60A	-
SB02	Front blower fuse	40A	-
SB03	EDU	50A	-
SB06	EHB MTR B+ fuse	60A	-
SB08	Electronic fan fuse	40A	-
EF06	Fuse for right front fog lamp	7.5A	-
EF07	Fuse for left front fog lamp	7.5A	-
EF08	Main relay fuse	10A	-

No.	Description	Rated current (A)	Description
EF09	EPS fuse	5A	-
EF10	Brake switch fuse	5A	-
EF11	VLC IGN fuse	10A	-
EF12	R position switch fuse	7.5A	-
EF13	Blower coil power supply fuse	5A	-
EF16	Power output module fuse	10A	-
EF15	MCU	10A	-
EF17	BMS fuse	20A	-
EF18	Battery sensor fuse	10A	-
EF19	Charging port base fuse	10A	-
EF20	VCM BAT + fuse	15A	-
EF21	MC BAT + fuse	30A	-
EF22	Relay coil fuse	5A	-
EF24	Wiper intermittent gear fuse	20A	-
EF25	Front bumper ambient light fuse	10A	-
EF26	Horn fuse	15A	-
EF27	Reverse lamp relay	10A	-
EF29	Brake lamp fuse	7.5A	-
EF30	Compressor fuse	10A	-
EF31	ESP/ABS SOL B+ fuse	25A	-
EF32	Left low beam lamp fuse	7.5A	-
EF33	Right low beam lamp fuse	7.5A	-
EF34	Left high beam fuse	7.5A	-
EF35	Right high beam fuse	7.5A	-
EF36	Starter feedback fuse	10A	-

Arrangement of interior fuse box



No.	Description	Rated current (A)	Description
SB01	Ignition switch fuse	30A	-
SB02	Door lock/rear washer fuse	20A	-
SB03	Left front and right rear window regulator fuses	30A	-
SB04	Right front and left rear window regulator fuses	30A	-
SB05	Electric seat motor fuse	25A	-
SB06	Rear defrosting fuse	25A	-
SB07	Front/rear wiper fuse	20A	-
SB08	Starter fuse	30A	-
FS01	PEPS fuse	10A	-
FS02	ESCL fuse	10A	-
FS03	EDR and wireless charging fuse	7.5A	-
FS04	Diagnostic/trunk lamp fuse	10A	-

No.	Description	Rated current (A)	Description
FS05	Exterior light fuse	20A	-
FS06	Fuse of instrument cluster	5A	-
FS07	Interior dome lamp fuse	10A	-
FS05	Exterior light fuse	20A	-
FS08	Sunroof fuse	20A	-
FS09	Seat heating fuse	20A	-
FS10	Audio unit fuse	15A	-
FS11	A/C and rearview mirror switch fuses	10A	-
FS12	Front washer fuse	10A	-
FS13	Airbag fuse	10A	-
FS14	Radar fuse	7.5A	-
FS15	Instrument/BCM fuse	7.5A	-
FS16	Engine compartment IGN1 fuse	15A	-
FS17	Ceiling IGN2 fuse	5A	-
FS18	Instrument IGN2 fuse	5A	-
FS22	Backlight fuse	5A	-
FS23	Fuse of right front and left rear position lamps	5A	-
FS24	Fuse of left front and right rear position lamps	5A	-
FS26	Cigarette lighter fuse	15A	-
SF26	On-board power outlet fuse	15A	-
FS28	Instrument ACC fuse	7.5A	-
FS29	Blower signal feedback fuse	5A	-
FS30	AVM fuse	5A	-
FS31	Rearview mirror heating fuse	7.5A	-

Vehicle traction

Front towing point

Rear towing point

If the vehicle needs to be towed, contact a professional vehicle towing service department. 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.

Wheel-lifting device

Insert two support arms into the bottom of the front wheels of the towed vehicle to lift the wheels off the ground, with the rear wheels still on the ground, which is a feasible method for towing the vehicle.

Precautions for towing

When wheel-lifting towing is adopted, the towing mileage should preferably not exceed 50 km, and the speed should be kept below 30 km/h.

If the body is fitted with a front spoiler, remove it before towing to avoid damage. Do not lift or tow the vehicle from the bumper, as this may cause serious damage. When installing the towing cable, pay special attention to prevent the cable from damaging the body.

When all-wheel ground towing is adopted, a reasonably designed device with a towing bar must be used. Place the START/STOP button in the ACC position to release the steering wheel locking state, and set the shift lever to the N position.

If the gear shifting is not possible or the vehicle cannot be started, the front wheel off-road towing can only be used.

