



## User manual XPENG G9

<https://www.automotive-manuals.net>



XPENG G9 is an ultra-fast charging fully-intelligent SUV, with different characteristics from those of ordinary vehicles. Before starting the journey of G9, please read this manual to understand the basic information of the vehicle, the basic operation of the use of the vehicle and the corresponding attention to the warning matters. If you still have questions about the use of your vehicle, please contact the XPENG Service Center.

This manual is prepared and published on August, 2023. Some configurations, functions, or pictures that appear in the title of the manual with “\*” or described are only samples of one of the configurations of the vehicle at that time, and XPENG G9 has the ability of remote upgrade (OTA). After the remote upgrade of the vehicle, the related configuration and functions of the vehicle will continue to be upgraded or updated synchronously. Thus there is a special reminder for you from XPENG Inc.:

Please familiarize yourself with the latest and greatest features, driving tips and precautions, etc., before you need to drive your vehicle after each vehicle upgrade or feature update. Please pay special attention to the warnings in this manual and use your vehicle properly and safely.

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

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





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### Safety Instructions

#### Guidelines on Traffic Accidents

When the vehicle is severely damaged in an accident, to ensure personal safety, please pay attention to the following warnings:

- Do not touch the HV wiring harness and all high-voltage parts of the vehicle to avoid severe injury from electric shock.
- Do not touch spilled fluid.
- Do not attempt to inspect the vehicle yourself.
- If the vehicle needs to be towed, please contact the XPENG Service Center.
- Secondary energization is prohibited if the vehicle becomes soaked, in which case a short circuit may occur inside the traction battery. In order to ensure personal safety secondary damage to the vehicle, it is necessary to immediately contact the XPENG Service Center to check the traction battery system, and have professionals evaluate the damage of the traction battery.
- If the vehicle emits smoke, please stay away from the vehicle immediately and contact the XPENG Service Center in time.
- If the vehicle is on fire, please stay away from the vehicle immediately and call the police in time. When calling the police, you need to inform that the vehicle is a pure electric vehicle.
- If the ICM shows a traction battery system fault, you should safely pull over, stay away from the vehicle and contact the XPENG Service Center for treatment.
- If anyone in the vehicle is injured, contact first aid according to the degree of injury.
- If the vehicle is involved in an accident such as scraping the bottom or crash, the internal structure of the traction battery may suffer damage, posing a severe safety risk, and it is necessary to immediately contact XPENG service center to inspect the traction battery system and have the damage assessed by a professional.



## Important Notes

If the vehicle has any of the following conditions, please contact the XPENG Service Center:

- The normal mileage or service life interval of the vehicle meets the maintenance requirements (refer to the Warranty and Maintenance manual).
- Vehicle accidents such as crash, soaking or scraping the bottom.
- Critical fault alarm messages (e.g., traction battery fault, traction battery overheating, motor and controller overheating, electric system fault, etc.) appear on the vehicle's ICM.

## System Upgrade

### Basic Introduction

The vehicle supports upgrading through the CID to provide the latest functions for your car. XPENG Inc. recommends that you install the new version of the software as soon as possible.

- When the vehicle is connected to the network, it will automatically receive the upgrade push, please make sure the vehicle is in the network status.
- The traffic consumption generated by the system upgrade is borne by XPENG Inc., and the user package traffic will not be used, thus the user does not need to bear the system upgrade traffic fee.
- If you have any other questions, please contact XPENG Service Center or Customer Service Center.



### Introduction to System Information

#### Enter the System Information Interface

- Tap the XPENG brand logo  in the status bar to enter the system information interface.
- Go to Vehicle Settings and tap “ → **About**” to access the system information interface.

This interface is the entrance for OTA online upgrade and displays the basic information of the vehicle system: Xmart OS version, Vehicle Identification Number (VIN) and so on.

#### No New Version Available

When there is no new version available, the interface shows that it is currently the latest version. Tap “**Version Description**” to view the software version description for the current vehicle.

#### New Version Available

A push message will be sent to remind you that there is a new version to upgrade, and the status of the logo icon  in the status bar will change to .

When a new version is available, tap “**New Version Introduction**” on the System Information interface to view the upgrade instructions for the software.



## Upgrade Method

When a new version is available for upgrade, the system can be upgraded in the following two ways:

### Upgrade Appointment

In the system information page, tap **“Upgrade to new version”**, a pop-up window will appear to select the upgrade time, set the time when you don't need to use the vehicle, tap **“Confirm to book the upgrade at that time”**, the vehicle will be upgraded at the set time and in the locked state.

After setting the appointment time, the system information page will display the appointment upgrade time, and the **“Upgrade to new version”** button will change to **“Appointment details”**. Before the upgrade begins, you can reschedule your system upgrade at any time by tapping **“Appointment Details→Change the upgrade time”**.

### Automatic nighttime upgrade

On the system information page, tap **“Automatic nighttime upgrade→Confirm to enable”** in the lower left corner of the interface, and enable the automatic nighttime upgrade function. When the subsequent vehicle detects that there is a new version that can be upgraded, it will automatically upgrade at 3:00 at night without manual confirmation.

It is recommended to turn on **“Automatic nighttime upgrade”** to always keep the vehicle software at the latest version.



## Instructions for XPENG Owners

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### Upgrade Notes

- The vehicle cannot be used during the upgrade process, please make sure the vehicle is locked, parked in a safe area and allow enough time for the upgrade to complete.
- Vehicles cannot be charged during the upgrade process, so please arrange the upgrade time reasonably.
- Failed upgrades may cause some vehicles to function abnormally.
- If there is a failure during the upgrade process, please do not use the vehicle. Tap **“Retry”** to retry the upgrade. If multiple retries fail, please contact XPENG Service Center or Customer Service Center.
- Once a vehicle is upgraded, it cannot be rolled back to any previous version.



## Exterior Overview

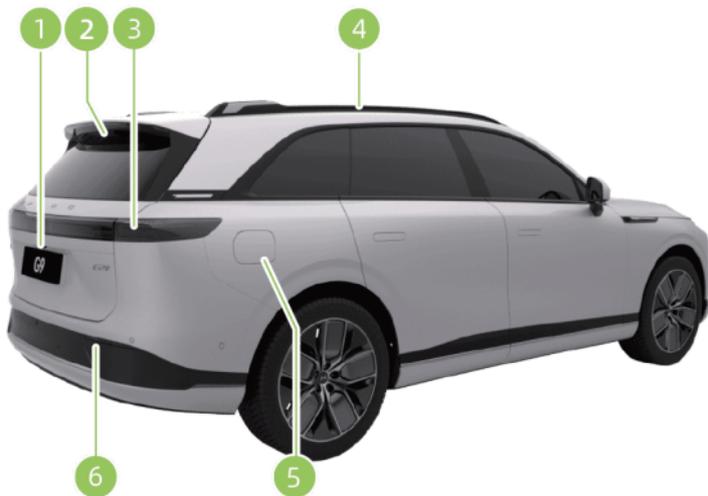
### Overview of the Front Side



1. Penetrating headlights  
[See 215 page](#)
2. Front combination lamp  
[See 215 page](#)
3. Front wiper [See 221 page](#)
4. Wheel
  - Tire maintenance  
[See 245 page](#)
5. Exterior rearview mirrors  
[See 198 page](#)
6. Concealed door handles



## Overview of the Rear Side

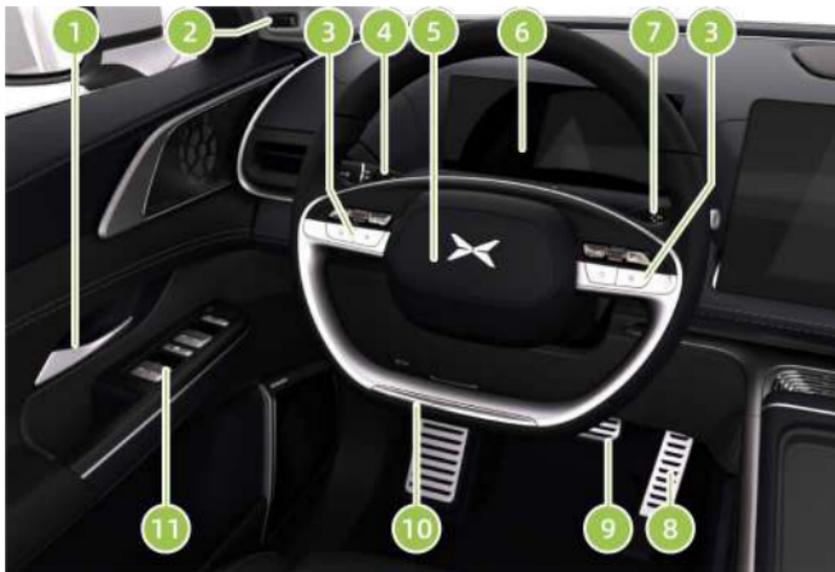


1. Trunk switch [See 183 page](#)
2. Rear wiper [See 223 page](#)
3. Rear light
4. Roof rack [See 129 page](#)
5. Charging [See 26 page](#)
6. Retro reflector



## Interior Overview

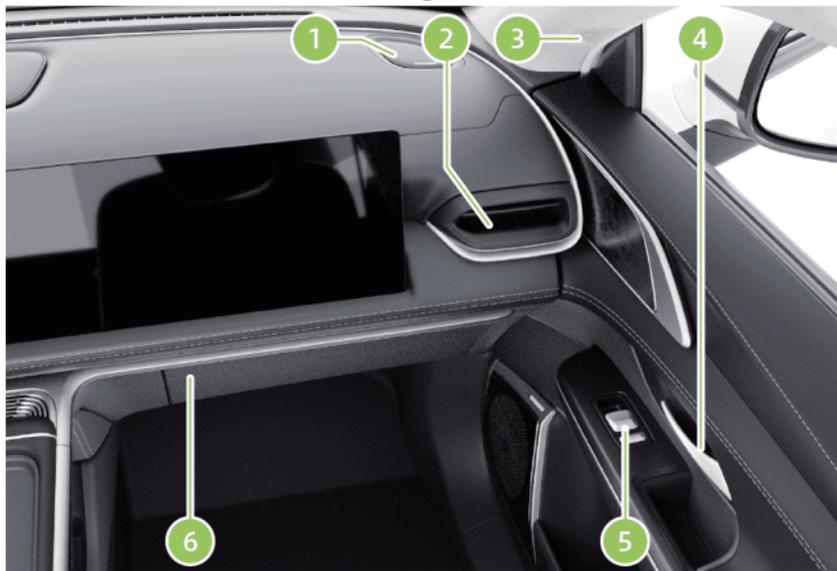
### Overview of Driver's Side



1. Inside door handles
2. Interior camera [See 87 page](#)
3. Steering wheel buttons [See 111 page](#)
4. Light & wiper lever
  - Control of exterior lights [See 218 page](#)
5. Control wiper [See 221 page](#)
5. Horn
  - Driver airbag [See 155 page](#)
6. ICM [See 208 page](#)
7. Shift gears [See 224 page](#)
8. Acceleration pedal
9. Brake pedal
10. Steering Wheel [See 203 page](#)



### Overview of Front Passenger Side



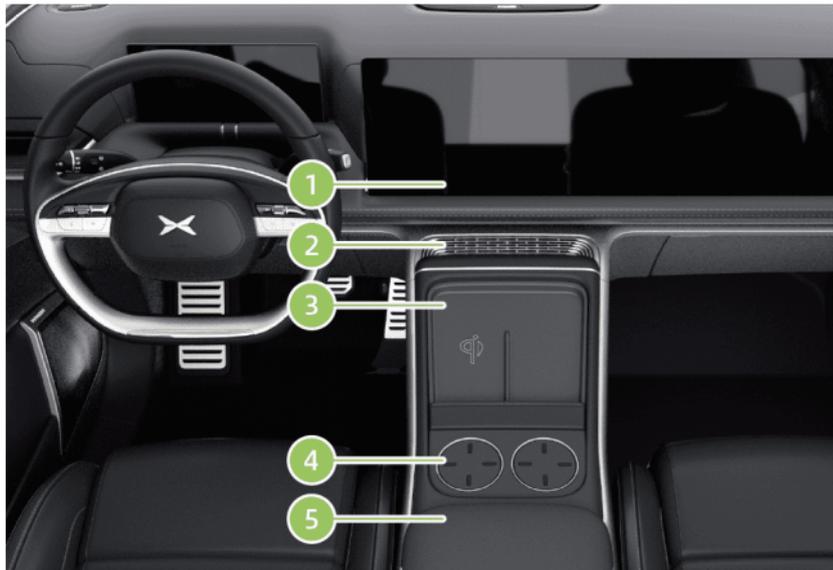
11. Left front door switch group  
See 109 page

- Door lock button
- Window switch

1. Lifting and lowering of speaker\*
2. Air conditioning vent
3. Side defrost air vent
4. Inside door handles
5. Right front door switch group
  - Window switch
  - Customized button
6. Glove box switch



## Overview of the Front of the Center Console



1. CID
2. Air conditioning vent
3. Cell Phone Slot [See 118 page](#)
4. Cup Holder [See 127 page](#)
5. Center armrest
  - Storage box



### Overview of the Rear of the Center Console



1. Air conditioning vent
2. USB charging port [See 116 page](#)
3. Type-C charging port [See 116 page](#)



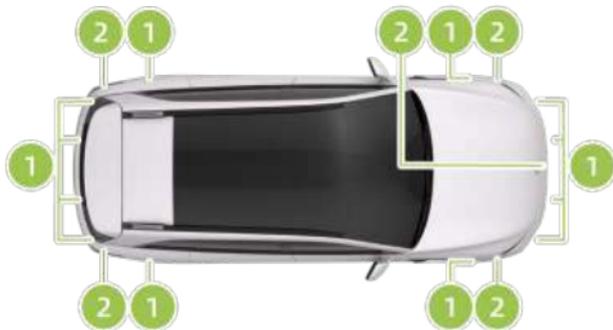
## Perceptive System

### Radar

This vehicle model is equipped with two types of radars, namely Ultrasonic Radar and High-precision short range radar.

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

### Radar Mounting Position



1. Ultrasonic Radar

2. High-precision short range radar

### Radar Maintenance

To ensure that the radar works properly, the radar must be kept clean and free of ice, snow, water, dust and other foreign objects attached.

When foreign objects are found attached to the surface of the radar, please wipe it with a soft cloth or clean it with water (low water pressure). Do not hose down right in front of the radar with a high-pressure water gun, and do not use abrasive or sharp objects to clean the radar.

#### caution

- The front and rear facing short range radars are installed in the front and rear bumpers respectively, therefore, in order to avoid affecting the performance of the short range radars, it is strictly prohibited to privately paint the bumpers, add surrounds and other operations.



## Instructions for XPENG Owners

1

- When the radar is damaged, please contact the XPENG Service Center for replacement or repair.
- Areas such as ultrasonic radar and high-precision short range radar should be avoided when installing body color change film or transparent car coat to prevent affecting the assisted driving system and other related functions.

### warning

- Due to concerns about wireless interference, operations on the device that would change the wireless properties of the device, including changing software, replacing the original antenna or adding the possibility of connecting an external antenna, are prohibited without approval from the Ministry of Transport of the People's Republic of China.

- It is forbidden to replace, refit, or add radars by yourself without professional training, and only the original or authorized radars of XPENG Inc. can be used. Otherwise, it may result in the relevant functions not being able to be used normally, and it may also generate radio interference, as a result of which XPENG Inc. will not be liable for any direct or indirect damages. When the radar malfunctions or needs to be installed, please contact the XPENG Service Center.
- The radar will not function properly in all driving situations or in traffic, weather and road conditions. When the vehicle is in a complex environment or in poor condition, you should drive with caution and always take responsibility for driving safely.
- The license plate should be maintained and serviced regularly to prevent warping and deformation causing abnormal radar operation. If the radar is found to be working abnormally, please do not replace or repair it by yourself, but contact the XPENG Service Center in time.



## Limitation and Error

When the radar does not work properly, functions that rely on the radar to provide identification information might work abnormally. At the same time radar has a limited range and cannot detect targets that are out of range.

When the environmental conditions in which the radar is located are poor, it will affect the normal operation of the radar, in addition, when the state of the target detected by the radar is abnormal, it will also affect the detection results of the radar.

The following conditions can cause the radar to fail to detect the target, have a delayed detection, or have a detection error:

- The surface of the radar is adhered to by ice, snow, frost, rain, fog, water, dust and other foreign objects.
- The target detected by the radar is attached to a substance that absorbs sound waves, e.g., snowflakes, foam, cotton objects, etc., or there are objects near the vehicle that can cause false reflections of sound waves.
- The detected object is too small.

The above examples, warnings, and limitations are not exhaustive of all situations that affect the normal operation of the radar.

## Camera

This vehicle model is equipped with three types of cameras: Surround View Camera, High Perception Camera and Fatigue Monitoring Camera.

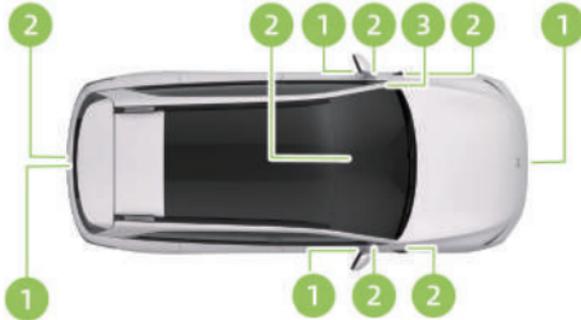
The camera performs target recognition in visual form, and after recognizing the target in the visual range, it provides recognition information for relevant functions.



## Instructions for XPENG Owners

1

### Camera Mounting Position



1. Surround View Camera
2. High Perception Camera
3. Fatigue Monitoring Camera

### Camera Maintenance

To ensure that the camera works properly:

- Camera must be kept clean and free of ice, snow, water, dust and other foreign objects attached.

- The windshield in front of the camera must be kept clean and there must be no objects between the camera and the windshield.
- When foreign objects are found attached to the surface of the camera, please wipe it with a soft cloth or clean it with water (low water pressure). Do not hose down right in front of the camera with a high-pressure water gun, and do not use abrasive or sharp objects to clean the camera.

#### warning

- It is forbidden to replace, refit, or add cameras by yourself without professional training, and only the original or authorized cameras of XPENG Inc. can be used. Otherwise, it may result in the relevant functions not being able to be used normally, and XPENG Inc. will not be liable for any direct or indirect damages as a result. When the camera malfunctions or needs to be installed, please contact the XPENG Service Center.



- The camera will not function properly in all driving situations or in traffic, weather and road conditions. When the vehicle is in a complex environment or in poor condition, you should drive with caution and always take responsibility for driving safely.

## Limitation and Error

When the camera does not work properly, functions that rely on the camera to provide identification information are limited, causing these functions to work abnormally. Also the recognition range of the camera is limited and cannot recognize targets beyond the range.

When the external environment is poor, resulting in an unclear field of view for the camera, it will affect the recognition ability of the camera, and obscuring the camera will cause the camera to lose its recognition ability completely.

The following conditions can cause the camera to fail to recognize the target, delay recognition, or recognize it incorrectly:

- Poor lighting conditions (dim, low light) or poor visibility (due to heavy rain, snow, dense fog, etc.).
- The camera is facing the direct direction of the light source or the light intensity is insufficient.
- Rapid changes in light (e.g., entering and exiting a tunnel).
- Interference with camera operation due to weather conditions (heavy rain, snow, fog, scorching heat or extremely cold temperatures).
- The surface of the camera is adhered to by ice, snow, frost, rain, fog, water, dust and other foreign objects.
- Uneven roads or other causes cause the vehicle to bump or sway.
- The camera view is obscured.
- A warped or damaged windshield that results in a camera position or angle that differs from that of the vehicle from the factory, and a change in the color of the windshield can also have an effect on the camera.



## Instructions for XPENG Owners

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1

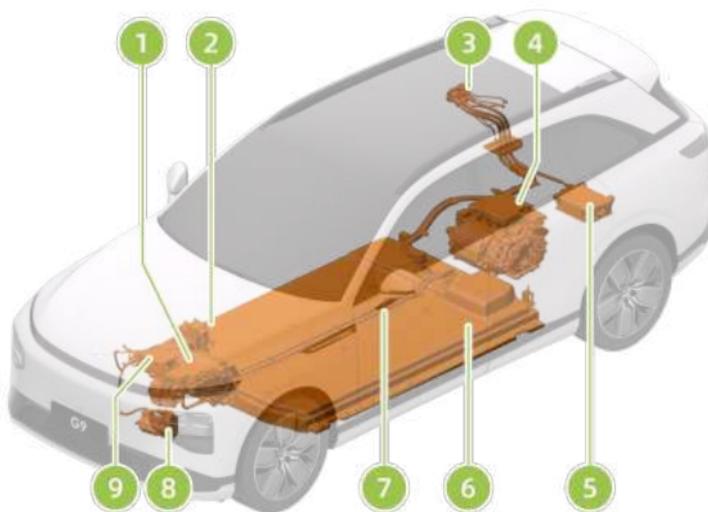
The above examples, warnings, and limitations are not exhaustive of all situations that affect the normal operation of the camera.



## High-voltage components

### Overview of High-voltage Components

2



1. Front electric drive system\*
2. 4WD high-voltage distribution box\*
3. Charging port
4. Rear electric drive system
5. CCS/DCDC converter
6. Traction battery [See 25 page](#)
7. HV wiring harness
8. Air Conditioning Compressor
9. PTC



 **warning**

It is prohibited to touch or removing the HV wiring harness or the high-voltage components connected to the HV wiring harness, otherwise there is a risk of electric shock!

## Traction Battery

### Traction Battery

The traction battery is mounted on the underside of the vehicle, thus be careful when driving!

 **warning**

- The rated voltage of the traction battery far exceeds the safe voltage of the human body. High-voltage electricity will cause severe injury or even death to the human. Please pay attention to the danger of high voltage!
- Only trained technicians are allowed to remove, check, refit, repair and do other operations on the traction battery and its wiring. Otherwise it may lead to electric shock injury or even death due to improper operation.

 **caution**

- Be careful when driving over special road surfaces such as mud, potholes, curbs, higher and wider speed bumps, sidewalks and other slopes to avoid chassis crash that may cause scratches or damage to the traction battery.
- Be careful when driving over deep water to avoid short-circuiting, leakage or damage to the traction battery due to excessive contact with water.
- If you perceive that the chassis has been scratched, or the traction battery emits a strange odor, you should stop using the vehicle immediately and contact the XPENG Service Center.



## Range

The range depends on factors such as the vehicle's available power, the whole vehicle's driving range and time, ambient temperature, road conditions, driving habits (air conditioning, driving modes, recycled energy level), and the whole vehicle's load capacity.

