

Xpeng G3 is an intelligent electric coupé with features different from ordinary vehicles. Before starting the journey on your G3, it is recommended to read the User Manual to understand basic vehicle information, basic operations, and corresponding cautionary warnings. If you have questions regarding the use of the vehicle, please contact your local authorized service center.

This manual is published in July 2021. Contents marked with "\*", the described equipment, and pictures are only taken from a certain configuration. Xpeng vehicle is capable of remote upgrade (OTA), and the features and configurations may be updated from time to time. So remind you in special:

Please be familiar with the latest and most complete vehicle functions, vehicle usage techniques, precautions, etc. Before using the G3 after upgrade, pay special attention to the warnings in the manual, and use G3 properly and safely.

Xpeng Motors always reserves the right to change, supplement, or terminate the contents and technical specifications of this manual.

Please keep the manual in a safe place for future reference.



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## Safety Instructions

Safety is the foundation of Xpeng Motors, and Xpeng motor is committed to creating great travel experience for users; G3 drivers should learn what is in the car and follow corresponding rules and instructions.

### Traffic Accident Guidelines

When the vehicle is severely damaged by accident, to ensure your safety, please pay attention to the following:

- Do not touch any high-voltage wiring harness or other high-voltage parts on the vehicle to avoid serious injury from electric shock.
- Do not touch any leaked liquid.
- Never try to check the vehicle yourself.
- If you need a towing truck, please contact your local authorized service center.

## 1. Must-Know for G3 Owner

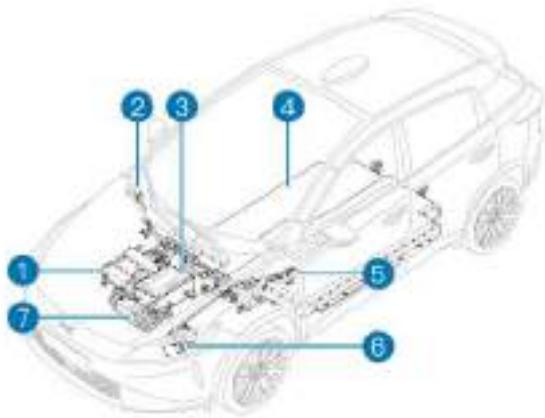
- If the vehicle emits smoke, please immediately run away from the vehicle and contact your local authorized service center in time.
- If your G3 catches fire, please immediately run away from it and call the police in time. When calling the police, you must inform them the vehicle on fire is a new energy pure electric vehicle.
- If driver and/or passengers in the vehicle is/are injured, contact a doctor for medical care.
- In case your G3 collides with other vehicle, if condition is reached, the power battery of your G3 will be automatically cut off. Please contact your local authorized service center for recovery when needed.

## Important Caution

If the vehicle has any of the following conditions, please contact your local authorized service center:

- The vehicle's normal mileage or service life interval meets the maintenance requirements (refer to the Warranty and Maintenance manual).
- Accidents such as collisions, water soaking, and bottom scraping of vehicles.
- The vehicle instrument has a serious failure alarm message (such as battery failure, battery overheating, motor and controller overheating, electric system failure, charging port temperature too high, etc.).

## EV System Layout



- ① Motor Controller
- ② AC charging [Refer to page 15](#)
- ③ Charger/DC converter
- ④ Power battery [Refer to page 12](#)
- ⑤ DC charging port [Refer to page 17](#)
- ⑥ Air-conditioning compressor
- ⑦ Drive motor

**⚠ Warning**

- The orange wiring harness on the whole vehicle are high-voltage. It is forbidden to touch the high-voltage wiring harness or high-voltage parts connected high-voltage wiring harness, Be aware of electric shock!

## Power Battery

The power battery is installed on the chassis of the vehicle. Drive carefully !

### Warning

- The voltage of the power battery is up to 375V. High-voltage electricity can cause serious injury or even death to the human body. Please pay attention to the high-voltage electricity !
- Non-professionals are forbidden to disassemble, inspect or repair the power battery, otherwise it will cause electric shock injury or even death due to improper operation.

### Caution

- You should drive carefully through special roads such as mud, potholes, curbs, higher and wider speed bumps, and sidewalk slopes to avoid scratching or damaging the power battery due to chassis collision.
- When the vehicle is running on a road with deep water, be careful to avoid short circuit, leakage or damage of the power battery due to excessive water contact.
- If you feel that the chassis is scratched, or the power battery emits an odor, you should stop using the vehicle immediately and contact the local authorized service center.

## Range

The driving range depends on factors such as the available power capacity, driving mileage and how old is the vehicle, ambient temperature, road conditions, driving habits (air conditioning, driving mode, energy regeneration level), vehicle load, etc.

## Ambient Temperature of Power Battery

The ambient temperature will affect the performance of the power battery. It is required to use the vehicle in -30°C to 55°C to maintain the good performance of the power battery and extend the battery life.



### Caution

- Do not continuously expose the vehicle to an environment above 60°C or below -40°C for more than 24 hours.

## Power Battery Recycling Instructions

When the power battery needs to be replaced or scrapped, please contact the local authorized service center for recycling. Disposal of the power battery at will will cause pollution to the environment or accidents and the car owner shall bear corresponding responsibilities.

## Charging

When the vehicle is stationary and shifted to gear P, it can be charged by two charging methods, AC or DC.

## Charging Indicator

In the charging process, the charging status can be learned through the following 4 indicators:

### 1. Charging Indicator lamp on Exterior Mirror



- Blue light on: Charging preparation.

- Green light flashes: In charging.
- Green light on: Charging completed.
- Red light flashes: Charging malfunction.

### 2. Dashboard Display



Dashboard displays charging status.

- ▶ When vehicle is locked, the dashboard will no longer display charging information.

### 3. Central Control Screen Display

The charging information will be displayed on the central control screen. After the vehicle is locked, the charging information will no longer be displayed on the central control screen.

### 4. Display on App

## AC Charge

AC charging takes more time, which is benefit for vehicle battery.



1. Open the AC charging port by pressing its cover on the right side of the vehicle.
  - ▶ Open the port when vehicle is unlocked.
2. Remove the charging gun on charging pile and plug it in vertically into the AC charging port.
  - ▶ Do not shake the charging gun when

plugging.

### ⚠ Caution

- When plugging the charging gun, do not press the switch on it, then plug it vertically into the port. When the charging gun is in place, you will hear a "Click".
3. Observe the charging indicating lamp info [Refer to page 14.](#)
    - ▶ If the exterior rear-view mirror charging indicator flashes green, it means the vehicle is in charging.
  4. After charging is completed, press the unlock button on the key or click "end charge" button on the central control screen so that charging gun is unlocked. After it is unlocked, press the switch on it and pull out it at the same time.

## Caution

- If the charging gun still cannot be pulled out after unlocking, please push the charging gun tightly back and press the unlock button on the key again or click the "end charging" button on the central control screen again to unlock the gun, then try to pull out it again.

## Emergency Unlock



- If the charging gun still cannot be pulled out after many unlocking attempts, you can open the hood, find out the mechanical zipper of charging gun lock on the right side of the front cabin, unlock it, and then try to pull out the charging gun.



## DC Charge



1. Open the DC charging port by pressing its cover on the left of your car.
  - ▶ Open the port when your vehicle is unlocked.
2. Remove the charging gun and plug it into the DC charging port vertically.
  - ▶ It is forbidden to shake the charging gun when plugging.

3. Observe the charging indicating lamp info [Refer to page 14.](#)
  - ▶ If the exterior rear-view mirror charging indicator flashes green, it means the vehicle is in charging.

### Warning

- You must follow the relevant regulations of the charging station for DC charging.
- The charging interface, communication protocol, and technical requirements must meet the latest national standards for charging piles. Before charging, please confirm whether the DC charging pile meets CHAdeMO standard.

## Tips

- Charging time will be extended due to factors such as temperature, power battery life, etc.
- When the ambient temperature is too low, the system will heat power battery firstly until the temperature of the power battery becomes normal, then it will start to be charged normally. So the charging time will be slightly longer in lower temperature.
- When the charging indicating information shows that the charging is abnormal, you can try to restart the charging procedure or try to restart the vehicle. If the charging still fails, please contact your local authorized service center for maintenance.

## Tips

- The power of the air conditioning system is limited during AC charging, causing the air conditioning stop cooling/heating.
- However due to the understanding difference on national charging standards by varied charging pile manufacturers and the different levels of maintenance of charging pile products, there may be certain charging piles that cannot get vehicle charged successfully. If you encounter such a situation, please try to re-plug the gun or change a charging pile.

## Precautions of Charge

- When charging, AC charging or DC charging can only functions separately. It is forbidden to plug AC and DC charging guns at the same time. If they are plugged at the same time, you need to pull out both charging guns and then plug in either one to ensure normal charging.
  - Some DC charging piles are compatible with both electric buses and electric vehicles. When charge your Xpeng motor, please use a charging pile with 12V auxiliary power supply.
  - Please check whether the charging port, charging gun, charging plug and other equipment are dry before charging. It is forbidden to charge your car with wet charging equipment or wet hands.
  - If the charging equipment corrodes or is damaged, it is prohibited to charge your car.
- In case of emergency, stop charging by pressing the button of emergency stop.
  - During thunderstorm, it is recommended to stop charging. Lightning may cause damage to the charging equipment.
  - In rain or snow weather, do not charge the vehicle outdoors.
  - When plugging/removing the charging gun, press the charging gun release switch to plug/remove the charging gun vertically. Do not shake the charging gun.
  - It is forbidden to disassemble the charging gun, otherwise it will cause charging failure or fire.
  - Never allow minors to touch or use charging devices.
  - If you find dust or any foreign objects in the charging port, charging gun or plug, you need to remove them in power off mode before charging begins.

## 1. Must-Know for G3 Owner

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- Before plugging the gun in, check the charging base to ensure that there are no large and hard particles in the power outlet.
- If you have transplanted electronic devices such as cardiac pacemakers or cardiovascular defibrillators, analgesia pumps, insulin pumps, hearing aids, etc. please do not stay in the car or enter the car while charging, otherwise it may affect electronic medical device's function, and lead to injury or death.

### Exterior Overview



- ① Front headlights Refer to page 61
- ② Exterior mirrors Refer to page 35
- ③ Outside door handlers
- ④ Rear lights Refer to page 61
- ⑤ High brake lights
- ⑥ 360° Roof camera\* Refer to page 135
- ⑦ AC charging port Refer to page 15
- ⑧ Liftgate button Refer to page 27
- ⑨ DC charging port Refer to page 17
- ⑩ Daytime running lights
- ⑪ Front traction Refer to page 254

### Doors

#### Keyless Locking and Unlocking of The Vehicle




- Locking: To lock your vehicle, power it off or keep it on and parked with no driver in the vehicle and all doors closed (four doors, front hood and liftgate), ensure vehicle key is within 1 meter away from front door outside, then press the groove on the front door handle.

- Unlock: To unlock your vehicle when it is powered off or on but not READY and with all doors closed, approach the front door with a legal key and hold the front door handle. The key holder will be detected and the vehicle will be unlocked.

#### Caution

- Snow or icing should be removed as soon as possible. If there is snow or icing on the front door handles, it will affect the keyless entry function.
- If the front door handle is covered with water and the key is within the valid range during heavy rain or vehicle wash, the door may be unlocked.
- If you wear gloves to grasp the front door handle, the sensing area inside of the front door handle may be slow or unable to sense to unlock.

 **Caution**

- After the vehicle is locked, if open the door violently, the vehicle will trigger anti-theft warning, and it will beep and be turned on the emergency flashers. At this time, you need to use the key to unlock or keyless unlock the door to release the anti-theft warning.
- After unlock the door by pressing the unlock button, if the door is not opened within about 120 seconds, it will be locked again.

**Use Keys to Lock and Unlock Doors**


The effective range of the key remote control is about 15 meters.

- Locking: When the vehicle is powered off or powered on and no driver is in the vehicle and the gear is in P, and all doors (four doors, hood, tailgate) are closed, press the lock button on the key to lock the door.
- Unlock: Press the unlock button on the key to unlock the door when the vehicle is powered off or powered on but not in the READY status.

 **Caution**

- The low battery of the key will affect the function of keyless locking and unlocking the door and remote control, please replace the key battery in time.

### Lock/Unlock Feedback

You can click "  → Vehicle → Remote Lock and Unlock Feedback" to set the vehicle locking and unlocking feedback effect on the central control screen.

- After the vehicle is successfully locked, the emergency flashers prompt once (set to flash), or the emergency flashers prompt once and the horn buzzes once (set to Flash + Horn).
- After the vehicle is successfully unlocked, the emergency flashers prompt twice (set to flash), or the emergency flashers prompt twice and the horn buzzes twice (set to Flash + Horn).

### Emergency Unlock

When the vehicle's 12V battery loses power or the key battery loses power and the door cannot be unlocked, the mechanical key can be used to unlock the door.



1. Pull up the door handle, then plug the mechanical key into the strip hole at the bottom of the door handle, and pry the lockhole cover upwards.





2. After opening the lockhole cover, plug the mechanical key into the lockhole:
  - ▶ Turn the mechanical key counterclockwise to lock the door.
  - ▶ When the left front door is unlocked and four doors are closed, use the mechanical key to lock, four doors will be locked.
  - ▶ Turn the mechanical key clockwise to unlock the door.

### Lock and Unlock Doors with Door Lock Buttons



- Lock-up: When four doors are closed, press the locking end of the door lock button to lock the door.
- Unlock: Press the unlock end of the door lock button to unlock the door.

### Collision Unlock

When the airbag is triggered by a serious collision of the vehicle, the vehicle will perform an unlock, then unlock again after 3 seconds.


#### Tips

- When collision triggers unlocking, the turn signal lights keep flashing. After the vehicle is powered off or the emergency flashers switch is pressed, the lights stop flashing.

### Speed Lock

When all the doors are closed and the left front door is unlocked, the speed lock function is opened and when speed is larger than 10km/h, all doors are automatically locked.

#### Tips


- It can be turned on or off by clicking " → Vehicle → Lock on drive" on the central control screen.

### Parking Unlock

When you are on the driver seat, all the doors are closed and the left front door is locked, you can do the following operations to automatically unlock the doors when parking:

- Unfasten the seat belt when you wears the seat belt and the gear is in P.
- Shift the gear to P gear when you does not wear the seat belt and the gear is not in P.

#### Tips

- It can be turned on or off by clicking " → Vehicle → Unlock on park" on the central control screen.

## Use Exterior Handles

- When the vehicle is unlocked, pull the door handle to open the door.

### Warning

- When the doors are locked, do not pull the exterior handles to avoid damage.

## Tailgate

### Use The Key's Tailgate Button to Open and Close

- Open: When the tailgate is closed, press the tailgate button on the key twice within 1 second, and the tailgate will be opened electrically.
- Close: When the tailgate is opened, press the tailgate button on the key twice continuously within 1 second, and the tailgate will be closed electrically.
  - ▶ When the tailgate stops due to operation or anti-pinch function triggered during the electric operation of the tailgate, press the tailgate button on the key twice continuously within 1 second, and the tailgate will perform the electric action opposite to that before stopping.

### Use The Button Outside The Tailgate to Open


- Open: Approach the tailgate with the key, press the button outside the tailgate, and the tailgate will be electrically opened.
  - ▶ When the vehicle is unlocked, it is unnecessary to carry the key, directly press the outer button, and the tailgate will be electrically opened.
  - ▶ When the tailgate stops due to operation or the anti-pinch function triggered during the electric operation of the tailgate, press the button outside the tailgate and the tailgate will open electrically.

### Use Keys in Tailgate to Close



- Close: Press the Keys in tailgate, and the tailgate will be closed electrically.
  - ▶ During the electric operation of the tailgate, press the Keys in tailgate again, the tailgate will stop at the current position
  - ▶ When the tailgate stops due to operation or anti-pinch function triggered during the tailgate electric process, press the Keys in tailgate and the tailgate is closed electrically.

## Open and Close on Control Control Screen

Enter the control interface by clicking "  Quick Controls" on the central control screen:

- Open: Click the "Open Trunk" button, the tailgate will be opened electrically.
- Close: Click the "Close Trunk" button, the tailgate will be closed electrically.

### **i** Tips

- During the electric operation of the tailgate, click the "Pause" button and the tailgate will stop at the current position.

### **i** Tips

- When the tailgate stops due to operation or anti-pinch function triggered during the tailgate electric process, click the button, and the tailgate will perform electric action according to the button command clicked.

## Tailgate Stop Mode

When 12V battery voltage is lower than 9V or higher than 16V, the tailgate will start the stop mode, the electric function will be invalid, and the tailgate can be opened urgently [Refer to page 31](#).

### Tailgate Stop Mode Initialization

After the tailgate starts the stop mode, when the 12V battery voltage returns to normal, if the tailgate is in the fully closed state, it can be electrically opened; if the tailgate is in the fully opened state, it needs to be manually closed then the electric function can be restored.

### Anti-pinch Function

Tailgate has anti-pinch function during electric opening or closing:

- In the process of the tailgate electric opening, if the anti-pinch function is triggered, the tailgate will immediately stop opening and the buzzer will beep once.
- In the process of the tailgate electric closing, if the anti-pinch function is triggered, the tailgate will immediately move in the opposite direction for a distance and then stop, the buzzer will beep once.

### Anti-pinch Initialization

When the anti-pinch function is triggered consecutively for 5 times in the process of tailgate opening or closing, the electric function will be invalid. The electric function is restored only after the tailgate is manually closed.

### Tailgate Height Setting

When the tailgate is in half-opened or fully opened and stopped states, press and hold (about 3 seconds) the button inside the tailgate until the buzzer sounds for a long time and then release it. The system memorizes this height position successfully. When the tailgate is opened electrically next time, it will open to the setting height by default.

## Emergency Open

When the tailgate cannot be opened electrically, try emergency open function.



1. Open the decorative cover.



2. Pull the unlock switch up to unlock and open the tailgate.

### Tips

- When the tailgate is successful in being electrically opened, closed, stopped, anti-pinch triggered, or the height set, there will be a buzzer prompt.
- In order to avoid overheating and damage to the electrical components of the tailgate, the vehicle has been set a limit on the continuous movement of the tailgate. Do not operate the tailgate frequently.

### Caution

- When opening or closing the tailgate electrically, pay attention to whether there are obstacles around it to ensure that the tailgate has enough space for movement.
- If the tailgate electric function fails, try to initialize the tailgate stop mode ([Refer to page 30](#)) or anti-pinch initialization([Refer to page 30](#)).If the tailgate electric function still cannot be restored, please go to the local authorized service center for inspection.



### Cargo Cover

1. Pull out the cargo cover.
2. Snap the two ends of the cargo cover into the fixing grooves on both sides of the trunk.

#### Warning

- After the cargo cover is unfolded, it is forbidden to place any objects on the cover. Otherwise, the cover will be damaged or the object will be thrown forward in case of collision accident, causing injury to passengers.

### Disassembly of Cargo Cover

Fold back seatback [Refer to page 88](#).

- Squeeze either end of the cover to remove it.
- When installing, snap one end of the cargo cover into the fixing groove first, squeeze the other end of the cover, and snap it into the fixing groove.

## 2.Preparation (Exterior Overview)

### Hood

#### Open



1. Pull the handle of the hood at the lower left of the instrument panel, the hood unlocks and bounces slightly.



2. Locate the plunger latch and flip the latch to fully unlock it.
3. Lift the hood and take out the support rod to support the hood in the limit position.

#### Close

Remove the support rod and fix it in its original position, lower the hood down to the vehicle, and then release your hands to let the hood fall down by its own weight, thus being locked.

After closed, please check whether the hood is locked firmly.

### Exterior Rear-view Mirror

#### Electric Adjustment

Exterior rear-view mirrors can be electrically adjusted only after the vehicle is powered on.



1. Select the left or right exterior mirror by rotating the exterior mirror switch.
  - ▶ Turn counterclockwise to select the left one.
  - ▶ Turn clockwise to select the right one.

- ▶ After exterior rearview mirror adjusted, restore the exterior rearview mirror switch to the middle marking position.



2. Push the exterior mirror switch to the front/rear/left/right to adjust the exterior mirror lens to the proper position.

### Caution

- When it is adjusted to the leftmost, rightmost, uppermost and lowermost ends, the mirror will no longer move, then stop adjusting it, otherwise it will be easily damaged.
- It is forbidden to adjust the rearview mirror during driving, please drive safely.

### Automatic Flip Down When Reversing\*

- When the gear is shifted into R gear for more than 0.5 seconds, the right side rearview mirror will automatically fall down to a certain angle to help reversing.

### Tips

- Only the right exterior rearview mirror has a reverse automatic flip down function, and the left does not.

### Exterior Rearview Memory Function\*

According to different user's account information, different mirror's positions are memorized.

### Exterior Rearview Mirrors Automatic Folding

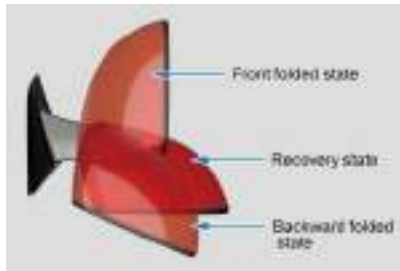
- Folding: When the vehicle is locked, the exterior mirrors are automatically folded.
- Unfolding: When the vehicle is unlocked, the exterior mirrors are automatically unfolded.

### Fold The Exterior Mirrors on The Central Control Screen

Enter the rearview mirror control interface by clicking "🚗 → Quick controls → Rearview Mirror" on the central control screen, :

- Click the "fold" button to fold the exterior mirrors.
- Click the "unfold" button to unfold the exterior mirrors.

Due to accidental impact or push, the exterior rear-view mirror may be in the front folded or backward folded state. You can return it to the normal position as follows.



1. Click "unfold" on the central control screen and wait for the exterior rearview mirror to complete the action.
2. Push the rearview mirror manually to the "Recovery state" position.