Electronic parking towing mode

If it is necessary to achieve the non-parking function in the power-off state, it can be achieved by the following operations:

1. In the power-on state:
2. Depress the brake pedal;
3. Select the N position;
4. Release the EPB;
5. Press the EPB switch for more than 3 seconds; At the same time, power off the vehicle; Then release the EPB switch;

This puts the vehicle into towing mode, which must be used when your vehicle is being pulled through a conveyor-type automatic car wash, where you and the attendant cannot remain in the vehicle;

The towing mode will also be used in towing and replacing the battery pack;

After power-on again, if the power-off is performed again, the EPB automatic clamping function will be triggered;

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 engine hood.

2. Turn off all electrical accessories, set to N position, and pull up the EPB switch.

3. Connect the positive clamp of the jumper cable to the positive (+) terminal of the 12V low-voltage battery of the vehicle.

4. Connect the clip at the other end of the positive cable to the positive (+) terminal of the rescue vehicle battery.

5. Connect the negative cable clamp to the negative (-) terminal of the rescue vehicle battery.

6. As shown in the figure, avoid 12V low-voltage battery and moving parts, and connect the clip at the other end of the negative cable to a solid, fixed, unpainted metal part on the vehicle.

7. Start the rescue vehicle and keep it running for about 5 min to charge the 12V low-voltage battery of the vehicle.

8. Start the vehicle and keep it in ON position.

9. After the vehicle is running, 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 jump starting with a jumper cable from another vehicle, it is necessary to follow the instructions properly. Incorrect operation steps may cause fire, explosion or damage to the vehicle.

Drive motor overheating

If the power system fault warning lamp on the instrument cluster is on, check immediately according to the following steps:

1. Park the vehicle safely on the side of the road, engage the N position, pull up the EPB switch, turn off all electrical accessories, and turn on the hazard warning lamp.

2. If the drive motor overheats due to overload, the drive motor will start cooling immediately after the vehicle stops. At this time, wait until the power system malfunction warning lamp goes out before continuing driving.

3. Check for obvious coolant leakage, such as expansion tank hose breakage. At this time, all components are in a heated state, so 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 the level is below the lower limit (MIN) mark or there is no coolant, the coolant shall be added in time.

5. Start the vehicle, set the A/C temperature control knob to the maximum temperature and the A/C air volume control knob to the maximum, add coolant to the expansion tank to keep the coolant level between the upper and lower limit scale lines, and reinstall and tighten the fluid reservoir cover.

Warning

Removing the expansion tank cover when the drive motor is very hot can cause coolant to spray out, causing serious burns. Be sure to remove the expansion tank cover after the drive motor cools down.

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 beam under the front passenger seat and can be seen by lifting the carpet notch.

2. It is pasted on the right side of the front windshield.
3. It is pasted on the dashboard body assembly.
4. It is pasted on the inside of the storage box.
5. It is pasted on the right B-pillar inner panel.
6. It is pasted on the right front wall A-pillar inner panel.
7. It is pasted inside the front engine hood.
8. It is pasted on the inner panel of the liftgate.
9. It is pasted on the motor powertrain.
10. It is pasted on the right front door inner panel.
11. Use the OBD II scan tool to read the VIN information of the vehicle through the OBD diagnostic port.

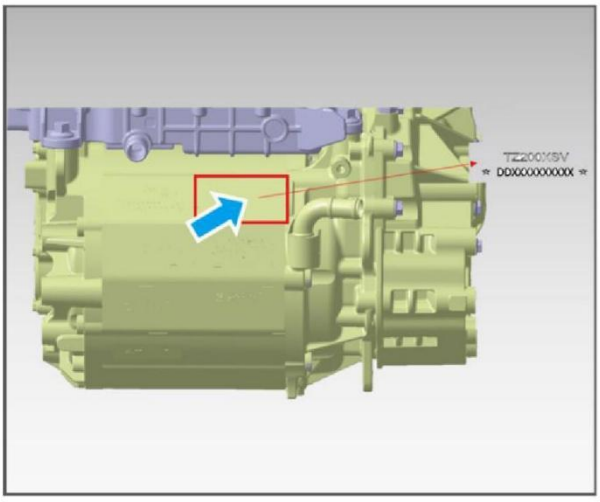
Vehicle factory nameplate

The vehicle nameplate is located under the right center pillar and contains the following information:

1. Country of production
2. Manufacturer
3. Brand name
4. VIN
5. Vehicle model
6. Drive motor model
7. Rated voltage/rated capacity of traction battery system
8. Drive motor peak power
9. GVW
10. Seating capacity
11. Manufacturing date

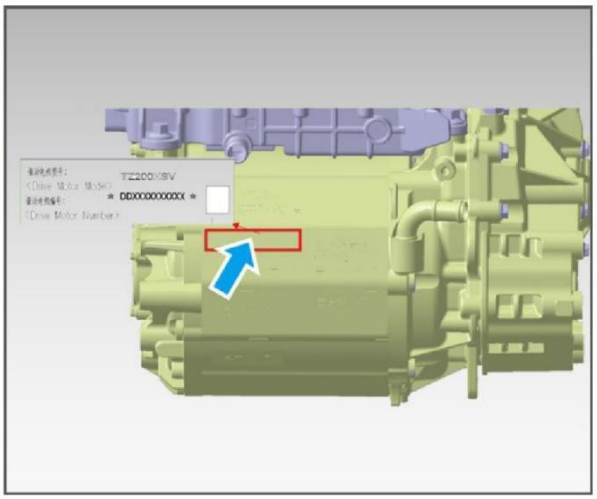
Drive motor information

Drive motor steel code



The drive motor steel code is located at the right front of the motor housing.