## Ambient Temperature of Traction Battery

The ambient temperature affects the performance of the traction battery, and it is required to use the vehicle within the ambient temperature range of  $-30^{\circ}\text{C}$  to  $55^{\circ}\text{C}$  in order to maintain the good performance of the traction battery and prolong the life cycle of the traction battery.

### caution

Do not expose the vehicle to conditions above  $55^{\circ}\text{C}$  or below  $-30^{\circ}\text{C}$  continuously.

## Traction Battery Recycling Notice

When it is necessary to replace or scrap the traction battery, please be sure to contact the XPENG Service Center for recycling. Disposal of traction battery will cause pollution to the environment or lead to safety accidents, and vehicle owners should bear corresponding responsibilities.

## Charge Port

### Brief Description

The charging port is located on the right rear side of the vehicle.



1. AC charging port (slow charging)
2. DC charging port (fast charging)

### On and Off

#### Via Smart Key

Double-tap the button “” on the smart key to turn the charging port on or off.



- Tap “” or “ →Energy” on CID to turn on/off the charging port on the Energy Center interface.



- Scroll down from the top of the CID to turn on/off the charging port in the shortcut menu.

## Charging Instructions

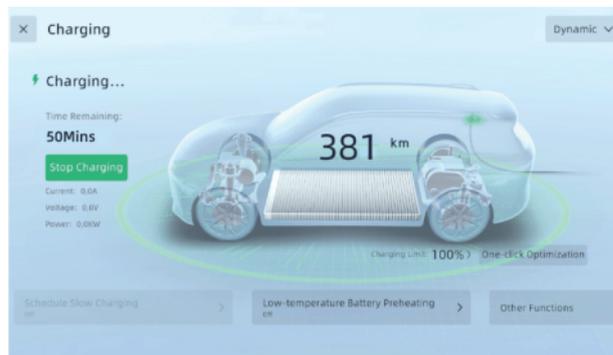
### Charging Status Display

It can be informed of the vehicle's charging status by the following 3 types of indication information during charging:

#### Status Display



#### 1. ICM



2. Energy Center interface on the CID
3. XPENG App



## AC Charging

Using AC power for charging, the charging time is long, which is good for battery protection.

Charging operation:

1. Open the charging port.
2. Insert the charger vertically into the AC charging port.
  - Do not shake the charger to insert it.
  - When inserting the charger, do not press the charger unlock switch, insert the charger vertically, and when hearing a “click” during the inserting, it means that the charger has been inserted in place.
3. When charging is completed, tap “**End Charging**” in the Energy Center on the CID, press and hold the Unlock button on the charger, and pull out the charger.

### **caution**

- If the charger still cannot be pulled out after unlocking, please push the charger

into place again and retry the above unlocking operation before pulling it out again, do not use violence to avoid damaging the charging device and the vehicle.

### **warning**

- The relevant regulations of the charging station must be followed for AC charging.
- Make sure the charging pile meets the relevant standards before charging.

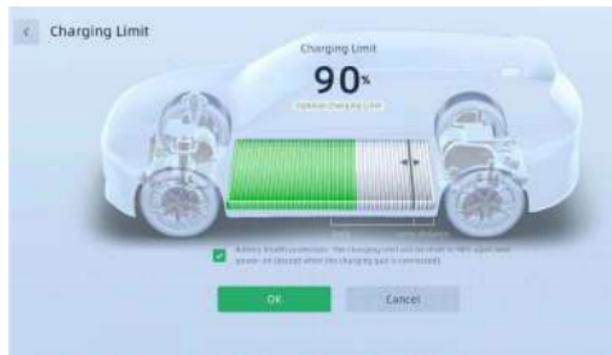
## Emergency Unlocking for AC Charging

After unlocking the vehicle multiple times, if the AC charger still cannot be pulled out, the AC charger can be pulled out as follows:



1. Open the trunk and locate the air vent cover located on the right side of the trunk and use the appropriate tool to open the cover at the opening.
2. Find the AC charging emergency unlock pull ring, pull it to unlock and pull out the AC charger.

## Charging Limit



In order to protect the health of the battery, the vehicle is equipped with a charging limit function. Some models will not fully charge when charging. If there is a need for long-distance use, the charging limit can be set on the charging limit interface.

### **i** Tips

If the Battery Health Protection is checked, the charging limit will return to the default value after the vehicle is powered on again.

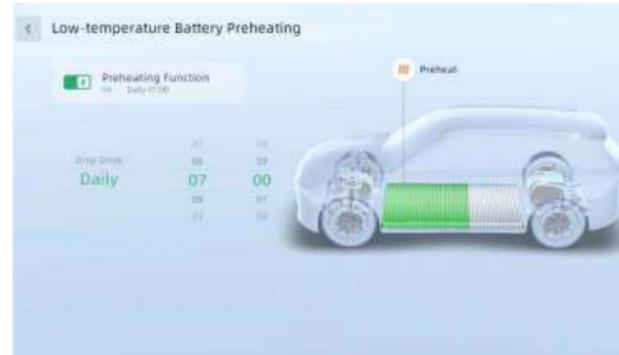


The charging limit for models equipped with ternary lithium batteries is 90%, and the charging limit for models equipped with lithium iron phosphate batteries is 100%.

## Low-temperature Battery Preheating Function

The low-temperature battery preheating function can heat the battery pack in cold weather with electricity from the charging pile, and when the battery is heated to the right temperature, it will be able to effectively improve the vehicle's range in cold conditions.

When the battery preheating function is turned on, it is necessary to connect the AC charging pile, and at the same time ensure that the charging pile is in normal working condition.



Tap “ → **Low-temperature Battery Preheating**”, or directly open the XPENG App to turn on the low-temperature battery preheating function, and set the preheating time.

In addition to the above methods, operator can also directly tap to enable the Immediate Preheating function.

### **caution**

- It is recommended to use the vehicle as soon as possible after the traction battery



preheating is completed. Parking for a long time will reduce the heating effect.

- If the temperature of the traction battery is high, the low-temperature battery preheating function will not be activated.
- If a slow charging appointment is used at the same time, please make sure to set the preheating time later than the charging appointment.
- This function will slightly increase the power consumption of the charging pile, please use it as needed.
- If the activation fails, please check whether the activation conditions of the function are met. If there is an abnormal situation, please contact the XPENG Service Center.

## **i** Tips

- When charging at low ambient temperatures, the system will prioritize heating the traction battery and then charge it normally after the traction battery temperature is normal, so

the charging time will be slightly longer than normal.

- When the indication information shows that the charging is abnormal, you can try to re-operate the charging steps, restart the whole vehicle, and switch to other charging piles. Do not repeatedly plug and unplug the charger and manipulate the charging pile operation interface. If you still cannot charge normally, please contact XPENG Service Center for inspection and repair.
- It is recommended not to turn on the air conditioning system during AC charging.

## DC Charging

Charging with DC provides fast charging time. Charging operation:

1. Open the charging port.
2. Insert the charger vertically into the DC charging port.
3. Observe the charging indication information.



- When charging is completed, tap “**End Charging**” in the Energy Center on the CID, press and hold the Unlock button on the charger, and pull out the charger.

### Tips

If charging with a non-XPENG branded 800V charging pile, minor shake may happen to the vehicle when charging is stopped, which is normal.

### Temperature Control before Fast Charging

After this function is turned on, when the navigation destination is a fast charging station, the vehicle will control the temperature of the traction battery in the optimal charging range to shorten the charging time.



Temperature Control Before Fast Charging

Tap “→**Other Functions**” in turn to turn on or off the temperature control function before fast charging.

### warning

- The relevant regulations of the charging station must be followed for DC charging.
- Make sure the charging pile meets the relevant standards before charging.

### Slow Charging Appointment Charging

The charging appointment function allows the vehicle to start charging at a specified time and automatically stop when it is fully charged (or reaches the limit).

Follow the steps below to make a charging appointment:



1. Tap the CID status bar  to enter the Energy Center interface.
2. Tap the Charging Appointment switch button to enter the Charging Appointment interface.
3. Set the charging appointment time.
4. Open the charging port.
5. Remove the charger on the AC charging pile and insert it vertically into the AC charging port to enter the charging appointment.

## i Tips

- Charging time is extended by ambient temperature, traction battery life and other factors.
- In some special operation status (such as not pulling out the charger after charging for a long time), in order to save the power, the automatic cover closing function will be temporarily closed when the charger is pulled out, please pay attention to close the cover of the charging port in time, to avoid the entry of rain, snow or other foreign objects.
- When charging at low ambient temperatures, the system will prioritize heating the traction battery and then charge it normally after the traction battery temperature is normal, so the charging time will be slightly longer than normal.



- When the indication information shows that the charging is abnormal, you can try to re-operate the charging steps, restart the whole vehicle, and switch to other charging piles. Do not repeatedly plug and unplug the charger and manipulate the charging pile operation interface. If you still cannot charge normally, please contact XPENG Service Center for inspection and repair.
- Priority allocation of air conditioning system power to battery heating during AC charging may result in no air conditioning cooling/heating.
- Due to differences in the understanding of charging standards by charging pile manufacturers of various brands, and the different levels of maintenance of charging pile products, there may be cases where individual charging piles cannot be successfully charged. If you encounter this phenomenon, please try to reinsert the charger or switch to other charging piles for charging.

### Charging Precautions

- When taking the charger out of the charging pile, please hold the charger firmly with both hands to prevent the twisted charging cable from bouncing back and hitting the operator, causing injury.
- Before charging, please check whether the charging port, charger, charging plug and other equipment are dry. It is forbidden to charge when the charging equipment or hands are wet.
- During the charging, the charging cable must be straightened and not twisted.
- If the charging equipment is corroded or damaged, such as the metal terminal of the charging gun is deformed or skewed, the plastic body of the plug is deformed or ruptured and other abnormal conditions, charging is prohibited.
- In case of emergency during charging, press the emergency stop button on the charging device to stop charging.



- When there is a thunderstorm, it is recommended to stop charging the vehicle, as lightning may cause damage to the charging equipment.
- It is recommended to choose a charging pile with a cool, sheltered canopy to avoid rain or snow splashing in when unplugging the charger head.
- When inserting/pulling out the charger, the vehicle needs to be unlocked, and the charger should be inserted/pulled vertically, and oblique insertion and shaking are prohibited.
- During charging, if the charging port continues to emit a strong irritating odor, stop charging immediately.
- It is strictly forbidden for minors to touch or use charging equipment.
- If foreign objects such as dust or large particles of hard objects are found on the metal jack of the charging port house, the charger or the charging plug, please clean the vehicle after power-off and then charge it.
- If you have implanted electronic equipment such as cardiac pacemaker or cardiovascular defibrillator, internal analgesic pump, insulin pump, hearing aid, etc., please do not stay in the vehicle or enter the vehicle to retrieve items when the vehicle is charging, otherwise the function of the electronic medical device may be affected, resulting in personal injury or death.
- Do not disassemble or refit the charging port or charging cable.
- After charging, please pay attention to close the charging port cover in time to avoid the entry of rain, snow or other foreign objects.

## AC charging

### Brief Description

The electricity of the traction battery can be used by other electric appliances via discharge equipment. The discharge voltage is 230V and the maximum power is 3.3 kW.



### Charging Instructions

1. Open the charging port.
2. Plug-in charger and vehicle alternating current charging port.
3. Tap **“Start Charging”**.
4. Tap **“Stop Charging”** when the charging is complete.
5. Press and hold the unlock button of the charger to pull out the charger.

#### Tips

- Set charge limit to stop charging automatically when the traction battery SOC reaches its limit.
- When the SOC is lower than 20%, the external charging function is not applicable.

#### warning

- It is strictly forbidden to use the alternating current charging function when the external electric appliance or charger is damaged.

- It is strictly forbidden to let minors touch or use the charger, and do not let minors approach the charger when it is in use.
- Please immediately stop using the alternating current charging function when the charging is abnormal.
- It is strictly forbidden to touch the charger connector pins of the electrical consumer and the charging port holes.
- It is strictly forbidden to use counterfeits and medical or health care electronic devices.

### Energy Regeneration

#### Brief Description

When the vehicle is sliding or braking, the energy recovery function can convert part of the vehicle's kinetic energy into electric energy to charge the traction battery and extend the range.



## Sliding Energy Recovery

The gas pedal and brake pedal should be in a released status when the vehicle applies energy recovery during sliding.

## Braking Energy Recovery

The driver presses the brake pedal to apply brake energy recovery.

## Factors Affecting Energy Recovery

The electric quantity supplied through energy recovery to the traction battery is determined by the following factors:

1. The electric quantity and temperature of the traction battery.
2. Energy recovery level:
  - Tap “→**Drive Mode**” in turn to choose the energy recovery level.

### **i** Tips

If the energy recovery brake application significantly decelerates the vehicle speed

(e.g. moving on a steep slope), the brake light will be turned on to remind the following drivers that you are decelerating.

### **!** caution

The brake application deceleration through energy recovery can not replace the brake application required to ensure safety. Therefore, the driver should timely apply brake to the vehicle according to the practical situation.



### Environment Simulation Display System

#### Function Introduction



The environment simulation display system is an essential part of the assistive driving system. It simulates and displays the external environment through the ICM, including the lane lines and other traffic participants.

#### warning

- The environment simulation display system is an auxiliary function. It can not work in all situations such as driving conditions, traffic, weather, and road conditions. It can neither

replace driving concentration and precise judgment, nor replace the observation of the driver on road conditions and other traffic participants. Make sure to observe the road conditions during driving, and do not just rely on the environment simulation display, or there may be severe body injury or death.

- The detection scope of the corresponding camera and sensor of the environment simulation display system is limited, and road conditions and weather conditions may adversely affect the detection. Therefore, please make sure to drive carefully.

#### Service Restrictions

The environment simulation display system can not always monitor various objects, vehicles, riders, or pedestrians, nor can precisely display all conditions of the surrounding environment. Furthermore, there is a possibility of display mistakes, for example:

- The vehicle is moving on a road with large turnings or bad road conditions.



- Dark (poor light) or low visibility (due to heavy rain, heavy snow, heavy fog, and others).
- When the hard light (for example the headlamp light or the direct sunlight) interferes with the camera's field of view.
- The windscreen blocks the camera's field of view (blocked by water mist, dust, or sticker).
- The camera is subject to the limit. [See 20 page](#)
- A certain type of object is mistakenly displayed as another type of object.
- An object is simulated and displayed in the wrong direction and distance.

The above example, warning, and limit do not describe all conditions that affect the normal operation of the environment simulation display system.

## Adaptive Cruise Control (ACC)

### Function Introduction

The adaptive cruise control function can control the vehicle to move following the preceding vehicle at the set distance. If there is no target vehicle ahead, the function will control the vehicle to move according to the set cruise vehicle speed.

#### **i** Tips

- The cruise vehicle speed range is set as 30~130 km/h.
- When moving following the preceding vehicle, the ACC can still be applicable at low speed. When the preceding vehicle stops, the current vehicle also stops, and it can start to move when the preceding vehicle starts to move.
- The brake light will be turned on to remind other road users that you are decelerating when ACC actively decelerates to keep a distance from the preceding vehicle.



- The accelerator pedal will not move when ACC is controlling the vehicle acceleration.

### The driver needs to timely respond to the request to take over the vehicle

When ACC needs the driver to take over the vehicle, it will send a takeover request prompt to the driver through the ICM, and there will be an alert sound at the same time.

When the ICM displays request words such as “**dangerous, please press the brake pedal for a takeover**”, the driver should take over the vehicle immediately to prevent it from danger.

### ICM Indicator Light

Learn about the ACC function status through the ICM indicator light:



ACC can be activated if the ACC activation condition is met.



If the ACC is activated, the value displayed on the indicator light is the current set cruise vehicle speed.



ACC malfunctions.



#### caution

Please contact XPENG Service Center for an inspection and repair in case the ACC malfunctions.

# Assisted Driving



## Operation Instructions

### Activate the Adaptive Cruise Control (ACC)



The ICM indicator light (80) will be gray when the ACC is activated.



3

Move down the gearshift lever to the extreme position to activate the function, and the ICM indicator light (80) will be blue.

ACC can be activated when the following conditions are met:

1. The vehicle gear is at D.



2. The vehicle speed is equal or faster than 30km/h but slower than 130km/h (no preceding vehicle).
3. The brake pedal is not pressed.
4. There is no abnormal alarm on the dashboard.
5. The vehicle is not in automatic parking status.
6. The four doors, the bonnet, and the trunk lid are in closed status.

### Adjust the Cruise Vehicle Speed



3

The roller at the left of the steering wheel can be used to set the cruise vehicle speed. Rolling up means acceleration, and rolling down means deceleration.



## i Tips

- When slowly moving the roller, the cruise vehicle speed changes by 1km/h; When quickly moving the roller, the cruise vehicle speed changes by 5km/h.
- The vehicle speed can be temporarily accelerated by pressing the accelerator pedal. If the gearshift lever is moved down after the vehicle speed is accelerated, the current vehicle speed can be set to a new cruise vehicle speed; or the vehicle speed will decelerate to the cruise vehicle speed set earlier if the accelerator pedal is released.

## Adjust the Vehicle-following Distance



The vehicle-following distance gear can be set by the left/right button at the left of the steering wheel, and there are 5 gears to choose from.



The ICC will display when setting the vehicle-following distance.

### **i** Tips

There is a memory function for the vehicle-following distance setting. The vehicle-following distance is at the gear set earlier when the ACC is restarted.

### **Exit & Restore ACC**

Press brake pedal to exit the cruise during the cruise to take over the vehicle.

Move the gearshift lever downward to reactivate the cruise when the ACC activation conditions are met after exiting the cruise.

### Turn Off ACC



Turn off the ACC by moving the gearshift lever upwards.



## Service Restrictions

### **caution**

- ACC can only control the vehicle speed rather than controlling the moving direction of the vehicle.
- If the driver discovers hazards, make sure not to wait to take over the vehicle after the takeover request is sent. Please take over the vehicle immediately.
- When ACC is canceled, the energy recovery will decelerate the vehicle, and the deceleration method will be the same as when releasing the accelerator pedal in case of no ACC.
- Make sure always to keep an eye on the traffic situation and road conditions, and spontaneously decide whether to use ACC under the condition of ensuring safety. When using ACC, you should be ready to take over the vehicle at any time if the traffic conditions, road conditions, or vehicle conditions are not suitable for this function,

or if there are other unsafe factors. You always bear the ultimate responsibility to keep a proper following distance and vehicle speed, and be in line with the current traffic laws and regulations.

### **warning**

- ACC is an assistive driving function, which is not able to deal with all traffic, weather, and road conditions.
- Please read all sections about ACC in this manual to know its restrictions. Drivers should master these restrictions before using this function.
- ACC is designed for driving comfort and convenience, which does not belong to the crash warning or avoidance systems. The driver has the responsibility to keep vigilant, drive safely, and control the vehicle at any moment. Please do not rely on the system to fully decelerate the vehicle speed, make sure to keep an eye on the preceding road conditions and be ready to take any



corrective measures at any time. Or there may be severe injury or death.

- In case there are pedestrian targets, make sure to keep an eye on the preceding road conditions and be ready to take any corrective measures at any time. Or there may be severe injury or death.
- Please do not use ACC on curving roads with sharp turnings (e.g. S turning, continuous U shape turning, and others), on icy or slippery roads, or in weather conditions (e.g. Heavy rain, heavy snow, and heavy fog) which are not suitable for driving at a constant speed. ACC is not able to adjust the moving speed based on the road and driving conditions.
- When other vehicles suddenly move fast, or move from a near distance to the ahead of the current vehicle, a preceding vehicle suddenly decelerates, and a turning vehicle or crossing vehicle moves to the road ahead, ACC is not able to timely apply brake/deceleration.

- ACC may occasionally lead to a brake application when there is no need for a brake or it is not intended to apply a brake. This may be due to the distance with the preceding vehicle being too close, the detection of vehicles or objects in the adjacent lane (especially on a curving road), and other conditions.
- You have the responsibility to determine and always keep a safe following distance, and do not rely on ACC to maintain accurate or proper following distance. Especially when driving in a tunnel or at night, and there are trucks and buses in the adjacent lane, the driver should keep high awareness when following a vehicle loaded with overlong goods.
- ACC is a function for comfort, not for crash avoidance function, thus there is a limit for its maximum deceleration which is less than the maximum deceleration that can be requested at an automatic emergency braking and at driving. Please do not rely on



ACC to fully decelerate the vehicle speed avoiding crashes. Make sure to keep an eye on the preceding road conditions and be ready to take any corrective measures immediately at any time.

- Please do not use ACC when driving on urban roads or in varying road conditions.
- For stationary vehicles or objects (e.g. Road obstacles), especially when the preceding vehicle left your lane and a stationary vehicle or object appears ahead, ACC may not be able to apply brake/deceleration because it is not able to detect all objects. Make sure to pay attention to the preceding road conditions and be ready to quickly take corrective measures. A high reliance on ACC may be severe bodily injury or death. In addition, ACC may react to vehicles or objects that do not exist or are not in your driving lane, which may lead to unnecessary or improper deceleration.
- Due to limited braking capability and the vehicle driving on a slope, ACC may not

be able to offer enough speed control and may also misjudge the distance from the preceding vehicle. The moving speed will be accelerated when driving downhill, which leads to the vehicle speed exceeding the set speed (it may also be a road speed limit). Please do not rely on ACC to fully decelerate the vehicle to avoid a crash. Make sure to keep an eye on the road conditions and be ready to take the right measures as needed. A reliance on ACC to fully decelerate the vehicle to avoid a crash may be severe bodily injury or death.

### warning

The below actions are forbidden for using this driving system:

- Completely rely on ACC.
  - Use ACC in an environment where there are many pedestrians, bicycles, or animals.
- Two hands are off the steering wheel.
- Take your eyes off the road.



- The below targets will not be reacted, including but not limited to:
  - People and animals.
  - Traffic light.
  - Wall and road barrier.
  - Bicycle, motorbike, and tricycle.
  - Other non-vehicle objects.
  - Targets in the blind zone of the sensor.

### warning

The below conditions may lead to camera recognition deficit and radar recognition deficit, which may affect the ACC work performance and contribute to exit the function, including but not limited to:

- The camera installation location has been changed.
- The camera is blocked or dirty.
- The recognition ability at night is reduced, and in a dim environment, for example, at dawn, at dusk, at night, or in a tunnel.

- The surrounding environment brightness changes suddenly, for example, at the tunnel entrance or exit.
- Large shadows that cast by buildings, landscapes, or large vehicles.
- The camera is illuminated directly by light.
- There is water, dust, micro scratches, oil, dirt, windscreen wiper, ice, and snow on the windscreen ahead of the camera.
- The radar is misplaced or blocked, or there is soil, ice, snow, metal plate, sticker, tag, or leaves on it.
- The radar or the surrounding area is hit due to vehicle crashes and scratches.

### warning

The below conditions may restrict the ACC functions, and the driver must pay extra attention to that, including but not limited to:

- There are many vehicles in parallel when approaching or passing a turning.