### **i** Tips

- If you need to manually restore the mirror, please check whether there are foreign objects such as ice and snow on the folding surface. Remove the foreign objects before resetting it, otherwise it will easily damage the folding structure of the exterior rearview mirror.

### Exterior Rearview Mirror Heating



- After the vehicle is powered on, click 📱

button to turn on the exterior mirror heating function; click the button again to turn it off.

### **i** Tips

- After the exterior rearview mirror heating function is turned on, if it is not manually turned off, the system will automatically turn off after heating for 14 minutes.
- In the heating process, if the 12V battery voltage is lower than 9V, the system will automatically turn off the heating function.

### Caution

- When the vehicle is not started, it is prohibited to use the exterior mirror heating function for a long time to prevent the 12V battery from losing power and unable to start the vehicle.
- When the heating function of the exterior rearview mirror is turned on, do not touch it by hand.

### Luggage Rack Joint



The roof rack joint can be used to install optional roof racks, which are for sale at local authorized service centers. When use roof rack, please follow the instructions and safety warnings in this chapter and roof rack.

- Ensure that the roof rack is installed securely.
- To properly load different types of cargo (such as skis, bicycles, etc.), please use suitable accessories. Make sure to install the accessories correctly and firmly according to the instructions provided. Do not load the goods directly on the top cover metal plate. The goods will damage the top cover metal plate.
- The total weight of the roof rack and cargo must not exceed the rated load (50kg) of roof. In addition, do not allow the total weight of the vehicle (fully loaded vehicle includes: the weight of driver, passengers, cargo and roof load) to exceed the maximum total mass of the vehicle listed in the "Vehicle Specifications" section of this manual.
- When loading goods on the roof, make sure to place the heaviest items on the bottom and distribute the goods as evenly as possible.

- Do not carry oversized objects which will hang on the bumper or the side of the vehicle and block the view.
- Fix the front and rear ends of long objects (such as wooden boards, surfboards, etc.) to the front and rear of the vehicle. The paint surface of the vehicle should be protected to avoid being scratched by the pulled rope.
- Check regularly to ensure that the roof rack is installed firmly and not damaged.
- For vehicles equipped with roof rack interface, make sure to cover the joint with a lid when not in use.

### Warning

- Violently driving or improperly fixing the cargo will cause the cargo to fly off the vehicle and hit other objects, causing personal injury or property damage.
- Secure the cargo firmly, and do not drive violently (such as sharp turns, fast turns and sudden braking). Check regularly to ensure that the goods are firmly fixed.
- Large, heavy, long or flat objects will affect the aerodynamic force or wind resistance of the vehicle and reduce the controllability of vehicle, resulting in accidents and injury. When transporting such goods, drive carefully at a safe speed.



### Interior Overview



- ① Door inner handle [Refer to page 47](#)
- ② Electronic parking brake switch [Refer to page 115](#)
  - Emergency power off switch [Refer to page 71](#)
  - Headlight height manual adjustment roller [Refer to page 64](#)
- ③ Buttons on left side of steering wheel
- ④ Combination Switches:
  - Light control [Refer to page 61](#)
  - Wiper control [Refer to page 68](#)
- ⑤ Dashboard [Refer to page 54](#)
  - Indicating lamps [Refer to page 57](#)

## 2.Preparation (Interior Overview)



- ⑥ Buttons on right side of steering wheel
- ⑦ Gear control switch [Refer to page 74](#)
- ⑧ Central control screen
- ⑨ Glove box
- ⑩ Emergency flashers switch [Refer to page 66](#)
- ⑪ Acceleration pedal
- ⑫ Brake pedal
- ⑬ Xpilot switches:
  - ACC/LCC system \*
- ⑭ Driver's power window switch
  - Exterior rearview mirror adjustment switch [Refer to page 35](#)
  - Door lock buttons [Refer to page 25](#)

### Steering Wheel

#### Steering Wheel Position Adjustment




The factory settings of steering wheel handle defaults to the locked position.

1. When the vehicle is stationary, pull the handle down to unlock the steering wheel.
2. Move the steering wheel up, down, back and forth to the suitable position.
3. Move the handle upward to lock the steering wheel.

#### Steering Wheel Boost



- Enter the steering wheel assist mode selection interface "  → Driving → Steering Wheel Boost" on the central control screen, and click to select the corresponding mode:
  - Soft: Reduce the strength required to turn the steering wheel, suitable for driving in the city.
  - Standard: The most effective mode to response to various situations.
  - Sport: Increase the strength required when turning the steering wheel, and when driving at a higher speed, the response is stronger.

### ⚠ Warning

- It is forbidden to adjust the steering wheel or set steering wheel boost mode during driving.

### Interior Rearview Mirror



The rear light reflected by inner rearview mirror can be automatically reduced according to the light sensor, to make the rearview in the best observation state.

- ▶ Be careful, not to block the light sensor on the inner rearview mirror, and clean the dirt on the surface of the light sensor in time.

### Phone Wireless Charging

The function realizes the wireless charging of the phone without wires connection through electromagnetic induction.

### Charging Operation and Status Query



The wireless charging function of the phone is turned on by default.

The wireless charging effective area is located in the front storage box, marked by the "arrow" as the charging center area. When charging,

please place the phone face up in the area, the phone displays a charging icon indicating success charging.

#### ⚠ Caution

- The wireless charging function is only applicable to "Qi" certifying phones, and the use of uncertified products may cause unexpected accidents.
- Only one phone can be wirelessly charged one time, and the maximum charging power is 10W.
- On bumpy roads, the wireless charging of the phone may intermittently stop and resume. If the phone deviates from the charging area and stops charging, the phone needs to be moved back to the chargeable area.

### Caution

- The wireless charging function of the phone requires the joint participation of the phone. Either the vehicle or the mobile phone failing may cause abnormal charging.
- Charging of the phone may stop when the temperature is too high. Please recharge after the temperature drops.
- During vehicle startup or when the vehicle's speed reaches 40km/h at first time, the wireless charging function will suspend for approximately 2-3 seconds, and will return to normal after the vehicle and key authentication is completed.

### Warning

- The wireless charging function of the phone has a heating effect on the metal. Please ensure that there is no metal foreign objects on the back of the phone and the charging area before charging. Otherwise, the metal foreign objects may be heated or damaged, or even cause an accident. The metal foreign objects here refer to other objects with metal components, including but not limited to chips, magnetic cards, and etc.
- Do not spill water in the front storage box to prevent water from entering the wireless charging module and damaging electronic components.
- The external wireless charging coil may cause accidents, please use it with caution.

**Warning**

- When you are not in the vehicle, please do not leave the phone charging in the vehicle, so as to avoid potential safety issue.
- Please do not place heavy objects in the charging area to avoid damaging wireless charging module for phone.
- If the charging function fails and cannot be used normally, please stop using it and contact your local authorized service center for maintenance.

**Interior Door Handle**

- When the door is unlocked, pull interior door handle to open the door.
- When the door is locked, pull interior door handle once to unlock the corresponding door.

### Window

After the vehicle is powered on, the windows can be opened and closed through the main window switches, the passenger window switches and the central control screen.

### Main Driving Window Lift Switch



- 1 Left front door window lift switch
- 2 Right front door window lift switch
- 3 Right rear door window lift switch
- 4 Left rear door window lift switch
- 5 Passenger window lift lock switch

### Passenger Window Lifting Switch



The left rear door, right front door and right rear door are equipped with passenger window lifting switch, divided into 2 levels of operation:


1. One-key lift: Press the switch to bottom and release it immediately, and the window will automatically drop to fully open; pull the switch to the top and release it immediately, and the window will automatically rise to the fully closed position.



2. Partial lift: When you want to partially open the window, gently press and hold the switch, and release it when the window descends to the required position; when closing, you can gently pull the switch and release it at the required position.
  - If the window is open, when the lock button of the remote control key is pressed, the door is locked and the window automatically rises to the fully closed position.

### Turn On or Off on the Central Control Screen



Click"  → Quick controls" on the central control screen to enter the control interface:

- Vent: Click the "Vent" button and the four door windows will be lowered to the ventilation position.
- Open: Click the "Open" button, the four door windows will automatically fall to the fully open position.
- Close : Click the "Close" button, the four door windows will automatically rise to the fully closed position.

### Tips

- When the window is automatically ascending or descending, if you gently press or pull up the window switch again, the corresponding window will stop at the current position; if press harder or pull up again, the corresponding window will perform the opposite action.

### Caution

- If you find that the window anti-pinch function is invalid (the window does not have an automatic lifting function), please go to your local authorized service center for inspection.

### Warning

- Before closing the window, you must ensure that all passengers (especially children) do not put any part of the body out of the window, otherwise there is a risk of pinch injury!
- When a child is in the vehicle, in order to ensure safety, the passenger window lift function should be locked to prevent the child from being injured caused by operating the window.

### Power Socket

#### Front USB Power Interface



- Slide the cover back to use the front USB interface.
  - ▶ USB power interface: After the vehicle is powered on, connect the USB cable to charge.
  - ▶ USB media source interface: Used for software upgrade services, charging, microphones and gamepads, etc.

#### Rear USB Power Interface



- After the vehicle is powered on, connect the USB cable to charge.
  - ▶ The maximum current output by the USB power interface is 2.1A under normal conditions.

### ⚠ Caution

- To avoid damage to the vehicle electrical system, never connect the power generating equipment to the USB power interface.
- When the vehicle is powered on or off, the charging equipment connected to the USB power interface should be disconnected to avoid damage to the electrical equipment due to voltage fluctuations.
- It is forbidden to use USB power interface when no people in the vehicle. Improper use of the USB power interface can easily cause fire.
- The use of high-power electrical equipment is prohibited.
- It is forbidden for children to use it.

### Front 12V Power Interface



- Open the lid of the storage box upwards to use the front 12V power interface.
  - ▶ The maximum supported power is 180W.

## Reflective Vests



- The reflective vest is located in the glove box. When handling an emergency accident, you must wear it according to regulations.

## 2.Preparation (Interior Overview)

### Dashboard


The dashboard displays information such as the status, function, weather, and charging status of each vehicle system. In daily driving, you should always pay attention to the information displaying on the dashboard to obtain the real-time status of the vehicle.

The dashboard shall change due to factors such as settings, function usage, vehicle configuration, software version, etc. The illustration below is for reference only, and the display interface is subject to the actual vehicle.



- ① Display area on the left side of dashboard:
  - When using the navigation function, the area displays navigation information.
  - When the navigation function is not used, long press the left roller of the steering wheel to set the display content.
- ② Display the vehicle:
  - Corresponding info shall be displayed when the vehicle is powered on and functions such as adaptive cruise and forward collision mitigation are used normally.
- ③ Indicating lamp:
  - Indicating lamps are distributed in different positions on the dashboard, reflecting the status of vehicle system functions [Refer to page 57.](#)
- ④ Gear indicating lamp:
  - According to the current gear of the vehicle, highlight the corresponding gear lamp [Refer to page 74.](#)
- ⑤ Speed:
  - Display the current speed of the vehicle.
- ⑥ Display area on the right side of dashboard:
  - Press the menu button on the right side of the steering wheel, and the menu setting items are displayed in the area.
  - Long press the roller on the right side of the steering wheel to set the display area.
- ⑦ Time / Temperature:
  - Display current time and outside temperature information.
- ⑧ Electricity meter / Cruising range:
  - Display the remaining power of the vehicle's power battery and estimate the cruising range of the remaining power.

### Tips

- The prompt tone and brightness of the dashboard can be adjusted by system settings on the central control screen.
- In the display area on the right of the instrument, it can be set by "  → Vehicle → Instrument Menu" on the central control screen.



## Indicating Lamps



2

After the vehicle is powered on, some indicating lamps will be on. After the system completes the self-test, if the system is normal, the indicator lights will go off. Some indicating lamps are on to display the current status of vehicle system functions, not a system failure.

In the daily using, when the indicator light is on, if there is something unclear, please contact the local authorized service center for consultation.

## 2.Preparation (Interior Overview)



Door opening indicating lamp



Left turn signal and emergency indicating lamp

READY

READY indicating lamp



Right turn signal and emergency indicator

ECO

Economic mode indicating lamp



SRS indicating lamp

SPORT

Sport mode indicating lamp



Driver's seat belt not fastened indicating lamp



Rear fog indicating lamp



Front passenger seat belt not fastened indicator



Position light indicating lamp



Left back seat belt not fastened indicator



High beam indicating lamp



Middle back seat belt not fastened indicator



Low beam indicating lamp



Right back seat belt not fastened indicator




Automatic low beam indicating lamp





Electronic parking brake(EPB) status indicator

 EPB malfunction indicating lamp

 AutoHold on indicating lamp

 AutoHold malfunction indicator

 Brake system malfunction indicator

 ESP indicating lamp

 ESP OFF indicating lamp

 ABS indicating lamp


 HDC on indicator


 HDC malfunctioning indicator

 TPMS indicating lamp


 EPS indicating lamp


 12V battery charging system indicator

 Charging gun connected indicator

 Electric system malfunction indicator

 Motor and controller overheat indicator

 Power battery overheat indicator

 Power battery malfunction indicator

 Power battery cut off indicator

## 2.Preparation (Interior Overview)



Low battery indicator



Drive power limit indicator



ACC on indicator



ACC ready status indicator



ACC malfunction indicator



Lane departure warning system malfunction indicator



Lane centering auxiliary function malfunction indicator



Blindspot safety assistance system malfunction indicator



Forward collision prevention system malfunction indicator



Forward collision prevention system off indicator



Lane Centering Control ready indicator



Lane Centering Control enable indicator



Intelligent system malfunction indicator




Main warning indicator

### Exterior Lights

The vehicle is equipped with auto-sensing headlights, which can automatically detect the lighting of the surrounding environment of the vehicle according to the light sensor, and automatically turn on or off the position lights and low beam lights. The lights can be controlled by manual operation such as central control screen and switch.

#### Control on Central Control Screen

Click "  → Quick controls" on the central control screen to enter the light control interface, and click the light button to control the light.



- 1 Turn off all the exterior lights
  - After clicking, all the exterior lights will be turned off; if need to turn on, click each light button again.
- 2 Width light
  - Click to control lights such as width light, license plate lights and etc to turn on or off.
- 3 Low beam
  - When the width light is not turned on, click to control the width light, low beam light and etc to be turned on or off.

### ④ Automatic control

- It can be turned on or off by clicking.

#### Caution

- The automatic control function will be restricted by the external environment. When it cannot be used normally, please turn on the light manually as required in time.

### ⑤ Light me home

- Click to turn on or off the light me home function.
- After the function is turned on, when the vehicle is parked under low ambient light, after the vehicle is powered off, the low beam and width lights are turned on for 30 seconds and then turned off. If the vehicle performs the locking and arming operation within 30 seconds, the low beam and width lights will turn off after 10 seconds.

### ⑥ Rear fog lamp

- When the low beam light is on, click to control the rear fog light on or off.
- When the width light is off, the rear fog light will be off.

## Daytime Running Lamps

- Turned on: The vehicle is in the READY state, the width lights are not lit, the vehicle is not charged, and the turn signals lights are not turned on, then the daytime running lights will be on.
- Turned Off: If the whole vehicle is powered off or not in READY or in a charging state or the turn signal light is on, the daytime running lights will be off.

## High Beam Light



- After the low beam light is turned on, move the combination switch forward, the high beam lights on, and move it backward, the high beam lights off.
- Pull backward continuously and release , the high beam light flashes to remind the front vehicle or send signals.

### **i** Tips

- When the high beam light in malfunction, the dashboard will display the message "Please check the high beam light".

### **!** Caution

- The high beam light will cause the drivers of opposite vehicles to dazzle. Please use the high beam light reasonably.

### Headlight Height Manual Adjustment



- Rotate the scroll wheel to adjust the height of the headlights. There are 0, 1, 2, and 3 level options.



Please refer to the table below for the scroll wheel position suitable for vehicle driving and load conditions.

Condition	Position
Driver only	0
Driver plus one passenger	
Five people in total in front and rear	1
There are five people in front and rear, and there is luggage in the trunk (within the maximum allowable axle weight and the maximum allowable vehicle weight limit)	2
Driver only and there is luggage in the trunk (within the maximum allowable axle weight and the maximum allowable vehicle weight limit)	3



### Turn Signal Lights



- Turn the combination switch down or up to turn on the turn signal lights. The corresponding  or  indicator light on the dashboard flashes with a "click" sound.
- Turn the combination switch back to the middle position or the steering wheel moves back to the original position to turn off the turn signal lights.

### Light Flashes When Changing Lanes

To indicate a lane change, quickly toggle the combination switch up or down, then release it, and the corresponding turn signal lamp flashes 3 times.

### Emergency Flashers



- Press the emergency flashers switch below the central control screen to turn on the emergency flashers, and all the turn signal lights flash. Press again to turn off the emergency flashers.

#### **i** Tips

- No matter the vehicle is powered on or off, the emergency flashers can be turned on.

### Reading Lights

G3 has front and rear reading lights.



- When the reading light in the vehicle is off, press it, the corresponding reading light will be lit up. Press it again and the corresponding reading light will be turned off.
  - ▶ When any of the front doors is opened, the front reading light will be lit up. After the door is closed, the front reading light is turned off.

- ▶ When any of the rear doors is opened, the rear reading light will be lit up. After the door is closed, the rear reading light is turned off.

### Wipers and Washers




After the vehicle is powered on, rotate the wiper switch to select:


- OFF: Turn off the wiper.
- INT: Intermittent wipe.
- LO: Continuous low speed wipe.
- HI: Continuous high speed wipe.



After the vehicle is powered on, toggle the washing switch to select:

-  : Spray to wash.
- OFF: Turned off.
  - ▶ The default position, after the toggled switch is released, the switch automatically returns to this position.
- MIST: Wipe once when click.

### Intermittent Wipe

- Rotate the wiper switch to the "INT" position, the wiper starts intermittent wiping.
  - ▶ Intermittent low-speed wiping speed can be set "  → Quick controls → Wiper INT control" on the central control screen.


### Low Speed Continuous Wipe

- Rotate the wiper switch to the "LO" position, the wiper starts continuous low-speed wiping.

### Continuous High-speed Wiping

- Rotate the wiper switch to the "HI" position, the wiper starts continuous high-speed wiping.

### Spray to Wash

- Turn the washing switch to "  " position, and the washer starts to spray water. When the toggle time is long, the wiper starts to wipe.
  - ▶ If the wiper switch is in the "OFF" position, the wiper will start to wipe after toggling the washing switch for a period of time and will stop after wiping 3 times. After release, the washer will stop spraying water.
  - ▶ When the wiper switch is in the INT position: if the wiper switch is in the "INT" position, the wiper will continue to wipe 3 times after the washing switch is toggled for a period of time. After the washing switch is released, the wiper will return to the original INT wiping speed.

- ▶ If the wiper switch is in the "LO" or "HI" position, after releasing the wash switch, the washer stops spraying water, and the wiper keeps the low or high speed wiping.

### Wipe Once When Click

- Turn the washing switch to the "MIST" position and release it immediately, the wiper will wipe once.
- Turn the washing switch to the "MIST" position and hold it there, the wiper will continuously wipe. After released, the wiper stops.

#### Caution

- When the front windshield is frozen or there is a lot of snow, it is recommended to clear it manually firstly then start the wiper, otherwise the wiper motor may be easily damaged.

### Simulated Sound in Low Speed

G3 is a pure electric vehicle with low noise when starting or driving. In order to attract the attention of pedestrians on the road, it is equipped with a sound simulator of low-speed analog sound.

When the vehicle speed is less than 30km/h, the vehicle will emit a simulated sound.

## Powered On and Off

### Power On

1. When main driver seat is empty and the main driving door is closed, when it is opened, the vehicle is powered on.
2. After the key is in the vehicle in power-off state, the vehicle can be powered on by stepping on the brake pedal.

### Power Off



1. After the vehicle is powered on, press emergency power off switch for about 5 seconds, and then enter the forced power-down process.
  - ▶ When the vehicle is in a static state, after a long press for 5 seconds, the vehicle will be powered off.
  - ▶ If the vehicle speed is more than 3km/h within 5 seconds, the dashboard will pop up a message "You have triggered

the emergency power off function, and the system is about to be powered off, please confirm", you need to confirm whether to power off via the steering wheel control button, the left roller corresponds to "Cancel" ", the right roller corresponds to "Confirm". If you do not click "Confirm" and "Cancel" during the pop-up time, it will not be powered off by default.

### **i** Tips

- If the vehicle is not in the READY state, do not step on the brake pedal when pressing the emergency power off switch to power off.
2. When the vehicle is powered on or in READY state and the gear is in P position, nobody is in the driver's seat, and all doors (including the front cabin lid and tailgate) are closed, the following operations will power off the vehicle:

- ▶ Key remote lock.
- ▶ The key is within 1 meter outside the front door, press the front door handle groove to lock.



## Starting Vehicle

1. Enter vehicle with the key.
2. Step on the brake pedal, shift the gear to R or D, the vehicle is started.

### **i** Tips

- After the vehicle is started, the dashboard will beep and the "READY" indicator light will be on.
- During the charging process, the vehicle cannot be started, and the dashboard will display the message "The charging gun is connected and the gear cannot be switched".
- If the brake pedal is not stepped on to start the vehicle, the dashboard will display the message "Please step on the brake pedal before switching gear".

## Emergency Start

If the dashboard displays the message "Please replace the key battery", indicating that the key is in low battery, you can try to hold the key close to the position (as shown in the figure), step on the brake pedal, switch the gear to R or D, the vehicle is started.



### **i** Tips

- Replace the battery in time when the key is in low battery.

### Gear Shifting

Step on the brake pedal, shift up or down shift lever, the gear indicator light is highlighted, and the gear shifting is successful.

### Gear



The vehicle equipped with the follow gears:

- R: Reverse gear
- N: Neutral gear
- D: Driving gear
- P: Parking gear

### R: Reverse gear

When the vehicle is stationary, step on the brake pedal and push the shift lever upward, the "R" gear indicator on the dashboard is highlighted, and the vehicle enters R gear.