Flexible label of drive motor



The drive motor flexible label is located on the left front of the motor housing. The information content is consistent with the drive motor steel code, which is used to assist the vehicle in licensing.

Safety warning sign

12V low-voltage battery warning sign

The battery warning sign is affixed to the surface of the battery. It is used to remind you that the battery shall be kept away from heat source and open flame, and shall be ventilated during charging and use to prevent accidents.

Radiator warning sign

The radiator warning sign and the A/C refrigerant sign are affixed to the upper inside engine hood. When replacing the coolant, use the coolant specified by Forthing. Coolants of different brands cannot be mixed. Do not touch the radiator, as the cooling fan may rotate at any time.

Microwave window

The microwave window of the vehicle is located horizontally in the middle and vertically on the top of the front windshield. 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.

Main dimensional parameters of vehicle

Item	Unit	LZ6460XPE0EV-500 endurance range
Length	mm	4600
Width	mm	1860
Height	mm	1680
Front wheel track	mm	1590
Rear wheel track	mm	1595
Wheel base	mm	2715

Vehicle mass parameters

Item	Unit	LZ6460XPE0EV-500 endurance range
Number of passengers	Person	5
Curb mass	kg	1920
Front axle kerb mass	kg	1060
Rear axle kerb mass	kg	860
Maximum mass	kg	2535
Maximum mass of front axle	kg	1220
Maximum mass of rear axle	kg	1315

Drive motor parameters

Item	Unit	LZ6460XPE0EV-500 endurance range
Drive motor model	-	TZ200XSV
Type	-	Permanent magnet synchronous motor
Rated power	kW	80
Peak power	kW	150
Rated rotational speed	rpm	5457
Maximum RPM	rpm	16000
Rated torque	N.m	140
Max torque	N.m	340
Protection class	-	IP67

Chassis main assembly

Suspension system	Front suspension	McPherson independent suspension
	Rear suspension	Multi-link independent rear suspension
Steering system	Power-assisted form	Electric steering
Brake system	Structural type	"X"-type double pipe hydraulic arrangement type
	Front brake	Disc brake
	Rear brake	Disc brake
	Brake pedal free stroke	1 mm ~ 12 mm

Reasonable application range of brake

Front wheel brake disc	Set value (mm)	28
	Service limit (mm)	26
Front wheel friction plate	Set value (mm)	10
	Service limit (mm)	2
Rear wheel brake disc	Set value (mm)	14
	Service limit (mm)	12
Rear wheel friction plate	Set value (mm)	10.2
	Service limit (mm)	2
Parking shoe	Set value (mm)	\
	Service limit (mm)	\

Vehicle power performance

Item	Unit	Parameters
Max. speed	Km/h	180
Maximum gradeability	-	>30%

Vehicle trafficability

Item	Unit	LZ6460XPE0EV-500 endurance range
Approach angle (no-load)	°	17°
Departure angle (no-load)	°	26°
Longitudinal passing angle (no-load)	°	17°
Minimum turning diameter	m	11.8
Minimum ground clearance	mm	175

List of oils and fluids

Item	Specifications	Filling quantity
Total amount of reducer lubricating oil	Castrol BOT 384	1.3±0.05L
Motor coolant	OAT-35	5.74±0.8L
Traction battery coolant	OAT-35	7.2±0.8L
Brake fluid	DOT4	0.7±0.1L
Windshield washing liquid	NFC-60	2.0L
A/C refrigerant	HFC134a	Heat pump: 750±20 g Non-heat pump: 600±20 g

Wheel alignment parameters

Item		Parameters
Wheel toe-in	Front wheel	0.08°±0.04°
	Rear wheel	0.08°±0.08°
Wheel camber	Front wheel	-0.3°±0.5°
	Rear wheel	-0.86°±0.5°
Kingpin caster angle	Front wheel	6.01°±0.5°
Kingpin inclination angle	Front wheel	13.29°±0.5°

Tire specifications

Item	Parameters	
Tire specifications	235/60 R18	235/55 R19
Rim specifications	18×6.5J	19×7J
Tire pressure	230kPa	230kPa

(*Note: 235/60 R18 tired are equipped for specific models.)