- Targets may be lost or misjudge the distance from the preceding vehicle when driving on a slope. The moving speed will be accelerated when driving downhill, which leads to the speed exceeding the cruise vehicle speed.
- When only the partial body of the vehicle in the adjacent lane move to the ahead of the current vehicle, especially large vehicles like bus and truck, it may not be able to recognize the reaction.

ACC may exit or fail to be used in the situations below:

- The brake pedal is pressed.
- The driving speed exceeds 130km/h.
- The vehicle shifts to another gear.
- The seatbelt of the driver is released.
- A vehicle door is open.
- The front hood is open.
- The radar is blocked or blind. Blindness due to the obscure by dirt, water spots, ice, and

snow, or due to light illumination, dimness, and others.

- Anti-lock braking system (ABS) is activated.
- Electrical Parking Brake (EPB) is activated.
- Traction Control System (TCS) is activated.
- Automatic Emergency Braking (AEB) is activated.
- Airbag releases.
- The tire pressure value is abnormal.
- There is a fault in the system and a repair is needed.
- The wiper is at gear HI.

When ACC can not be used or canceled, the vehicle will no longer drive stably at a set speed and will no longer maintain a specified distance from the preceding vehicle.

ACC may be canceled accidentally at any time due to any unknown reason. Make sure to observe the preceding road conditions and be ready to take proper measures. It is the driver's responsibility to always control the vehicle.



ACC is not applicable in the situations below:

- There are sharp turnings, continuous turnings, or bad road conditions, for example, slippery or icy roads.
- ACC is not able to detect pedestrians.
- ACC is not able to detect the vehicle or object on the other side of the slope.
- The preceding vehicle is equipped with objects that are beyond its body.
- Construction and accident sections.
- ACC is not able to recognize the vehicle driving in the opposite direction.
- The radar is restricted.
- The radar is blocked (dust and cover, etc.) or in bad weather conditions (for example, heavy rain, heavy snow, and heavy fog).

The above example, warning, and limit do not describe all conditions that affect the normal operation of the ACC.

### Adaptive Turning Cruise (ATC)

#### Function Introduction

The adaptive turning cruise control function acquires the curvature of the ahead road through the camera and map. When ACC is turned on and the vehicle follows the lane lines or the preceding vehicle for a turning, the comfort and stability of the turning are improved by adjusting the vehicle speed.

#### **i** Tips

The adaptive turning cruise control is activated automatically after the adaptive cruise control is turned on, and manual operation is not needed.

#### Service Restrictions

The alert and use limitations of ACC are also applicable to ATC. Please refer to the alert and limitations of ACC [See 46 page](#).



## Speed Assist System (SAS)

### Function Introduction

Intelligent speed limit assistive function includes traffic sign recognition (TSR), over-speed alarm, and automatic speed limiter(ASL).

### Traffic Sign Recognition (TSR)



TSR acquires the speed limit information by recognizing the speed limit sign on the road and combining navigation, and displays it on the ICM.

Signs can be recognized by TSR: speed limit sign, variable speed limit sign, speed limit cancellation sign, regional speed limit sign, multi-

lane speed limit sign, multi-speed limit sign, and highway exit ramp speed limit sign.

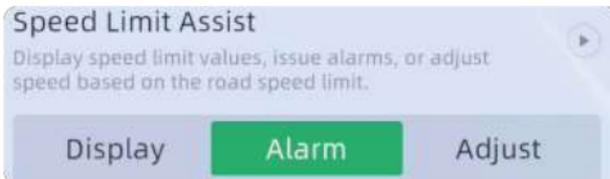
### Over-speed Alarm

When TSR recognizes the speed limit signs on the road and the vehicle speed is faster than the speed limit, the speed limit symbol on the ICM will keep flashing for an alert.

### Automatic Speed Limiter (ASL)

When the adaptive cruise control is turned on, ASL will assist the driver in adjusting the cruise vehicle speed if TSR recognizes new speed limit information on the road.

### Operation of Functions





Tap “ →XPILLOT” in turn on the CID to select the assistive mode for the intelligent speed limit assist.

Disabled: For turning off ASL only, the speed limit alarm and TSR are still turned on.



Manual: When the TSR recognizes new speed limit information, there will be an alarm on the ICM. Move down the gearshift lever to set the cruise vehicle speed to the speed limit on the road.

Automatic: When the TSR recognizes new speed limit information, the ASL will automatically set the cruise vehicle speed to the speed limit on the road.

### Service Restrictions

SAS may not be able to fully perform its function or may provide inaccurate information in the situations below:

- The camera is subject to the limit. [See 20 page](#)
- There is a recent change on the road or the speed limit, for example, construction, restriction, and others.
- Traffic signs are in bad condition: damaged, faded, vague, or not placed or set according to requirements.

The above example, warning, and limit do not describe all conditions that affect the normal operation of the SAS.

### Lane Centering Control (LCC)

#### Function Introduction

LCC is an assistive driving function for comfort, which can assist the driver in controlling the



steering wheel to keep the vehicle centering in the current lane.

## warning

After the LCC is activated, hands should be put on the steering wheel and keep focusing on the ahead road conditions and vehicles. When the function can not run well due to unclear lane lines, rain, low visibility, or other reasons, take over the vehicle in time.

## ICM Indicator Light

Learn about the LCC function status through the ICM indicator light:



LCC can be activated if the LCC activation condition is met.



LCC is activated.



LCC exit will be delayed.

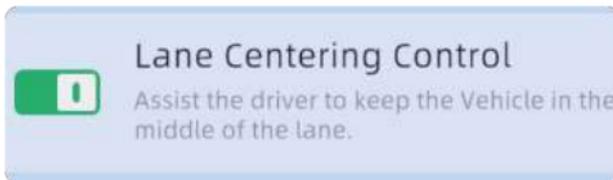


XPILOT

There is a fault in LCC.

## Operation of Functions

### Turn On Lane Centering Control



Tap “ →XPILOT” in turn on the CID to turn on or turn off the lane centering control.



## Activate Lane Centering Control



The ICM indicator light  will be gray if the LCC activation condition is not met.



Continuously move the gearshift lever downwards to the bottom two times at this moment to activate the LCC function.

After the LCC is successfully activated, the ICM indicator light  will be blue and there will be an alert sound simultaneously.



## i Tips

LCC can assist the driver in controlling the steering wheel and the vehicle speed is still controlled by the adaptive cruise control.

## Take Over the Lane Centering Control

When LCC detects that the driver does not hold the steering wheel by hands, a takeover request will be sent via ICM. Meanwhile, there will be an alert sound for takeover requests.



When the ICM displays request words such as **“Please slightly turn the steering wheel”**, **“Please take over right now”**, the driver should hold the steering wheel immediately and take

over the steering wheel if necessary to avoid danger.

After LCC detects that the driver holds the steering wheel by hands, it will stop sending takeover request alerts. If the driver ignores the takeover alert and fails to take over the steering wheel immediately, LCC will exit, and can not be used in this driving cycle anymore. After the vehicle restarts, LCC can be activated again.

## ⚠ warning

If the driver discovers hazards, make sure not to wait to take over the vehicle after the takeover request is sent. Please take over the vehicle immediately.



### Turn Off the Lane Centering Control



LCC function will be turned off by moving the gearshift lever upwards to the R/N gear, and the ICM indicator light  will be gray then.

### Service Restrictions

#### warning

Please read all LCC information in this manual, and you should know these restrictions before using this function.

- LCC is an assistive driving function, which is not exactly an automatic driving function. When LCC is activated, the driver should always hold the steering wheel in order to take over the vehicle in case of potential risks.
- The LCC will exit if the driver does not focus on driving for a long time.
- LCC is designed for comfort and convenience, which is not able to deal with sudden hazards. The driver has the responsibility to keep vigilant, drive safely, and control the vehicle at any moment. Please do not rely on the system to deal with sudden emergencies. Make sure to keep an eye on the preceding road conditions and be ready to take any



corrective measures at any time. Or there may be severe injury or death.

- Please be prudent in using LCC on the congested road because the behaviors of other vehicles (for example, other vehicles jumping the queue to move to be ahead of the current vehicle, or crossing the preceding road, the preceding vehicle leaving the current lane, and others) may interfere the LCC to mistakenly make a turning, which may lead the current vehicle scratch other vehicles or even a crash. The driver has the responsibility to timely take over the vehicle to avoid a crash.
- Please do not use the LCC when driving on urban roads or when there are varying road conditions.
- LCC is not able to deal with all traffic, weather, and road conditions. Please do not use the LCC in bad weather conditions (e.g. Rain, snow, fog), or use the LCC in sections where there may appear pedestrians or riders.

- Please do not use the LCC when driving on a curving road with sharp turnings, or bumpy, icy, or slippery roads. The LCC system is not able to steadily assist direction control under such bad road conditions.
- LCC occasionally assists the vehicle in turning when you do not need turning assist or when you do not intend to turn. The reason may be that the lane line is unclear or irregular, or there are other lines or objects similar to the lane line on the road. You should timely take over the vehicle at this moment.
- LCC may fail to work when the preceding lane line changes sharply, for example, lanes merging, lane suddenly becomes wider or narrower. You should take over the vehicle when approaching such similar sections, and do not rely on LCC to deal with such conditions.
- When driving on a curved road, you should hold the steering wheel by your hands and



take over the vehicle in case LCC fails to work.

- Please do not use the LCC when the road is merging or diverging.
- When it fails to use or cancel LCC, the system will not be able to assist the driver in keeping the vehicle centering in the current lane.
- It may lead to abnormal LCC work if a vehicle from a short distance quickly switches lanes in a sudden to move to the preceding of the current vehicle. The driver should timely take over the vehicle at this moment.
- LCC may exit accidentally at any time due to any unknown reason. Make sure to keep an eye on the preceding road conditions and be ready to take proper measures. It is your responsibility to always control the vehicle.
- Please do not use LCC when the vehicle is in bad condition, for example, abnormal four-wheel alignment, abnormal tire pressure, and others.

- LCC may not be able to work normally at a junction, and may apply unintended turning control which may lead to unanticipated hazards, for example, scratching other vehicles or even a crash at the junction. Therefore, please do not use LCC at junctions.
- The road guardrail, fencing, or curb stone at one side of the road may interfere with the sensors, which may lead to LCC abnormal work. The driver should timely take over the vehicle at this moment.
- For the sections where the lane line is vague, disappeared, or covered, it may lead to an abnormal turning caused by LCC when the preceding vehicle is turning or a vehicle crossing the road ahead.
- When the lane line disappears or interrupts, the driver should timely take over the vehicle to avoid unanticipated hazards by the failed or abnormal LCC.
- The below actions are forbidden for using this driving system:



- Completely rely on this system.
- Use it when the lane line is unclear or in poor light conditions.
- Use this system in an environment where there are many pedestrians, bicycles, or animals.
- Two hands are off the steering wheel.
- Take your eyes off the road.

### warning

The below conditions may lead to camera recognition deficit and radar recognition deficit, which may affect the LCC work performance and contribute to exit the function, including but not limited to:

- The camera installation location has been changed.
- The camera is blocked or dirty.
  - The recognition ability at night is reduced, and in a dim environment, for example, at dawn, at dusk, at night, or in a tunnel.

- The surrounding environment brightness changes suddenly, for example, at the tunnel entrance or exit.
- Large shadows that cast by buildings, landscapes, or large vehicles.
- There is water, dust, micro scratches, oil, dirt, wiper, ice, and snow on the windscreen ahead of the camera.
- The radar is misplaced or blocked, or there is soil, ice, snow, metal plate, sticker, tag, or leaves on it.
- The radar or the surrounding area is hit due to vehicle crashes and scratches.
- Due to the target feature recognizing restrictions for the radar, it may mistakenly generate an alarm about certain metal fencing, green belts, and concrete walls on very few special occasions.

LCC may exit or fail to be used in the situations below:

- ACC exits or fails to be activated.



- The brake pedal is pressed.
- Manually control the steering wheel.
- The driving speed exceeds 130km/h.
- The lane conditions are not met.
- The vehicle shifts to another gear.
- The seatbelt of the driver is released.
- A vehicle door is open.
- The camera is blocked or blind. Blindness due to the obscure by dirt, water spots, ice, and snow, or due to light illumination, dimness, and others.
- The tire pressure monitoring system alarms.
- The wiper is at gear HI.
- There is a fault in the system and a repair is needed.
- The road grade is not met.
- The system detects that the driver is losing attention or tired.
- Dark (poor light) or poor visibility (due to heavy rain, heavy snow, heavy fog, and others).

LCC is not applicable in the situations below:

- There are sharp turnings on the road or bad road conditions, for example, bumpy, slippery icy, or waterlogged roads.
- There are fencing, road edge, zebra crossing, and arrow at the junction of slopping roads, uphill or downhill sections, turning on the highway, or sharp turning sections
- The lane is too wide or too narrow.
- The road where pedestrians or riders may appear.
- When the hard light (for example the headlamp light or the direct sunlight) interferes with the camera's field of view.
- The camera's field of view, or the lane lines are blocked by the preceding vehicle.
- The camera's field of view (blocked by water mist, dust, or sticker) is blocked by the windscreen.
- There are no lane lines, or the lane lines are excessively worn or obscured,



covered, disappeared, temporarily adjusted due to road construction, or change quickly (for example, lane diverging, crossing, or merging). Special lane changing occasions such as lane diverting, diverging, distribution area, and the lane becomes wide.

- There are words or traffic signs on the surface of the road, or there are interfering factors such as dense words, traffic signs, asphaltic oil, braking marks, tire marks, water ruts, and others.
- There are large vehicles such as trucks and buses at the side or ahead.
- Objects or landscape features are casting strong shadows on the lane.
- There are words or traffic signs on the surface of the road.
- The radar is restricted.
- The camera is subject to the limit.
- The radar or camera is blocked (dust and cover, etc.) or bad weather conditions (for

example, heavy rain, heavy snow, and heavy fog).

- Road edges made from traffic cones, water-filled barriers, and cement piers.
- The LCC performance will be affected when there is large lateral airflow or strong wind at one side of the vehicle. LCC is not suitable to be used under such weather conditions.

The above example, warning, and limit do not describe all conditions that affect the normal operation of the LCC.

### Automatic Lane Change (ALC)

#### Function Introduction

After lane centering control is activated, ALC can assist the driver in changing lanes based on the lane changing directive of the driver.



### Operation of Functions

#### Turn On or Turn Off Assist Lane Change



Tap “ → XPILOT” in turn on the CID to turn on or turn off Assist Lane Change.

#### Tips

Assist Lane Change can only be turned on after turning on Lane Centering Control.

#### Using of Assist Lane Change



1. Check the environment for lane changing to make sure the current lane changing is safe and proper. Turn on the lane changing lamp or turning lamp if lane change safety is confirmed.
2. ALC will assist in changing lanes and the ICM will display the lane changing process.

#### Tips

If there are vehicles that affect the lane changing, the target lane will be displayed as light yellow and the vehicles that affect the lane changing will be displayed as red. If the practical situation is not suitable for lane changing, the lane line will be displayed as light yellow. When the lane changing is canceled, there will be words for an alert on the dashboard.

3. The driver should always pay attention to the lane changing environment during the lane changing, and timely take over the vehicle if necessary. LCC will continue working to assist the driver in keeping the vehicle at the center



of the lane after the vehicle moves to a new lane.

### **i** Tips

ALC can only assist the driver to change one lane each time, and can not change the lane continuously. The above operation should be repeated for another lane changing.

### Service Restrictions

#### **! warning**

Please read all the information about ALC in this manual to know its restrictions. Drivers should master these restrictions before using this function.

- ALC is an assistive driving function, and it is not able to realize automatic driving. When ALC is activated, the driver should always pay attention to the safety of lane changing in order to take over the vehicle in case of potential hazards.

- ALC is not able to deal with all traffic, weather, and road conditions. Please do not use the ALC in bad weather conditions (e.g. rain, snow, fog), or in sections where there may appear pedestrians or riders.
- Please do not use ALC when there are vehicles at the side front of the current vehicle or in the adjacent lane, or there may be a crash.
- During using ALC, if other vehicles change lanes simultaneously or the lane they intend to shift into is just the same lane that you are intended to shift into, the function is not able to avoid the crash risk at this moment. The driver should always pay attention to the safety of lane changing and timely take over the vehicle to avoid a crash. The driver is fully responsible for the safety of lane changing.
- Please do not use ALC when the vehicle is in bad condition, for example, abnormal four-wheel alignment, abnormal tire pressure, and others.



- Please do not use the ALC at the ramp, merging, and diverging position of a highway or other types of roads.
- Please be prudent in using ALC at turning sections because the system may not be able to support lane changing assist.
- ALC is designed for comfort and convenience, which is not able to deal with sudden hazards. The driver has the responsibility to keep vigilant, drive safely, and control the vehicle at any moment. Please do not rely on the system to deal with sudden emergencies. Make sure to keep an eye on the preceding road conditions and be ready to take corrective measures at any time. Or there may be severe injury or death.
- Please do not use ALC when driving on urban roads or in varying road conditions.
- Please do not use the ALC when driving on a curving road with sharp turnings, or bumpy, icy, or slippery roads. The system is

not able to stably assist lane changing in such bad road conditions.

- ALC may occasionally recognize the conditions suitable for lane changing as conditions not suitable for lane changing, and you should manually change the lane at this moment.
- Please be prudent in using ALC in sections with large traffic flow because ALC may not be able to accurately detect the environment for lane changing.
- Please do not use ALC in sections where there are solid lane lines or where the lane changing is restricted.
- When using ALC, the driver must immediately take over the vehicle if other vehicles approaching the current vehicle. ALC is not able to avoid the potential crash.
- Please do not use ALC when there are other vehicles in the blind area at the side rear of the current vehicle or in the lane changing route.



- ALC may exit accidentally at any time due to unknown reasons. Make sure to keep an eye on the road safety conditions and be ready to take proper measures. The driver is always responsible for the safety of lane changing.

ALC is not applicable in the situations below:

- There are sharp turnings, or bad road conditions, for example, slippery or icy roads.
  - Drive on an inclined road.
  - The road where pedestrians or riders may appear.
  - Dark (poor light) or poor visibility (due to heavy rain, heavy snow, heavy fog, and others).
  - When the hard light (for example the headlamp light or the direct sunlight) interferes with the camera's field of view.
  - The camera's field of view is blocked by the preceding vehicles.
- The camera's field of view (blocked by water mist, dust, or sticker) is blocked by the windscreen.
  - The lane lines are excessively worn or obscured, or covered, new line and old line overlap, temporarily adjusted due to road construction, or change quickly (for example, lane diverging, crossing, or merging).
  - Objects or landscape features are casting strong shadows on the lane.
  - There are warning cones, warning boards, or other objects on the road.
  - The radar is restricted.
  - The camera is subject to the limit.
  - The radar or camera is blocked (dust and cover, etc.) or bad weather conditions (for example, heavy rain, heavy snow, and thick fog).
  - The ALC performance will be affected when there is large lateral airflow or strong wind at one side of the vehicle. ALC is not suitable to be used in such weather conditions.



The above example, warning, and limit do not describe all conditions that affect the normal operation of the ALC.



## Forward Collision Warning (FCW & AEB)

### Function Introduction

Forward collision warning function includes frontal collision warning (FCW) and Automatic Emergency Braking (AEB), which can reduce the risk of a crash or slow down the speed during the crash to improve the vehicle's driving safety.

#### warning

Forward collision warning is an assist function only, which is not able to assist the driver on all occasions. It can only minimize the frontal crash impact by trying to lower the vehicle speed within the system limit. The system will delay starting to avoid unnecessary intervention. The driver often can only notice the function of the forward collision warning when a crash is about to occur. Please do not rely on the forward collision warning to replace the response the driver should apply.

### Function Activation



When the function detects that there is a risk of a crash with the preceding vehicle, it will remind the driver via the ICM and alert sound. If the crash risk is greater, the function will remind the driver via stab braking.



If the driver fails to apply the brakes in time or the braking force is too small, the automatic emergency braking will be started to alleviate or avoid the crash damage.

### **caution**

If the AEB stops the vehicle, the vehicle will remain stationary for a short time, and the

driver should take over the braking as soon as possible.

### ICM Indicator Light

Learn about the function status of the forward collision warning through the ICM indicator light:



Forward collision warning is off.



Forward collision warning malfunctions.

### **caution**

Please contact XPENG Service Center for an inspection and repair in case the forward collision warning malfunctions.



## Operation of Functions



### Forward Collision Warning

Forward Collision Warning and Braking Assistance.

Forward collision warning is turned on by default. Tap “ →XPILOT” in turn on the CID to turn on or turn off the forward collision warning function.

## Limitation and Error

### warning

Prior to using forward collision warning, the driver should read this section to know the relevant functions for the user guide and restrictions.

- The forward collision warning is an assistive function. It can not work in all situations such as driving conditions, traffic, weather, and road conditions, and can not replace driving concentration and precise judgment.

The driver is fully responsible for driving safety. Make sure to keep an eye on the road conditions during driving, and do not rely on the forward collision warning to alert or avoid a potential crash. Many factors may degrade or affect the performance, resulting in unnecessary, invalid, or inaccurate warnings, brake interventions, or omissions. It may lead to severe bodily injury or death if relying on a forward collision warning to alert or avoid a potential crash.

- Automatic emergency braking is not designed for crash avoidance. It can only minimize the impact of a frontal crash by trying to reduce the driving speed. A reliance on automatic emergency braking to avoid a crash may lead to severe bodily injury or death.
- The forward collision warning is designed only to alleviate the frontal crash, and it is not able to work when the vehicle is in reverse gear.



- The detecting scope of the associated cameras and radar for forward collision warning is limited. The road and weather conditions may impose an adverse influence on the area monitored by the forward collision warning. Make sure to drive carefully.
- When there is a visual, auditory, or tactile warning, the driver is responsible for immediately taking measures to prevent the vehicle from further danger. Do not rely on the intervention of automatic emergency braking.
- The forward collision warning may present an alert or apply braking in case there is no crash risk. Keep concentration, and always pay attention to the area in front of the current vehicle to anticipate whether to take any measures.
- It is highly recommended that do not turn off the forward collision warning function. If the function is turned off, the vehicle will not

be able to warn or assist in braking when a crash is likely to occur.

- If the camera or radar can not accurately detect road users such as pedestrians, riders, and vehicles due to traffic conditions or external influence, the warning and braking intervention may be delayed or completely not be executed.
- It may lead to braking interruption if the driver presses the accelerator pedal during the automatic emergency braking intervening in the vehicle braking.

### warning

- For pedestrians and two-wheeled vehicles, the forward collision warning (FCW) only works when the current vehicle is at a speed range from 27km/h to 85km/h; For vehicles, the FCW only works when the current vehicle is at a speed range from 27km/h to 150km/h.
- For pedestrians and two-wheeled vehicles, the automatic emergency braking (AEB) only



works when the current vehicle is at a speed range from 4km/h to 65km/h; For vehicles, the automatic emergency braking (AEB) only works when the current vehicle is at a speed range from 4km/h to 85km/h.