### N: Neutral Gear

In the following operations, the vehicle can enter N gear, and the "N" gear indicator on the dashboard is highlighted:

- When the gear is in D gear, push the shift lever down or up 1 gear and hold it for 1 second.
- When the gear is in the R gear, push the shift lever up or down 1 gear and hold it for 1 second.
- When the vehicle is parked, step on the brake pedal and push the shift lever up or down 1 gear for 1 second.

## D: Driving Gear

When the vehicle is stationary, step on the brake pedal and simultaneously push down the shift lever 2 gears, the dashboard "D" gear indicator light is highlighted, and the vehicle enters D gear.

## P: Parking Gear



When the vehicle is stationary, step on the brake pedal and press the P-gear button of the shift lever at the same time. The "P" gear

indicator light on the dashboard is highlighted, and the vehicle enters the P-gear.

- ▶ When the vehicle is powered off, the gear automatically switches to P gear.
- ▶ When the charging gun is connected for charging, the vehicle will automatically shift to P gear.
- ▶ When the gear is in D or R, the vehicle speed is less than 3km/h, the seat belt is not fastened, the brake pedal and accelerator pedal are not stepped on, and the driver side door is opened, then the vehicle will automatically shift to P gear.

### Caution

- Shifting needs to meet certain conditions. If it can't be met, the dashboard will display information such as "In charging, and can't shift gears", "Please step on the brake then shift gears", "Please decelerate firstly, then shift gear" and other information. Operate according to the prompt information to shift the gear.
- If cannot shift gears normally, you should contact the local authorized service center for inspection and repairment.
- Before leaving the vehicle or when the vehicle is on a slope, make sure that the parking gear (P gear) is engaged to prevent the vehicle from moving.

#### Driving Mode

This vehicle provides three driving modes: "STD, SPORT, and ECO".


You can select it through shortcut interface:



- Click the shortcut interface icon in the upper left corner to pop up the function interface, and click to select favorite driving mode.

Can be selected on the central control screen:



- Enter the driving experience interface "  → Driving" on the central control screen, and click to select your favorite driving mode:
  - Standard: moderate dynamic response, more comfortable driving experience.
  - Sport: faster dynamic response, more driving pleasure, and maximum acceleration.
  - Economic: The dynamic response is gentle, obtaining longer cruising range.

### Energy Regeneration

Energy regeneration is a strategy that motor brakes to recover energy and charge the battery, increase cruise range when sliding or braking.

#### Sliding Energy Regeneration

The accelerator pedal and brake pedal are in the released state, and the energy is regenerated in the sliding process.

#### Braking Energy Regeneration

The driver steps on the brake pedal to regenerate the braking energy.

### View the Energy Regeneration Brake



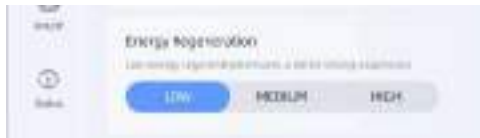
Energy regeneration brake can be viewed by the dashboard energy meter.


- ▶ Long press the roller of the steering wheel to choose and view the energy meter.

### Factors Affecting Energy Regeneration Braking

The amount of energy fed back to the power battery by energy regeneration braking depends on the following factors:

1. The current state of the power battery:
  - Power battery is fully charged.
  - The temperature of power battery is relatively high.
  - The temperature of power battery is relatively low.
2. Energy regeneration settings:



- Enter the driving experience interface "  → Driving" on the central control screen, and click to select the energy regeneration level.
  - The energy regeneration brake adjusts the energy regeneration amount according to the energy regeneration level.
3. Energy Regeneration Mode:

- Different energy regeneration modes have different energy regeneration intensity, and high energy regeneration modes have the greatest energy regeneration braking.

### Tips

- If the energy regeneration brake significantly reduces the speed (for example: when driving on a steep slope), the brake light will be turned on to remind the driver of behind you that you are slowing down.

### Caution

- Brake deceleration through energy regeneration cannot replace the braking required to ensure safety. The driver should apply the brake to the vehicle in a timely manner according to the actual situation.

### A/C





1. Close button of A/C control interface
2. Instructions for use of A/C
3. Display area of PM2.5 data inside the vehicle
4. Top control bar
  - : Seat ventilation/heating function.
  - : PM2.5 air purification function.
  - : Rapid cooling mode.
  - : Smart deodorization mode.
5. Visual display area of wind mode
6. Temperature Adjustment
  - Slide up and down to set A/C temperature.
  - The "Sync" button will appear when adjusting the temperature. After clicking, when setting the left side temperature, the right side will be set synchronously.
7. Air volume adjustment
  - Slide the slider left and right to adjust the air volume.



### 8. Wind Mode

- Click to select the wind mode, the mode is displayed in area 8.

### 9. Bottom Control Bar

- A/C: Click to turn on or off A/C cooling function.
- AUTO: Click to enter A/C automatic control mode.
-  : Click to turn on or off A/C system.
-  : Click to switch between internal and external air circulation.
- ECO: Click the button to enter the economic A/C mode.

### 10. Click to pop up A/C control interface

## MAX AC

- It is suitable for getting on the vehicle in the hot weather in summer and cooling the vehicle quickly. This mode realizes the whole process with one click, improving driving concentration and travel safety.

### Turn On MAX AC Mode

- Click the MAX AC icon to turn on function. After the function is turned on, the system will automatically adjust A/C status such as temperature, air volume and fan speed to quickly reduce the temperature in the vehicle.

### Turn Off MAX AC Mode

- Click the "MAX AC" button low the A/C interface again to exit the function. After exiting, A/C will automatically lower the temperature and wind speed.

- Turn on any one of the defrost mode, AUTO mode, and PM2.5 mode will automatically exit the MAX AC mode.
- When the temperature in the vehicle is lower than 25 °C , it will automatically exit after turning on the MAX AC mode for 1 minute.
- After the function is turned on, if you manually adjust individual settings such as air volume and temperature, the MAX AC mode will be exited.

### Smart Deodorization Mode

- This mode can effectively remove formaldehyde and odor in the vehicle by intelligently setting A/C functions, such as internal and external circulation, air volume and etc.

Turn on smart deodorization mode

- Click the smart deodorant icon to turn it on.

Exit Smart Deodorization Mode

- Click the smart deodorant icon to turn it off.
- Exit by adjusting the air volume and blowing mode.
- Switch to other smart modes.

## Front Seats

### Correct Driving Posture

Whether your sitting posture is correct or not directly affects your concentration and driving safety.

For safety, you should perform the following operations:



1. Sit steady, and feet on the floor.

2. Make sure you can easily step on the pedals, arms bend slightly when holding the steering wheel. and chest should be at least 25 cm away from the center of the airbag cover.
3. Place the middle part of the seat belt between the neck and the shoulder. Pass the buckle of the seat belt tightly around the hip joint (not the abdomen).

#### **i** Tips

- When measuring the depth of the seat cushion, the front and rear positions of the seat should be adjusted to the middle of the slide rail, and the seat back should be adjusted to the normal use state (24°).

## Front Seats Equipped with Multi-directional Electric Adjustment Function.



Operate switch to adjust driver's seat:

- 1 Move the seat forward/backward.
- 2 Adjust the seat height.
- 3 Adjust the backrest.
- 4 Adjust lumbar support \*.




Operate switch to adjust passenger seat:

- 1 Adjust the backrest.
- 2 Move the seat forward/backward.

## Adjust the Driver's Seat on the Central Control Screen




Enter the seat control interface "  → Quick controls" on the central control screen:

- Click the "Advanced" button, the system enters auto seat adjustment interface.
- Click the corresponding buttons to adjust

the backrest, seat height, and move the seat forward/backward.

## Auto Seat Adjustment



- Enter the auto seat adjustment interface "  → Quick Controls → Advanced" on the central control screen. After setting

the parameters according to your own situation, the seat will automatically adjust the position according to the set parameters.


### Caution

- Be careful when adjusting the seat to ensure that the seat will not injure other passengers when moving.
- Do not put your fingers or other body parts under the seat, otherwise you may be pinched by the seat.
- Do not place objects under the front seats, which may be caught between the seat and the guide rail, preventing the seat from locking and causing an accident.

### Caution

- Do not adjust the front seats when the vehicle is driving. Deviation from the correct sitting position when adjusting the seat is easy to cause casualties.
- Do not adjust the seat when the seat belt is attached to prevent the seat belt from deviating from normal use, which may cause injury to the passengers and failure of the protection function.

## Welcome Mode



- Turn it on or off via clicking "  → Vehicle → Driver Welcome Mode" on the central control screen.



### Tips

- After the welcome mode function is turned on, open the door, and the main driver seat will be automatically adjusted and retreated; After getting on the vehicle and closing the door, the seat automatically moves forward to the memory position for easy entry and exit.

## Seat Ventilation/Heating\*



- Click  on the central control screen to enter A/C control interface, and click  to enter the seat ventilation and heating function interface.

- Click  button, the system turns on the corresponding side seat heating function. Click the button one time, the heating function will change one level.
- Click  button to turn on the ventilation function of the main driver's seat. Click the button one time, the ventilation function will change one level.
- Click "ALL OFF" button to turn off the seat ventilation and heating function.

### Tips

- When seat ventilation/heating function is turned on, system defaults that the highest level is three. Click the button and it will reduce one level and the corresponding level indicator will light up.



## Back Seats

The back of the rear seat of this vehicle is a split seat, which can be folded forward independently.

### Fold the Back Seats



1. Press the seat back switch.
2. Fold the seat back forward.
  - ▶ To restore the seat back, lift the back up and push it backward until the back is firmly locked.

### ⚠ Caution

- When folding the seat back, the items on the rear seats should be removed to avoid hindering the folding of the seat back.
- After restoring the seat back, check whether it is firmly locked.

### Travelling with Children

#### Ride Guide for Children

To protect children, appropriate child safety seats should be used according to the child's age, weight, and height. Please strictly follow the instructions provided by the child safety seat manufacturer.

#### Sun Visor Label

Refer to the following label installed on the sun visor.

#### Tips

- The picture shown below is for reference only, please refer to the actual object on the vehicle.

#### Warning

- It is forbidden for children to sit in the front passenger seat.
- Do not place rear-facing child seat on a seat with airbag, otherwise it may result in death or serious injury.



## Child Safety Seat Information

Weight Group		Front passenger seat	Rear middle seat	Rear seats on both sides
0 Group	10 kg	x	x	U
0+ Group	13 kg	x	x	U
I Group	9 - 18 kg	x	x	U/UF
II Group	15 - 25 kg	x	x	U/UF
III Group	22 - 36 kg	x	x	U/UF

### Remark:

U: This weight group is suitable for the use of "General" child safety seats.

UF: This weight group is suitable for the use of forward-facing "General" child safety seats.

X: Seats not suitable for the use of child safety seats of this weight group.

### Child Safety Seat Size Category

Size	Represents
A	Full height forward child restraint system for children who just begin walking
B	Reduced height forward child restraint system for children who just begin walking
B1	Reduced height forward child restraint system for children who just begin walking
C	Full size backward restraint system for children who just begin walking
D	Reduced size backward restraint system for children who just begin walking
E	Backward child restraint system for infants
F	Left side-ward Child restraint system (portable bed)
G	Right side-ward Child restraint system (portable bed)

## Child Safety Seat Fixed with ISOFIX

Weight Group		Size	Fixed position	Front passenger seat	Back middle seat	Back seats on both sides
Portable Crib		F	L1	x	x	x
		G	L2	x	x	x
0 Group	10 kg	E	R1	x	x	IL
0+ Group	13 kg	E	R1	x	x	IL
		D	R2	x	x	IL
		C	R3	x	x	IL
I Group	9~18 kg	D	R2	x	x	IL
		C	R3	x	x	IL
		B	F2	x	x	IUF
		B1	F2X	x	x	IUF
		A	F3	x	x	IUF

### Remark:

IL: For ISOFIX child safety seats in the "Specific Vehicles, Restricted or Semi-Universal" category.

IUF: The universal ISOFIX forward-facing child safety seat for this weight group.

X: The seat position does not support ISOFIX child safety seat installation.

ISOFIX: International standard for fixing points of child safety seats in passenger vehicles.

### Travel with Elder Children

If the child is too big to use the child safety seat, but is too small to use the standard seat belts safely, you can purchase and use the child heightening seat cushion that meets the relevant regulations or standards correctly. Children heightened seat cushion can be used to heighten children, so that the seat belt shoulder straps can just cross the middle of the shoulders, and lower the seat belt to the crotch part.

### Child Safety Seat Installation

There are generally two ways to install a child safety seat:

1. Child safety seat with fixed seat belt:
  - These seats are secured with the seat belt of the vehicle.
2. ISOFIX fixed child safety seat:
  - These seats can be fixed to the anchors built into the rear seats of the vehicle.

### Installing Child Safety Seats with Fixed Seat Belts



1. Place the child safety seats on the left or right side of rear seat, and then pull out the seat belt completely. Tie and fasten the seat belt according to the instructions of the child safety seat manufacturer.
2. Retract the seat belt, push the child safety seat firmly into the seat, and tighten the loose seat belt.
3. If the child seat has an upper tether, attach the tether to the seat back.

### ISOFIX Anchor Fix Point



The ISOFIX anchor fixing point is located between the seat backs and seat cushions on both sides of the rear row. The sign indicates the exact location of every anchor fixing point (as shown).

- ▶ The anchor fixing point is located directly under the child safety seat recognition button.



The ISOFIX anchor fixing points are located behind the seat backs on both sides of the rear seat. The sign indicates the exact location of every anchor fixing point (as shown).

- ▶ The anchor fixing point is located directly under the child safety seat recognition button.

### Check the Child Safety Seat

After installing the child safety seat, make sure that the child safety seat is not loose:

1. Fix the child safety seat according to the seat belt path, and try to slide the child safety seat from side to side and from front to back.
2. If the child safety seat can move more than 2.5 cm, it is too loose, then fasten the seat belt or reconnect the ISOFIX fixed child safety seat.
3. If it cannot be fastened, try another seat position or change another child safety seat.


#### Warning

- Even if use a child safety seat or a booster seat, do not allow children to ride in the front passenger seat, and do not place a rear-facing child safety seat on a seat equipped with an activated airbag, otherwise there will be a risk of serious injury or death.
- Do not use forward-facing child safety seats until children weigh is more than 9 kg and he can ride independently. The spine and neck of a child under two years old are not fully developed. Avoid frontal collision injuries.
- Do not let infants sit on laps. All children should always be restrained in appropriate child safety seats.



 Warning

- To ensure a safe ride for children, be sure to follow all instructions detailed in this manual and the instructions provided by the manufacturer of the child safety seat.
- Do not use seat belt extensions on seat belts used to install child safety seats or booster chairs.
- When a child with a larger body, make sure that the child's head is supported, and properly adjust and fix the child seat belt. The shoulder belt must avoid the face and neck, and the overlapping parts must also avoid the abdomen.
- Never tie two child safety seats to an anchor fixing point. In the event of a collision, one anchor point may not be sufficient to secure the two seats.

 Warning

- The anchor fixing point of the child protection device only bears the load from the correctly installed child protection device. Under no circumstances can child protection devices be used on adult seat belts, wiring harnesses or other items or equipment.

### Install ISOFIX Child Seat



Child safety seats can only be installed on the left and right side of rear seats.



1. Place the child safety seat on the rear seat.
2. According to the instructions of the child safety seat manufacturer, insert the lower fixing bracket of the child safety seat into the ISOFIX anchor fixing point.



- 3. If the child safety seat is equipped with an upper strap, it is recommended to choose to configure the upper strap on both sides and they must be fastened.
  - ▶ When the seat is equipped with a unilateral upper tether, wrap the strap around the inside of the headrest, connect the hook to the anchor point, and tighten the strap.

- ▶ When the seat is equipped with double upper straps, wrap the straps around the sides of the headrest, connect the hook and loop to the anchor point, and tighten the straps.

### Warning

- Always check the safety belts and ties for damage and worn.
- Even if the child has been fixed in the child safety seat, do not leave the child alone in the vehicle.
- Never use a child safety seat that has been involved in a vehicle accident. Please check or replace the seat as required by the child safety seat manufacturer's instructions.

### Child safety Lock

The vehicle is equipped with a child lock on rear side door. After opening, it can prevent children from accidentally opening the rear door with the handle inside the door, reducing the risk of accidents.



- Locking: Insert a mechanical key and turn counterclockwise to lock the child protection lock.
  - ▶ It is recommended that lock the child safety lock while children sitting in the rear seat.

- Close: Insert the mechanical key and turn clockwise to open the child safety lock.

### Warning

- The use of child safety lock can prevent children in the vehicle from unintentionally opening the rear door and reduce the risk of accidents.
- When the child safety lock is locked, the rear door cannot be opened by pulling the inner handle. At this time, it should be opened from outside; do not pull the inner handle too hard to avoid damage.
- Do not leave children alone in the vehicle.



## Seat belt

### The Use of Wearing a Seat Belt Correctly

Before the vehicle collides, buckling the seat belt correctly can restrain the occupants in a limited position.

After a vehicle collision, the seat belt assists other safety systems to simultaneously absorb the energy generated by the collision, slow down the inertia of the driver's forward movement, prevent the driver from throwing forward, and at the same time enable the driver to get the best protection of the airbag, minimize the impact damage it receives.

#### Caution

- In the event of a severe frontal or side collision, the pretensioner will operate simultaneously with the airbag. The pretensioner automatically tightens the seat belt webbing to reduce the slack of the seat belt on the legs and diagonal parts, thereby reducing the forward tilt of the driver and passenger.

### Seat Belt Pretensioner

In the event of a severe frontal or side collision, the pretensioner will operate simultaneously with the airbag. The pretensioner automatically tightens the seat belt webbing to reduce the slack of the seat belt on the legs and diagonal parts, thereby reducing the forward tilt of the driver and passenger.



If the pretensioner and airbag are not activated during a collision, it does not mean that they have malfunctioned. This usually means that the intensity or type of collision is not enough to activate them.

### Warning

- Once the seat belt pretensioner is activated, it must be replaced. After the accident, the airbags, seat belt pretensioners and other related components must be submitted for inspection and replaced if necessary.



## Electric Seat Belt with Collision warning

The electric seat belt has the following functions:


1. Clearance elimination function: After the vehicle is ready and the driver fastens the seat belt, the electric seat belt will be automatically recovered, eliminating the gap between the driver and the seat belt webbing to achieve the best wearing comfort.
2. Automatic recovery function: When the driver unlocks the seat belt lock, the electric seat belt will be recovered smoothly until it is completely stored.
3. Secondary collision warning function: When the electric seat belt receives the danger warning signal from the forward collision mitigation during vehicle driving, the electric seat belt will vibrate and prompt the driver tactily.

4. Third-level collision pre-tensioning function: When the electric seat belt receives the collision pre-tension signal issued by the forward collision mitigation during the vehicle driving, the electric seat belt will automatically recover, restrain the driver on the seat back, and reduce the injury or death risk of driver.

4

## Turn On or Off the Main Driving Electric Seat Belt



- Turn on/off via the switch "  → Vehicle → Driver Electric Seat Belt" on the central control screen. After the electric seat belt is closed, the seat belt gap elimination function and the automatic recovery function remain activated.

### Warning

- Do not adjust or repair the electric seat belt by yourself. If the electric seat belt fails, please contact the local authorized service center for maintenance.
- In the event of a collision or a similar situation, if the seat belt is subjected to a strong impact, a new seat belt needs to be replaced in time. If the seat belt shows signs of wear or damage, it must also be replaced.
- Although electric seat belts can alert you to danger or avoid or mitigate injuries when a danger occurs, you still need to drive carefully to avoid danger.

### Check the Seat Belt

To confirm the normal operation of the safety belt, the following three simple inspections must be performed on each safety belt.

1. Fasten the seat belt and quickly pull out the seat belt at the position closest to the buckle. The buckle should remain securely locked.
2. Unfasten the seat belt and rewind the seat belt to the maximum. Check whether the seat belt pulled out is too slack, check the wear of the seat belt.
3. Pull out the seat belt halfway, hold the lock tongue and quickly pull forward. The internal locking mechanism of the seat belt will automatically lock to prevent the seat belt from being unwound excessively.

If any seat belt fails any of the above tests, please contact your local authorized service center immediately.

### Fasten Seat Belt Properly



1. Slowly pull out the seat belt, and pass the seat belt around the entire pelvis, chest, and collarbone smoothly, keeping it between the neck and shoulders.
2. Insert the latch plate into the buckle until it clicks, making sure it locks in place.
3. Pull the seat belt firmly to check whether it is fastened.
4. Tighten the seat belt towards the reel to tighten the excess slack.

### Unbuckle Seat Belt



1. Hold the latch board.
2. Press the button on the buckle.
3. Always hold the latch plate to ensure that the seat belt is slowly rewinded.

### Pregnant Women Use Seat Belts

Pregnant women wearing seat belts correctly can effectively reduce injuries to pregnant women and fetuses in the event of a collision or sudden stop.



Pregnant women should wear hip/shoulder seat belts correctly. The shoulder strap should pass through the chest from a suitable position. The crotch strap should pass through the crotch as low as possible and fit under the "swell" abdomen. The seat belt must be

flat and there is no pressure on the pregnant woman's lower body.






Please consult a doctor for better advice.

### Disabled People Use Seat Belts

Persons with disabilities should also fasten seat belts correctly when riding in the car.


Please consult a doctor for better advice.

### Seat Belt Warning Light

1.  Driver seat belt is not fastened indicator light
2.  Front passenger seat belt is not fastened indicator light
3.  Left rear seat belt is not fastened indicator light
4.  Middle rear seat belt is not fastened indicator light
5.  Right rear seat is not fastened indicator light

If the front passenger is not wearing a seat belt, the corresponding seat belt indicator light on the dashboard will flash with intermittent beeping.

If the rear passenger is not wearing seat belt, the corresponding seat belt indicator light on the dashboard will flash (the function is off by default).