The forward collision warning can not always detect road users such as vehicles, riders, or pedestrians. Many reasons lead to unnecessary, unpunctual, or invalid warnings or warning omissions, for example,

- The current vehicle is moving on a road with large turnings or in bad road conditions.
- When other vehicles suddenly move fast, or move from a near distance to the ahead of the current vehicle, the forward collision warning is not able to timely apply warning/braking.
- Dark (poor light) or poor visibility (due to heavy rain, heavy snow, heavy fog, and others).
- When the hard light (for example the headlamp light or the direct sunlight) interferes with the camera's field of view.

- The camera's field of view (blocked by water mist, dust, or sticker) is blocked by the windscreen.
- The radar is restricted. [See 18 page](#)
- The camera is subject to the limit. [See 20 page](#)
- When the current vehicle speed is faster than a certain speed, the automatic emergency braking (AEB) is not able to completely avoid a crash when a pedestrian is detected.
- The automatic emergency braking (AEB) fails to work when there is a retrograde vehicle.

The above example, warning, and limit do not describe all conditions that affect the normal operation of the forward collision warning.

### Blind Spot Security (BSD & LCA)

#### Function Introduction

Blind Spot Safety Assist includes Blind Spot Detection (BSD) and Lane Change Alert (LCA), which can monitor the lanes on both sides of the



vehicle and provide alerts when there is a risk during lane changes.

### warning

- The function does not work during sharp turns.
- The function does not work during reverse driving.
- Blind Spot Safety Assist is an assisted driving function and may not work under all circumstances.
- The function cannot replace safe driving practices and the use of interior and exterior rearview mirrors.
- Using Blind Spot Safety Assist does not mean the driver can be negligent or complacent. It is always the driver's responsibility to change lanes in a safe manner.

### Function Activation



When the vehicle speed is greater than 10km/h, if there is a vehicle in the blind spot or a fast-approaching one behind the blind spot, the corresponding side's exterior rearview mirror warning light will illuminate. If the turning lamp or lane change signal on that side is activated at



this time, the warning light will start flashing to provide a reminder.

### **caution**

When exterior rearview mirror warning light is illuminated, the driver should avoid changing lanes to the corresponding side.

## Operation of Functions



Tap “ →XPiLOT” in turn on CID to enable or disable the blind spot safety assist function.

## Limitation and Error

Blind Spot Safety Assist may not always work under all circumstances, and several reasons may lead to unnecessary, untimely, or ineffective warnings, or even missed warnings. Some of the reasons include:

- The radar is restricted. [See 18 page](#)
- The presence of large moving metal objects in the blind-spot area.

The examples, warnings, and limitations mentioned above do not cover all situations that may affect the normal operation of the Blind Spot Safety Assist system.

## Door Opening Warning (DOW)

### Function Introduction

The Door Opening Warning (DOW) function can provide alerts when there is a crash risk while opening the door.

### **warning**

- However, please note that even when the vehicle is stationary, DOW may not work under all circumstances. It cannot replace the visual observation of the driver and passengers, as well as the use of interior and exterior rearview mirrors. Do not overly rely on that.



- DOW is only effective when the vehicle is stationary or moving at a low speed. It will not work when the vehicle is in motion.
- DOW is to remind drivers and passengers to pay attention to the safety when opening the door. Due to the limitations of sensor performance and the complexity of traffic conditions, the function may issue unnecessary alerts or fail to alert. Actively observing before exiting the vehicle is the most effective measure and responsibility to ensure personal safety.

### Function Activation

When the vehicle speed is between 0-5 km/h and there are vehicles, pedestrians, or two-wheelers approaching at a certain speed within the detection range, and there is a crash risk while opening the door, the door opening warning function will be activated. It will provide alerts through the following means:



- ICM.
- Warning tone.



- The corresponding side exterior rearview mirror warning light is illuminated constantly.



- The door ambient lighting is flashing.

## Operation of Functions



**Door Opening Warning**  
Door Opening Risk Warning when Parked.



Tap “ →XPILOT” in turn on CID to enable or disable the door opening warning function.

### Limitation and Error

The door opening warning may not always work under all circumstances due to various reasons, which may lead to unnecessary, untimely, or ineffective warnings, or even missed warnings. Some of the reasons include:

- The radar is restricted. [See 18 page](#)
- Smaller targets or stationary targets.
- The target is moving too fast or has sudden steering actions, for example: When a target vehicle changes lanes and suddenly appears in the monitoring area behind the vehicle.
- Other vehicles or cyclists behind the vehicle.
- The vehicle is parked in locations such as a turning point or next to a wall.

The examples, warnings, and limitations mentioned above do not cover all situations that

may affect the normal operation of the door opening warning system.

### Rear Collision Warning (RCW)

#### Function Introduction

The Rear Collision Warning (RCW) function can detect crash risks from the vehicle's rear during driving and provide warnings.



## Function Activation



When the vehicle speed is between 0-160 km/h, if there are vehicles, pedestrians, or two-wheelers approaching at a certain speed within the detection range, and there is a crash risk, RCW will be activated. It will provide warnings through ICM, audible alerts, and illuminate the

hazard warning lights to alert the approaching vehicles from behind.

## Operation of Functions



Tap “ → XPILOT” in turn on CID to enable or disable the rear collision warning.

## Limitation and Error

RCW may not always work under all circumstances, and there are various reasons that could lead to unnecessary, untimely, or ineffective warnings or missed warnings, such as:

- The radar is restricted. [See 18 page](#)
- The presence of large moving metal objects in the blind-spot area.
- The detection object's speed is too fast.



The above examples, warnings and limitations do not cover all situations that may affect the normal operation of the rear collision warning.

## Rear Cross Traffic Alert (RCTA)

### Function Introduction

RCTA can provide reminders to the driver about the presence of cross-traffic in the rear blind spot when the backup visibility is limited.

#### warning

- The intelligent technology of RCTA cannot surpass physical limitations and can only function within the system's limits. Do not take risks by relying solely on the system's enhanced comfort. The system cannot replace the driver's attention.
- RCTA is an assisting driving function and may not be available in all situations.
- Using RCTA does not mean the driver can be careless or relax. Safe reversing remains the driver's responsibility.

- Do not use the system in situations with limited visibility or when it is difficult to see the traffic (e.g., on busy roads or crossing multiple lanes).
- The system may not accurately recognize cyclists and pedestrians, so the driver must always be vigilant and observe the surroundings.

### Function Activation



When the vehicle is in R/N gear and the speed is between 2-15 km/h, and there is a vehicle, pedestrian, or two-wheeler approaching at a certain speed within the detection range, with a crash risk, RCTA is activated. It provides reminders through ICM and warning tones.



## Operation of Functions



Tap “ →XPILOT” in turn on CID to enable or disable the rear cross traffic alert.

### Limitation and Error

RCTA may not always work in all situations, and there are various reasons that could lead to unnecessary, delayed, or ineffective warnings or even missed warnings, such as:

- The radar is restricted. [See 18 page](#)
- The presence of large moving metal objects in the blind-spot area.
- The detection object's speed is too fast.

The above examples, warnings, and limitations do not cover all the potential factors that may affect the normal operation of RCTA.

## Collision Avoidance Assist – Starting

### Function Introduction

The starting obstacle avoidance assist function is an active safety function. When the vehicle starts at low speed, it identifies nearby obstacles in the direction of travel and intelligently limits the vehicle's maximum acceleration capability. This helps reduce the risk of crash accidents caused by the driver accidentally stepping on the accelerator pedal.

### Switch



Tap “ →XPILOT” in turn on CID, and in the current interface, you can enable or disable the starting obstacle avoidance assist.



### warning

The starting obstacle avoidance assist is merely an auxiliary driving function and cannot replace direct visual checks. Do not overly rely on that. Even when the function is activated, it only limits the vehicle's acceleration to a certain extent, and you still need to actively control and stop the vehicle; otherwise, crashes may occur. It is your responsibility to remain vigilant, pay attention to the surroundings when starting the vehicle, and always be aware of other road users to avoid the risk of severe injury or death.

### Limitation and Error

The starting obstacle avoidance assist function may not work in all situations, and there are various reasons that may cause unnecessary, delayed, or ineffective warnings or missed warnings, such as:

- The radar is restricted. [See 18 page](#)

- The presence of large moving metal objects in the blind-spot area.
- The detection object's speed is too fast.

The above warnings and limitations do not cover all possible interferences. Several factors can lead to the function failure, so to avoid crashes, drivers must remain vigilant while driving the vehicle, constantly paying attention to the road conditions, and ensuring they can control the vehicle's start safely.

### Lane Departure Assist (LSS)

#### Function Introduction

Lane Departure Assistance includes Lane Departure Warning (LDW), Lane Keeping Assist (LKA), and Emergency Lane Keeping (ELK). It can alert and correct unintentional lane departure or assist in emergency lane keeping to avoid potential side crashes.



## Lane Departure Warning (LDW)



When Lane Departure Assistance is set to the warning mode, LDW enables: if the vehicle deviates from its lane without using the turning lamp with the speed is between 60 km/h-150 km/h, the system provides alerts through ICM, audible warning tones, and steering wheel

vibration to remind the driver until the vehicle is corrected back into the lane.

### **caution**

LDW function only provides warnings to the driver and does not actively steer the vehicle back into the lane. The driver is responsible for promptly correcting the vehicle's position when receiving LDW warnings.

## Lane Keeping Assist (LKA)

When Lane Departure Assistance is set to the correction mode, LKA enables: if the vehicle deviates from its lane without using the turning lamp with the speed is between 60 km/h-150 km/h, the system provides alerts through ICM and audible warning tones, and intervenes in the steering wheel control to correct the vehicle back into the lane.

## Emergency Lane Keeping (ELK)

When Lane Departure Assistance is set to the correction mode, ELK enables: when the vehicle speed is between 60 km/h and 150 km/h, and



the vehicle is about to crash with the roadside or an oncoming/overtaking vehicle, the system also provides alerts through ICM and audible warning tones, and intervenes in the steering wheel control to perform an emergency evasive maneuver.

### Operation of Functions



4

Tap “ → XPILOT” in turn on CID, and you can configure the lane departure assistance



function's assistance mode and trigger conditions.

## **i** Tips

If the function is disabled, it will automatically re-enable the next time the vehicle is powered on.

## Limitation and Error

### **!** warning

- LSS is an assisted driving function and may not work in all driving situations, traffic conditions, weather, and road conditions. When driving, it is crucial to observe the road conditions and not rely on LSS to warn or avoid potential dangers. Relying on LSS to warn of potential lane departure dangers and avoid them can lead to severe personal injury or death.
- When the vehicle issues visual, auditory, or tactile warnings, it is the driver's responsibility to take immediate action to

avoid further danger, and they should not depend on LKA to intervene.

- LSS can correct the vehicle's position when it deviates from the lane without the turning lamp activated, but drivers must remain attentive as this function cannot fully replace their operation.
- LSS will not issue warnings or intervene in lane departure situations when the turning lamp is activated or when the driver shows obvious turning intentions (such as quickly turning the steering wheel, braking, deep pressing the accelerator pedal for acceleration, or turning on hazard warning lights).
- The function will be inhibited when the windshield wipers or hazard warning lights are activated.

Lane departure assistance may not always accurately detect lane lines. In some situations, the driver may receive useless or ineffective warnings, and the system may not be able to



intervene in lane departure appropriately, for example:

- Dark (poor light) or poor visibility (due to heavy rain, heavy snow, heavy fog, and others).
- When the hard light (for example the headlamp light or the direct sunlight) interferes with the camera's field of view.
- The camera's field of view is blocked by the preceding vehicles.
- The camera's field of view (blocked by water mist, dust, or sticker) is blocked by the windscreen.
- Excessive wear of lane lines, overlapping old and new lane markings, or temporary road adjustments due to construction or rapid changes (e.g., lane forks, crossings, or merges)
- Objects or landscape features are casting strong shadows on the lane.
- Strong lateral airflows or strong winds on one side of the vehicle can affect the performance of lane departure assistance. It is not suitable to use this feature in such weather conditions.

Lane departure assistance may miss warnings and interventions or issue incorrect warnings and interventions in the following situations:

- The camera is subject to the limit. [See 20 page](#)
- Weather conditions (heavy rain, snow, fog, extreme heat, or cold) affect camera operation.

Please note that the provided examples, warnings, and limitations do not cover all situations that may impact the normal operation of lane departure assistance.

### Intelligent High Beam Control (IHB)

#### Function Introduction

The IHB function automatically switches between high and low beams based on information such as oncoming vehicles and ambient lighting to avoid disturbing other traffic participants.



## caution

it cannot guarantee perfect perception of the surrounding environment or vehicles, and there may be occasional misadjustments between high and low beams. Therefore, it's essential to comply with local traffic regulations and use this function responsibly and appropriately.

## Function Activation

IHB is activated when the following conditions are met, and it automatically switches between high and low beams based on the road environment:

1. IHB switch on CID is turned on;
2. The headlight switch is set to AUTO or low beam;
3. The vehicle speed is above 30 km/h.
4. The front windscreen camera is unobstructed and not affected by fog or other factors.

## Tips

Once IHB is activated, it will exit if the vehicle speed drops below 15 km/h.

## ICM Indicator Light

The function status can be understood through the ICM indicator lights:



IHB is enabled, and high beams are not illuminated.



IHB is enabled, and high beams are illuminated.



IHB function malfunction.

## caution

If IHB malfunctions, please contact the XPENG Service Center for maintenance.



### Operation of Functions



Tap  on the top status bar on CID allows you to enable or disable the IHB function.

### Limitation and Error

- The IHB function may be limited by the camera and various inhibiting conditions.
- If the camera is not properly calibrated, the performance of IHB may be reduced.
- Factors such as camera blindness due to dust, ice, rain, snow, fog, or other limitations in visibility can also reduce the performance.
- The presence of highly reflective objects within the camera's sensing range on the road can affect its performance.
- Self-glaring scenes like heavy rain or dense fog can render IHB unavailable.

The above examples, warnings, and limitations do not cover all situations that may affect the normal operation of the Intelligent High Beam system.

### Driver State Monitoring (DSM)

#### Function Introduction



1. Interior Camera



DSM system monitors the driver's facial state. When the driver shows mild signs of fatigue or distraction, the system provides reminders through ICM and warning sounds. However, if the driver exhibits severe fatigue or distraction, the system will remind them by tightening the seatbelt.

## Limitation and Error

Driver fatigue monitoring may not always function under various circumstances, and several reasons may lead to its failure, such as:

- Abnormal power supply voltage (too high or too low);
- The driver fatigue monitoring camera fault or it is covered.

The above examples, warnings, and limitations do not cover all situations that may affect the normal operation of driver fatigue monitoring.

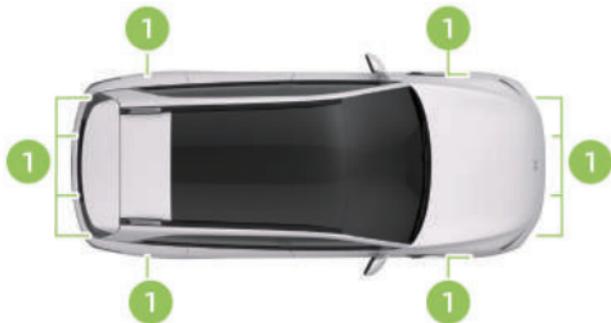


## Parking Radar System

### Function Introduction

The parking radar system uses ultrasonic radar installed on the vehicle's bumper to detect the distance between the vehicle and surrounding obstacles. It provides reminders to the driver through ICM, CID, and warning tones, assisting the driver in parking.

### Installation position of the ultrasonic radar



1. Ultrasonic Radar

### warning

- The intelligent technology of the parking radar system cannot surpass the limitations of the laws of physics and can only function within the system's limits. Failure to comply may result in severe injuries and vehicle damage.
- The parking radar cannot replace the driver's attention; drivers must always observe the surrounding environment.
- During the intelligent parking process, the auditory warning information from the parking radar may reduce, but necessary warning information will still be present. Drivers should pay attention to the warning messages from the radar and apply the brake when necessary.
- When the speed exceeds 12 km/h and is in D gear, the parking radar will deactivate the warning function.

# Parking Assistance



- Do not wait for warning messages from the parking radar, but brake as required to ensure vehicle safety.
- The parking radar only emits warning messages when obstacles are detected, so it may not issue warnings, may delay the issuing, or may produce unnecessary warnings. Relying entirely on the parking radar for potential crash warnings may result in severe personal injury or death.

## Function Activation

When shifted to D gear, the front bumper's ultrasonic radar starts working. When shifted to R gear, all ultrasonic radars are activated.

## Warning interface



When the parking radar system is activated, ICM will simulate the approximate direction and distance of obstacles relative to the vehicle. Green indicates a greater distance, while red indicates a very close one. The distance between the vehicle and the nearest obstacle is also displayed numerically below.



When shifted to R gear, CID will also display the parking radar system's warning interface.

### Warning tone

As the distance between the vehicle and obstacles decreases, the warning tone's frequency will gradually increase. It will continue to sound when the vehicle is about to crash with an obstacle.

### Limitation and Error

The parking radar can detect various obstacles, vehicles, bicycles, pedestrians, etc. However, several reasons may lead to unnecessary, delayed, or missed warnings, such as:

- The radar is restricted. [See 18 page](#)
- When the vehicle is approaching an obstacle at a relatively high speed, the parking radar's warning messages may be delayed.

- Even if the obstacle is soft and won't damage the vehicle (e.g., tall grass), the parking radar may still issue warning messages.

The above examples, warnings, and limitations do not cover all situations that may affect the normal operation of the parking radar system.

## 360° Panoramic View AVM

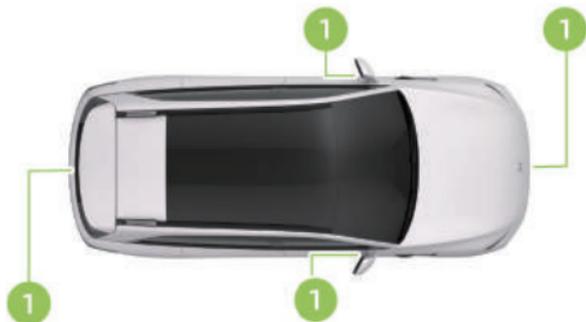
### Function Introduction

AVM utilizes cameras installed around the vehicle to capture the surroundings and display them on CID.

# Parking Assistance



## Installation positions of the Surround-View Cameras



### 1. Surround View Camera

Surround-View Cameras are installed above the license plate and below the left and right exterior rearview mirrors.

#### **i** Tips

Please note that certain license plate frames or U.S. licenses might obstruct the cameras

or prevent proper installation. Please choose carefully to avoid any interference.

## Operation of Functions

### Reverse Image

When the vehicle is shifted to the R gear, CID switches to the reverse view.

If "**Reverse Image Hold**" is enabled, when the gear is shifted from R to D, the reverse image switches to the front view. When the gear is shifted to P or the speed exceeds 10 km/h, the reverse image will automatically exit. You can also manually exit the reverse image by tapping the close button on the screen.

If "**Reverse Image Hold**" is not enabled, the reverse image will close when the gear is shifted out of R.

#### **i** Tips

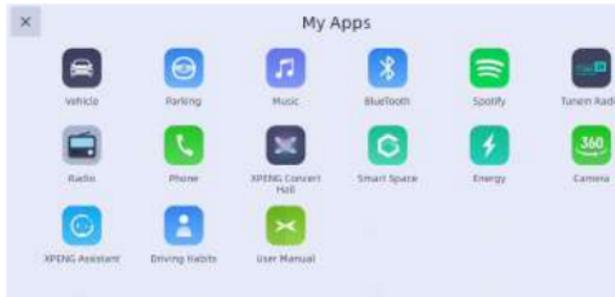
Tap "🚗 → **Assistive Driving** → **Super Intelligent Parking Assist** → **Parking Settings**" in turn on



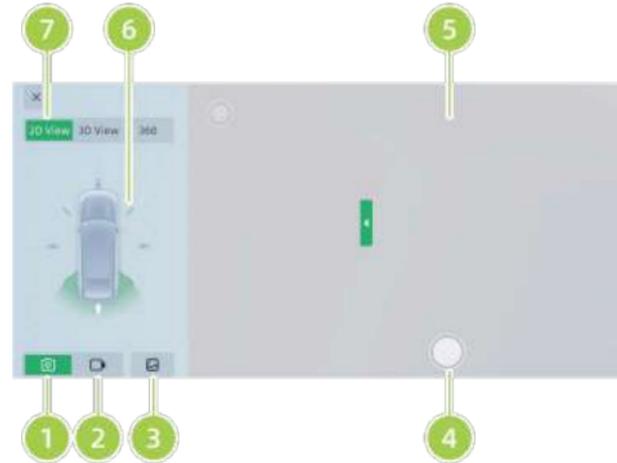
## Parking Assistance

CID or tap “📷 → **Settings**” in turn to enable or disable the Reverse Image Hold.

### Camera Application



Shift to R, or tap “📷 → **Camera**” in turn on CID to open the AVM.



1. Photo mode
2. Video mode
3. Album
4. Photo/Video toggle switch
5. Real-time view of AVM
6. Orientation of the real-time view of AVM in 2D/3D perspective mode
7. AVM display mode



## Auto Park Assist (APA)

### Function Introduction

APA can assist the driver in parking and exiting both perpendicular and parallel parking spaces with or without lines, as well as diagonal parking spaces.

#### warning

- Its performance relies on the detection and recognition capabilities of ultrasonic sensors and surround-view cameras in the environment.
- It may not always detect objects in the parking space or along the parking path. The driver must check the surroundings and ensure they are suitable and safe.
- Although APA has the ability to assist in avoiding obstacles, due to sensor limitations, the driver should always be prepared to brake to avoid vehicles, pedestrians, and objects.

- In cramped spaces, the sensor's accuracy in detecting obstacle positions may be limited, increasing the risk of damage to the vehicle or surrounding objects when using APA.
- Obstacles above the height of the exterior rearview mirrors may not be fully detected. During the parking process, it's essential to observe the environment and confirm that it is safe and appropriate.

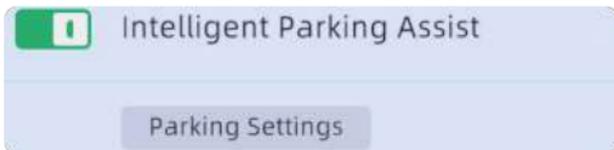
### ICM Indicator Light

When APA is activated, ICM indicator light  will be blue.



## Operation of Functions

Enable or disable the Super Intelligent Parking Assist



Tap “XPiLOT” on CID to enable or disable the super intelligent parking assist.