- It can be turned on by the switch button on the central control screen "  → Vehicle → Seats & Belts → Rear Seat Belt Reminder".

If all the occupants in the car have fastened seat belts and the warning light is still flashing, please fasten the seat belts again to ensure that the seat belts are properly locked.

## Notes on Seat Belts

### Caution

- When the vehicle is driving, all person in the vehicle must wear the seat belt correctly, otherwise, in the event of an accident, it is easy to increase the risk of casualties.
- When wearing a seat belt, the seat belt must fit the body without twisting, and the shoulder belt portion of the seat belt must be bypassed from the middle of the occupant's shoulder. And it must be tied to the upper body of the passenger and tightened. The waist part of the seat belt must be as low as possible, around the hips, if necessary, pull down the seat belt body slightly, and pull in the direction of the seat belt retract to adjust.

### Caution

- Do not press the seat belt on fragile or sharp objects (such as pens, keys, glasses, etc.). The pressure generated by the seat belt on these objects may cause injury.
- Each seat belt is only used by one person in the car. It is forbidden to hold the child on the lap and share the seat belt with the child.
- If the seat belt is found to be worn, cracked or damaged, must contact the local authorized service center for replacement.
- Avoid seat belts being affected by any chemicals, liquids, etc. If the seat belt cannot be retracted or locked in the buckle and cannot be removed, must immediately contact the local authorized service center for inspection.

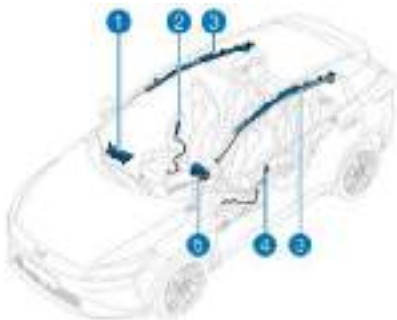
### Caution

- Do not add unauthorized additional accessories to the seat belt without authorization, including but not limited to the following products: extra bolts, webbing stoppers, buckle extension joints, etc., which will reduce or even lose the normal protection function of the seat belt.
- When the safety belt is not in use, it should be fully retracted and must not be suspended. If the seat belt cannot be fully retracted, please contact the local authorized service center immediately for inspection.

### Airbags

#### The Position of Airbags

The airbags are located in the positions shown below. The airbag warning message is posted on the sun visor.




- ① Passenger front airbag
- ② Passenger seat side airbag
- ③ Curtain airbag \*
- ④ Driver's seat side airbag
- ⑤ Driver's front airbag

#### i Tips

- Airbags cannot replace seat belts. Regardless of whether the airbag is triggered, the seat belt can reduce the risk of serious injury or death in an accident. Therefore, the seat belt must be fastened correctly. Airbags only provide protection when triggered, and not all types of accidents will trigger airbags.

### Auxiliary Protection System Indicator Light

After the vehicle is powered on, the indicator  on the dashboard will light for a few seconds, and it will be turned off after the system completing the self-test. If after the system self-test, the indicator is not turned off or turned on again after turned off, or always turned on, which indicates that the airbag system is in malfunction, please contact the local authorized service center immediately for inspection.

### How Airbags Work

Whether airbags inflate does not depend on the speed of the vehicle when the accident occurs, but depends on the collision intensity collected by the collision sensor when the accident occurs. When the impact force of a collision is absorbed or dispersed to the vehicle body, the airbags may not inflate; however, airbags sometimes may inflate depending on the impact conditions during an accident.

Therefore, whether airbags inflate or not is not judged based on the degree of damage to the vehicle.

Airbags may inflate under the following conditions:

- When crossing the deeper groove, the car head hits the ground.
- When hitting bumps, curbstones, etc.
- The car bumped into the ground when going down a steep slope.

Airbags may not inflate under the following conditions:

- Hit a concrete pillar, tree or other elongated object.
- Hits the tail of a large truck and other large trucks rear-end collision.
- The rear of the vehicle encountered rear-end collision of other vehicles.
- The vehicle rolls side or rolls over.
- Hit the wall or vehicle from side direction.



Airbags inflate vigorously in an instant with a loud noise. The inflated airbags and seat belts can restrict the movement of occupants and reduce the risk of injury.

### Impact of Airbags Inflation

When airbags inflate, a fine powder will be released. This powder irritates the skin and should be washed thoroughly.

After airbags inflate, it will retract its volume, bringing a gradual shock absorption effect to the driver and passengers, and ensuring that the driver's front view is not blocked.

If airbags has inflated or the vehicle has had an accident, please contact the local authorized service center to check airbags, seat belt and other related components.

#### Warning

- Do not use the seat cover, otherwise it will limit the inflation of the side airbag of the seat when an accident occurs, and will also reduce the accuracy of the passenger detection system after used.
- Airbags inflation has considerable speed and strength and can cause personal injury. To prevent injuries, must ensure that driver and all the passengers in the car fasten the seat belts correctly.
- Do not use child safety seats or let children ride on seats with airbags on the front. Otherwise, if airbags inflate, it may result in injury or death.
- Passengers must not rest their heads on the door. Otherwise, the curtain airbag may cause injury when inflate.

### Warning

- Do not allow passengers to place their feet, knees, or any other part of the body above or near the airbag, as this may prevent airbags from functioning properly or may cause fractures or other injuries when the airbags inflate.
- No objects should be loaded or placed on or near the front airbag, the side of the front seats, above the roof of the side of the vehicle, or any other airbag cover that may interfere with the inflation of the airbag. If the vehicle collides violently, causing the airbag to inflate, these items may cause serious injury.
- After airbags inflate, the airbag module heats up. Do not touch it by hand, wait for it to cool down to room temperature.

### Electronic Parking Brake System (EPB)

#### Automatically Activate/Release Parking Brake


- Activate: When the vehicle is stationary and shifts to P gear, the parking brake is automatically turned on and the dashboard displays the EPB indicator.
- Release: When the vehicle is still on a flat ground (the road gradient is less than 3%), close the doors and fasten the seat belts, change to the R or D gear, the parking brake is automatically released. EPB switch indicator light goes out and EPB indicator light on the dashboard goes out.
- When the vehicle is still on an uneven road (the road gradient is greater than 3%), close the doors and fasten the seat belts, and after shifting into R or D gear, step on the accelerator pedal deeply, the parking brake is automatically released. EPB switch indicator light goes out, and the EPB

indicator light on the dashboard goes out.

#### Manually Activate/Release Parking Brake



- Activate: When the vehicle is stationary, lift up EPB switch or shift to P, indicator light (P) on the dashboard lights up, indicating that the parking brake has been successfully activated.
- Release: When the vehicle is stationary, step on the brake pedal, press EPB switch,

the indicator light  on the instrument panel goes out, indicating that the parking brake is successfully released. When the vehicle is in the P gear, the parking brake cannot be released by pressing EPB switch.

### Tips

- When the parking brake is turned on or off, the system will emit operating noise, which is normal.
- After the parking brake is turned on, if the vehicle cannot be powered on due to the empty 12V battery, then the parking brake cannot be released, it can be released by jumper connection ([Refer to page 257](#)) or contact your local authorized service center for processing.

### Caution

- If the parking brake cannot be automatically activated when the gear is shifted into P after the vehicle stops, or if the parking brake cannot be automatically released when the gear is shifted into R or D, you can try to manually activate/release the parking brake. If you cannot manually activate/release, the local authorized service center should be contacted immediately for overhaul.
- Do not drive the vehicle without releasing the parking brake, otherwise the electronic parking brake system will be easily damaged.

### Dynamic Parking Brake




- When the vehicle is running and encounters an emergency situation, such as braking failure, EPB switch can be lifted to activate dynamic parking braking. The vehicle will decelerate at a certain range of deceleration values until it brakes to standstill or release switch.
  - ▶ The dashboard will display the message "Dynamic Braking".


#### ⚠ Caution

- If ESP fails, the dynamic parking brake is performed by EPB. Since EPB only acts on the rear wheels, it is recommended not to use dynamic parking brake in non-emergency situations, otherwise it will easily cause accidents and shorten EPB service life.

### AutoHold

When you need to stop for a short time, after the vehicle stops, step on the brake pedal deeply, the indicator light  on the dashboard will light on, at this time there is no need to continue to step on the brake pedal, AutoHold will automatically activate the brake to keep the vehicle stopping; stepping on the accelerator pedala will start driving , AutoHold is automatically released.



- When the vehicle is READY, turn it on/ off via "  → XPILOT → AutoHold" switch on the central control screen.

### Tips

- The following conditions must be met to trigger the AutoHold: close the main driving door, fasten the seat belt, and put the gear in D, R or N gear.

### Caution


- AutoHold can't go beyond the kinematics law, please activate the parking brake according to the road conditions.

### Electronic Stability Program (ESP)

ESP can identify the driving state of the vehicle (such as understeer, oversteer or drive wheel slip) by sensors, which can specifically brake intervention or limit the driving torque, effectively reduce the risk of sideslip or tail flick, to ensure the driving stability of the vehicle.

### Turn On or Off on the Central Control Screen



- Turn it on /off through"  → XPILOT → Electronic Stability Program" switch on the central control screen.

### i Tips

- When the vehicle is powered on, the ESP function is automatically turned on by default.
- ESP will limit the power output when the vehicle skids (starting or rapid acceleration on a snowy road, muddy road), so when the vehicle is stuck in muddy, etc., you need to temporarily shut down the ESP system, and then turn it back on after getting out of trouble.

### ⚠ Warning

- ESP can not prevent accidents caused by dangerous driving or high-speed emergency steering.
- If ESP fails, please contact the local authorized service center immediately for overhaul.

### Traction Control System (TCS)

When the vehicle starts or accelerates rapidly on a smooth road such as ice and snow, the drive wheels will slip; TCS controls the brake pressure and the vehicle torque output to minimize wheel idling.

### Anti-lock Braking System (ABS)

ABS prevents the wheels from locking when apply the maximum braking force. Under most road conditions, it can improve the vehicle's steering control performance under emergency braking conditions.

In an emergency braking situation, ABS continuously monitors the speed of every wheel and adjusts the brake pressure according to the locking state.

At this time, you may feel the brake pedal vibration, which indicates that ABS is working, and do not panic, you can drive subjectively according to the road conditions.

When the ABS fails, the basic braking function is still normal and will not be affected by the ABS failure, but the braking distance will increase. It is recommended to contact the local authorized service center for repair immediately.



## Emergency Braking

In case of emergency, fully step on the brake pedal and maintain a stable pressure. ABS changes the braking pressure applied to every wheel according to the amount of traction available, preventing the wheels from locking and ensuring safe parking.

### Warning

- The driver should always maintain a safe distance from the front vehicle and grasp the dangerous situation while driving. Although ABS can improve the braking distance, it can not exceed the laws of physics, nor prevent the danger caused by tire slip (such as when there is a water layer between the road and the tire to prevent the tire from directly contacting the road).

## Braking Force Distribution System (EBD)

EBD is a part of ABS. EBD balances the braking force distribution of front and rear wheels according to the load on the vehicle during regular braking of the vehicle.

EBD will properly distribute the power generated by the braking system to the four wheels according to the adhesion between each wheel and the ground, so that the braking force can get the best efficiency, and the braking distance is obviously shortened. Keep the vehicle stable when braking, and improve driving safety.

### Hydraulic Brake Assist (HBA)


In case of emergency, quickly step on the brake pedal and hold, HBA will generate a greater brake pressure than normal braking, so that the brake system can generate the pressure required for the maximum deceleration of the vehicle in the shortest time, thus get the shortest braking distance.

#### Warning

- HBA can improve driving safety, but cannot exceed the laws of kinematics. Please adjust the speed according to road conditions and traffic regulations.

### Emergency Brake Alarm




- Turn on/ off via "  → XPILOT → Emergency Brake Alarm" on the central control screen.
- When it is turned on and the vehicle speed is greater than 80km/h, emergency brake, the emergency brake light will be lit to remind the driver of the vehicle behind to prevent rear-end collision.

### Hill Descent Control (HDC)

HDC is a cruising function, which can help the driver to go downhill at a constant speed, and relieve the fatigue of the foot that has been stepping on the brake pedal when going downhill.

### Turn On or Off on the Central Control Screen



- Turn it on/off through "  → XPILOT → Hill Ddscent Control" on the central control screen.
- HDC working velocity:  $8 < V < 38\text{km/h}$ . During HDC working, if step on the brake

or throttle, the function will exit to let the driver take over the vehicle; when the speed exceeds 64km/h, the function will completely exit and prohibit entry.

#### Tips

- HDC can work on slopes  $\leq 50\%$ .
- Conditions for activating HDC: vehicle speed  $< 34\text{km/h}$ ; brake disc temperature is normal; ESP system is normal.

#### Caution

- HDC can actively keep the vehicle falling at a constant speed, but cannot exceed the laws of kinematics. For safety reasons, the driver should apply the brake in time according to the actual situation of the vehicle to avoid accidents caused by excessive downhill speed of the vehicle.



## Radar

This car is equipped with two types of radar: ultrasonic sensors and millimeter wave radar.

- Ultrasonic sensors provide detection information for parking system and full-scen Automatic parking system.
- Millimeter-wave radar provides detection information for intelligent safety and Intelligent Driving Assist.

The radar is only used to detect targets around the vehicle, providing detection information for related functions.

## Radar Installation



### ⚠ Caution

- In order to avoid affecting the performance of the radar sensor, it is strictly forbidden to paint the body and the rear bumper, add surrounds, trims, etc.

## Radar Maintenance

- In order to ensure the normal operation of the radar, it must be kept clean and free of foreign objects such as ice, snow, water, and dust.
- When foreign objects are found on the radar surface, please wipe them with a soft cloth or wash them with water (low water pressure). Do not use high-pressure water gun to flush the radar, and do not use abrasive or sharp objects to clean the radar.

### Warning

- When the radar is damaged, it must be replaced or repaired in time, but do not replace or repair it by yourself. It is recommended to contact the local authorized service center for replacement or repair.
- The radar cannot work properly in all driving situations or traffic, weather and road conditions. When the vehicle is in a complex environment or in poor condition, the driver should drive carefully and always be responsible for ensuring driving safety.
- The front and rear license plates are not allowed to install license plate frames and other objects to avoid interference with sensors such as radar and cameras.

### Warning

- The license plate should be regularly maintained to prevent the risk of tilting and deformation causing abnormal operation of the radar and camera. If radar and camera work abnormally, please contact the local authorized service center in time.

### Limits and Errors

When the radar cannot work normally, the functions relying on the radar to provide detection information will be limited, causing these functions to work abnormally. At the same time, the detection range of the radar is limited, and targets beyond the detection limit cannot be detected.

When the environment of the radar is bad, it will affect the normal operation of the radar. In addition, when the target state detected by the radar is abnormal, it will also affect the detection result of the radar.

The following conditions can cause the radar fail to detect the target, detect delay, or detect errors:

- Bad climatic conditions (such as heavy rain, heavy snow, dense fog, etc.).
- The surface of the radar is attached to foreign objects such as ice, snow, water, and dust.
- The target detected by the radar is attached to a substance that absorbs sound waves, such as: snowflakes, foam, cotton objects, etc. or there are objects near the vehicle that can cause the sound waves to be reflected incorrectly.
- Road bumps or sway caused by uneven roads or other reasons.
- The detected object is too small.

- There is interference of sound waves with the same frequency around

The above examples, warnings, and restrictions do not describe all the conditions that affect the normal operation of the radar sensor.

### Camera

The vehicle is equipped with 3 kinds of cameras: (4 in total: front camera, rear camera, left camera, right camera), in-car forward-looking camera, roof camera\*.

- The forward view camera in the car provides detection information for intelligent safety and Intelligent Driving Assist.
- The surround view camera provides detection information for intelligent, safe and all-scen Automatic parking system.

The camera performs target recognition in a visual form. After recognizing the target within your visible range, it provides identification information for related functions.

### Camera Installation Location



### Camera Maintenance

- In order to ensure the normal operation of the camera, the camera must be kept clean and free of foreign objects such as ice, snow, water, and dust.
- In order to ensure the normal operation of the camera, the windshield in front of the camera must be kept clean and there must be no objects blocking between the camera and the windshield.



- When foreign objects are found on the surface of the camera, wipe with a soft cloth or wash with water (low water pressure). Do not flush the camera with a high-pressure water gun. Do not use abrasive or sharp objects to clean the camera.

### Warning

- When the camera is damaged, it must be replaced or repaired in time, but do not replace or repair it by yourself, please do contact the local authorized service center for replacement or repair.
- The camera cannot work properly under all driving conditions or traffic, weather and road conditions. When the vehicle is in a complex environment or in poor condition, the driver should drive carefully and always be responsible for ensuring driving safety.

## Limits and Errors

When the camera cannot work normally, the functions relying on the camera to provide identification information are limited, causing these functions to work abnormally. At the same time, the recognition range of the camera is limited, and it is impossible to recognize the target beyond the recognition limit.

When the external environment is poor, resulting in unclear camera vision, it will affect the recognition ability of the camera, and blocking the camera will make the camera completely lose the recognition ability.

The following conditions will cause the camera to fail to recognize the target, recognition delay or recognition error:

- Darkness (poor lighting conditions) or poor visibility (due to heavy rain, heavy snow, dense fog, etc.).
- Weather conditions (heavy rain, snow, fog, extreme heat, or extreme cold temperatures) interfere with camera

operation.

- The camera is facing the direct light source or the light intensity is insufficient.
- The surface of the camera is attached by foreign objects such as ice, snow, water, and dust.
- Light changes dramatically (eg: entering and exiting the tunnel).
- Uneven roads cause bumps or shaking.
- The view of the camera is blocked.
- The windshield is deformed or damaged by external force, resulting in a difference in the position or angle of the camera from the factory. The color of the windshield will also affect the camera.

The above examples, warnings, and restrictions do not describe all conditions that affect the normal operation of the camera.

## Parking System

The parking system assists the driver to observe and perceive the surrounding environment during low-speed driving or parking. When there are obstacles that hinder driving or parking, the driver is provided with visual and audible warnings or prompts.

The parking system can assist the driver:

- Detect obstacles around the vehicle.
- Provide reversing or panoramic images.
- Provide distance information between the vehicle and obstacles.

Information about the parking system:

- Parking radar (front, rear, side) [Refer to page 132.](#)
- 360° panoramic visual parking assist system [Refer to page 135.](#)

### Warning

- The parking system only provides the driver with parking and low-speed driving assistance. It cannot replace the driver to control the vehicle and the parking system has certain restrictions. Please drive carefully and park safely.
- The parking system cannot work properly in all conditions of all weather, road and traffic conditions.

### Parking Radar

Parking radar includes parking radar (front), parking radar (rear), parking radar (side).

Parking radar can detect obstacles ahead when the vehicle is traveling at a low speed, and issue a warning when the vehicle approaches the obstacle to assist the driver in avoiding the risk of collision.

When the vehicle is reversing, parking radar will detect the surroundings of the vehicle, regardless of the obstacle is in front or behind, as long as the obstacle is closer to the vehicle, parking radar will send a warning message to the driver to assist the driver to ensure the reverse safety.

### Warning Information Includes:

1. Visual warning message

As the distance between the vehicle and the obstacle decreases, the warning is as follows:

### Dashboard Image Display



### Central Control Screen Image Display



- Area green indicates approaching obstacles.
- Area yellow indicates a risk of collision.

- Area red indicates about to collide.
2. Audible warning message: buzzer warning  
As the distance between the vehicle and the obstacle decreases, the frequency of the warning sound will gradually increase, and the warning sound will continue to be emitted when it is about to collide with the obstacle.

### Installation Location of Parking Radar



- When the vehicle is in D gear, the ultrasonic sensor No. 1 2 3 4 9 11 will be activated to detect obstacles in front of the vehicle.
- When the vehicle is shifted to R gear, all

ultrasonic sensors will be activated to detect obstacles around the vehicle.

### Warning

- In the process of Automatic parking, the audible warning information of parking radar will be weakened, but there will still be the necessary warning information. You need to pay attention to the observation when parking radar sends out the warning information, and brake if necessary.
- When the vehicle is in a high speed, parking radar will close alert.
- Parking radar only issues a warning message when it detects an obstacle, so it may not issue a warning message or delay it, or it may issue an unnecessary warning message. Relying solely on parking radars to warn of potential collisions may result in serious personal injury or death.

### Warning

- Don't wait for the warning message of parking radar, you need to brake as appropriate to ensure the vehicle safety.

### Limits and Errors:

Parking radar can detect various obstacles, vehicles, bicycles, or pedestrians. A variety of reasons may cause unnecessary, untimely or invalid warnings or omissions, such as:

- Radar limited (Radar limited conditions [Refer to page 126](#))
- When the vehicle approaches an obstacle at a rapid speed, parking radar warning message may be delayed.
- Parking radar will still issue a warning message when obstacles that are relatively soft (such as thin tall weeds) will not damage the vehicle.

360°AVM



— Click  to enter interface:

- ① Image display area: Displaying the image obtained by the camera.
- ② Filter button \*: Click to select a filter mode.
- ③ Panorama parking mode button: Click to select panorama parking mode.
- ④ Roof camera mode button \*: Click to select the roof camera mode.
- ⑤ Photo mode button: Click to select photo mode.
- ⑥ Video mode button: Click to select video mode.
- ⑦ Photo/Video:
  - Click to take a photo in photo mode.
  - Click to start or end taking video in video mode.
- ⑧ Album: Click to enter the album to view the photos or videos taken by the panoramic parking camera or the roof camera (Photo or video).

- ⑨ Taking photo by gesture \*: Click to pop up gesture photo interface.
- ⑩ Vehicle body: Click the front, rear, left and right sides of the vehicle body, the roof camera will rotate to the corresponding direction according to the operation, and the image display area will display the corresponding image according to the camera direction.
  - Clicking the icon on the vehicle body can raise or lower the roof camera.