### Park In

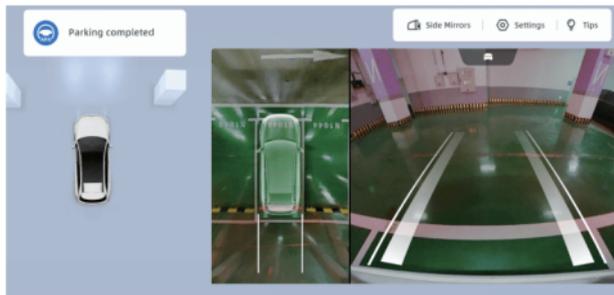
1. Tap on CID “” or say “**Hi Xiao P, I want to park the car.**” to enable the parking function.
2. Drive the vehicle slowly, observe CID until the target parking space is displayed in blue, then press the brake pedal.



3. Tap “**Target Parking Space**→**Start Parking**”.



4. Release the brake pedal to start parking.



5. When the parking is completed, CID will display **“Parking Completed”**.

## **caution**

- Before parking, please observe whether the surrounding environment is suitable and safe.
- During the process, please keep an eye on the surroundings and be ready to take control of the vehicle at any time.

## Park Out

After using the APA to park into a parking space without moving the vehicle afterward, you can use the Park Out function.

1. Press the brake pedal and shift to the R gear.
2. Tap **“Park Out”** on the CID.
3. Release the brake pedal to start parking out.
4. When the parking out is completed, CID will display **“Parking Completed”**.

## Cancel Parking

The parking will be canceled if any of the following situations occur:

- Manually turn the steering wheel or press the brake pedal to shift gears while the parking process is in progress.
- Before starting the parking, tap the exit button on the parking interface.
- APA remains paused for more than 30 seconds without resuming.



- Opening a car door, pressing the accelerator pedal, or pressing the brake pedal causes APA to pause more than 2 times.

### Limitation and Error

In the following situations, APA may not function as expected:

- When the road is an incline.
- Dark (poor light) or poor visibility (due to heavy rain, heavy snow, heavy fog, and others).
- If the road edge is not made of stone or cannot be detected. Improper parking may damage the vehicle's tires and wheels.
- If one or more ultrasonic sensors or surround-view cameras are dirty or obstructed (e.g., by mud, ice, or hanging water).
- When weather conditions (heavy rain, snow, fog, extreme heat, or extreme cold) interfere with sensor operation.
- If the sensors are affected by other electrical equipment or devices that could cause interference.
- Uneven road surfaces.
- When the sensors cannot recognize road surfaces with significant height differences, avoid using APA near cliffs, elevated platforms, curbside sidewalks, low flower beds, or parking spaces with steps.
- The sensors have limited recognition capabilities and scope, and may not detect suspended, small, low-height, or narrow obstacles. When there are similar objects in the parking environment, always pay attention and be ready to take control of the vehicle to avoid crashes.
- Do not use APA if the vehicle is equipped with anti-skid chains or spare tires.
- Do not use APA if there are protruding objects loaded onto the vehicle.
- Do not use APA if any of the exterior rearview mirrors or surround-view cameras are damaged or in an abnormal position.



- Parking spaces on narrow streets or small parking spaces may not always be available due to insufficient maneuvering space.
- Use approved tires with normal tire pressure to avoid triggering the tire pressure warning system, which can affect APA.
- Vehicle refit or repair performed outside of XPENG Service Center may affect APA and increase the risk of scraping or crashes during parking.
- Many unforeseen circumstances can affect APA to park the vehicle properly. Always be aware of this and be prepared to take control of the vehicle at any time. When parking, pay attention and be ready to take immediate control of the vehicle's operation.
- APA is an advanced driver-assistance system and cannot achieve full autonomous driving capabilities. The driver must always maintain attentiveness to the vehicle and surroundings to observe and make judgments.

The above examples, warnings, and limitations do not cover all situations that may affect the normal operation.

## Auto Exit Parking (AEP)

### Function Introduction

After parking into the space using the XPILOT APA, if the vehicle is not moved afterwards, use AEP to assist in pulling it out.

### Operation of Functions

AEP can be activated by following methods:

- Press brake pedal, shift into Reverse, and tap “**Start Parking Out**” on CID.
- Open the App, and tap “**XPENG→Remote Parking→Start Parking Out**” in turn.

#### Tips

The activation of AEP requires meeting the following conditions:



- The vehicle is not moved after parking is completed using APA or RPA, and APA is enabled.
- AEP components function normal.
- Radar and camera function normal.
- Tire pressure is normal.

### Exit AEP

Exit AEP through the following operations when AEP is turned on:

- Manually move the steering wheel or press and hold the brake to shift gears after AEP is started.
- Tap the exit button on the parking interface before starting AEP.
- AEP remains paused for more than 30 seconds without resuming.
- Opening the vehicle door, pressing the accelerator pedal, or pressing the brake pedal caused AEP to pause more than twice.

### Limitation and Error

AEP may fail to function as expected in the following conditions:

- When the road is a incline.
- Dark (poor light) or poor visibility (due to heavy rain, heavy snow, heavy fog, and others).
- If the road edge is not made of stone or cannot be detected. Improper parking may damage the vehicle's tires and wheels.
- One or more ultrasonic sensors, surround-view cameras are dirty or obstructed (such as by mud, ice, or hanging water droplet).
- Weather conditions (heavy rain, snow, fog, or extremely hot or cold temperatures) are interfering with sensor operation.
- If the sensors are affected by other electrical equipment or devices that could cause interference.
- Uneven road surfaces.
- When the sensors cannot recognize road surfaces with significant height differences,



avoid using APA near cliffs, elevated platforms, curbside sidewalks, low flower beds, or parking spaces with steps.

- The sensors have limited recognition capabilities and scope, and may not detect suspended, small, low-height, or narrow obstacles. When there are similar objects in the parking environment, always pay attention and be ready to take control of the vehicle to avoid crashes.
- Do not use APA if the vehicle is equipped with anti-skid chains or spare tires.
- Do not use APA if there are protruding objects loaded onto the vehicle.
- Do not use APA if any of the exterior rearview mirrors or surround-view cameras are damaged or in an abnormal position.
- Parking spaces on narrow streets or small parking spaces may not always be available due to insufficient maneuvering space.
- Please use approved tires with normal tire pressure to avoid alerting the tire pressure

warning system, which could affect AEP functions.

- Vehicle refit or repair performed outside of XPENG Service Center may affect APA and increase the risk of scraping or crashes during parking.
- Many unforeseen circumstances may impair the parking function of AEP. Please keep this in mind and remember that as a result, AEP may not steer the vehicle appropriately. When parking, pay attention and be ready to take immediate control of the vehicle's operation.
- AEP is only an advanced driving assistance function and not fully autonomous. Drivers must remain attentive to the vehicles and surroundings on the road and make sound judgments.

The provided examples, warnings, and limitations do not represent an exhaustive list of situations that may interfere with proper function of AEP.



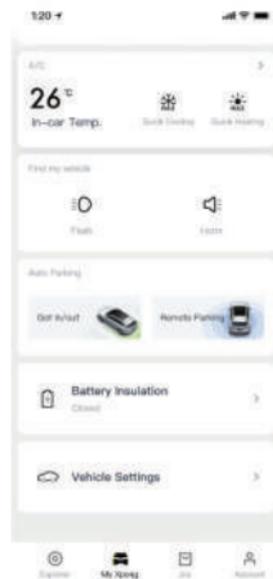
### Mobile Phone Remote Parking

#### Function Introduction

You can use the XPENG App to control the vehicle and complete the parking, making it convenient to park the car in tight spaces where it's difficult to get in and out.

#### Operation of Functions

##### Using of Mobile Phone Remote Parking



Find and tap the parking space on the CID, switch to Park, then get off and close the door.

# Parking Assistance



Open XPENG App, tap **“Remote Parking”**, hold the button to start the parking after entering the setting page.

Parking will be paused if you release the button and resumed if you press and hold the button again.

## **caution**

If there is any safety risk, it is your responsibility to immediately pause or exit the Remote Parking.

## Limitation and Error

The driver must be close to the vehicle with their phone in order to use the remote parking function. In the event that the driver is too far away from the vehicle, the remote parking function will automatically pause.

## **caution**

- Always make sure the vehicle is within your own visual range, and constantly observe the surroundings of the vehicle.
- Different vehicle models have varying levels of stability in adaptation. If you encounter issues such as unstable connections during use, please consult the customer service personnel.

## Get In/Out

### Function Introduction

You can use the mobile App to control the vehicle to move forward or backward, which is convenient for parking the vehicle in narrow spaces where it is difficult to smoothly get in and out.

## **caution**

The Get In/Out function for entering or exiting parking spaces has obstacle avoidance



capabilities. If it encounters any obstacles, it will automatically pause or exit the function. The car owner can also manually pause the function by releasing the button.

### Operation of Functions

#### caution

- When using the Get In/Out function for parking spaces, please pay attention to the surrounding environment. If there is any danger, please promptly pause the function.
- The function has an obstacle avoidance feature. If an obstacle is detected, the function will automatically pause, and if the obstacle avoidance is triggered three times during a single use, the function will stop.
- Different vehicle models have varying levels of stability in adaptation. If you encounter issues such as unstable connections during use, please consult the customer service personnel.

#### To use Get In/Out function for parking spaces via the XPENG App

1. Open the XPENG App and tap “Get In/ Out”. Wait for the vehicle to enter active mode (exterior rearview mirrors folded, hazard lights activated).
2. Press and hold  to control the vehicle's forward movement. Press and hold  to control the vehicle's backward movement. Release to stop its movement.



## A/C

### A/C Interface Overview



#### 1. A/C

- Displays airflow and temperature
- Tap up and down to set the driver's side temperature
- Tap to open/close A/C interface

#### 2. Heating to defrost

- Front windscreen defrosting
- Rear windscreen/external rearview mirror defrosting
- Steering wheel heating



3. Adjust airflow
4. Seat heating and ventilation
  - Seat heating and ventilation
5. Intelligent Mode\*
6. Adjust the driver's side temperature
7. When the air conditioning is on, tap to open/close the air vent, drag to adjust the air vent direction.
8. Adjust the passenger's side temperature
9. Wind mode: Choose from free wind, mirrored wind, one-way wind, and full-car wind
10. Temperature synchronization: When activated, the driver's side temperature synchronizes with the front passenger's side temperature.

### Tips

When energy-saving mode is enabled, temperature synchronization automatically activates. If there is no one on the passenger side, the function cannot be turned off.

11. Airflow mode
  - Blow to window
  - Blow to face
  - Blow to feet
12. AUTO: When activated, A/C automatically controls according to the set temperature
13. A/C on/off switch
14. A/C: Air conditioning must be on for cooling or heating to work
15. Rapid Temperature Control/Inside and Outside Circulation
  - Rapid cooling
  - Rapid heating
  - Switch between inside and outside circulation
16. PM2.5
  - Display interior air quality
  - Tap to enable or disable air purification



## **i** Tips

A/C can also be controlled through the steering wheel and voice commands.

## **A/C Intelligent Mode\***

### **Intelligent Deodorization**

It is suitable for quickly removing new car smells during the initial use or for promptly eliminating any abnormal odors detected while driving. After activating this mode, the ventilation will be continuously on for 180 seconds to improve driving comfort.

### **Energy-saving Mode**

When the mode is activated, the A/C operates in a more power-efficient manner, reducing power consumption and extending the driving range. However, it may slightly affect the cooling or heating performance.

## **Exhaust Gas Protection**

When enabled, if the vehicle detects exhaust gas pollution from the outside, it will automatically switch to the recirculation mode to ensure the interior air quality.

## **Intelligent Front Passenger Ventilation**

When driving alone, it is recommended to enable “**Intelligent Front Passenger Ventilation**”. After activating this function, the front passenger-side ventilation will be closed in appropriate situations, reducing air conditioning power consumption and extending the driving range.

## **A/C Auto-Drying**

When enabled, if A/C is still running when the vehicle is locked, the system will intelligently detect water accumulation in the A/C system and activate the auto-drying function. This reduces the chances of bacterial growth and minimizes the possibility of producing odors inside the vehicle. The function will consume



a certain amount of power and have a minor impact on the driving range.

### Parking Ventilation

After locking the vehicle, A/C will automatically circulate fresh air at regular intervals, reducing any odors inside the vehicle and ensuring a fresh atmosphere. Attention! The function only activates once each time it is enabled. The next time you use the vehicle, it will automatically switch back to the closed state.

### Air Purification

The air purification utilizes sensors and network data to assess the air quality inside the vehicle. The information is displayed on the A/C interface. When the interior air quality is poor, the system will prompt you to activate the air purification function.

The air purification can be activated in the following ways:

1. Speak to Xiao P: Air Purification.

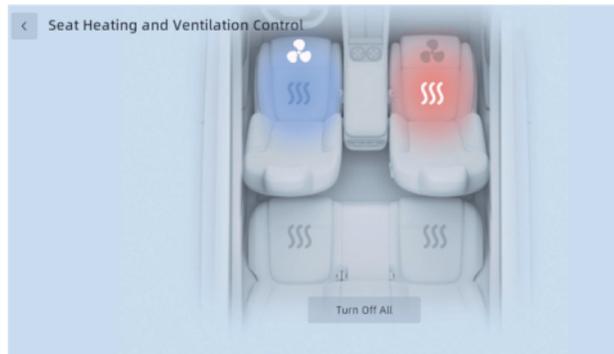
2. Tap “**Air Purification**” on CID in turn to start purification.
3. When AUTO mode is activated, the purification will automatically start if the interior air quality level is classified as moderate pollution or above.

You can stop the air purification through any of the following methods:

1. If the interior air quality level is classified as good or below, the purification will automatically stop after 30 seconds.
2. During purification, tapping again on the air purification icon at the bottom right corner of the A/C control screen will stop the purification.
3. Stop the purification by turning off the A/C and activate the front defrost.
4. Stop the purification by activating the rapid heating, rapid cooling, or intelligent deodorization functions.



## Seat heating and ventilation



Open the A/C interface and tap “” to activate the seat ventilation or heating interface.

Tap the airflow icon will activate the corresponding seat's ventilation function. There are three levels: Level 3, Level 2, Level 1, Off, and then back to Level 3 in a continuous cycle.

Tap the heating icon will activate the corresponding seat's ventilation function. There are three levels: Level 3, Level 2, Level 1, Off, and then back to Level 3 in a continuous cycle.

## Steering Wheel Heating



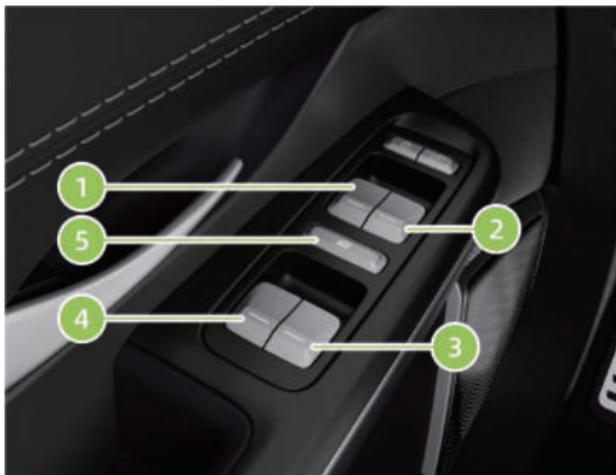
Open the A/C interface and tap  to activate the steering wheel heating function. Each tap will cycle through three levels: Level 3, Level 2, Level 1, Off, and then back to Level 3.



### Windows

#### Window Adjustment

##### Window switch



1. Left Front Window Up/Down Switch
2. Right Front Window Up/Down Switch
3. Right Rear Window Up/Down Switch

4. Left Rear Window Up/Down Switch
5. Passenger Window Up/Down Lock Switch

Push the window switch up/down to the level 2, and the window will automatically move to the fully closed/open status.

Push the window switch up/down to the level 1 and hold it, the window will start moving up/down, and release the switch to stop the window movement.

When the passenger window switch disable function is activated, the indicator on the switch will light up. At this time, the window switches on other doors are disabled, and all windows can only be controlled by the window switch on the driver's door.



## CID Window Adjustment



Tap “🚗 → **Controls** → **Window Control**” in turn to access the window adjustment interface. From there, you can adjust the window position, enable/disable the auto-closing window when locking, and enable/disable the auto-closing window at high speed.

### **i** Tips

You can also adjust the window position using voice commands and the mobile App.

## Anti-pinch Function Initialization

When the anti-pinch function fails, you can try the following initialization procedure:

1. Power on the vehicle and close the doors. Pull the window switch to the first level (lightly pull) to fully close the window and hold it for 3 seconds, then release.
2. Press the window switch to the first level (lightly press) to make the window go down to its automatic stop position, then release.
3. Press the window switch to the first level (lightly press) again to fully open the window and hold it for 3 seconds to complete the window initialization.

You can check if the initialization is successful with the following operations:

1. Press the window switch to the second level (press slightly) and release. The window automatically lowers to the fully open position.



## Comfort Equipments

2. Pull the window switch to the second level (pull slightly) and release. The window automatically raises to the closed position.

### caution

- The process of setting the window fully open and fully closed must be completed within 15 seconds.
- The setting of the window fully open and fully closed must be done consecutively. If you only complete one step, it may cause the anti-pinch function to fail. To avoid this risk, you must complete both steps consecutively.

### warning

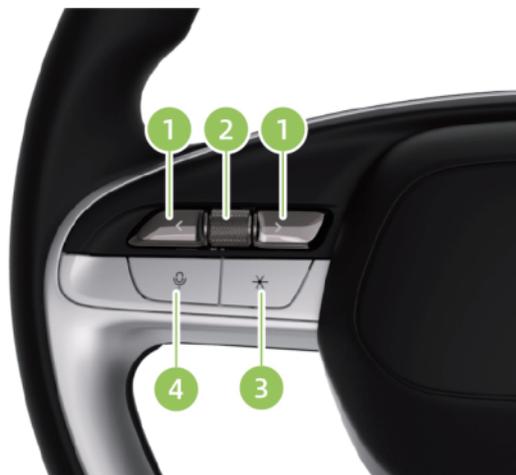
- Before closing the window, the driver must ensure that all passengers (especially children) do not have any body parts outside the window to avoid the risk of injury.
- When locking the vehicle, the windows will automatically close. The driver must

ensure that the windows will not pinch any passengers before locking.

- Before leaving the vehicle, please ensure that the vehicle is in the power-off state.

## Steering Wheel Button

### Steering wheel left-side buttons





1. Left and Right buttons:
  - Default: Adjust A/C airflow.
  - ACC: Adjust cruise control distance.
2. Scroll Wheel Up and Down:
  - Scroll up and down to adjust A/C temperature.
  - Press and hold to enter the left-side screen card-switching mode on the dashboard. Scroll up and down to select cards, short press to confirm the selection.
  - When ACC is active, scroll up and down to increase or decrease speed.
3. Customizable buttons:

Briefly press to quickly activate custom functions. Press and hold to customize the functions.
4. Voice wake-up button:

Activate or deactivate Xiao P assistant.

## Steering wheel right-side buttons



1. Next/Previous Track: Short press to play the next or previous radio station/chapter/song.
2. Scroll Wheel
  - Scroll up/down to adjust media volume.
  - Briefly press for multimedia play/pause or popup confirmation.



- Press and hold to enter the right-side card selection status on the dashboard.
  - During an incoming call, scroll up/down to select answer/reject, short press the scroll wheel to confirm. During an active call, short press to hang up.
3. Mute: short press to mute.
  4. Back

### Horn



Press the horn button area to activate the sound.

#### warning

- Please do not press the horn button area for an extended period as it may easily damage the horn.

## Comfort Equipments



- Do not press or strike the horn button area forcefully to avoid triggering the deployment of the driver's airbag, which could cause personal injury.

### Button Emergency Function

Simultaneously press and hold the voice button and the mute button to restart ICM and CID.

This function can be used temporarily in case of abnormal display or sudden screen freeze of ICM or CID. If the fault persists after the restart, please contact XPENG Service Center for inspection and repair promptly.

### Setting Custom Key Functions



Tap “ → **Vehicle Settings** → **Customized Key Settings**” in turn on CID to set the custom functions for the steering wheel buttons.

Press and hold the customized key on the steering wheel until the customized key function menu appears on CID, then tap to select customized key function.



### Onboard Power and Data Interface

#### Port on the Base of Interior Rearview Mirror



1. USB power port: Can charge the car recorder, with a maximum output current of 2.1A.

#### caution

- To avoid damaging the vehicle's electrical system, never connect power generation equipment to the USB power port.
- When the vehicle is powered on or off, disconnect the charging device with the USB power port to prevent damage to the electrical equipment due to voltage fluctuations.
- Do not use the USB power port when there is nobody in the vehicle. Improper use of the USB power port may cause a fire.
- Prohibited to use high-power electrical devices.
- Prohibited for children to operate and use.



## Central armrest box front port



1. USB Media Source Port: Used for data transfer, microphone, game controller, etc.
2. 12V Power Supply Port: Maximum supported power is 180W.
3. Type-C Power Port: Charging is possible by connecting a Type-C cable, supports

standard charging protocols, with a maximum power of 60W.

### caution

It is forbidden to use the USB media source port for charging, as charging may cause CID to restart or go black.

## Central armrest box rear port





1. USB Power Port: Charging is possible by connecting a USB cable, with a maximum output current of 2.1A.
2. Type-C Power Port. Maximum supported power is 60W.

**⚠ warning**

Unauthorized refit of the Type-C port is prohibited.

### Trunk interior port



12V Power Supply Port: Maximum supported power is 180W.

# Comfort Equipments



## Phone Wireless Charging



### Mobile Device Wireless Charging

Wireless devices will not be charged when turned off.

The phone wireless charging function is enabled by default. Tap “→**Vehicle Setting**” in turn on CID, then go to “**Others**” to disable/enable this function.



The wireless charging area is located inside the front storage box. When charging, please place the phone with the front side up within the sensing area along the stop bar. The CID will display an icon “” while charging.

Wireless charging will cease under the following conditions:

1. The charging process is completed;



2. There are errors in the charging process, including the vehicle power supply voltage being too low or too high.

### warning

- The phone wireless charging function can generate heat when in contact with metal. Please make sure there are no metal objects on the back of the phone or within the charging area before initiating the charging process. Failure to do so may result in the metal objects being heated or damaged, and in extreme cases, it could cause safety incidents. Here, metal objects refer to any other objects that contain metallic components, including but not limited to chips, magnetic cards, etc.
- Please avoid spilling water into the front storage box, as this could cause water getting into the wireless charging module and damage the electronic components.