### Taking Photo by Gesture \*



- ① Switch: Click to turn on or off the gesture camera function.
- ② Photo taking gesture recording: Tap to record a custom gesture to take a photo.
- ③ Camera following gesture recording: Tap to record a custom camera following gesture.
- ④ Camera retracted gesture recording: Tap to record a camera retracted custom gesture.
- ⑤ Interface close: Tap to close the gesture camera interface.



## Forward Collision Mitigation

Forward collision mitigation includes forward collision mitigation (FCM) and automatic emergency braking (AEB) two active safety assistance functions, which can prevent vehicle collision or reduce the speed of vehicle collision, to improve the safety of drivers and passengers.

When there is a risk of forward collision, FCM will warn the driver visually, audibly and tactilely until the driver applies the brake within a reasonable time or the risk of collision is removed, otherwise the vehicle will assist in braking.

FCM may enable short, rapid braking to deal with different collision risks. For most drivers, it is not a normal driving style and may feel uncomfortable.

If the risk of collision increases further, AEB will intervene in the brake, regardless of whether the driver has applied the brake.

After FCM successfully avoids the collision, the vehicle will remain stationary for a short time, the driver should take proactive action as soon as possible.

FCM is an auxiliary function, which can't help drivers in all cases. At most, the impact of frontal collision can be minimized by reducing driving speed. Moreover, the system is designed to start as late as possible to avoid unnecessary intervention. Drivers or passengers usually notice the function of forward collision mitigation only when vehicles are about to collide. Do not rely on forward collision mitigation to replace the response that drivers should make.

### Warning Message

1. Text reminder: FCM/AEB is enabled.
2. Visual warning message in emergency.



3. Audible warning information: Early warning of the dashboard speaker.
4. Tactile warning message: Seat belts are tightened.


## Turn On or Off on the Central Control Screen



- After the vehicle is Ready, FCM is turned on by default. Turn it on/off through " 🚗 → XPILOT → Forward Collision Mitigation" switch on the central control screen.
- After closing, both FCM and AEB will be turned off at the same time.

 Warning

- Before using FCM function, you should refer to this chapter for the relevant function usage guidelines and restrictions.
- FCM is an auxiliary function that cannot work in all driving situations, traffic, weather, and road conditions, and it cannot replace focused driving and accurate judgment. Observe the road conditions while driving, and do not rely on FCM to warn or avoid possible collisions. Many factors can reduce or affect performance, resulting in unnecessary, invalid or inaccurate warnings, brake interventions, or omissions. Relying on FCM to warn and avoid potential collisions may cause serious personal injury or death.

 Warning

- The monitoring range of cameras and radar sensors associated with FCM is limited. Road conditions and weather conditions may adversely affect the area that can be monitored by FCM, so drive with caution.
- AEB is not designed to prevent collision. It can only try to reduce the driving speed to minimize the impact of frontal collision. Relying on AEB to avoid collision may cause serious personal injury or death.
- When the vehicle issues visual, audible or tactile warnings, it is your responsibility to take immediate measures to prevent the vehicle from falling into further danger. Do not rely on the intervention of AEB.

### Warning

- FCM may issue warnings or take braking without the risk of collision. Stay focused and always pay attention to the area in front of the vehicle to predict whether any measures need to be taken.
- It is strongly recommended not to turn off FCM function. If it is turned off, the vehicle will not be able to warn or assist in braking when it is determined that a collision is likely to occur.
- FCM is only applicable to the prevention of frontal collision, and the vehicle will not work when it is in reverse gear.
- If traffic conditions or external influences prevent the camera and radar from correctly detecting pedestrians, cyclists, vehicles or other objects, warnings and braking interventions may be delayed or not implemented at all.

### Warning

- FCM function can only work when the travel speed is between 4km/h and 150km/h.
- In the process of AEB intervening in vehicle braking, the driver stepping on the accelerator pedal may cause AEB to be interrupted.

### Limits and Errors:

FCM does not always detect all kinds of vehicles, cyclists, pedestrians or other objects. A variety of reasons can cause unnecessary, untimely or invalid warnings or missing warnings, such as:

- The vehicle is driving on a relatively large curved road surface or the road is in poor condition.

- Suddenly another vehicle moves fast or close to the front of the vehicle, and FCM cannot issue warning/braking in time.
- Dark (poor lighting conditions) or poor visibility (due to heavy rain, heavy snow, dense fog, etc.).
- When strong light (such as oncoming headlights or direct sunlight) obstructs the camera view.
- The windshield blocks the camera view (water mist, dust, or paper blocking, etc.).
- Radar limitation (radar limitation conditions [Refer to page 126](#)).
- Camera limitation (Camera limitation conditions [Refer to page 129](#)).
- When the vehicle is faster than a certain speed, AEB cannot completely avoid collision when a pedestrian is found.
- AEB is not effective for antidromic vehicles.

All the above warnings and restrictions do not describe all situations that may prevent the normal operation of FCM function. These functions may also fail to bring the expected effect for many other reasons. It is the driver's responsibility to remain alert and pay attention to the area next to the vehicle in order to predict whether measures need to be taken as early as possible to avoid collision.

When FCM function fails, the dashboard will light up the intelligent system light, please contact local authorized service center.

### Lane Departure Warning(LDW)

LDW is designed to help drivers reduce the risk of accidental vehicle departure from lanes on highways, expressways, and similar trunk roads. LDW will warn drivers through visual, auditory, and tactile methods.

When the vehicle speed is greater than or equal to 60km/h and the road marking is clearly and visible, LDW function is activated.

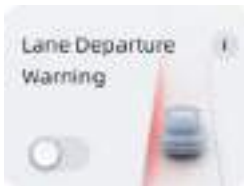
When the turn signal indicator is on or the driver has a clear steering intention (such as turning the steering wheel quickly, braking, deeply step on the accelerating pedal, turning on the hazard warning lights, etc.), LDW will not issue a warning.

### Warning Message:



1. Visual warning message.
2. Audible warning message: buzzer warning.
3. Tactile warning message: seat belt vibration.

## Turn On or Off on the Central Control Screen



- After the vehicle is Ready, LDW switch state defaults to the last operating state. Turn it on / off through " 🚗 → XPILOT → Lane Departure Warning" switch on the central control screen.
- If LDW function fails and LDW switch is grayed out and cannot be operated, please contact local authorized service center.

### ⚠ Warning

- LDW is only a driving assistance function and cannot replace direct visual inspection. Do not rely on the LDW function to remind yourself to accidentally drive out of the lane boundary. LDW cannot be effective in all driving situations or traffic, weather and road conditions.
- It is your responsibility to remain vigilant, pay attention to the driving lane, and always pay attention to other road users, otherwise may result serious injury or death.
- LDW can only issue warning messages for lane departures, and cannot implement steering interventions on vehicles.

### Warning

- You should always bear the ultimate responsibility for ensuring the safe driving of vehicles, and comply with applicable laws and road traffic rules.

### Limits and Errors:

LDW cannot clearly detect lane lines at all times. You may receive useless or invalid warnings in the following situations:

- The road is narrow or winding.
- Darkness (poor lighting conditions) or poor visibility (due to heavy rain, heavy snow, dense fog, etc.).
- When strong light (such as oncoming headlights or direct sunlight) obstructs the camera view.
- The vehicle in front blocked the camera view.
- The windshield blocks the camera view (water mist, dust, or paper blocking, etc.).
- Excessive wear of lane lines, overlapping of old and new line markings, due to temporary adjustments or rapid changes due to road construction (for example, lane bifurcations, crossings or mergers).
- Objects or landscape features are projected onto the driveway to form large shadow.



In the following cases, LDW may miss warnings or issue false warnings:

- Camera is limited ( Camera limited conditions [Refer to page 129](#) ) .
- Weather conditions (heavy rain, snow, fog, extremely hot or extremely cold temperatures) interfere with the camera's operation.

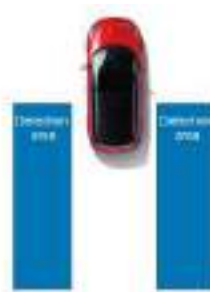
The above warnings and restrictions do not describe all situations that may interfere with LDW. There are many factors that can cause LDW malfunction. To avoid collisions, you need to be vigilant when driving the vehicle and always pay attention to the road conditions to predict whether corrective measures need to be taken as soon as possible.

### Blindspot Safety Assistance

Blindspot safety assistance includes two active safety assistance functions: blind spot security (BSS) and lane change assistance (LCA), which are designed to give warnings to drivers, vehicles behind and on the side of the vehicle, so as to provide multi-lane traffic auxiliary at the same direction.

BSS provides warning of vehicles in blind spots, and LCA provides warning of vehicles approaching quickly on the left and right lanes of the closest vehicle.

### Detection Area



### Warning Message



When the blindspot safety assistance is in the warning state, the driver should avoid changing lanes. If the driver turns on the turn signal indicator on the warning side at this time, the blind spot warning lamp on the side rearview mirror will flash for the warning prompt.

### Turn On or Off on the Central Control Screen



- After the vehicle is Ready, the state of blindspot safety assistance switch defaults to the state of the last operation. Turn on/off through clicking " 🚗 → XPILOT → Blind Spot Security" switch on the central control screen.
- If blindspot safety assistance function fails, the switch is grayed out and cannot be operated, please contact local authorized service center.

 Warning

- In the case of sharp turns, blindspot safety assistance does not work.
- Blindspot safety assistance does not work when reversing.
- Blindspot safety assistance is a driving assistance function and does not work in all situations.
- Blindspot safety assistance cannot replace safe driving and the use of interior and exterior mirrors.
- The use of blindspot safety assistance does not mean that the driver can do nothing and relax. It is always the driver's responsibility to change lanes in a safe manner.

**Limits and Errors:**

Blindspot safety assistance does not always work in all situations. A variety of reasons can cause unnecessary, untimely or invalid warnings or missings warnings, such as:

- Radar limited (Radar limited conditions [Refer to page 126](#)).
- There are large moving metal objects in the blind spot.

The above warnings and restrictions do not describe all situations that may interfere with blindspot safety assistance. There are a variety of factors that can lead to the failure of blindspot safety assistance. To avoid collisions, drivers must be vigilant when driving vehicles and always pay attention to road conditions to change lanes under safe conditions.

### Speed Limit Assist (SLA)

After SLA is turned on, the dashboard will display a speed limit determined by the data of map or camera. When the limit is exceeded, the speed limit icon will flash slightly to remind the driver to maintain the correct speed.

When SLA cannot determine the speed limit of the road (for example, there is no speed limit sign and vehicle positioning information in the current position or the camera does not recognize the speed limit sign), the dashboard will not display the speed limit sign and will not give an overspeed reminder.

### Speed Limit Information Prompt (Overspeed Reminder Information)



- When SLA determines the speed limit of the road, the dashboard will display the speed limit value prompt.
- When the vehicle speed exceeds the speed limit value, the speed limit value on the dashboard will flash to remind the driver that the speed has been exceeded.

### Turn On or Off on the Central Control Screen



- After the vehicle is Ready, SLA switch defaults to the last operating state. Turn it on/off through " 🚗 → XPILOT → Speed Limit Assist" switch on the central control screen.
- If SLA function fails, SLA switch is grayed out and cannot be operated, please contact local authorized service center.

#### Warning

- Do not rely on SLA to determine the appropriate speed limit or driving speed. You should always drive within a safe speed range according to traffic and road conditions.
- TSR only displays speed limits, and it cannot actively intervene to adjust the vehicle speed. You need to adjust the speed of the vehicle according to the road speed limit requirements.
- Map data and camera recognition of speed limit signs are not always accurate. The system may misjudge the road condition and provide a speed limit that happens to be different on adjacent roads or the camera will incorrectly recognize the speed limit sign and display it on the dashboard.

## Limits and Errors:

SLA may not be fully functional or may provide inaccurate information under these circumstances:

- Camera limited (Camera limited conditions [Refer to page 129](#)).
- Recent changes to road or speed limits, such as construction, traffic control, etc.
- The speed limit sign is in bad condition: damaged, faded, blurred or not placed or set as required.

The above warnings and restrictions do not express all the conditions that may affect TSR. There are many factors that can cause traffic sign recognition to fail to provide information or provide incorrect information. Drivers should always pay attention to road conditions.

## Rear Cross Traffic Alert (RCTA)

RCTA is an assisted driving function that is used to warn the driver of incoming cars on both sides when reversing.

### Detection Range



RCTA is a supplement to blindspot safety assistance, mainly used to detect vehicles. Under favorable conditions, smaller objects, such as cyclists, can also be detected.

## Warning Message



RCTA is only activated when the vehicle is reversing. If the vehicle perceives that an object is approaching on the rear side of the vehicle, it will act as same as blindspot safety assistance, the blind spot warning light on the exterior rearview mirror corresponding to the warning side will flash, and the central control screen will emit an early warning sound.

## Turn On/Off on the Central Control Screen



- After the vehicle is Ready, RCTA switch defaults to the last operating state. Turn it on/off through " 🚗 → XPILOT → Rear Cross Traffic Alert" switch on the central control screen.
- If RCTA function fails, RCTA switch is grayed and cannot be operated, please contact local authorized service center.



**Warning**

- RCTA is a driving assistance function and does not work in all situations.
- RCTA cannot replace safe driving and the use of interior and exterior mirrors.
- Using RCTA does not mean that the driver can do nothing and relax. It is always the driver's responsibility to reverse the car in a safe manner.

The above warnings and restrictions do not describe all the situations that may interfere with RCTA. There are many factors that can cause RCTA malfunction. To avoid collisions, the driver needs to be vigilant when driving the vehicle and always pay attention to the road conditions in order to reverse the car under safe conditions.

**Limits and Errors:**

RCTA does not always work in various situations, and various reasons may cause unnecessary, untimely or invalid warnings or missing warnings, such as:

- Radar limited (Radar limited conditions [Refer to page 126](#)).
- In the blind spot, there are large moving metal objects.
- Detecting objects move too fast.

### Door Open Warning

When the vehicle is stationary, the door open warning function can detect targets such as vehicles, cyclists, or pedestrians approaching the vehicle from the rear by the side and rear sensors. When the door open warning function detects that a target is approaching and the driver or passenger opens the door, a warning will be issued to remind the driver or passengers to avoid the danger of scratching with the target when opening the door.

### Detection Area



## Warning Message



When there is a target approaching the stationary vehicle, the door open warning function will light up the warning indicator. At this time, the driver or passenger should avoid opening the door, and firstly, confirm that it is safe to open the door. If the driver or passenger opens the door on the alarm side at this time, the warning indicator will flash, accompanied by a warning sound, to remind

the driver or passenger to pay attention to open the door safely.

## Turn On/Off on the Central Control Screen



- After the vehicle is Ready, the door open warning switch defaults to the last operating state. Turn it on/off through " 🚗 → XPILOT → Door Open Warning" switch on the central control screen.
- If the door open warning function fails, the switch is grayed and cannot be operated, please contact local authorized service center.

### Warning

- The door open warning function is effective only when the vehicle is stationary, and it will not work when the vehicle is moving.
- Even when the vehicle is stationary, the door open warning function will not work in all situations, and it cannot replace the visual observation of the driver and passengers, as well as the function of the interior and exterior rearview mirrors. Please do not rely too much on the door open warning function.

### Warning

- The door open warning function is designed to remind the driver and passengers to pay attention to the environmental safety of the door when opening the door. It is limited by the performance of the sensor and the complexity of the traffic environment. It is possible to issue unnecessary or no alarms. Actively observe the door opening environment is the most effective measure and responsibility for drivers and passengers to ensure personal safety.

### Limits and Errors

Door open warnings do not always work in various situations. Various reasons may lead to unnecessary, untimely, invalid warnings or missing warnings, such as:

- Radar limited (Radar limited conditions [Refer to page 126](#)).
- Smaller targets or static targets.
- The target speed is too fast, or there is a steering behavior, for example: the target vehicle changes lanes directly behind the vehicle, and other vehicles suddenly change lanes in the detection area directly behind the vehicle.
- Other vehicles and cyclists directly behind this vehicle.
- The vehicle stays at a corner or by a wall.

The above warnings and restrictions do not describe all situations that may interfere with door open warnings. There are many factors that can cause the failure of the door opening warning. To avoid the risk of scratching when opening the door, please remember to observe whether the door open environment is safe and suitable.

### Auto Park in

When driving, follow the steps below for auto park in and drive into the designated parking space:



1. Drive slowly at a speed of less than 24km/h and observe the dashboard until the dashboard displays a parking space icon.

### **i** Tips

- The parking icon will appear only when the parking space meeting the requirements has been found, and the location of the vehicle and the surrounding environment meet auto park in.



2. Stop the vehicle, keep the brake, check and confirm whether the parking space is suitable and safe. If suitable, shift to R gear, and the central control screen will display the automatic parking interface.
3. Click the "Start" button on the automatic parking interface, and the vehicle will start to park into the parking space. The driver must continue to observe the surrounding environment to ensure that the automatic parking process is safe.
4. After the parking is completed, the central control screen will display "Parking Complete" prompt.

### **i** Tips

- When the vehicle is in the process of automatic parking, if the brake pedal is stepped on, the automatic parking will be suspended. Click "Continue" button to resume parking.

Automatic parking supports vertical parking spaces and parallel parking spaces. If there is no parking lines for parking spaces, the left and right sides of the vertical parking spaces (parallel parking spaces are front and rear) require other vehicles or larger objects. If the parking space has a clear parking space line and good lighting conditions, no reference objects are required on both sides of the parking space, and the Automatic parking system can also complete the detection of the parking space.

### Cancel Parking

When the following conditions occur, the system will cancel parking:

- After parking starts, manually turn the steering wheel or step on the brake to change gear, and automatic parking will be cancelled.
- Before parking starts, click the exit button on the parking interface to cancel the parking.
- Parking is suspended for more than 30 seconds and did not resume.
- Door opening, stepping on the accelerator pedal, and stepping on the brake pedal cause automatic parking to be suspended more than 2 times.

#### Warning

- The performance of the automatic parking system depends on the ability of the ultrasonic sensors and the surround view camera to detect and recognize the environment.
- Automatic parking systems do not always detect objects in parking spaces and parking paths. Drivers must check the environment and ensure that the environment is suitable and safe.
- Although the automatic parking system has the ability to avoid obstacles and automatically pause, due to the limitations of the sensor, the driver needs to be ready to brake at any time to avoid vehicles, pedestrians and objects.



**Warning**

- Automatic parking in small venues limits the ability of sensors to accurately detect the location of obstacles, leading to an increased risk of damage to vehicles or surrounding objects.
- Obstacles (such as water pipes, fire hydrants, truck cargo boxes, etc.) above the height of the exterior mirrors of the vehicle body and the height of the exterior mirrors cannot be fully and effectively detected. Please pay attention to the environment during parking and confirm whether it is safe and suitable for parking.

**Limits and Errors**

The automatic parking system may not work as expected when:

- The road is a ramp.

- Darkness (poor lighting conditions) or poor visibility (due to heavy rain, heavy snow, dense fog, etc.).
- The material of the curb is not stone, or the curb cannot be detected. If the parking is improper, the tires and rims of the vehicle will be damaged by the curb.
- One or more ultrasonic sensors or 360° camera is dirty or obstructed (such as sludge or ice).
- Weather conditions (heavy rain, snow, fog, extremely hot or extremely cold temperatures) interfere with the sensor's operation.
- Radar limited (Radar limited condition [Refer to page 126](#)).
- Camera limited (Camera limited condition [Refer to page 129](#)).
- The road surface is uneven, or there are pits or bumps in the parking space.

- The system does not always recognize all parking spaces, for example: the parking space marking is blurred, damaged, chaotic, or covered.
- Automatic parking systems may incorrectly identify parking spaces, such as gaps between flower beds and trees, etc.
- There are disturbing lines near the parking spaces, such as traces of old parking spaces, tire marks, and no-stop marking lines that have not been completely removed.
- The sensor cannot recognize the road surface with height difference. Do not use the automatic parking system on the cliff side, high platform, street sidewalk and other places.
- The recognition capability and range of the sensor are limited. It cannot recognize suspended objects, or low objects (such as ground locks, limit bars, etc.), small volume, and small width obstacles. When there are similar objects in the parking environment, please be sure to observe and prepare to take over the vehicle at any time to avoid collision.
- The system may not recognize or support parking spaces in behind the wall or corners.
- There are hollow objects near the parking space or in the parking space (such as bicycle wheels, drains, etc.).
- Near the parking space, there are cylindrical, square or other shaped pillars.
- If snow chains or spare wheels are installed, do not use the automatic parking system.
- If the loaded object protrudes from the vehicle, do not use the automatic parking system.
- If any of the left and right exterior mirrors or 360° view cameras are damaged or in an abnormal position, do not use the automatic parking system.

- Parking spaces on narrow streets, or narrow parking spaces, are not always available because they may not have the necessary maneuvering space.
- The system cannot determine and exclude prohibited parking or authorized parking spaces.
- Please use approved tires with normal tire pressure to avoid the tire pressure warning system being in an alarm state and affecting the ability of the automatic parking system.
- Modifying the vehicle or repairing the vehicle in an unauthorized service center may affect the Automatic parking assistance, and it is easy to scratch/collide during the execution of the automatic parking.
- Many unforeseen circumstances can affect the ability of the automatic parking system to park a vehicle. Please keep this in mind and remember that the automatic


parking system may not be able to control the vehicle correctly. Pay attention when parking the vehicle, and be ready to take over vehicle control immediately at any time.

- Automatic parking system is only a driving assistance method, but not always a correct full-automatic function, and it cannot achieve full automatic driving ability. Therefore, the driver must maintain the focus on observation and judgment of the vehicle and the environment.

The above examples, warnings, and restrictions do not describe all the conditions that affect the normal operation of automatic parking. The driver must maintain focus when using Automatic parking and its related functions, and always take full responsibility for safe parking.

### Auto Park Out



After the Auto park in is completed, as long as the vehicle has not been moved, the Intelligent Parking Out Assist can be used after restarting the vehicle. At this time, the Intelligent Parking Out Assist can be activated by engaging the R gear or clicking the  button below the central control screen.