- The use of an external wireless charging coil may lead to accidental incidents. Please use with caution.
- When the driver is not in the vehicle, please do not leave your phone charging inside the car to avoid potential hazards.
- Please avoid placing heavy objects in the charging area to prevent damage to the wireless charging module.
- If the phone wireless charging function fails or works abnormally, please stop using it and contact the XPENG Service Center for inspection and repair.
- It is no fault for the phone to heat up after charging for a long time. After the charging device is fully charged, please do not leave it on the charging pad to avoid overheating.
- Please avoid using phone cases made of metallic materials, such as those that support magnetic charging or MagSafe.
- Single wireless charger cannot charge two or more devices simultaneously.

# Comfort Equipments



## Interior Light

### Interior Reading Light

The interior reading lights are installed on the top of the vehicle.

#### Turning on and off the Front Interior Reading Light



The interior reading light is installed in the switch panel on the roof. To turn on the reading light, simply touch the corresponding touch area on the reading light cover. Touch it again to turn it off.

The interior reading light can be turned on/off via the CID or voice command.

#### Turning on and off the Rear Interior Reading Light





Press the corresponding interior reading light switch to turn on the reading light. Press it again to turn it off.

### Ambient light

The vehicle is equipped with surround ambient lights that can change colors with the rhythm of the music, adding warmth to your journey home as night falls.

#### Turning on and off



Via the CID, navigate to “☰ → Lights → Ambient Lights” to enter the ambient light control interface. Tap the switch to turn the ambient lights on or off.

#### Brightness Adjustment and Color Selection

Once the ambient lights are turned on, you can manually adjust their brightness. The ambient lights have various options for monochromatic and bicolor selection.

#### Ambient Light Modes

There are four modes for the ambient lights: Static, Calm, Drive, and Disco.

#### Glove Compartment Light

The glove compartment light will turn on when the glove compartment is opened and will automatically turn off when the glove compartment is closed.



### Trunk Light



The trunk light automatically turns on when the trunk is opened.

### Sub IC Storage Box Light



The sub IC storage box light will turn on when the box is opened, and it will automatically turn off when the box is closed.

### Elevator Speaker Light Effect\*

The bottom light activates as it is raised or lowered.



### Panoramic Sunroof

#### Panoramic Sunroof



The vehicle is equipped with a panoramic sunroof with a heat-insulating coating, which brings better natural light into the cabin.

### Rear Trunk Cover

#### Use of the Rear Trunk Cover



1. Pull out the rear trunk cover.
2. Secure both ends of the rear trunk cover into the fixed slots on both sides of the trunk.



### warning

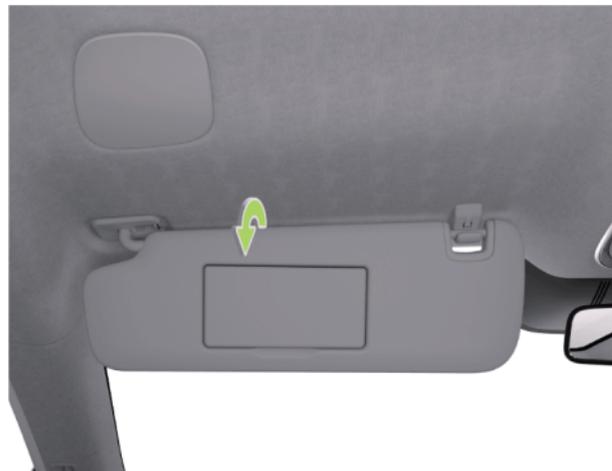
Do not place any items on the extended rear trunk cover. This could cause damage to the cover or, in the event of a crash, lead to objects being projected forwards, potentially causing injury to passengers.

### Remove and Install the Rear Trunk Cover

- Fold down the backrest of the rear seats.
- Retract one end of the rear trunk cover and remove it.
- When installing, first secure one end of the rear trunk cover into the slot, retract the other end, and then secure it into the other slot.

## Sun Visor and Vanity Mirror

### Sun Visor



Flip down the sun visor in the direction of the arrow to block sunlight coming in from the front window.

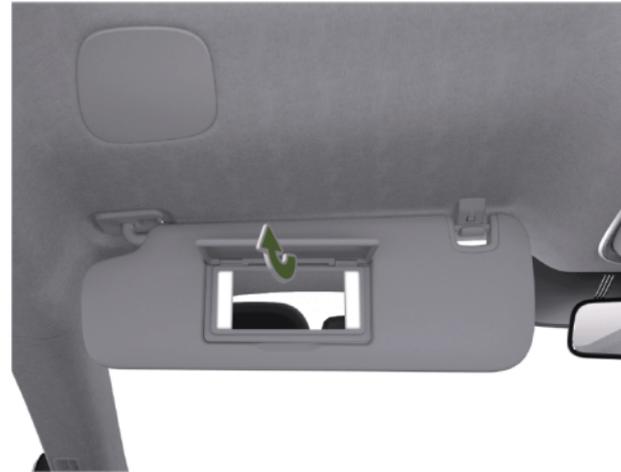


After flipping down the sun visor, remove the end near interior rearview mirror from the bracket and flip the visor towards the window to block sunlight coming in from the side.

**⚠ warning**

The lowered sun visor may obstruct the view ahead. If the sun visor is no longer needed, please return it to its bracket.

### Vanity Mirror



Both the driver's and front passenger's sun visors are equipped with vanity mirrors. Flip down the sun visor and lift the vanity mirror cover, and the vanity mirror light will automatically be on. Close the vanity mirror cover and the light will be off.

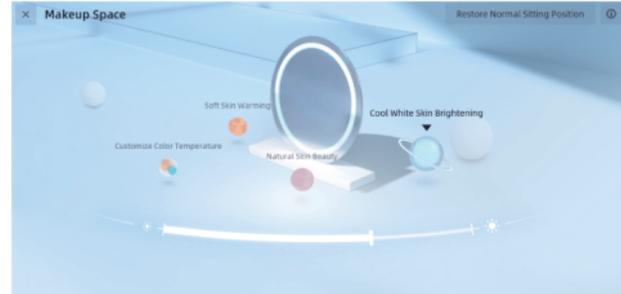
# Comfort Equipments



## Queen's Vanity Mirror



The front passenger's sun visor optionally features a Queen's Vanity Mirror to facilitate makeup for passengers.



Opening the Queen's Vanity Mirror automatically enters the Beauty Space on the Center Information Display. In the Beauty Space, you can set the color temperature of the makeup light, check makeup tutorials, and turn on/off the dedicated makeup seating position function. With this function activated, when you open the Queen's Vanity Mirror, the front passenger's seat will automatically adjust to the designated makeup position.



### Glasses Case

#### Glasses Case

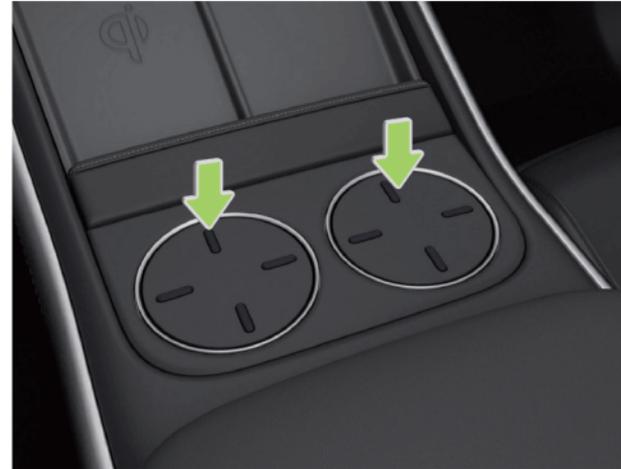


The glasses case is integrated with the front interior light, providing a place to store glasses.

Press the glasses case and it will slowly open.  
Push it upwards to close it.

### Cup Holder

#### Height-Adjustable Cup Holder



The height-adjustable cup holder is located on the sub IC. It can be used to hold beverages and water bottles.



After the cup holder is lowered, press the button on the inner wall of the cup holder to raise it back.

## warning

- When using the cup holder, avoid placing small items and other miscellaneous objects to prevent the cup holder from getting stuck or malfunctioning as it elevates or lowers.
- Do not place open cups in the cup holder while the vehicle is in motion. Otherwise, spilled hot drinks could burn the driver and passengers, and could also damage the vehicle and its electrical equipment.

## Cargo

### Trunk

Fold down the rear seats to load larger or heavier objects.

### Loading Heavy Objects

Loading beyond the vehicle's carrying capacity, or an uneven weight distribution, will severely affect the vehicle's steering performance and driving safety. Luggage within the loading area may move in the event of a traffic accident or emergency stop. Objects should be placed as low and forward as possible.

### Loading Tall Objects

When loading tall objects, the height of the items should not exceed the height of the backrest. Additionally, items must be secured to the vehicle to ensure driving safety.

### Loading Large Objects

When loading large objects, the length of the items should not exceed the size of the vehicle cabin. Additionally, items must be secured to the vehicle to ensure driving safety.



### Front Trunk Box



The vehicle is equipped with a box in the front trunk, which can be used to store small, lightweight items.

### Roof Rack



The vehicle features mounting holes for an optional roof rack. When using a roof rack, please follow the instructions and safety warnings provided in this section, as well as the user manual for the roof rack itself.

- Ensure the roof rack is securely installed.



- To properly load different types of cargo, such as skis, bicycles, etc., use the appropriate accessories. Verify that the attachments are correctly and securely installed according to the instructions. Do not place cargo directly onto the roof sheet metal, as it could damage the panel.
- The total weight of the roof rack and cargo must not exceed the rated load of the roof (75kg). In addition, the total weight of the fully loaded vehicle, including the driver, passengers, cargo, and roof load, must not exceed the maximum vehicle weight listed in the **“Vehicle Specifications”** section.
- The roof rack allows for luggage to be loaded to a height not exceeding 40 centimeters. If the luggage height exceeds 40 centimeters, the vehicle's speed should be adapted to the contours of the road to avoid damaging the roof rack.
- When loading cargo onto the rack, place the heaviest items at the bottom and distribute the cargo as evenly as possible.
- Do not carry oversized items that might hang over the bumper or the sides of the vehicle, obstructing the view.
- Secure the front and back ends of long items (such as planks and surfboards) to the front and back of the vehicle, protecting the vehicle's paint from being scratched by the pulling ropes.
- Regularly inspect the roof rack to ensure it is securely installed and undamaged.
- For vehicles equipped with roof rack mounting holes, ensure to cover these holes with caps when in use.

## Audio Effects

### Interior Audio Effects

Tap “🚗 → **Sound** → **Sound Effect**” in turn to open the interior audio adjustment interface.



By dragging the sound wave to the desired area, you can adjust the position of the sound field inside the vehicle.

### Exterior Speaker Mode

In exterior speaker mode, music and multimedia audio from third-party applications are played outside the vehicle.

Tap “ → **Sound** → **Boombbox Mode**” in turn to enable or disable the multimedia exterior speaker function.

### Sentry Mode

#### Overview

When Sentry Mode is enabled, the XPENG App will alert the vehicle owner if an unusual vibration occurs after locking.

The vehicle's cameras will record the incident videos, which can be reviewed in the vehicle and synced to the owner's mobile phone.

#### caution

When Sentry Mode is enabled, the vehicle will consume a certain amount of battery power. The lifespan of the components related to the camera may be shortened by frequent activation of Sentry Mode. Please only enable it as needed.

### Air Suspension\*

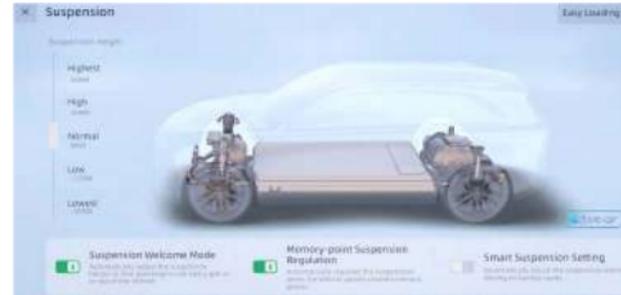
#### Overview

The vehicle features an intelligent dual-chamber air suspension. It combines factors such as driving mode, speed, and geographical data to intelligently adjust the vehicle's height. This balances stability at high speeds and ensures clearance during low-speed driving.



Tap “→Controls” in turn on CID, or tap the suspension area on the 3D vehicle model to set the air suspension functions.

## Suspension adjustment



- Suspension height: You can adjust the suspension height as needed. After adjusting the suspension height, a memory point will be set.
- Suspension for getting on the vehicle: The suspension height is automatically adjusted for easier entry and exit when getting in and out of the vehicle.
- Suspension adjustment based on memory point: The suspension automatically adjusts when passing through a pre-set memory point.



- Intelligent suspension adjustment: The suspension automatically adjusts when driving over rough terrain, based on intelligent road condition analysis.
- Easy loading: Lower the rear suspension height for easier loading and unloading of items. You can also adjust the suspension height by using the dropdown shortcut menu button on the CID or the suspension lift button on the trunk switch group.

### **i** Tips

- During the process of mitigating changes in the vehicle's pitch and roll angles during acceleration, deceleration, and turning, the air suspension will make a “**clicking**” sound. This sound is a normal operational noise from the dual-chamber air valve.
- The rated operating pressure of the air suspension reservoir is 18 bar.

- After repeatedly adjusting the air suspension height many times in quick succession, the system may enter a thermal protection status. At this time, you will not be able to continue adjusting the height of the air suspension. You need to wait for the air suspension system to cool down before you can continue adjusting.

### **!** caution

- For models equipped with air suspension, you must activate the suspension repair mode before lifting the vehicle, otherwise it may cause damage to the vehicle. After completing the lifting operation and lowering the vehicle back to the ground, you need to deactivate the suspension repair mode.
- Tap “→**Vehicle Settings**” in turn on CID, and then enable or disable the suspension maintenance mode in “**Others**” interface.



## caution

- For models equipped with air suspension, if there is any repair involving the remove and install of the air suspension, please contact XPENG Service Center for inspection and repair, otherwise, it may cause damage to the air suspension.
- If the air suspension fault indicator light on the ICM illuminates, do not continue to drive. Please park the vehicle in a safe area and contact XPENG Service Center for inspection and repair, otherwise, it may cause damage to the air suspension.

## Towing Mode\*

### Overview

Your vehicle is equipped with the towing caravan function, and the Towing Mode can be enabled on the CID. The driver shall possess appropriate qualifications and licenses to tow a caravan.

Please first check the regulations concerning motor vehicles in your area prior to tow a caravan. Since regulations may vary in different regions, you need to select a caravan with the right specifications and consult with local agents before towing.

## caution

- Please follow local laws and regulations when towing a caravan. Unauthorized refit is prohibited.
- Do not tow a caravan during the new car's break-in period.
- Please retract the traction device when not towing a caravan.
- Towing a caravan equipped with electric braking systems is not allowed.



## Dashboard Indicator



Trailer wiring harness normal, suspension/ESP/tow hook normal.



Trailer wiring harness normal, suspension/ESP/tow hook may have a fault, towing mode fails.



Trailer wiring harness fault, trailer signal lights fault, suspension/ESP/tow hook fault, towing mode fails.

## Turn On/Off Function

### Turn On

When the vehicle is in Park, tap “ → **Vehicle Settings**” in turn on CID to turn on/off the Towing Mode.

#### **caution**

- A secondary confirmation is required when turning on the tow hook and the Towing Mode, and it must be done in P gear.
- The switch of CID cannot be used during the movement of the tow hook, and it will be turned on after the hook is fully extended or retracted.
- After the tow hook is turned on, all other assistance driving functions, except AEB (Autonomous Emergency Braking) and FCW (Forward Collision Warning), cannot be



activated. After the tow hook is completely turned off, the relevant assistance driving functions will be restored.

The trailer caravan mode will not turn on when the following conditions occur:

- The vehicle is in non-P gear.
- The tow hook is turned off.
- Suspension malfunction, the ESP malfunction.
- The suspension is in repair mode, and the Suspension Leveling Mode is turned on.
- When calibrating sensors during the after-sales service, turn on the lock mode.
- When the lift mode or shipping mode is turned on.

### **caution**

The Towing Mode must be turned on when towing, or the vehicle will be damaged.

### **Turn Off**

After the caravan is disconnected from the tow hook, and the electrical plug is disconnected, tap the tow hook switch on the CID to exit the Towing Mode and retract the hook simultaneously.

### **Electrical Connector**



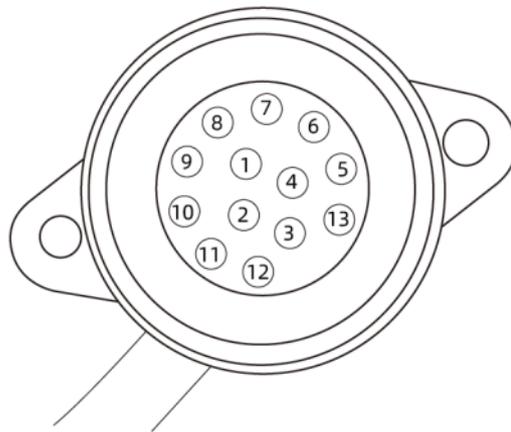


## Comfort Equipments

The electrical connector is installed on the tow hook, and it will be extended along with the hook after turning on the trailer hook on the CID. The connector can be used after the protective cover is opened.

### caution

Do not use high-pressure water guns to clean the electrical connector when it is not connected to the trailer interface to prevent water damage.



The vehicle is equipped with a 13-pin electrical connector coil, following the ISO 11446:2004 standard for the power supply socket. Each pin has specific functions as following:

Pin Number	Color	Function
1	Yellow	Left turning lamp



2	Blue	Rear fog lamp or reverse lamp
3	White	1-8 pin common ground wire
4	Green	Right turning lamp
5	Brown	Right turn signal
6	Red	Brake light
7	Black	Left turn signal (Mergeable with 5)
8	Pink	Reverse lamp
9	Orange	Jump-start the battery
10	Gray	Battery or refrigerator
11	Black and white	10-pin ground wire

12	Blue and white	Spare wire
13	Red and white	9-pin ground wire

## Rearview mirror and bracket

The exterior rearview mirrors of the towing vehicle must comply with the regulatory requirements. If not, please install appropriate trailer rearview mirrors.

Type I



Type II





### Type I

Adhesive on the exterior rearview mirror surface

### Type II

Mount the bracket clamp on the mirror frame.

### Technical Parameters

The vehicle's towing capacity is subject to vehicle specifications, loading, road conditions, trailer specifications, etc. To ensure driving safety, please do not exceed the speed limit or overload the vehicle. For specific parameters, please refer to the table below.

Item	Data
Maximum allowable traction weight (with brakes)[kg]	1500
Maximum allowable traction weight (without brakes)[kg]	750

Maximum tongue weight[kg]	75
Maximum dimension of passenger-car and trailer combination (length/width/height)[mm]	14500*2550*4000
Dimension limits for towing of center-axle trailers (length/width/height)[mm]	12000*2550*4000
Maximum dimension limits for the rear overhang of the trailer[mm]	3500
Electrical Connector	A 13-pin standard interface in compliance with ISO 11446:2004

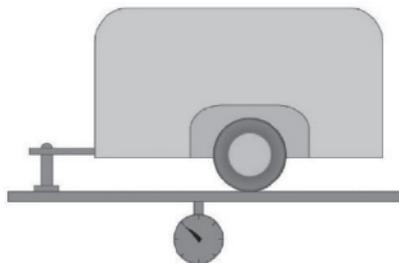
# Comfort Equipments



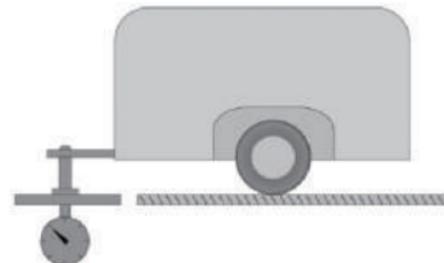
Hook joints	Comply with the joints size requirements of ECE R55 A CLASS
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## Maximum tongue weight

## Maximum allowable traction weight



Traction weight refers to the total weight of the trailer and its cargo.



The maximum tongue weight is the maximum vertical load the tow hook can handle at the joints with the trailer.

## Power Limit of the Trailer Taillight

The trailer taillight power shall not exceed the following specified values:



- Left/Right position light: 24W
- Left/Right turning lamp : 24W
- Rear fog lamp: 42W
- Reverse lamp: 42W
- Brake light: 42W

### Driving Precautions

#### Start Driving

Please ensure the tire pressure, lights, and connection devices of the towing vehicle and trailer are normal prior to driving. After the trailer is connected, turn on **“Towing Caravan Mode”** on the CID.

Please load the trailer cargo securely and ensure that the cargo is properly fastened. Ensure the trailer is level, otherwise, do not drive the vehicle.

Star the vehicle steadily and avoid sudden acceleration and emergency braking, especially when driving on wet and slippery roads, as it may cause the vehicle to skid and lose control.

Crosswinds and rough roads may cause the vehicle to sway, severely affecting vehicle handling. Whenever you notice slight swaying of the vehicle, grip the steering wheel firmly with both hands, and immediately slow down the vehicle gradually. Do not attempt to eliminate the swaying by accelerating the vehicle.

Try to avoid towing a loaded trailer while the towing vehicle is empty. If it is unavoidable, please drive at low speed as the loading is uneven.

#### Braking

The vehicle’s braking distance will increase when towing a trailer. Therefore, the distance to the preceding vehicle should be increased.

#### Overtaking

The length of the vehicle increases when a trailer is being towed. As a result, upon overtaking, you have to drive a greater distance to return to the original lane.



## Reversing

When reversing with a trailer, it is different from regular reversing and can be more challenging. Therefore, you should be especially cautious and practice it more.

Hold the bottom of the steering wheel by one hand when reversing. To steer the trailer to the left, turn the wheel to the left; to steer it to the right, turn the wheel to the right. Always reverse at a low speed, and seek assistance from others if possible.

## Cornering

When towing a trailer, make smooth turns, avoid bumps or sudden operation, and turn on the turn signal in advance. When turning, the turning radius must be wider than when no trailer is being towed. This is to ensure that the trailer does not collide with the shoulders, road signs, trees, or other objects.

## Driving on Slopes

When towing a trailer on steep or long slopes, it is recommended to decelerate in advance. The driving speed is determined by the trailer's weight and the steepness of the slopes.

Try to avoid parking on the slopes. If unavoidable, place chock blocks under the tires of both the towing vehicle and the trailer, and apply the parking brake.



### Seat belts

#### Advantage of Wearing Seat Belts Properly

Properly wearing seat belts can restrain the driver and passengers in restricted positions.

After a vehicle collision, properly wearing seat belts can assist other safety systems to absorb the energy generated by the collision at the same time, slowing down the inertia of forward motion of driver and passengers and preventing them from being thrown forward, while assuring them the best protection by the airbags and minimizing the injury impact.

#### Warning

The driver and passengers must wear seat belts properly, otherwise they will be thrown out forward in an accident, which will not only injure themselves but also endanger others in the vehicle.