1. Observe whether the area in front of the vehicle is suitable and safe.



2. After confirming safety, keep stepping on the brake pedal, engage R gear, and click the "Start" button on the automatic parking assist interface.

3. The vehicle will start to park out, and the driver must continue to observe the surrounding environment to ensure that the Automatic parking process is safe.



4. After the parking out is completed, the central control screen will display the prompt "Parking out completed".

### Tips

- While the vehicle is parking out, if the brake pedal or accelerator pedal is stepped on or door is opened, parking out will be suspended. Click the "Continue" button to resume parking out.


The cancellation operation, warnings and restrictions of auto park out also apply to auto park out, please refer to the warnings and restrictions of auto park in [Refer to page 160](#).

## Super Auto Park

Super Auto Park is an enhanced Auto park in system. In the super auto Park, the identified parking spaces will become visible in real time, and unparkable parking spaces will also be displayed in a special form. The parking spaces that pass within a certain range will be remembered and displayed on the central control screen, the driver can choose any one to park in.

In the Super auto parking mode, the interface of the parking system will remain permanent unless the driver actively turns it off.

When approaching a frequently used parking space, follow the steps below for Super auto parking and drive the vehicle into a common used parking space:

1. Regardless of whether the vehicle is moving or stationary, click the  button at the bottom of the central control screen to enter the Super auto parking
2. When the parking system detects a parking space, the driver can select the destination parking space and click "Start" to park after stopping the vehicle safely.



The warnings and restrictions of auto parking also apply to Super auto parking, please refer to the warnings and restrictions of automatic parking assist [Refer to page 160](#).



## Adaptive Cruise Control (ACC)

ACC is a comfortable driving assist function. If the front of the vehicle is clear, ACC will keep driving at the set maximum cruising speed. If a vehicle in front is detected, ACC will reduce the speed of the vehicle as needed and keep a distance based on the selected time from the preceding vehicle until it reaches a suitable cruising speed.

When ACC is activated, the driver still needs to observe the road ahead and apply braking if necessary.

ACC is mainly used for driving on dry straight roads such as highways. ACC should not be used on urban streets.


### Operation of Adaptive Cruise Control (ACC)

After the vehicle is Ready, unless the vehicle in front is detected, ACC must be used when the speed of the vehicle is higher than 15km/h. If a vehicle in front is detected, ACC can be

started at any speed, even in stationary, but the distance to the vehicle in front is at least 2 meters.

The minimum set speed is 30km/h, and the maximum set speed is 120 km/h. It is the driver's responsibility to set a safe speed cruise based on road conditions and speed limits.



- When the dashboard displays a gray indicator light , it means that ACC can be used, but it has not been activated.



- In this state, you can activate ACC function by turning the cruise control once in the ② direction.
- After successfully activated ACC function, the indicator light on the dashboard will turn blue ④ .

After ACC function is activated, the system will assist the driver to control the speed of the vehicle. When no vehicle in front is detected, ACC will keep driving at the set speed. If it detects that there is a vehicle ahead, ACC will increase or decrease the speed of the vehicle as needed, and follow the front vehicle with the distance you choose under the set speed.

ACC will also properly adjust the speed when entering and exiting a curve road.

When driving at the set speed in ACC state, you can accelerate at any time. When you release the accelerator pedal, the vehicle will return to the set speed.

When following a car, ACC will remain available when driving at a low speed. When front vehicle stops, ACC will control the vehicle to stop. When the vehicle runs again, ACC will resume working at the currently set speed.

In the following cases, ACC will enter the hold state without restoration, and the dashboard will display a prompt message to remind you

that you need to restore cruise control:

- The stop time reaches 90 seconds.
- The ultrasonic sensor detects a near obstacle or pedestrian in front of the vehicle.
- The vehicle suddenly cannot detect the preceding vehicle being followed.

To restore ACC, step on the accelerator pedal or slide the cruise control handle towards you.



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- When driving at the set speed, turn the cruise control handle in ④ or ⑤ direction, then release it, so as to adjust the set cruise speed.
- When Adaptive Cruise Control(ACC) actively reduces the vehicle speed to keep a selected distance from the front vehicle, the brake light will light up to remind other road users that you are slowing down. But, when Adaptive Cruise Control(ACC) is controlling the vehicle to accelerate, the accelerator pedal will not move.

### The driver needs to respond to the request to take over the vehicle in time

When Adaptive Cruise Control(ACC) requires the driver to take over the vehicle, it will prompt the driver to take over the vehicle through the LCD screen of the instrument, and the warning sound of taking over the vehicle will be given at the same time. When the LCD screen of the instrument displays the words "take over immediately", the driver should take over the vehicle immediately, control the speed of the vehicle and avoid danger.

#### Caution

- If the driver has discovered the danger, don't wait for the takeover request, please take over the vehicle immediately..

### Adjust the Front Vehicle Following Distance



- To adjust the distance you wish to maintain with the vehicle in front, turn the cruise control handle ① and select a setting from the settings. Each setting corresponds to a time-based distance, where the time-based distance represents the time required for the vehicle to reach the tail of the front vehicle from the current position.

- The system will memorize the driver's following distance setting. Each time the vehicle is Ready again, the default setting is the last following distance.



- When turning the cruise control handle, the dashboard displays the current setting.

## Adjust the Maximum Cruising Speed



To change the set speed when using ACC, move the cruise control lever in the direction of ④ (upward acceleration) or ⑤ (downward deceleration) until the desired set speed is displayed then release.

- Quickly toggle the handle up/down once and then release, you can accelerate/ decelerate once.

- Continue to hold the handle fully up/down to perform continuous acceleration/deceleration.
- While stepping on the accelerator pedal, you can also update the maximum cruise speed by turning the cruise control handle along ④ direction.

### ⚠ Caution

- If the vehicle does not detect that there is a vehicle running at a speed lower than the set speed, it may take several seconds to reach a new cruising speed.

## Cancel and Resume Adaptive Cruise (ACC)



- To cancel ACC manually, briefly push the cruise control handle along ③ direction or step on the brake pedal. The speedometer icon on the dashboard turns gray or disappears, indicating that ACC is not controlling the speed.



- To restore the cruise control to the previously set vehicle speed, toggle the cruise control handle along ④ or ⑤ and release.




- To resume cruising at the current driving speed, turn the cruise control handle once in direction ② .


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**⚠ Caution**

- When ACC is cancelled, the energy regeneration brake will slow down the vehicle. The deceleration method is the same as releasing the accelerator pedal to reduce the vehicle speed without ACC.

 Warning

- ACC is an assisted driving function and cannot cope with all traffic, weather and road conditions.
- Please read all the chapters about ACC in this manual to understand the limitations of this function. The driver should master these limitations before using the function.
- Adaptive Cruise Control(ACC) is designed for driving comfort and convenience. It is not a collision warning or avoidance system. Drivers must keep continuous control over the vehicle and always take full responsibility for the driving safety of the vehicle. It is the responsibility of the driver to remain vigilant at all times, drive safely, and control the vehicle. Never rely on system to reduce vehicle speed sufficiently.

 Warning

- Be sure to observe the road ahead and be prepared to take corrective measures at any time. Otherwise, serious injury or death may result.
- Although ACC can detect cyclists, do not excessively rely on it to reduce the speed accordingly. Be sure to observe the road ahead and be prepared to take corrective measures at any time. Otherwise, serious injury or death may result.
- Do not use ACC on a tortuous road with sharp bends, or on icy or slippery roads, or when weather conditions (such as heavy rain, heavy snow, thick fog, etc.) are not suitable for driving at a constant speed. ACC system cannot adjust the driving speed based on road conditions and driving conditions.



 Warning

- Suddenly there is another vehicle moving fast or close to the front of the vehicle, ACC cannot brake/decelerate in time.
- ACC cannot decelerate when stepping on the accelerator pedal.
- ACC occasionally causes the vehicle to brake even when braking is not needed or when you do not intend to brake. This may be caused by following the car in front and detecting the presence of vehicles or objects in the adjacent lane (especially on a curve).
- You are responsible for determining and always keeping a safe vehicle following distance. Never rely on ACC to maintain an accurate or appropriate distance to follow the front vehicle.
- Do not use ACC on the city's roads or complicated condition road.

 Warning

- There are sections such as walls, barriers, guardrails, bridge piers, tunnels, etc. The sensors may be interfered to cause ACC abnormal work. Drivers need to keep driving on these sections or similar sections and take over vehicles in time when ACC works abnormally.
- For stationary vehicles or objects, especially when the vehicle in front leaves your driving lane, ACC cannot detect all objects and may not be able to brake/decelerate. Be sure to pay attention to the road ahead and prepare to take corrective measures quickly. Excessive reliance on ACC can cause serious personal injury or death. In addition, ACC may react to vehicles or objects that do not exist or are not in the driving lane, causing unnecessary or improper vehicle deceleration.

### Warning

- Never rely on ACC to reduce vehicle speed sufficiently to avoid collisions. Be sure to observe the road ahead and be prepared to take corrective measures immediately.
- ACC may not be able to provide adequate speed control due to limited braking capacity or on slopes. It may also misjudge the distance to the front vehicle. Driving downhill will increase the driving speed, which will cause the vehicle to exceed the set speed (which may also be the road speed limit). Never rely on ACC to slow down the vehicle sufficiently to avoid collisions. Be sure to observe the road conditions while driving, and be prepared to take correct measures as needed. Relying on ACC to slow down the vehicle sufficiently to avoid collisions may result in serious personal injury or death.

### Limits of Use

In the following cases, ACC may be cancelled or unavailable:

1. Step on the brake pedal.
2. The driving speed exceeds 120 km/h or is less than 30 without the vehicle ahead.
3. Shift the vehicle into another gear.
4. There are doors open.
5. The front hatch is open.
6. The radar is blocked. The block may be caused by mud, ice, snow, etc.
7. The camera is blocked or blinded. Blocking caused by mud, water stains, snow, ice, etc., or blindness caused by light, darkness, etc.
8. The Anti-lock Braking System (ABS) is activated.
9. Pull up the Electronic Parking Braking (EPB).
10. The Traction Control System (TCS) is activated.

11. Automatic Emergency Braking assist (AEB) is activated.
12. The airbag pops out.
13. The tire pressure value is abnormal.
14. The hill descent control function is enabled.
15. The system fails or needs repair.

When ACC cannot be used or canceled, the vehicle no longer runs at the set speed stably and no longer maintains the prescribed distance from the vehicle in front.

- It may be canceled unexpectedly at any time for unknown reasons. It is important to observe the road ahead and be prepared to take appropriate measures. The driver is responsible for controlling the vehicle always.

The use of ACC is particularly inappropriate in the following situations:

- There are sharp turns or poor road conditions, such as wet or icy roads.
- ACC cannot detect pedestrians.

- ACC cannot detect vehicles or objects on the other side of the ramp.
- The vehicle in front is equipped with objects that protrude beyond its body.
- Road sections under construction or roads under accidents.
- ACC cannot identify vehicles traveling in the opposite direction.
- Radar limited (Radar limited conditions [Refer to page 126](#)).
- The radar is blocked (dust, cover, etc.) or the weather conditions are poor (such as heavy rain, heavy snow, dense fog).

The above examples, warnings, and restrictions do not describe all the conditions that affect the normal operation of ACC.

### Lane Centering Control (LCC)



LCC is a comfortable driving assist function.

LCC can be used only after the vehicle has activated ACC function. After activating LCC, the system can assist the driver to control the steering wheel and continuously center the vehicle in the current lane.

LCC is suitable for dry road conditions with clear lane lines on highways. Do not use it on city roads. When it is activated, the driver must always hold the steering wheel and take over the steering wheel when necessary.

### Lane Centering Control (LCC) Operations:



- When the dashboard displays a gray indicator light  or a blue indicator light  on the left side of the driving speed, it means that Lane Centering Control(LCC) can be used, but it has not been activated.



- After the instrument displays the icon of Adaptive Cruise Control(ACC), press ② continuously for two times, and the function of Lane Centering Control (LCC) will enter the standby state. At this time, the instrument will display the standby state of Lane Centering Control 📶 , and when the vehicle is in a lane with clear lane lines, it will enter the activated state. The instrument will display 🚗 with vehicle in the activated state.

At this time, LCC will assist the driver to control the steering wheel, and the vehicle speed is still assisted by ACC.

### Turn On/Off on the Central Control Screen



- After the vehicle is ready, LCC switch defaults to the last operating state. After the vehicle is shifted in P gear, click " 🚗 → XPILOT → Lane Centering Control" switch on the central control screen to turn on/off.

### You Need to Respond to the Request to Take Over the Steering Wheel In Time

When LCC detects that you are not holding the steering wheel, it will send you a takeover request "Please hold the steering wheel" prompt on the dashboard, and a warning sound of the takeover prompt will also be issued.

When the dashboard LCD display the request "Please hold the steering wheel", the driver should immediately hold the steering wheel and take over the steering wheel if necessary to avoid danger. When LCC system detects that the driver is holding the steering wheel, it will stop issuing the takeover prompt. If the driver ignores the takeover prompt and fails to take over the steering wheel in time, it will cause LCC to quit and cannot be used again during this driving cycle. LCC can only be used again, after the vehicle is ready again.

#### Caution


- If the driver has discovered the danger, don't wait for the takeover request, please take over the vehicle immediately.

#### Warning

- Please read all the chapters about LCC in this manual to understand the limits of this function, and the driver should master these limitations before using the function.
- Do not use LCC when the vehicle is in poor condition, such as abnormal four-wheel alignment and abnormal tire pressure.

 Warning

- Lane Centering Control (LCC) is a driving auxiliary function, which is not automatic driving in the full sense. When Lane Centering Control (LCC) is activated, the driver must always hold the steering wheel so as to control the vehicle in time when there is potential danger, and the driver must keep continuous control over the vehicle and always take full responsibility for the driving safety of the vehicle.
- LCC cannot cope with all traffic, weather, and road conditions. Do not use LCC in bad weather (such as rain, snow, or fog). At the same time, do not use LCC on roads where pedestrians or cyclists may appear.

 Warning

- LCC is designed for driving comfort and convenience, and cannot cope with sudden dangerous situations. It is the responsibility of the driver to remain vigilant at all times, drive safely, and control the vehicle. Never rely on the system to respond to sudden emergencies. Be sure to observe the road ahead and be prepared to take corrective measures at any time. Otherwise, serious injury or death may result.
- Do not use LCC in the city roads or road conditions changing frequently.

### Warning

- Please use LCC with caution in heavy traffic roads. The behavior of other vehicles (such as: other vehicles jamming in front of or passing in front of the vehicle, the vehicle in front of the vehicle leaving the lane, etc.) may cause LCC to be disturbed and cause the wrong steering which may result in scratching or colliding with other vehicles, It is the responsibility of the driver to intervene in time and avoid collision with other vehicles.
- LCC occasionally assists vehicle steering when assisted steering is not needed or you do not intend to steer. This may be caused by the unclear or irregular lane line, or other lines or objects similar to the lane line on the surface of the lane. At this time, the driver should take over the vehicle in time.


### Warning

- When LCC cannot be used or canceled, the system will not be able to assist the driver to center the vehicle in the current lane.
- LCC may not work properly at traffic intersections, and unexpected steering control may be performed to cause unexpected dangers, such as: scratching or even collision with other vehicles at the intersection. Therefore, do not use LCC at traffic intersections.
- The direction of the front lane line changes drastically, such as lanes merge, lane increase suddenly, lane width suddenly increase or decrease, LCC may fail, drivers need to take over the vehicle in advance when approaching these similar sections, do not rely on LCC to deal with these conditions.



 Warning

- Guardrails, isolation belts or curbs on the side of the road may interfere with the sensor and cause LCC abnormal operation. The driver should take over the vehicle in time.
- When driving through a curve, the driver must hold the steering wheel and take over the vehicle in time when the LCC fails.
- When the lane line is blurred, disappeared or covered, the vehicle in front is turning or there is a vehicle passing in front of the vehicle, which may cause LCC to turn abnormally.
- When the lane line disappears or is disconnected, the driver should take over the vehicle in time to avoid the unexpected danger caused by LCC failure or abnormality at this time.

 Warning

- Do not use LCC at the junction or divergence of roads.
- Failure to focus on driving for a long time may cause LCC to quit.
- A vehicle quickly changes lanes in front of the vehicle at close range in a sudden, which may cause LCC to work abnormally. At this time, the driver needs to take over the vehicle in time.
- LCC may quit unexpectedly at any time for unknown reasons. It is important to observe the road ahead and be prepared to take appropriate measures. The driver is responsible for controlling the vehicle always.
- Do not use LCC on winding roads with sharp bends, bumps, icing, or slippery roads. The LCC system cannot steadily perform steering wheel auxiliary control under these poor road conditions.

### Limits of Use

Under the following circumstances, LCC may be cancelled or unavailable:

1. ACC exits or cannot be activated [Refer to page 169](#).
2. Step on the brake pedal.
3. Manually control the steering wheel.
4. The driving speed exceeds the maximum cruising speed of 120 km/h.
5. The lane conditions are not met.
6. Shift the vehicle into another gear.
7. The driver's seat belt is unfastened.
8. The emergency flashers turned on.
9. There are doors open.
10. The radar is blocked. The occlusion may be caused by mud, ice, snow, etc.
11. The camera is blocked or blinded. Blocking caused by mud, water stains, snow, ice, etc., or blindness caused by light, darkness, etc.

12. Alarm from tire pressure detection system.
13. The hill descent control function is enabled.
14. The wiper is in LO or HI position.
15. The system fails or needs repair.
16. The road level is not satisfied.
17. Steering lamp is on.
18. Hazard warning lamp is on.
19. The speed on ordinary roads < 60.

LCC should not be used in the following situations:

- The road has sharp turns, spliced roads, or poor road conditions, such as bumpy roads, slippery, stagnant water, or icing.
- On sloping roads, or uphill and downhill sections.
- The driveway is too wide or too narrow.
- Roads that pedestrian or cyclist may appear.
- Darkness (poor lighting conditions) or poor visibility (due to heavy rain, heavy snow,

- dense fog, etc.).
  - When strong light (such as oncoming headlights or direct sunlight) obstructs the camera's field of view.
  - The vehicle in front obstructs the view of the camera or blocks the lane line.
  - The windshield blocks the camera's field of view (water mist, dust, or sticker blocking, etc.).
  - The lane line is excessively worn or blocked, covered, or disappears, and the old and new markings overlap, due to temporary adjustments of road construction or rapid changes (for example, lane bifurcation, crossing, or merging).
  - Objects or landscape features are projected onto the driveway to form shadows.
  - There are words or traffic signs on the road surface.
  - Section with diversion lines.
  - Warning cones, warning signs or other objects are placed on the road surface.
  - There are large vehicles such as trucks and buses on the side or in front.
  - It is forbidden to use LCC in construction sections.
  - Radar limited (Radar limited conditions [Refer to page 126](#)).
  - Camera limited (Camera limited conditions [Refer to page 129](#)).
  - The radar or camera is blocked (dust, cover, etc.), or the weather conditions are poor (such as heavy rain, heavy snow, dense fog).
  - When there is a large lateral airflow or strong wind on the side of the vehicle, it will affect the performance of LCC. This weather is not suitable for the use of LCC.
- The above examples, warnings, and restrictions do not describe all the conditions that affect the normal operation of LCC.

### Driving Assist Simulation Display



The driving assist simulation display system is a part of the assistant driving system, and displays the external environment detected by the vehicle in real time on the dashboard, including lane lines and other traffic participants.

### Limits and Errors

Neither the driving assist simulation display system can always detect various objects, vehicles, cyclists, or pedestrians, nor can it accurately display all the conditions of the surrounding environment. There is also the possibility of display errors, such as:

- The vehicle is driving on a large curved road surface or the road is in poor condition.
- The windshield blocks the camera view (water mist, dust, or paper blocking, etc.).
- Camera limited (Camera limited conditions [Refer to page 129](#)).
- Simulate the display of objects of a certain type as objects of another type.
- Simulate and display an object in the wrong direction and distance.

 **Warning**

- The assistant driving simulation display system is an auxiliary function that cannot work in all driving situations, traffic, weather and road conditions, cannot replace focused driving and accurate judgment, nor can it replace the driver's observation of the road environment and other traffic participants . Please observe the road conditions while driving, only relying on the assistant driving simulation display system may cause serious personal injury or death.
- The monitoring range of cameras and sensors associated with the assistant driving simulation display system is limited. Road conditions and weather conditions may cause adverse effects. Drive carefully.

All the warnings and restrictions mentioned above do not describe all situations that may prevent the normal operation of the assistant driving simulation display system. These functions may not be able to bring the expected effect for many other reasons. It is the responsibility of the driver to stay alert and pay attention to the area next to the vehicle in order to ensure driving safety.



## Interface Introduction



## ① Map

- Click to enter the map and navigation application.
- Provide you with:
  - ▶ Intelligent route planning and precise navigation (navigation / path finding / Route radar...).
  - ▶ Intimate congestion care and charging station care.
  - ▶ Enter the destination on the keyboard for navigation, or wake up voice function to plan your trip.
  - ▶ Before getting on the car, you can send the destination to your car in advance through Xpeng motor App/WeChat/ Amap App.
  - ▶ More scenario-based travel experience (continuous upgrade).

② Music [Refer to page 193](#)

- Click to enter the Bluetooth music interface.