#### Seat Belt Pre-tensioner

The seat belt pre-tensioner is activated in the event of a severe frontal or side crash, working in tandem with the airbags. It automatically tightens the seat belt webbing, reducing slack in the lap and diagonal parts of the belt, thereby minimizing the forward movement of the vehicle's occupants.





If the pretensioners and airbags are not activated at the time of a crash, it doesn't mean that they are broken. This normally means that the intensity or type of collision is not enough to activate them.

### Warning

After an accident, airbags and other related components must be sent for inspection and replaced if necessary. Once a seat belt pretensioner has been activated, it must be replaced.

## Checking the Seat Belts

To confirm that each seat belt is functioning properly, the following four inspection items shall be conducted:

1. Check the seat belt, buckle and other devices for damage, modification, bleach, stain or dirt.
2. Fasten the seat belt and pull it out quickly at the closest point to the buckle. The buckle shall remain securely locked.
3. Unbuckle the seat belt and retract it to the greatest extent. Check the seat belt for excessive looseness and wear.
4. Pull out the seat belt halfway. Hold the latch and pull the belt forward quickly. The internal locking mechanism of the seat belt will lock automatically.

If any seat belt fails any of the above test, please contact XPENG Service Center or Customer Service Center immediately.



### Adjusting the Shoulder Belt Height



1. Adjust the shoulder belt to the proper height by pinching the guide and moving it upward.
2. Release the shoulder belt guide.
3. Pull the seat belt quickly to check whether the guide has been locked.

 Warning

Do not adjust the seat belt height during driving.

### Fastening the Seat Belt





1. Slowly pull out the seat belt, and place it around the entire pelvis, chest, and collarbone, keeping it between the neck and shoulder.
2. Insert the latch into the buckle until it **clicks**, to ensure that it is locked into place.
3. Pull the seat belt hard to check if it is fastened.
4. Tighten the seat belt towards the reel.

### Unfastening the Seat Belt



1. Hold the seat belt latch.
2. Press the red button on the belt buckle.
3. Continue to hold the seat belt latch to ensure that the seat belt is slowly retracted.



### Use of Seat Belt by the Pregnant

Wearing a seatbelt properly can effectively reduce injuries to a pregnant woman and her fetus in the event of a collision or sudden stop.



Pregnant woman shall wear the crotch/shoulder belt properly. The shoulder belt should pass over the chest from a suitable position. The lap belt shall pass over the crotch as low as possible and

fit under the bulging abdomen. The safety belt must be flat and exert no pressure on the lower body of pregnant women.

Please consult your doctor.

### Use of Seat Belt by the Disabled

The disabled should also wear seat belts properly during riding.

Please consult your doctor for better advice.

### Seat Belt Indicator Lights

1.  Unfastened driver's seat belt warning indicator
2.  Unfastened front passenger's seat belt warning indicator
3.  Unfastened rear left seat belt warning indicator
4.  Unfastened rear middle seat belt warning indicator
5.  Unfastened rear right seat belt warning indicator



### Indicator

If the front passenger forgets to wear seat belt, the corresponding seat belt indicator on the instrument cluster will flash when the vehicle is static; when the vehicle reaches a certain speed while driving, the corresponding seat belt indicator on the instrument cluster will flash and the instrument cluster will pop up Warning window, accompanied by alarms.

If any rear passenger forgets to wear seat belt, the corresponding seat belt indicator on the instrument cluster will flash.

If all passengers have fastened their seat belts but the indicator is still flashing, re-buckle the seat belts to ensure that they are properly locked.

## Seat Belt Precautions

### Warning

- Everyone in vehicle shall wear the seat belt properly during driving, or there is a high risk of injury or death in the event of an accident.
- Do not press the seat belt against fragile or sharp objects (e.g. pens, keys, and glasses); the seat belt's pressure on these objects may cause injury.
- When wearing the seat belt, it must fit the body and not be distorted. The shoulder belt must pass over the middle of the passenger's shoulder and must be attached to the upper body of the passenger and fasten the body tightly. The lap belt shall be around the hip as low as possible. If necessary, pull it down slightly, and adjust its looseness by pulling in the retraction direction.



### Warning

- One seat belt is for one person only. It is prohibited to use one seat belt together with child by holding him/her on lap.
- In case of any sign of wear, cracking or other damages to the seat belt, please contact XPENG Service Center for replacement.
- Avoid exposing the seat belts to any chemicals, liquids, etc. If any seat belt fails to retract or be removed from the buckle, please contact XPENG Service Center for troubleshooting as soon as possible.
- Do not add any non-official accessory to the seat belt, including but not limited to the following products: additional latches, strap restrictors, buckle extension connectors, etc., as they may reduce or even disable the seat belt's normal protection.

### Warning

- Any seat belt shall be fully retracted without dangling if unused. If any seat belt cannot be retracted completely, please contact XPENG Service Center immediately for troubleshooting.
- Do not remove, install, modify or disassemble the seat belts, seat belt retractors, or seat belt anchors by yourself.

## Seat Belts with Collision Warning

7

### Motorized seat belt description

Seat belts have the following functions:

1. **Gap elimination:** When the vehicle is ready and the driver has fastened the seat belt, or when the driver returns to normal sitting position after leaning forward too much, the seat belt will automatically retract, eliminating the gap between the driver and seat belt strap for better restraint protection.



2. **Auto retraction:** When the driver unlocks the seat belt buckle, the seat belt will retract smoothly until it is fully retrieved.
3. **Secondary Collision pre-warning:** When the seat belt receives an FCM warning signal during driving, the seat belt will vibrate to alert the driver.
4. **Third Collision pre-tensioning:** When the seat belt receives an FCW collision pre-tensioning signal during driving, the seat belt will retract automatically, restraining the driver in the backrest and reducing the risk of injury or death.

### Note

In order to ensure that the electric seat belt works reliably, there is a limit to the number of times each function of the electric seat belt can be used. When the number of triggering times reaches the upper limit of its life, the corresponding function will no longer be triggered, other functions will not be affected. Please contact XPENG Service Center for replacement in time.

### Warning

- Do not modify or repair the seat belt by yourself, please have it inspected or repaired in XPENG Service Center.
- In a collision or similar situation, the seat belts shall be promptly replaced after being subjected to a strong impact. Replacement is also a must if a seat belt has any sign of wear or damage.



### Warning

- Although seat belts can alert you of a hazard, or avoid or mitigate injury to you in the event of danger, you still need to drive carefully to avoid the hazard.

## Airbags

### Introduction

The vehicle provides front airbags, side airbags, and far side airbags for the driver and front passenger, as well as head airbags for the front and rear occupants. If the front seats, seat belts, headrests and steering wheel are properly adjusted, the front airbags provide additional chest and head protection for the front occupants. It should be noted that the airbag system cannot substitute the seat belts. It only provides supplementary protection! Therefore, even if the front airbags are provided, the front occupants must wear seat belts.

### Warning

- Deploying the airbags only provides additional protection in the event of an accident, never rely solely on the protection provided by the airbags!
- The airbag system is able to provide full protection only when the occupant wears the seat belt properly, reducing the risk of injury or death in an accident.
- Do not place a rear-facing child safety seat on the seat with protection from a front airbag. Serious injury or death can occur.
- All occupants must be seated properly, fasten their seat belts before starting the vehicle, and wear seat belts at all times, even during driving in urban areas.
- Occupants must keep 25 cm away from airbags and shall not place their hands, feet, etc. on the airbag identification locations, or they may be injured when the airbags are deployed.

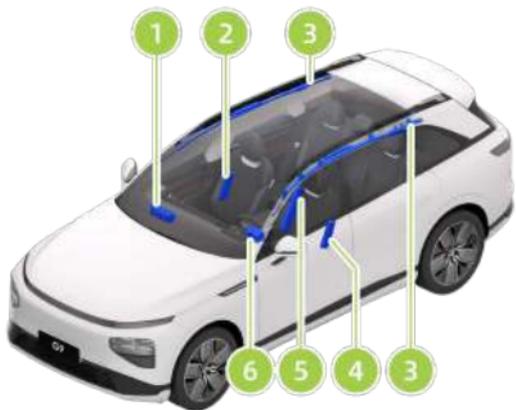


## Warning

- Do not install any radio device by yourself, or airbags may work improperly. If necessary, contact XPENG Service Center.

## Airbag Positions

The airbags are located in the areas shown in the figure below. The air bag warning tag is stucked on the sun visor.



1. Passenger airbag
2. Front side airbag
3. Left/Right side curtain airbag
4. Front side airbag
5. Far side airbag
6. Driver airbag

## Note

Airbags are not substitutes for seat belts. Seat belts can reduce the risk of serious injury or death in the event of an accident, whether the airbag is triggered or not. So the seatbelt must be worn correctly. Airbags can only provide protection when triggered, and they may not be triggered in all types of accidents.



### Airbag fault indicator

The indicator light  on the instrument cluster will come on for a few seconds when the vehicle is powered on and go off after system self-inspection. If the indicator does not go off after the system self-inspection or goes off and then comes on again or stays on, it indicates the airbag system is faulty. Please contact XPENG Service Center for troubleshooting as soon as possible.

### How Do Airbags Work

The airbag deployment does not depend on the driving speed, but on the collision strength detected by the collision sensors. The airbag may not deploy when the impact force of the collision is absorbed or dispersed into the body; However, sometimes the airbag may deploy depending on the different collision conditions. Therefore, the airbag deployment should not be judged based on the vehicle's damage degree.

The airbag may deploy in the following situations:

- When crossing a deep pit, the vehicle front hits the ground.
- The vehicle hits a prominence, kerb, etc.
- The vehicle front hits the ground when driving down a steep hill.

**The airbag may not deploy in the following situations:**

- The vehicle hits a concrete post, tree, or other long, thin object.
- The vehicle rear-ends into the underside of a truck.
- The vehicle is rear-ended by other vehicles.
- The vehicle overturns or rolls sideways.
- The vehicle collides with walls or vehicles in a non-front way.



The airbags deploy instantly and forcefully with a loud bang. The deployed airbags and seat belts can restrain the occupants' movement to reduce the risk of injury.

### Impact of the Airbag Deployment

When deployed, airbags will release gas and powder that may irritate your skin and eyes. At this time, get off the vehicle timely on the premise of safety. If you are unable to do so, open the window or door to keep the cabin ventilated.

If the powder comes in contact with your eyes or skin, rinse with water immediately. Seek medical advice in case of severe discomfort.

After deployment, the airbags will retract to provide the occupants with a progressive shock absorbing effect, avoiding the driver's forward vision from being obstructed.

#### Warning

- Airbags can only be triggered once. The triggered airbags and any affected system components should be replaced as soon as possible by XPENG Service Center.
- Airbags and related systems may be faulty even if they are not triggered in an accident. In this case, please contact XPENG Service Center for troubleshooting.
- XPENG Service Center has the necessary tools, diagnostic tool, repair materials and qualified technical professionals. The maintenance and modification of the vehicle shall be carried out by the XPENG Service Center.



### Warning

- Do not use any airbag components removed from end-of-life vehicles or any recycled airbag components. The deploying space of the front airbags shall be free of any objects that would prevent the airbags from deploying in the event of a front collision.
- Do not install a cup holder or phone bracket on the airbag cover or in any position within the airbag deploying space.
- Front passenger must not carry child, pet or objects that occupy the airbag deployment space. Both adults and children must follow this regulation.
- Do not attach any objects (e.g., portable navigation devices) to the front windshield glass above the passenger airbags.

### Warning

- Do not cover or attach anything to the steering wheel or the identification surface of the front passenger side airbag components, or make any modification to these areas.
- Do not stack items on the front passenger seat, as they may be bounced by airbags in the event of emergency braking, injuring occupants.

### Warning

- Do not use seat covers, which would limit the deployment of the side airbags in the event of an accident and reduce the accuracy of the system detection.
- Do not modify the airbag cover or add any parts near it. Passengers must not lean their heads against the doors. Otherwise, they be injured by the air curtain (when deployed).



## Warning

- Passengers must not place their feet, knees, or any other part of their body over or near the airbags. Doing so may prevent the airbags from deploying correctly or may cause fractures or other injuries to occupants if the airbags deploy.
- Do not place any object above or near the front airbags, the sides of the front seats, above the canopy on the vehicle side, on the airbag covers, and in any other positions that may interfere with the airbag deployment. As these items can cause serious injury if the vehicle is involved in a violent collision that causes the airbags to deploy.

## Warning

- Do not attempt to modify airbag components, wiring, and software. Otherwise, the airbag system may not work properly and cannot provide the necessary protection for the driver and passengers, as well as may fail or accidentally be activated in the event of an accident, increasing the risk of injury.



## Ride with Children

### Instructions for Ride with Children

To ensure the safe ride with children, install an appropriate child safety seat based on the child's age, weight and height in strict accordance with the instructions provided by the child safety seat manufacturer.

### Sun Visor Label

See the following label mounted on the sun visor.



## Front passenger airbag disabling



1. Front passenger airbag status indicator
2. Front passenger airbag on
3. Front passenger airbag off
4. Front passenger airbag switch



The front passenger airbag is on by default and can be turned off/on in the following two ways:

1. Tap the front passenger airbag status indicator on the status bar, then go to the switch setting interface.
2. Tap “ → **Settings**” on the CID to enter the interface, then slide down and tap the front passenger airbag switch.

## Warning

- Do not place a rear-facing child seat on the seat with an active frontal airbag. Death or serious injury to the child in the seat can occur.
- Be sure to select an appropriate child safety seat for the child based on his/her age, height and weight.
- One child seat is for only one child. Never constrain multiple children into one child seat with the seat belt.

## Warning

- Under no circumstances should a child or infant be carried in the occupant's arms during driving.
- Never leave a child unattended in the child seat.
- Never leave children unprotected in a vehicle. Always keep children in the correct seating position during driving. Never stand in the vehicle or kneel on the seat. If an accident occurs under these circumstances, it could be fatal to children and others.
- Any child seat that has been applied forces in an accident must be replaced.



### Recommended types of child seats

Both ECE-R44 and ECE-R129 standards apply to child seats in the country where the user is located.

ECE-R129 classification is based on a child height.

Child stature	Manufacturer	Type	Accessory
40cm-105cm	Dorel Europe	Maxi-Cosi Pearl 360 & FamilyFix 360 base	ISOFIX + Support Leg
61cm-105cm	HTS BeSafe	iZi Kid X3 i-Size	ISOFIX + Support Leg
100cm-150cm	Britax Romer	Kidfix i-Size*	ISOFIX + Belt

\*. For the best protection, it is recommended to use this child restraint system with the included backrest and be sure to attach the seat belt through Secure Guard and XP-pad.

ECE-R44 classification is based on a child weight.

Child weight	Manufacturer	Type	Accessory
22 kg- 36 kg	Graco	Booster Basic	Belt

Only a child seat that is compliant might be used in the vehicle.



seating position	Seating position						
	front left	front centre	front right <sup>1</sup>		2nd row left	2nd row centre	2nd row right
			with front passenger airbag activated	with front passenger airbag deactivated			
Seating position suitable for universal belted(yes/no)	No	No	Yes Forward facing only	Yes	Yes	Yes	Yes
I-Size seating position(yes/no)	No	No	No	No	Yes	No	Yes
Seating position suitable for lateral fixture(L1/L2)	No	No	No	No	No	No	No
Largest suitable rearward facing fixture(R1/R2x/R2/R3)	No	No	No	No	R1/R2x/ R2/R3	No	R1/ R2x/ R2/R3
Largest suitable forward facing fixture(F1/F2x/F2/F3)	No	No	No	No	F1/F2x/ F2/F3	No	F1/F2x/ F2/F3
Largest suitable booster fixture (B2/B3)	No	No	(B2/B3)*	(B2/B3)*	B2/B3	(B2/ B3)*	B2/B3

- \*Only applicable for installation with seat belt.
- During the installation of the CRS, the backrest angle of seats should be adjusted reasonably to ensure that the CRS remains stable.
- During the installation of the CRS, the height of the headrest should be adjusted reasonably or the headrest should be removed to avoid interference with the CRS. Do not remove the head restraint when using a booster cushion with no backrest.
- <sup>1</sup>When installing a CRS on the front passenger seat, adjust the front passenger seat as high as possible to securely install the CRS.



### For Tall Children

If a child is too tall to use a child safety seat, but too short to safely use a standard seat belt, purchase and properly use a child's booster cushion that meets the relevant regulations or standards. Use a child's booster cushion to increase the child sitting height, so that the shoulder belt stays right in the middle of the child's shoulder and the lap belt is lowered to the crotch.

### Child Safety Seat Installation

There are two general methods of installing child safety seats:

1. **Seatbelt fixed child safety seats:** This kind of seats should be secured with the vehicle's seat belts.
2. **ISOFIX fixed child safety seats:** This kind of seats can be secured to the anchor bars built into the rear seats of the vehicle.

### Installing a Seatbelt Fixed Child Safety Seat



1. Place the child safety seat on the seat, and pull out the seat belt completely. Fasten and buckle the seat belt according to the child safety seat manufacturer's instructions.
2. Retract the seat belt, push the child safety



seat firmly into the seat while tightening the seat belt.

3. If the child safety seat has an upper tether, attach the tether to the seat backrest.

### ISOFIX Anchor Points



The ISOFIX anchorages are located between the backrests and cushions of the rear left and right seats. The exact location of each anchorage is marked as above (as shown in the figure).

- ▶ The anchorages are located directly below the i-Size pictogram.
- ▶ The upper anchoring points are located at the back of the rear side seat backrests. When installing CRS, the anchor point of the corresponding side should be used. If the CRS is installed on the left seat, the upper anchor point must be the left one. It is forbidden to use the right one.



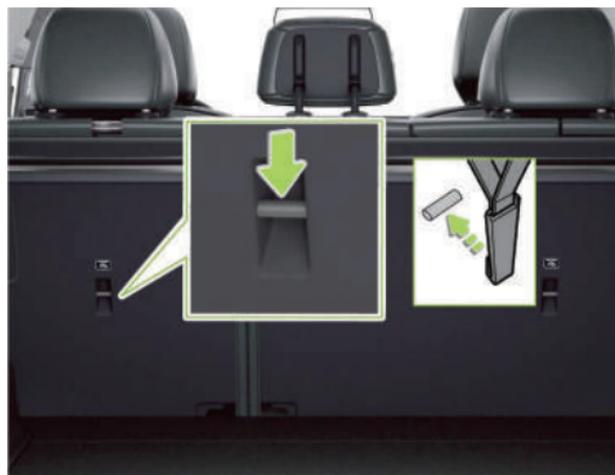
### Installing an ISOFIX Child Safety Seat



1. Place the child safety seat in the rear left/right seat.



2. Insert the lower anchor bracket of the child safety seat into the ISOFIX anchorages according to the child seat manufacturer's instructions.



3. Thread the top tether strap of the child safety seat through the headrest, pull it to the back of the backrest, connect the hook of the strap to the anchor point, and tighten the strap.



### Notes on installing a child restraint system

#### Warning

When installing a CRS on the front passenger seat, the below instructions can be followed if needed:

- Adjust the front passenger seat to its fully rear position.
- Adjust the front passenger seat as high as possible to securely install the child safety seat.
- The height of the vehicle seat belt can be adjusted if necessary to ensure that the vehicle seat belt passes through the belt guide correctly on the child seat without bending.
- The front passenger airbag must be activated immediately after removing the child seat from the seat.

#### Warning

When installing a child seat in the rear seat, the following instructions need to be followed:

- Please adjust the position of the front passenger seat reasonably to avoid collision between the child seat/child and the front seat.
- During the installation of the child seat, the height of the headrest should be adjusted reasonably or the headrest should be removed to avoid interference with the child safety seat.



## Checking the Child Safety Seat

After installing the child safety seat, check the seat for looseness:

1. Secure the child safety seat along with the seat belt and try to move/shake the seat from side to side, and from front to back.
2. If the seat can move more than 2.5 cm, indicating that it is too loose, fasten the seat belt or reinstall it to the ISOFIX anchorage.
3. If you cannot fasten the seat, try another seat position or replace the seat.

### Warning

- Never place a rear-facing child safety seat in a seat with an activated airbag, or it will pose a serious risk of injury or death.

### Warning

- The youngest children (under two years as minimum) do not have a fully developed spine and neck. This is why it is strongly recommended to install them in rearward facing child seat. The latest regulation of child seat impose the rearward facing child seat to accommodate child of 15 months minimum. A variety of child seat can accommodate even older, taller children (see recommended child seat in page 159).
- Infants and toddlers should never be allowed to sit on parents' laps. All children should be restrained in appropriate child safety seats at all times.
- To ensure a safe ride for your child, be sure to follow all instructions detailed in this manual as well as those provided by the child safety seat manufacturer.
- Do not use extensions for belts of seats installed with child safety seats or booster.



### ⚠ Warning

- For a tall child, ensure that the child's head is supported and that the child seat belt is properly adjusted and secured. The shoulder part of the seat belt must be fastened away from the face and neck, and the lap section must also be fastened away from the abdomen.
- Never attach two child safety seats to one anchorage, as one anchorage may not be firm enough to secure both seats in the event of a collision.
- The anchor points for the child protection device can only bear the load from a properly installed child protection device. Under no circumstances, shall the child protection device be used for adult seat belts, wiring harnesses or the installation of other items or equipment.
- Always check safety harnesses and tethers for damage and wear.

### ⚠ Warning

- Do not leave children alone in the car even if they have been put in child safety seats.
- Never use a child safety seat that has been modified, damaged, and in a car accident. Have the seat checked or replaced in accordance with the child seat manufacturer's instructions.

### Secondary Collision Mitigation (SCM)

#### Secondary Collision Mitigation (SCM) Description

Secondary Collision Mitigation: After the first collision, this function will automatically apply brake to slow down or stop the vehicle, thus minimizing the risk of a secondary collision and mitigating the damages.



### Alcolock

#### **Alcolock port**

The vehicle is equipped with an communication Alcolock, which can be installed with a LIN communication Alcolock (the port must meet the 50436-4 2022 version specification).



### Key

#### Smart Key



##### 1. Lock Button

- Within the effective range, when there is no one in the driver's seat and the vehicle is set to Park (P), and all car doors (including the front hood and trunk lid) are closed,

press this button briefly to lock all doors of the car. The turn signal will flash once, and the horn will beep once (if set) to indicate successful locking. The exterior door handles will retract, and the exterior rearview mirrors will automatically fold.

##### 2. Trunk Lid Opening Button

- Within operational range, double-click this button to open/close the trunk lid.

##### 3. Unlock Button

- Within the effective range, short press this button to unlock the car doors. The turning lamp will flash twice, and the horn will beep twice (if set) to indicate successful unlocking. The exterior door handles will open, and the exterior rearview mirrors will automatically unfold.

##### 4. Charging Port

- Within the effective range, double-click this button to open/close the charging port.