- Listen to various styles of music through Bluetooth connection devices and online music websites.
- ③ Radio
  - Click to enter the Radio interface.
- ④ Bluetooth Phone
  - Click to enter the Bluetooth Phone interface.
  - Follow the interface prompts to synchronize the connection, call history, and address book. After successfully synchronized, you can use all the functions of the car Bluetooth phone.
- ⑤ System settings [Refer to page 194](#)
  - Click to enter the system settings interface.
  - You can set and adjust the display, sound, network, upgrade, etc. in the settings.
- ⑥ Application List
  - Click to enter the interface of application list.
- The application list interface displays the official Xpeng applications available in the system.
- ⑦ Vehicle control [Refer to page 197](#)
  - Click to enter the vehicle control function.
- ⑧ Intelligent Parking Assist
  - Click to enter the Intelligent Parking Assist interface.
- ⑨ A/C control [Refer to page 80](#)
  - Click to enter A/C control interface.
- ⑩ Front defrosting and defogging
  - Click to turn on or off the front window defrosting and demisting function.
- ⑪ Rear defrosting and defogging
  - Click to turn on or off the rear window defrosting and demisting function.



### Bluetooth Music



- 1 Bluetooth connection portal
  - After the Bluetooth device is successfully connected, the name of the Bluetooth device will be displayed.
- 2 Sound effect setting portal
- 3 Song name and artist information
  - When Bluetooth is not connected, it will be displayed as a Bluetooth connection portal.
- 4 Music control
  - The buttons from left to right are Previous, Play/Pause, and Next.
- 5 Online music website portal

### System Settings



#### 1 Bluetooth connection settings

After Bluetooth is turned on, the system will automatically search for nearby Bluetooth devices, and the devices have been found will be displayed under the lists of "My Devices" and "New Device Available".

After selecting the phone Bluetooth in the device list for pairing, confirm the pairing request on the phone to complete the Bluetooth connection.

After the Bluetooth connection between the car and the phone is established, the phone and audio channels are automatically established. When you see "Bluetooth Music" and "Bluetooth Phone" turn blue on the Bluetooth page, it means that you can make calls and play Bluetooth music by vehicle system.

- Bluetooth Switch: Click to turn on/off.

- Bluetooth device list: The Bluetooth device list includes two lists of "my devices" and "new device available". "My devices" list displays the devices that have been connected or the devices that are being connected, "New device available" means nearby devices that can be connected, and new device connections can be established here.
- ② Wi-Fi settings
  - Turn on Wi-Fi switch, the system will automatically search for nearby Wi-Fi hotspots.
  - Click the searched Wi-Fi and enter the correct password to complete the Wi-Fi connection.
  - Ignore the network: Click on the Wi-Fi you have connected to, the system will pop up a prompt box, click "Ignore Network", the system will ignore this network, and will not automatically connect to this network next time.

### Caution

- Some applications will be automatically downloaded in the Wi-Fi network environment. When using a mobile phone as a hotspot, please pay attention to data consumption.

### ③ Sound Settings

- Sound effect setting: Click to enter the sound effect setting.
- Intelligent sound control: Only support the switch setting on the central control screen.

### 4 Screen Display Settings

- Brightness setting: The brightness adjustment is for the brightness of the central control screen and the instrument. It supports manual adjustment by dragging the brightness bar on the central control screen. When manually adjusting, the automatic adjustment will be temporarily closed.
- Theme setting: Theme setting supports setting day/night mode, after set automatic mode, day/night mode will switch intelligently according to the surrounding environment.
- Text size setting: The text size setting supports switching between larger and smaller modes.
- Time format setting: The time format supports setting of 24-hour and 12-hour.


### 5 Privacy Settings



- Switch of Maps Service: map function not available after turning off the switch.
- Switch of Voice Assist Service: voice function not available after turning off the switch.
- Privacy Policy.
- Reset to Defaults.

### Vehicle Settings



After the vehicle is powered on, click  to enter the "Vehicle Control" interface, and you can control the vehicle.

- 1 Quick Controls
  - Click to enter the "Quick Controls" interface to set up vehicle lights, mirrors, seats, and wipers. For detailed operations, [please refer to the description of each system.](#)
- 2 Driving Settings
  - Click to enter the "Driving" interface, you can set the driving mode, recuperation, and steering wheel boost. For detailed operations, [please refer to the description of each system.](#)
- 3 Vehicle Settings
  - Click to enter the "Vehicle Settings" interface, you can set the wiper INT control, lock, instrument & steering wheel control. For detailed operations, [please refer to the description of each system.](#)

### ④ XPILOT

- Click to enter the "XPILOT" interface, for detailed operations, [please refer to the description of each system.](#)

### ⑤ Vehicle Status

- Click to enter the "Status" interface to view TPMS and mileage and other status information.

### Phone App Download

You can obtain the Xpeng motors APP from the following channels:

1. iOS: Open App Store, search for "Xpeng Motors" to download and install.
2. Android: Open the application store, search for "Xpeng Motors" to download and install.

### Account Registration and Login



- When a new user registers, the system will automatically create a Xpeng account for his/her phone number. Use the phone verification code to quickly register or log in.

### Cancellation



- If you want to cancel your Xpeng account, you can go to the App "Set up--logout". After cancelling the account, we will stop providing you with products or services, and delete your personal information in accordance with legal requirements.

- If you want to modify the phone number bound to your Xpeng account, you can go to the App "Set up-Change phone number" to modify it.

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### APP's Car Control Function

The APP's vehicle control is remote 4G control. The software interface may be different for the iterative optimization of the version. The actual display of the device shall prevail.

### Remote Car Control

In the remote control mode, it supports real-time viewing of the current cruising range of the vehicle. The functions include but not are limited to: unlocking the door (the vehicle cannot be started), window ventilation, turning on and off air conditioner and adjusting the temperature, turning on or off air conditioner Cool Max mode, flashing lights and horn, etc.



- ① Vehicle status
- Door control: Click the Doors button to unlock/lock up the door.
- Window control: Click the Windows button to use one key ventilation function for ventilation inside and outside the car, or

## 7.Xpeng Motors APP

### ② Find my vehicle

The location of the vehicle can be confirmed by buzzing and flashing lights.

- Flash: After clicking the button, the vehicle flashes.
- Honk: After clicking the button, the vehicle horns.

### ③ Air conditioner control

In remote vehicle control, after clicking the Smart air conditioner button and turning on any mode, you can view the temperature in the car in real time or select other functions, including temperature adjustment, rapid heating, rapid cooling, etc.

- Click the button to Turn on/off air conditioner and adjust the temperature of air conditioner.
- Max Speed Mode: Including Heat Max and Cool Max, it helps you to turn on the maximum heating/maximum cooling mode of air conditioner with one button, making smart travel.



### ④ Range

- The current vehicle range is displayed in real time above the vehicle graph.
- If the vehicle is charging, the charging status will be displayed and the current range will be updated.

### 5 Vehicle switching

- When your account is bound to multiple vehicles at the same time, you can use the top switch button to conveniently view your vehicle equipment and set the vehicle for control.

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It is recommended that you pay attention to the condition of the vehicle regularly and keep it in its best condition.

### Power Battery Maintenance

Even if the vehicle is not being used, the power battery will slowly discharge. Low power of the battery will shorten its service life and weaken its performance, reducing the range of the vehicle. Therefore, when the vehicle has been parked for a long time, the power battery should be maintained at 30% to 60% of its total capacity. If it has been parked continuously for more than one month, it is suggested to charge and discharge the power battery every 1 month, otherwise its performance will be reduced due to power loss.

The service life of power battery is also affected by the ambient temperature. In a low ambient temperature, the range of the vehicle will decrease and the charging time required will increase.

#### Tips

- Recommended charging operation ambient temperature: 0 ~ 45 °C .When the operation ambient temperature is lower than 0 °C , the charging time required will increase.
- Long-term parking in a high temperature or severe cold environment will accelerate the power loss of the power battery.
- Prevent the vehicle from long-distance or long-time wading.
- Never discharge the power battery completely.

### Charging Dock Cleaning

In normal use situation, do the cleaning with a high-pressure air gun and brush every week. If not possible to perform it, it is allowed to clean the charging stock and charging gun with a piece of dust-free cloth or cotton swab. In case of unexpected conditions (such as charging port cover not fastened), the above methods should be performed for cleaning in a timely manner.

#### Warning

- It is strictly prohibited to use sharp objects such as screwdrivers and tweezers to touch the charging gun pins and the charging socket apertures to avoid damage to the pins and apertures.

### Tire Maintenance

#### Tire Inspection and Maintenance

Check regularly that the tread and sidewall is free of any trace of deformation (bulging), cut or wear.

#### Tire Wear

Adequate tread depth is critical to tire performance. A tire with tread depth less than 3 mm is more prone to skidding on wet roads and should not be used, while those with a tread depth of less than 4 mm show poor performance when running on snowy and muddy roads and should not be used in winter.

In order to reduce tire wear and extend tire service life, you can maintain your tires based on your driving habits and the road conditions:

- Avoid quick driving-off and violent acceleration.
- Avoid sharp turns and heavy braking.

- When driving through potholes, curbs or such areas on the road, please drive slowly.
- It is recommended to exchange the tires after driving every 5000-8000 kilometers.

### Tire/Wheel Replacement

Due to the effects of ultraviolet rays, extreme temperatures, high loads and environmental conditions, tires will age over time. In addition, there will be normal tire wear during normal acceleration, braking, and turning. Therefore, it is recommended that the tires be replaced every three years or 40000km (whichever comes first), and be replaced earlier if necessary (such as the tire tread is worn to the extent that the wheel mark became vague, the tire is scratched or the tire surface is punctured).

#### Caution

- For your safety, only tires and hubs of the original specifications are allowed. A tire not match the original specifications may affect the operation of the tire pressure monitoring system (TPMS).

### Seasonal Tire Types

#### Summer Tire

Summer tire applies to extremely dry and wet roads, but is not suitable for winter road conditions. It is recommended to use winter tire when driving in low temperature or icy road conditions.

### All-season Tire

This tire is designed to provide sufficient traction in all seasons, but may not provide as much traction as winter tire in icy and snowy conditions. The sign "ALL SEASON" and/or "M+S" (muddy and snowy) can be seen at the sidewall of the tires of all-season type.

### Winter Tire

Winter tire can improve the traction in snowy and icy conditions. In the installation of winter type, be sure to install a complete set of four tires at one time. The four winter tire of wheel tires must be of the same specification, brand, structure and tread pattern. Please contact the local authorized service center for advice on winter tires.

A vehicle with winter tires may have increased road noise, reduced tread life cycle, and reduced traction on dry roads.

### Warning

- Do not drive the vehicle if any of its tires is damaged, excessively worn, or has abnormal air pressure. Regularly check the wear of the tires to ensure that they have no cuts or bulges.
- After a tire replacement or repair, the wheel must be dynamically balanced again.
- If you find that the tires are unevenly worn, you should go to the local authorized service center to check the wheel balance and wheel alignment as soon as possible.
- Insufficient air pressure is the most common cause of tire malfunction. It may cause tire overheated, tire crack, tread delamination, or tire burst, resulting in accidental loss of vehicle control and increasing the risk of injury.



**Warning**

- However, insufficient air pressure will shorten the vehicle's range and tire tread's life cycle.
- Do not use any tire sealant (except the type provided by the vehicle tire repair kit). Other types of tire sealants may cause a failure of tire pressure sensor.

### Tire Pressure Monitoring System (TPMS)


TPMS can monitor tire pressure and temperature in real time, and give alarms of tire pressure and temperature data on the dashboard to remind the user to maintain reasonable tire pressure. If the dashboard issues a tire pressure alarm, you must stop driving and check the tires as soon as possible, and inflate the tires to the proper tire pressure.

### Calibrate TPMS on the Central Control Screen

TPMS needs to be recalibrated after a tire replacement or position adjustment.



#### Tire Pressure Calibration Steps:

1. Before performing tire pressure calibration, the vehicle stands for 15 minutes.
2. Enter the tire pressure calibration interface via "  → Status" on the central control screen, click the "TPMS reset" button to start the tire pressure calibration.

- The vehicle will run for 10 minutes at a speed above 40Km/h to complete the tire pressure calibration.

### Temporary Tire Repair

The vehicle is not equipped with a spare tire, but with a tire repair kit which includes an air pump and a can of tire sealant (enough to repair a tire). The sealant can be injected into a small puncture with diameter no larger than 6 mm to provide a temporary repair.



#### ⚠ Caution

- For punctures larger than 6 mm, serious damage to the tread, sidewall damage, torn tires, or tires falling off from the rims, please contact your local authorized service center.

#### ⚠ Warning

- The tire repair kit is only used for a single temporary repair, and the damaged tire must be repaired or replaced as soon as possible.
- If using a tire temporarily repaired with the tire sealant, the vehicle must be driven at a speed  $\leq 80$  km/h.
- Please read and follow all warnings and tips on the tire repair kit.
- With a tire found to be flat, the vehicle is strictly prohibited to run any longer, otherwise it may cause serious injury.

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## Tire Sealant

The tire sealant provided in the tire repair kit is exclusively for Xpeng vehicles which will not damage the tire pressure sensor. Therefore, the tire sealant can only be replaced with those of the same type and volume. Tire sealant can be purchased from local authorized service center.

The product expiration date is printed on the outside of the tire sealant. If it expires, the sealant may lose its expected effect, and you must buy a new one.

### Warning

- Do not use tire sealants purchased from other sources, as this may cause failure of the tire pressure sensor.
- Be sure to read and follow the safety and operating instructions for tire sealant.
- Prevent children from touching the sealant.
- If your eyes come into contact with tire sealant, please rinse immediately with clean water and seek medical attention.
- If you accidentally ingested the tire sealant, seek medical attention immediately.
- If you accidentally inhaled the tire sealant, breathe fresh air immediately to avoid breathing problems and seek medical attention immediately.

### Inject Tire Sealant and Air into Tire

Follow the steps below to temporarily repair small tire punctures (less than 6 mm):



1. Take out the tire repair kit from the trunk.
2. Take out the air pump and tire sealant from the tire repair kit.



3. Take out the connecting pipe from the back of the air pump and power cord from its side.

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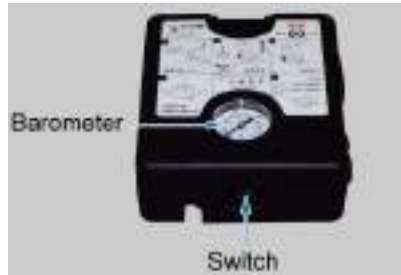
4. Connect the air pump hose to the tire sealant's air inlet valve connector and tighten it.



5. Install the tire sealant to the pump.



6. Install the tire sealant connection tube to the tire valve and tighten it.
7. Connect the air pump power cord to the 12 V power supply of the vehicle's storage box.



8. Press the switch to turn on, and the pump starts to inflate the tire.
  - ▶ Observe the barometer until the tire pressure reaches the standard pressure, then stop.
9. Turn off the air pump and disconnect the connecting tube from the tire valve. Wipe off excess tire sealant from the tire valve and wheel hub.

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10. Immediately drive for 8 km, so that the sealant is distributed around the entire tire, and the driving speed should not exceed 80km/h.
11. Stop driving and check tire pressure. If necessary, inflate with an air pump.

**⚠ Caution**

- Please repair or replace the tire as soon as possible.
- After the tire sealant is used, you should buy a new one in time.
- Do not drive at a speed exceeding 80km/h.

### Inflate Only



1. Take out the tire repair kit from the trunk.
2. Take out the air pump from the tire repair kit.



3. Take out the connecting pipe from the back of the air pump and power cord from its side.
4. Install the air pump connection tube to the tire valve and tighten it.
5. Connect the air pump power cord to the 12 V power supply of the vehicle's storage box.

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6. Press the switch to turn on, and the pump starts to inflate the tire.
  - ▶ Observe the barometer until the tire pressure reaches the standard pressure, then stop.
7. Turn off the air pump.

### Using Snow Chain


When driving in harsh environments such as snowy or icy roads in winter, the use of snow chain can increase the friction of tires and reduce sideslip. Using snow chains, you must follow the suggestions below:

- For driving in thick snow, it is necessary to install snow chains on the tires. The size and specifications of the chains must meet that of the original tires. Any non-conformity will make adverse effect to the vehicle's performance and safety. Moreover, the operations such as full-load driving, speeding, abrupt acceleration, abrupt braking, and abrupt turning will lead to potential dangers.
- Abrupt braking on snowy or icy roads will cause the vehicle to drift and skid. A proper distance from the vehicle ahead is required for the safety during braking, and you need to step on the brake pedal gently. Note that the chains installed on the tires will

provide a certain amount of friction, but they cannot prevent sideslip.

#### Caution

- It is required to ensure that the vehicle with snow chains installed on its tires can run in a balanced condition in various weather situations. Keep in mind that equipped with snow chains, the vehicle may have insufficient power. Even on a good road, you need to drive carefully. Do not exceed the prescribed speed limit for chains, and the limit of 50km/h, whichever is lower.
- If the installation of snow chains is required, the size and type of the chains should meet the specifications of the standard tires for the vehicle, otherwise they will adversely affect the safety and control of the vehicle.
- Tire chains must be installed on the front tires in pairs.

 Caution

- Do not use snow chains on dry ground. After driving onto snowless road, please remove the snow chains.
- When the chains are installed as fit as possible to the front tires and after driving 0.5 to 1.0 km, tighten the chains again.

### Exterior Cleaning

Washing frequently helps protect the appearance of the vehicle. Vehicle wash should be carried out in a cool place without burning sunlight. If the vehicle has to be parked in the sun for a long time, it is recommended to clean it after the exterior is cooled down.

If using an automatic vehicle washer, be sure to follow the instructions of washer operator.

In case of using high-pressure vehicle washing, please rinse directly against the glass. Do not rinse toward the edge of the glass to prevent water from rushing into the vehicle.

After washing the vehicle in the north in winter, dry the water in the gap around the door handle to avoid that the vehicle is freezing and the door cannot be opened.

In order to prevent damage to the vehicle paint, corrosive substances (guano, resin, insects, asphalt spots, paving salt, industrial dust, etc.) should be removed immediately, instead of being cleaned by the wax in vehicle

cleaning.

For cleaning the exterior of the vehicle, please follow the steps below:

1. Preparation before Cleaning
  - Close the door and trunk, and check that the charging port is completely closed.
2. Rinse Thoroughly
  - Before cleaning, rinse off dirt and grit from the body with a hose. Please wash the areas prone to dust, silt and paving salt (such as wheel arches and panel joints).
3. Wash by Hand
  - Add high-quality neutral vehicle cleaner into cold or warm water, damp a soft cloth, and wash the exterior of the vehicle by hand.
4. Rinse
  - After cleaning, rinse with clean water to prevent residual soap from drying out on the surface.

## Notes for Exterior Cleaning

### ⚠ Caution

- Never use windshield cleaning fluid, because it will hinder the work of windshield wiper and cause chattering noise.
- Do not use hot water and detergent.
- In hot weather, do not wash under direct sunlight.
- If using a pressure washer, the nozzle must be kept at least 30 cm away from the surface of the vehicle body. Keep the nozzle moving, and don't spray on a certain part continuously. Do not spray with the nozzle toward the charging port.
- Do not spray directly with the hose toward the window or door seal, or spray into the brake component through the hub hole.

### ⚠ Caution

- Avoid using cotton flannel or coarse cloth, such as vehicle wash gloves.
- Do not use chemical tire cleaners, otherwise the finished wheel surface may be corroded.
- Avoid using high pressure washer to the rear-view camera or parking sensor (if equipped). Never use sharp or rough objects to clean the sensor or camera lens, as this may scratch or damage its surface.

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### Cleaning and Maintenance of External Plastic Parts

- In general, they can be cleaned with water, soft cloth and soft brush.

### Cleaning of Windows and Rearview Mirrors

- Clean the window glasses and rear-view mirrors with an alcohol-based glass cleaner, and then dry the glass surface with a clean lint-free soft cloth or antelope skin.
- After a maintenance to the vehicle surface, the wax remained on the glasses should be removed with a special cleaner and cleaning cloth to avoid scratching the wiper blades.
- It is allowed to use a small brush to remove snow on the windows and rear-view mirrors.
- Deicing spray and deicing spatula are allowed to be used to remove ice.

it should be operated carefully to avoid damaging the components and in the same direction when using such tools.

#### Caution

- Never use warm or hot water to remove ice and snow from the windshield and rear-view mirrors. Otherwise, it may cause glass burst.
- If there's residual rubber, grease or silica gel on the glass, it must be removed with a special vehicle window cleaner or silica gel cleaner.

### Maintenance of Sealing Strip

- Maintenance operations on the sealing strip is to be performed with a soft cloth to remove surface dust and dirt. It is required to use a special protective agent to coat the rubber sealing strip regularly.

## Wiper Blade Cleaning

- Regularly inspect and clean wiper blade edges and check the rubber for cracks, breaks and roughness. If damaged, please go to the local authorized service center to replace the wiper blade.
- Contaminants on the wiper blade may reduce its performance. The contaminants include ice, vehicle wash wax, cleaning fluid containing bacteria and/or water repellent, bird droppings, tree sap, and other organic materials. Please follow the instructions below for cleaning:
  - Use a non-abrasive glass cleaner to the windshield.
  - Lift the wiper arm slightly from the windshield to make it enough to get close to the wiper blade, then use isopropyl alcohol (rubbing) or wiper cleaning fluid to wipe the wiper blade clean.
- If the wiper blade is still ineffective after

cleaning, it may need to be replaced.



### Caution

- When lowering the wiper arm, be careful to prevent it from falling and hitting the windshield.
- The surface of the wiper blade is coated with a layer of graphite, which can make the scraping smoothly without scratching noise. Solvent-containing cleaning agents, hard sponges and sharp objects can damage the graphite layer. A wiper with graphite layer damaged will increase the scratching noise, and should be replaced soon.
- In winter or cold conditions, be sure to check the wiper blade is not frozen with the windshield before using the wiper. If they're frozen together, clear the ice firstly. Otherwise, the wiper blade and wiper motor will be damaged.

### Interior Cleaning

Check and clean the interior frequently to keep the appearance clean as new and prevent premature wear.

#### Interior Glass

- It is strictly forbidden to scratch or use any abrasive cleaning fluid on the glass or mirror. Otherwise, the reflective surface of the mirror and the heating element of the rear window may be damaged.

#### Dashboard and Plastic Surfaces

- It is strictly forbidden to polish the upper surface of the dashboard. Polished surfaces tend to reflect light and may interfere with driving vision.

#### Cleaning of Seats

- Use a soft cloth dipped in warm water and neutral liquid soap to wipe off the stain as soon as possible.

motion, then dry it with a soft, lint-free cloth.

#### Seat Belt

- Pull out the seat belt and wipe it. Do not use any type of cleaner or chemical cleaner. Then, pull the seat belt out and let it dry naturally.

#### Vehicle Carpet

- Avoid using carpets that are too wet. For heavy-duty areas, a diluted vehicle interior cleaner can be used.

#### Central Control Screen and Dashboard

- Use a special clean, lint-free soft cloth to clean the central control screen and dashboard. Never use cleaning agents (such as glass cleaner), wet wipes, or dry wipes with static electricity (such as ultra-fine microfiber cloth that has just been



cleaned).

- Wiping the central control screen after the cleaning mode is enabled will not activate buttons and change settings. Click “System Settings → Display → Clean Screen” on the panel. Then, the screen becomes dim, making it easier to see dust and stains.

### Chrome and Metal Surfaces

- Polishes, abrasive cleaners or hard cloths will damage the finish of chrome-plated and metal surfaces.

### Foot Pad

- In order to extend the life cycle of vehicle carpets and facilitate cleaning, please use certified foot pads approved by Xpeng motor. Clean the pads regularly and make sure they are properly installed. If the pads are excessively worn, please replace them soon.

### Cautions for Interior Cleaning

### ⚠ Caution

- In order to avoid interference with the pedals, please make sure that the driver's foot pads are properly secured, and do not put another foot pad on them. The foot pads should always be placed on the surface of the vehicle carpet.
- The use of solvents (including alcohol), bleach, citrus cleaner, naphtha, silicon-based products, or additives may damage the interior.
- Static electricity can cause damage to the central control screen and dashboard.
- If there's any damage found to the airbag or seat belt, please contact the local authorized service center immediately.
- Do not allow any water, detergent or fabric to enter the seat belt device.

### Inspection of Power Battery Coolant

When delivered from the factory, the power battery cooling system is filled well with coolant, and it is required to check the power battery coolant level regularly during the prescribed maintenance period.



Check the level mark at the side of the coolant tank:

- ▶ MAX: Upper limit
- ▶ MIN: Lower limit

The coolant level should be kept between MIN and MAX. If the level is lower than MIN, it is required to fill the coolant approved by Xpeng motor in time.

### Filling Power Battery Coolant

Unscrew the lid of the tank and fill it with coolant.

- ▶ To improve the performance and life cycle of the power battery to the maximum, a specific type of ethylene glycol aqueous solution (with the freezing point to be determined according to the local minimum temperature) is selected for the cooling system.
- ▶ After filling the coolant, you should go to the local authorized service center to check whether the system leaks.

### Inspection of Motor Coolant

When delivered from the factory, the motor cooling system is filled well with coolant, and it is required to check the motor coolant level regularly during the prescribed maintenance period.



Check the level mark at the side of the coolant tank:

- ▶ MAX: Upper limit
- ▶ MIN: Lower limit

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The coolant level should be kept between MIN and MAX. In case the level is lower than MIN, it is required to fill the coolant approved by Xpeng Automobile in time.

### Filling Motor Coolant

Unscrew the lid of the tank and fill it with coolant.

- ▶ To improve the performance and life cycle of the motor to the maximum, a specific type of ethylene glycol aqueous solution (with the freezing point to be determined according to the local minimum temperature) is selected for the cooling system.
- ▶ After filling the coolant, you should go to the local authorized service center to check whether the system leaks.

### Inspection of Heating Coolant

When delivered from the factory, the heating system is filled well with coolant, and it is required to check the heating system coolant level regularly during the prescribed maintenance period.



Check the level mark at the side of the coolant tank:

- ▶ MAX: Upper limit
- ▶ MIN: Lower limit

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The coolant level should be kept between MIN and MAX. In case the level is lower than MIN, it is required to fill the coolant approved by Xpeng Automobile in time.

### Filling Heating Coolant

Unscrew the lid of the tank and fill it with coolant.

- ▶ To improve the performance and life cycle of the heating system to the maximum, a specific type of ethylene glycol aqueous solution (with the freezing point to be determined according to the local minimum temperature) is selected for the cooling system.
- ▶ After filling the coolant, you should go to the local authorized service center to check whether the system leaks.

### Inspection of Brake Fluid

If the level of brake fluid tank is lower than the suggested level, alarm will be raised via the brake light on dashboard. If the alarm is raised during driving, the vehicle must be pulled over and parked under the premise of ensured safety. Do not keep driving. At the same time, please contact the local authorized service center immediately.

#### Warning

- If you find that the brake pedal is loose or the brake fluid is significantly depleted, please contact your local authorized service center immediately. Driving under these conditions may result in extended braking distance or complete braking failure.



Check the level mark at the side of the brake fluid tank:

- ▶ MAX: Upper limit
- ▶ MIN: Lower limit

The brake fluid level should be kept between MIN and MAX. In case the level is lower than MIN, it is required to fill the brake fluid approved by Xpeng Automobile in time.

### Filling Brake Fluid

1. Clean the tank lid firstly to prevent dust from entering the tank.
2. Unscrew and take off the lid of the tank.
3. Fill the tank with the brake fluid meeting DOT4 technical specifications until it reaches the level approaching to the MAX mark.

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**Warning**

- Use the new brake fluid stored in a air-tight cylinder. Never use any brake fluid stored in a used cylinder or opened cylinder, because such fluid will absorb moisture, which reduces its braking performance.
- Brake fluids have severe toxicity, and must be stored in sealed containers to prevent from children exposure. In case it is accidentally ingested, medical attention shall be required.
- The brake fluid can damage painted surfaces. In case of leaks, it is allowed to clean it with a piece of absorbent cloth promptly and then use vehicle detergent mixed with water to wash.

**Filling Windshield Fluid**

Check the detergent regularly. If the detergent level is found lower than the MIN limit, fill the tank with additional detergent.

Operate the washer regularly to check whether the nozzle is blocked and whether it works well.

**Filling Windshield Fluid**



1. Clean the tank lid firstly to prevent dust from entering the tank.

## 8.Maintenance

2. Take off the lid of the tank.
3. Fill it with cleaner until the level reaches the position where is just below the filling port.

### Warning

- Prevent windshield fluid from spraying onto the vehicle covering sheets. Wipe the leakage and clean it by washing.
- At a temperature lower than 4 °C , use a cleaner containing anti-freezing agent, to prevent from reduced visibility through the windshield when in cold weather.

### Replacing Key Battery



1. Find the spy hole of the key, and gently force it apart by hands to open the snap joint.
2. Use a plastic piece to slide backward along the opening, to open the key's lid.





3. Remove the screw and take out the black inner cover.
4. Take out the internal circuit chip of the key.



5. Take out the key battery.
  - ▶ Model: CR2032.
6. Install in the counter direction
  - ▶ When installing, the key battery should be positioned with the end marked "+" (positive) to the upward.

### Part & Component and Refitting

Only Xpeng Motor's original or approved parts are permitted. Xpeng Motor conducts rigorous testing of components to ensure their applicability, safety and reliability. These parts can only be purchased from the local authorized service center, installed by Xpeng motor professionals, and can be modified according to the suggestions of Xpeng motor experts.

Xpeng motor can't access the parts produced by other manufacturers. Therefore, please be cautious when choosing non-Xpeng Motor's original or approved parts.

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## VIN

You can find the vehicle identification number (VIN) at the following locations:



Instrument panel VIN

1. Pasted on the bottom left of the instrument panel, which can be seen through the windshield.

Under the front passenger seat



2. Engraved under the front passenger seat.



3. Pasted on inside front engine room.

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4. Pasted on inside tailgate.

### Product Nameplate

The product nameplate is on the B-pillar of the front passenger door, and can be seen when the front passenger door is open.



The product nameplate is on the B-pillar of the front passenger door, and can be seen when the front passenger door is open.

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HATMA CAR CO., LTD

e13\*KS07/46\*1635

LMVHFEFZ4LA100169

2087kg

-kg

1-1065kg

2-1022kg

\*LMVHFEFZ4LA100169\*

The product nameplate indicates the vehicle information.

### G3 Information

Manufacturer: Haima Motor Corporation.

Address: Zhengzhou Economic and Technological Development Zone Hanghai East Road No. 1689

Xpeng Motor's Official Website: [www.xpeng.no](http://www.xpeng.no)

### OBD Port



The OBD port for reading the electronic VIN is at the lower left rear of the instrument panel, through which the data including the electronic VIN and vehicle status information can be read with the original diagnostic instrument or officially approved diagnostic equipment (such as WDI-2 of Shanghai DSA-China Electronic Technology Co.,Ltd., X431 PRO3S or X431 PROS of Shenzhen Launch Tech Co.,Ltd., etc.).

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### Drive Motor Model and Code



The label of drive motor indicates its model and code.



The drive motor housing indicates its model and code.

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Labels

Location



Label Information

轮胎气压 TIRE PRESSURE		
轮胎 TIRE	型号 SIZE	气压 PRESSURE
前 FRONT	215/55 R17	250kPa
后 REAR	215/55 R17	250kPa

1. Tire Pressure Label.

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2. Side Airbag Label.



3. Cooling Fans Label.



4. Childproof Label.



5. Coolant Label.

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## 6. A/C System Label.



## 7. Airbags Label.

## 8. About Warning Signs

No.	Name	Pattern	Description
1	High-Voltage Electricity		Do not touch the high-voltage component! It's dangerous!
2	High-Voltage Component 1		High-voltage component. It's dangerous. Prevent from touching the high-voltage component without wearing protective equipment, to avoid electric shock!
3	High-Voltage Component 2		High-voltage component! Dangerous!
4	Power Battery		Prevent from touching the power battery without wearing protective equipment, to avoid electric shock!
5	High-Voltage Harness		High-voltage components are connected by orange high-voltage harness. Do not touch high-voltage components without wearing

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## External Dimensions



Item	Parameter	Unit
External Dimensions	Length	4450
	Width	1820
	Height	1610/1678
Track Width	Front	1546
	Rear	1551
Wheel Base		2625
Front Suspension		967
Rear Suspension		858
Minimum Clearance from Ground (Full load)		123
Approach Angle (Full load)		16
Departure Angle (Full load)		24

mm

°

Note: exterior rearview mirror (one on each side) are not included in the outside width.

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### Weight

Project Name		Parameters	Units
Vehicle Curb Weight		1637	kg
Curb Weight	Front axle	948	
	Rear axle	689	
Maximum Total Mass		2087	
Maximum Total Mass	Front axle	1065	
	Rear axle	1022	

Note: The tolerance of weight parameters is  $\pm 3\%$ , except for the maximum total mass.

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## Parameter

Project name		Parameters	Units
Number of Passengers		5	/
Minimum Turning Circle Diameter		10.7	m
Maximum Speed		170	km/h
Maximum Gradient		≥ 30	%
WLTP Driving Range		450+	km
Charging Time	DC Charging Time	≥ 43	min
	AC Charging Time	≥ 5.5	h

Note: Charging time is the time it takes for the power battery to charge from 30% to 80% at an ambient temperature of 25°C.

## Steering Gear

Items		Parameters	Unit
Type		Electric Power Steering (EPS-C)	/
Front Wheel Maximum Steering Angle	Inner	36.98±5	°
	Outer	31.06±5	°

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### Type and Parameters of Main ASSYs

Items		Parameters	Unit
Drive Form		Front Engine Front Drive	/
Rated Voltage		375.0	V
Power Battery	Type	Ternary Lithium Battery	/
	Rated Capacity	177.0	Ah
	Rated Energy	66.5	kWh
	Mass	384.0	kg
Drive Motor	Rated Power	68	kW
	Rated Torque	144	N.m
	Rated Revolutions	4500	rpm
	Peak Power	145	kW
	Peak Torque	300	N.m
	Peak Revolutions	12000	rpm
Main Reducer	Model	BW31-03/1T25K1	/
	Number of Gears	1	/
	Main Reduction Ratio	8.28	/

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### Suspension

Type of Front Suspension	MacPhersan Independent Suspension
Type of Rear Suspension	Torsion Beam Semi-independent Suspension

### Brake System

Item		Parameter	Unit
Type		Hydraulic Brake	/
Type of Steering		Vacuum Steering	/
Brake Pedal	Stroke	60 (with power-on steering) 35 (without power-off steering)	mm
	Free Stroke	10~15	mm
Wear Limit of Front Wheel Brake Friction Lining (friction lining back plate not involved)		1.7	mm
Wear Limit of Rear Wheel Brake Friction Lining (friction lining back plate not involved)		2	mm
Parking Brake		Electronic Parking Brake (EPB)	/
Brake Fluid Replacement Cycle		24 Months or 40,000 km (whichever comes first)	

### Liquid Filling Volume

Name	Model	Filling Amount
Transmission Gear Oil	DEXRON VI	1.4±0.1 L
Power Battery Coolant	Ethylene Glycol Aqueous Solution (with the freezing point to be determined according to the local minimum temperature)	6.48±0.5 L
Motor Coolant	Ethylene Glycol Aqueous Solution (with the freezing point to be determined according to the local minimum temperature)	3.37±0.5 L
Air-Conditioning Refrigerant	R1234yf	480±25 g
Brake Fluid	DOT-4	0.7±0.1 L
Windshield Cleaning Fluid	TEEC-40°C	1.5 L
Air-Conditioning System Coolant	Ethylene Glycol Aqueous Solution (with the freezing point to be determined according to the local minimum temperature)	1.9±0.5 L

### Wheel-Alignment Parameter

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Item	Parameter
Front Wheel Camber Angle	0°±45'
Kingpin Inclination Angle	12°38'±1°
Kingpin Caster Angle	5°±1°
Rear Wheel Camber Angle	-1°30'±45'
Front Wheel Toe-in	0°6'±6'
Rear Wheel Toe-in	14'±14'

### Tire

Item		Parameters	Unit
Specifications		215/55 R17	/
Pressure	R17 Front wheel	250	kPa
	R17 Rear Wheel	250	
Rim	R17 Rim	17x7J	/
Wheel Dynamic Balance	Front Wheel Inside	≤ 8	g
	Front Wheel Outside	≤ 8	
	Rear Wheel Inside	≤ 8	
	Rear Wheel Outside	≤ 8	

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### Microwave Window

The microwave window is located on the front windshield, as shown in the figure. Please keep the front windshield clean, so as to ensure its best performance and minimize the influence to the driving vision.



#### Warning

- It is prohibited to cover the microwave window.
- The signs necessary for traffic laws should be pasted at the locations inside the edge of the microwave window.

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### Intelligent Remote Diagnosis

The vehicle is equipped with a data recording memory for the data of the vehicle's systems, including motor, Xpilot steering drive system, power battery, braking and electrical systems, etc.

These electronic modules record the driving and running conditions of the vehicle, including braking, acceleration, and other operating conditions; besides, they also record the vehicle's functional information, such as charging events and status, the activation/disabling of the systems, diagnostic failure codes, and vehicle identification number (VIN) and speed.

Xpeng Motors uses the operating status recorded by G3 to provide remote diagnosis services, including fault detection, fault diagnosis, function and performance evaluation, etc.

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## Safety Guide

In the event of a vehicle malfunction or accident, in order to attract the attention of the vehicle behind, the driver should turn on the emergency flashers, put on a reflective vest and place a triangle warning sign.



1. Park the vehicle in a safe place and turn on the emergency flashers.
2. Take out the reflective vest from the glove box and put it on.

3. Take the triangle warning sign from the trunk.



4. Place the triangle warning sign behind the vehicle.

Placement position:

General Highway		Expressway
Day	Night	
≥ 50m	≥ 80m	≥ 150m

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### Linking Hook



1. Plug a small flat-head screwdriver into the strip hole, and then gently pry the hood to remove it.



2. Plug the hook.
  - Then rotate clockwise until it is firmly secured.
3. Attach the noose to the hook.

#### Warning

- Before towing, make sure that it is hooked and secured firmly.

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### Flatbed trailer

Unless otherwise specified by Xpeng Motors, the towing method (flat trailer) in the figure ① can only be used, and the towing methods in the figure ②③④⑤ are prohibited.



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### Caution

- If the platform truck cannot be used to tow the vehicle normally, the rigid connection method can be used to tow the vehicle to a safe area and wait for rescue.
- When using rigid towing, long-distance towing should be avoided, and the towing speed should not exceed 5km/h.
- The vehicle can be towed away from the scene only when it is ensured that there is no safety risk. If the vehicle battery pack is deformed, leaks, smokes, etc., the safety risks should be solved firstly.

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Jumper Starting

If the energy level of the 12V battery is too low to activate the vehicle, it is allowed to activate it by jumper starting.

Cable Connection



- Connect one end of the black cable to the negative pole (-) of the vehicle's 12V battery, and the other to the negative of the auxiliary power supply.
- Activate the vehicle. When the vehicle is activated successfully, disconnect the connected cables in the reverse order.

- Connect one end of the red cable to the positive pole (+) of the vehicle's 12V battery, and the other to the positive of the auxiliary power supply.

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### Warning

Improper connection of cable may cause the 12V battery to explode, and even human injury in severe cases, therefore must pay attention to the following:

- The voltage of the auxiliary power supply must be in conformity with the voltage and capacity of the 12V battery of the vehicle, otherwise it may cause an explosion.
- The 12V battery is not allowed to get contact with open flame or static electricity, otherwise the combustible gas produced by the 12V battery may be ignited by the sparks, causing explosion accident.
- It is forbidden to touch high-voltage components during operation, in order to prevent from being injured by high-voltage electric shock.

### Rescue Protection

The vehicle's power system is driven by power battery, which may cause high-voltage electrical leakage in the event of a serious collision. Therefore, the performance of rescue operations on the vehicle should be provided by professional rescue personnel wearing proper protective devices in order to ensure personal safety.

### Warning

- When operating the vehicle, please make sure that you are not carrying any metal products (such as necklace, watch, etc.) to avoid electric shock.

### Electrical Appliance Protection

Please wear the following protective devices to avoid high-voltage electric shock injuries:

- Rubber insulating gloves (voltage insulation  $\geq 500\text{V}$ ).
- Goggles.
- Rubber insulating shoes.
- Tools with protective insulating sleeves.

### Chemical Protection

In case of battery electrolyte leakage, please wear the following protective devices to prevent skin and face injuries:

- Protective mask.
- Solvent insulating gloves.

### Collision Protection

The vehicle has the functions of cutting off high voltage and high-voltage discharge. When a vehicle collision occurs and it met the triggering condition, the vehicle will automatically cut off the high-voltage power and will warn people to leave the vehicle as soon as possible in various forms, such as sound and text, to prevent from hazard to the people.

## 10. Emergency Rescue

### Disconnect the Low-voltage Repair Switch

In the event of a vehicle collision which not met the condition to trigger the collision protection or in case the vehicle needs to be trailed due to other malfunctions, the low-voltage service switch should be manually disconnected for safety.

Please follow the steps below:



1. Cut off the negative connection of the battery.

2. Pull out the yellow lock in the direction of the -Arrow-.



3. Press the black lock in the direction of -Arrow A-, and then pull out the second yellow lock in the direction of -Arrow B-.



## ⚠ Caution

- When disconnecting the low-voltage service switch, the personnel must wear rubber insulating gloves.

4. Plug appropriate tool into the round hole to prevent others from plugging in the low-voltage service switch and to avoid shaking the low-voltage service switch during transportation, which may cause internal contact of the low-voltage service switch and lead to danger due to high-voltage power-on.

- ▶ At this time, both the high-voltage interlock circuit and the high-voltage contactor coil power circuit is disconnected.

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## Battery Leakage Rescue

### Warning

- In case of a high-voltage battery liquid leak in a vehicle collision, the rescue should be operated by professional rescuers, who are required to wear rubber insulating shoes, acid and alkali resistant gloves, and protective goggles, and are not allowed to directly touch the liquid.

When high-voltage battery leaks (noticeable liquid leakage), please operate as follows:

- In case of a small amount of electrolyte leakage, please stay away from the fire source, then use absorbent mat to dry it and put the mat in a closed container, or burn the leakage out.
- In case of a large amount of leakage, please collect it in a unified manner and dispose it in the same

way as for hazardous chemicals. It is recommended to add calcium gluconate solution to deal with toxic gases.

### Caution

- Before the battery is safely stored, the temperature of the power battery needs to be monitored throughout the entire process. If the temperature rises abnormally, it needs to be physically cooled to prevent fire and explosion.
- When the human body accidentally comes into contact with the leaked liquid, immediately rinse with plenty of water for 10-15 minutes. If there is no improvement or symptoms of discomfort appear, seek medical attention immediately.

## Fire Rescue

### Warning

- In case of vehicle fire, do not directly touch any part of the vehicle. It should be operated by professional rescuers wearing appropriate protective equipment.

A small vehicle fire which is under control should be handled with proper fire extinguishing agent: dry sand, dry chemical powder, or carbon dioxide;

When the vehicle is on fire or the battery is severely squeezed, bent or damaged in another way, and the fire develops rapidly or becomes out of control, it is required to notify rescuers to use a large amount of continuous water to extinguish the fire for 30 minutes (water breaking the window is allowed). In addition, to prevent the fire from spreading, it is required to keep any combustible materials

around away from the vehicle on fire.

When the fire is extinguished, attention should be paid at any time to prevent reignition.

### Wading Rescue

The professional rescuers, when handling wading vehicles, must wear appropriate protective rescue equipment, and pull the vehicle out of the water, then cut off the high-voltage circuit as normal.

#### Caution

- It is recommended that a vehicle driving in water should prevent from staying in deep water for a long time, otherwise the high-voltage components of the vehicle are easy to be damaged.
- After being salvaged, the vehicle needs to stand for at least 30 minutes. At the same time, the temperature of the battery pack also needs to be monitored in real time to ensure that the battery has no thermal runaway, only after which can the vehicle be taken away.

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