## i Tips

Tap “🚗 → **Vehicle Settings**” in turn on CID to set for exterior unlocking and locking feedback.

## Mechanical Key



If the smart key is unable to unlock or lock the vehicle, you can use the mechanical key for emergency unlocking or locking.

The mechanical key is provided separately with the car and is not integrated with the smart key. Please store the mechanical key separately and keep it well to prevent loss, so it is available when needed.

## Bluetooth Key

The mobile Bluetooth Key can serve as a substitute for the smart key to unlock and start the vehicle. Even in the underground garage without the mobile signal, you can still unlock and start the car, and the basic car control (such as windows, the trunk) and mobile parking functions also work.

## Creating the Key

Tap on XPENG App “**Creating the Bluetooth Key**” button, and complete the creating according to the instructions.



### Activating the Key

Tap the vehicle control interface of the APP “**Activating the Key**→**Activating Now**” in turn, and you can activate the mobile Bluetooth key.

### Authorizing the Vehicle and the Key

Please download and register the XPENG App in advance. Tap “**Vehicle Control**→**Settings**→**Authorization**” in turn, add the authorization of the mobile number, and you can use the digital key after the authorization is accepted and the key is activated.

#### **i** Tips

- The above operation need networking and there may be delayed feedback. If there are any problems, please try the operation again.
- Maximum 5 users can be authorized.

### Using the Bluetooth Key to Unlock, Start and Lock the Vehicle

Take the phone close to the vehicle, tap the vehicle control on XPENG App “**Bluetooth Key Starting**” button, and then you can use the Bluetooth key function.

The Bluetooth key can turn on the “**Automatic Unlocking When Approaching**” and “**Automatic Locking When Leaving**” function. The vehicle will be automatically unlocked when the phone approaches it and automatically locked when the phone leaves it.

Except for the basic vehicle control like “**Vehicle Locking and Unlocking and Trunk Opening**”, the Bluetooth Key can also operate functions like “**Intelligently Adjusting A/C**”, etc.

#### **i** Tips

- Please make sure the phone’s “**Bluetooth**” function is turned on before you use the mobile App Bluetooth Key.



- The Bluetooth connection range can reach 30-40m around the vehicle in the empty field, it will be varied due to the mobile Bluetooth hardware, human body blocking and the environment interference.
- Please do not close the mobile app after you unlock the vehicle. Keep the App running in background, otherwise, you may not be able to start or lock the vehicle.
- The vehicle can only connect one mobile App Bluetooth Key at one time. When multiple mobile App Bluetooth Keys approach the vehicle at the same time, please first unlock the mobile App, then the Bluetooth Key account will automatically log into CID (You can turn enable/disable this function in "**Settings→Key Management→Unlock and Log in CID**").

When you shift the gear and can't start the vehicle, please open XPENG App and try it again.

### Sensor-based Mode

When you approach the vehicle and open XPENG App, the vehicle Bluetooth will be connected automatically.

Tap "**Vehicle Lock**", if the Bluetooth is connected, shift the gear and the vehicle will be started automatically. If the Bluetooth is not connected, the key will be scanned when shifting the gear (please keep Bluetooth connected), if you can't start the vehicle, you can open APP and retry the gearing.

### Senseless

When you are approaching the vehicle, the vehicle will detect the signal strength of the mobile Bluetooth to locate the phone. The vehicle will be automatically unlocked when the phone approaches it and automatically locked when the phone leaves it.

Open XPENG App, tap "**Vehicle Control→Settings→Key Management→Automatically Unlocking When Approaching/Automatically Locking When Leaving**" in turn, and you can



set the automatic locking and unlocking function.

### **i** Tips

- The mobile App needs to be run all the way to ensure the relative location of the phone to the vehicle, to perform automatic locking and unlocking.
- If you reactivate the mobile App Bluetooth Key, reinstall the app, use another phone to log in, you need to reset **“Automatic Locking/Unlocking”** function.
- Make sure you have locked your vehicle before leaving it.

### **Common Problems on Automatic Locking and Unlocking**

1. What will lead to the failure of automatic locking and unlocking?
  - The phone has low battery and is in the low power mode.
  - The mobile system closes XPENG App.

- Unstable Bluetooth signal leads to abnormal disconnection.
- The Bluetooth signal is blocked by obstacles (backpack, human body, wall, etc.), leading to abnormal distance measuring.
- XPENG App is not opened after restarting the phone and updating the system.
- Leaving the car with car doors or the rear trunk not completely closed can cause the Bluetooth disconnection.

If you encounter the above-mentioned problems, please try the following solutions:

- Reduce the obstacle between the phone and the vehicle, e.g., take your phone out of the pocket or the backpack.
  - Open XPENG APP.
  - Restart XPENG APP.
2. As you approach the vehicle, could you open the door if the door handle does not extend?



The door handle will extend when you approach the vehicle for the first time from afar. If the door handle does not extend, you can directly pull the handle to open the door.

3. What will happen if multiple mobile keys approach the vehicle at the same time?
  - The vehicle can be unlocked as usual.
  - The Bluetooth can only connect 1 key, when multiple keys approach the vehicle at the same time, the key account which unlocks the vehicle will automatically log into the CID.

### Door

#### Opening Doors from Outside



You can unlock the vehicle by pressing the unlock button on the smart key, and then pull the exterior door handle to open the door.



### Electric suction locks for four doors

When the door is closed to the suction available position, the electric suction locks will automatically work until the door is completely closed.

#### warning

Due to the high self-suction force of the door locks, it is prohibited to reach out to prevent the door from closing during the self-suction process, so as to prevent pinching. If you need to stop the door from closing, you can pull the interior/exterior handle of the door to stop self-suction and reopen the door.

### Opening Doors from Inside



- When doors are unlocked, you can pull any interior door handles to open the corresponding door.
- When doors are locked, you can double pull any interior door handles to open the corresponding door. After you open one door, all doors will be unlocked.



## The Door Lock Switch



The door lock switch is located at the driver-side door armrest:

- Locking: When all the doors are closed, you can press this switch to lock all the doors.
- Unlocking: You can press this switch to unlock all the doors.

## Passenger Door Shortcuts



Tap “ → **Vehicle Settings** → **Passenger Door Shortcut Settings**” in turn on CID, to set the shortcut functions for passenger doors. After that, you can tap and use the shortcuts.

Tap to turn on the “**Boss Button**”, and the rear right passenger can move forward the front passenger seat by pressing and holding the shortcut button.



### Emergency Locking and Unlocking the Driver's Door

When doors can't be unlocked due to low voltage of the vehicle's 12V battery or the smart key, you can use a mechanical key to unlock doors.



Press the front side of the driver's door handle to extend it, then insert the mechanical key to the keyhole.

- The mechanical key rotates counterclockwise to unlock and clockwise to lock. Vehicles equipped with electric suction lock doors can be closed and locked directly.

#### **i** Tips

When unlocking, the mechanical key needs to be rotated back to the initial position before it is pulled out. If the key does not turn, you can insert the key till the end to continue the turning.

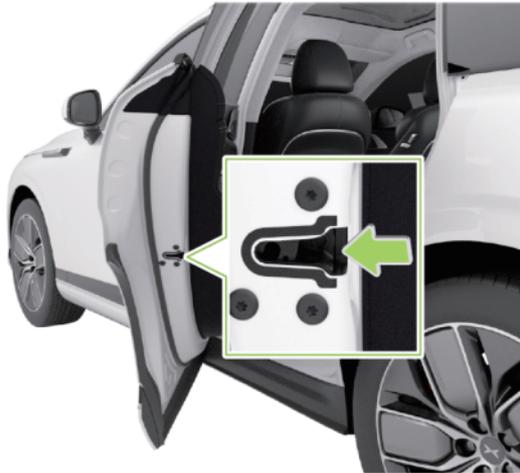
### Emergency Locking the Front and Rear Passenger Doors

In the case of low voltage of the 12V battery, if the driver's door is locked by the mechanical key, other doors will not be locked at the same time. In this occasion, you can use the mechanical key to turn the emergency lock knob on the door to be closed, and then complete the locking of the

## Getting in Vehicle



front passenger door or the rear doors in this way:



- Left doors: Turn the emergency lock knob counterclockwise, and the door will be locked when you close the door.
- Right doors: Turn the emergency lock knob clockwise, and the door will be locked when you close the door.

- Vehicles equipped with electric suction doors can be closed and locked directly.

### Locking Automatically when Parking

When the driver does not leave the seat, all doors are closed and the driver-side door is locked, and the vehicle is parked, the following operations will automatically unlock doors:

- The driver wears the seat belt and the gear is in P, the door will unlock when the driver unfastens the seat belt.
- The driver does not wear the seat belt, the door will unlock when the gear is shifted into P.

### Enable/Disable the automatic unlocking when parking





Tap “→Vehicle Settings” in turn on CID to enable/disable the automatic unlocking when parking.

### Automatic Unlocking in a Crash

When the airbag is triggered in the event of a serious crash, the vehicle will be unlocked once, and then unlocked again in 3 seconds.

#### Tips

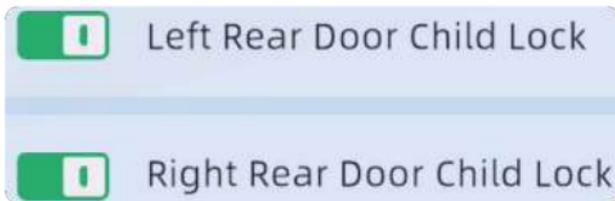
The turning lamp will flash when the vehicle unlocks in a crash. The turning lamp will stop flashing if the vehicle powers off or the warning light switch is pressed.

### Automatic Locking when Driving

When your driving speed exceeds 10km/h, and all the doors are closed with the driver's door unlocked, all the doors will be automatically locked.

### Childproof E-lock

The vehicle has childproof locks on both rear doors. When the lock is turned on, the doors can't be opened by the interior door handles. This can prevent children from opening rear doors accidentally and reduce the accident risk.



- Tap “ →Vehicle Settings” in turn on CID, and you can turn on/off the childproof lock.
- Slide down from the top of CID, turn on/off the childproof lock in the shortcut menu.

#### Tips

It is recommended that you turn childproof lock on whenever children are seated in the rear seats.



## warning

When the childproof lock function is fully turned on, the rear doors cannot be opened from inside. Please do not leave children alone in the car.

## Trunk

### Sensor-based Trunk



If there is a remote control key near the rear trunk, the rear trunk can be unlocked and opened or closed by foot movements.

- The effective sensing area is located on the left side of the rear bumper.



- If you lift your foot up close to the rear bumper, kick your toes into the rear bumper for at least 10 cm and then quickly take your foot back, the trunk will be opened or closed.

If a valid vehicle key is approaching the trunk, the sensor-based trunk function will be inadvertently triggered in some cases, thus triggering the trunk action. For example, in the case of cleaning under the rear bumper, or spraying huge volume of water or steam stream in the rear bumper area, or carrying out maintenance and repair in the trunk area, the trunk will automatically open accidentally, which may cause injuries to people within the trunk action range and damage to items.

### caution

- Please don't leave the valid vehicle key within the approach range of the rear trunk unattended.
- Please ensure that you turn off the sensor-based trunk function on CID before any maintenance and repair work on the vehicle.

- Please ensure that you turn off the sensor-based trunk function on CID whenever before the auto wash.

### Opening the Trunk via CID



- Tap “ → **Controls**” on CID, then tap the trunk in the 3D vehicle model in the current interface, and the trunk will automatically open to the limit position.
- Scroll down from the top of CID to open or close the trunk with shortcuts.



### Adjusting the Opening Angle of the Trunk

If the space behind or above the vehicle is smaller than the opening range of the trunk, the default opening angle of the rear trunk can be adjusted via CID or the switch in the trunk.

#### Adjusting the Opening Angle of the Trunk on CID



Tap “ → **Vehicle Settings**” in turn on CID, and in “**Trunk**” menu interface you can adjust the opening angle of the trunk.

#### Adjusting the Trunk Opening Angle by the Interior Trunk Switch

Adjusting the trunk opening angle:

- Stop when the trunk is opened to the desired height (at least half-open), press and hold the interior trunk switch until you hear a confirmation chime, and the system will then store the adjusted opening angle.

Restoring the trunk opening angle:

- Lift the opened trunk with force to the mechanical limit height, press and hold the interior trunk switch until you hear a confirmation chime, and the system will then restore the adjusted opening angle.

### Opening the Trunk via the Smart Key

If you double-tap the button on the smart key within the effective range, the trunk will automatically open to the limit position.



### Controlling the Trunk by Interior and Exterior Trunk Buttons

#### Electrically Opening the Trunk



When the vehicle is unlocked, you can press the exterior trunk switch and the trunk will automatically open.

#### Electrically Closing the Trunk



- Press the interior trunk button.
- Or you can move the trunk toward the closing direction until it is automatically closed.

## Getting in Vehicle



### Interrupting the Opening or Closing of the Trunk

In the process of opening or closing, pressing the interior or exterior trunk button can interrupt the opening or closing of the trunk.

Press the interior or exterior trunk button again, and the trunk will be returned to the starting position.

### Emergency Opening the Trunk

When the trunk cannot be opened by conventional means (the smart key, CID, trunk buttons or XPENG App), you can open the trunk via emergency means.



1. Fold down the rear seat backrest and get into the trunk.
2. Use tools to open the decorative cover on the emergency unlocking device.
3. Turn the green lever to the left and hold it, and then press the white lever to unlock and open the trunk.



### Trunk Anti-pinch Proof

If an obstacle is detected during the automatic opening or closing of the trunk which limits the trunk movement, the opening or closing movement will stop and the anti-pinch function will turn on.

- If the opening process is interrupted, the trunk will stop moving, a long warning sound will be made and the trunk will move back a little to ensure that it will not long press against the obstacle.
- If the closing process is interrupted, the trunk will stop moving, a long warning sound will be made and the trunk will move back a little.

#### warning

When opening or closing the trunk automatically, please make sure there is no one nearby, so as to avoid the pinch-induced injury.

### Up/down Switches of Trunk Inner Suspension\*



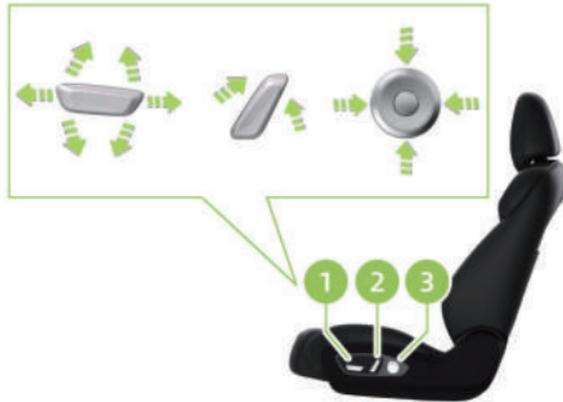
Press the up or down switch of the trunk inner suspension to adjust the height of the trunk, which can facilitate the loading and unloading of items.



## Seating

### Adjusting by Switches

#### Driver/Front Passenger Seat Switch



1. Seat/Cushion adjustment switch
  - Adjusting the seats forward and backward: toggle the switch forward/backward.

- Adjusting the seat height: toggle the rear part of the switch up/down
  - Adjusting the cushion height: toggle the front part of the switch up/down
2. Switches of adjusting the angle of the backrest
3. Switches of adjusting the massage and leg support/lumbar support\*

The function of switches can be set on CID:

- Adjusting the massage and leg support: tap the left and right buttons to adjust the leg support, tap the up and down buttons to switch the massage mode, tap the round button to adjust the massage intensity and switch, and press and hold the round button to turn off the massage.
- Adjusting the lumbar support: tap the left and right buttons to adjust the lumbar support forward and backward, and tap the up and down buttons to adjust the height of the lumbar support.



### **i** Tips

The front passenger seat can't adjust the cushion height.

Tap “ → **Controls** → **Seat**” in turn, and you can set the switch functions of massage and leg support/lumbar support.

### The Boss Button of Front Passenger Seat



Boss button is equipped on the upper left side of the front passenger seat backrest, which is convenient for the rear seat passengers to adjust the front passenger seat.



### Rear Seat Backrest Adjustment Switch



The rear door panels are equipped with rear seat backrest adjustment buttons, which is convenient for rear passengers to adjust the backrest angle.

#### **i** Tips

If the seat function goes abnormally when you are using (such as can not adjust the seat

through buttons, CID and voice), you can try to initialize the seat manually and then use it.

Initialization operation of the front seats: toggle forward the backrest angle adjustment switch to adjust the backrest to the foremost position, then hold it for about 1 second and then release it. Toggle the switch forward again within 5 seconds and hold it for about 1 second and then release it. If the seat starts to adjust its position by itself, it indicates that the seat initialization is successful.

Initialization operation of the rear seats: adjust the backrest of the rear seats to move backward by physical buttons until they are locked, and release them after they are locked for about 1 second. Toggle the physical buttons again to adjust the backrest backward to be locked within 5 seconds and release it after holding it for over 5 seconds.



### Rear Seat Leg Rest/Massage Switch\*



- Front and rear buttons: the leg rest is adjusted back and forth.
- Up and down buttons: switch massage modes.
- Round button: massage switch/massage intensity adjustment.

### Folding Rear Seats Switch

The rear seat backrest can be folded for storing large luggage.

#### **i** Tips

After the seats are folded down, the trunk can provide 1576L storage space.



## Getting in Vehicle



The right side of the trunk is equipped with a rear seat folding down switch, which is convenient for passengers to fold down the rear seats.

If you need fold back the seat backrest, pull out the seat belt, lift up the seat backrest and push it back to lock it.

### Seat Adjustment Parameters

In the initial position, the adjustment parameters of the seat are as follows:

	Item	Parameter	Remark
Driver's seat	Forward-backward adjustment	The total range is 260mm, 48mm forward and 212mm backward.	
	Up-down adjustment	The total range is 65mm, 32.5mm upward and 32.5mm downward.	
	Backrest adjustment	The total range is 95°, 20° forward and 75° backward.	

#### **caution**

After the seat back is locked, the backrest angle should be adjusted by using the rear seat backrest adjustment switch.



Front Passenger seat	Forward-backward adjustment	The total range is 260mm, 48mm forward and 212mm backward.	
	Up-down adjustment	The total range is 65mm, 32.5mm upward and 32.5mm downward.	No leg rest
	Up-down adjustment	The total range is 32.5mm, 32.5mm upward and 0mm downward.	Equipped with calf rest
	Backrest adjustment	The total range is 95°, 20° forward and 75° backward.	



## Adjustment via CID

### Seat Adjustment



Tap “ → **Controls** → **Seat**” in turn on CID to enter the adjustment interface.

After determining which seat and parts to adjust, you can adjust “**Seat Height, Seat Position**” etc.

### Seat Memory



Tap “**Save**” to save the current seat information and the exterior rearview mirror position information to the current vehicle use habits.

- You can switch the vehicle use habits in the User Center interface.

Tap “**Restore**” to load the seat position info and the exterior rearview mirror position info from the current vehicle use habits.

- Premise of the seat position loading: detecting the driver is in the seat and the vehicle is stationary.



### Electrically Adjusting the Thigh Support in Two Directions



Select “**Passenger**→**Leg Rest**”, and you can move forward/backward the leg rest.

### Electrically Adjusting the Calf Support in Two Directions\*



You can move forward/backward the legrest by pressing the button behind the driver's seat and the front passenger seat.

#### **warning**

- Please be careful when adjusting the seats and ensure that other passengers will not be hurt.
- Please don't put your fingers or other body parts under the seats to avoid being pinched.



- Please don't leave foot mats or other objects (beverage bottles, charcoal bags, etc.) with over 10mm thickness which may be caught between seats and guide rails. This may be obstructive to seat adjustment and locking, and cause damage to the seats. It's recommended that you use XPENG authorized foot mats.
- Please don't adjust the front seats while driving, which may lead to improper seating position during the adjustment and a high possibility of injury and death.
- Please don't adjust seats while wearing the seat belts, so as to avoid the abnormal status of seat belt use, and this may cause damage to passengers and protection failure.
- Please do not refit or remove the front seats by yourself without professional training.

## Seat Massage\*

### Seat Massage



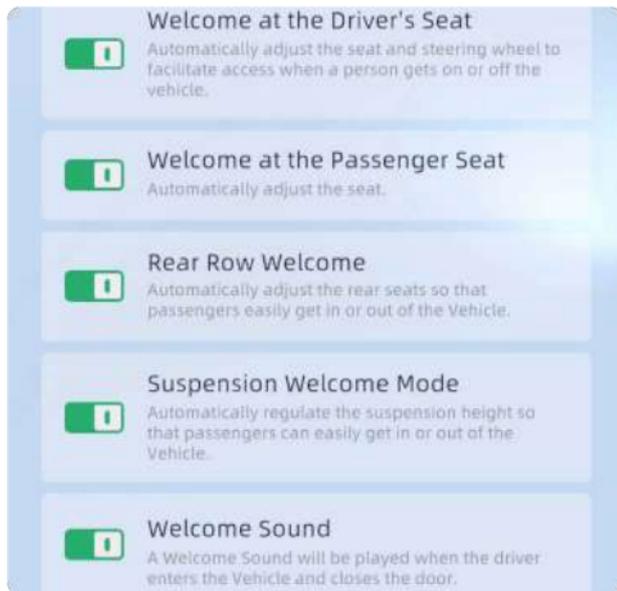
- Set the massage intensity of driver's seat, the front passenger seat and the seats behind them.
- Choose different massage modes

## Adjusting the Heating and Ventilation Function of Seats

You can set the seat heating and ventilation function in the A/C interface. [See 108 page](#)



### Welcome Mode



passenger welcome, rear passenger welcome, and suspension welcome (only available on high-end models).

You can also turn on and set the welcome sound effect in this interface. After setting the welcome sound effect, the driver enters the vehicle, and after closing the door, the interior welcome sound effect will be played.

#### **caution**

After the driver's seat welcome function is activated, opening the driver's side door will move the seat backwards to a convenient position for getting in or out of the car. After closing the door, the seat will move forward to the memory position, making it convenient for the driver to get in and out.

Tap “ → **Vehicle Settings**” in turn on CID, in the “**Welcome Mode**” interface, you can enable or disable the driver welcome, the front



## Headrest

### Adjusting Headrest Height



- Descending: press and hold the locking button, and lower the headrest to the required position.
- Ascending: directly lift the headrest to the required position.

## Removing and installing Headrest

### Removing:

- When removing the front seat headrests, you need to adjust the seat backrest to ensure that there is enough space for removing the headrest. Press and hold the locking button located at the side of the headrest and lift it upward to remove the headrest.
- Press and hold the lock button, and lift the headrest out.

### Installation:

- Insert the metal guides at the lower end of the headrest into the openings of the corresponding seat backrest. Push the headrest down until secure.
- Adjust the headrest in a correct sitting position.

### **caution**

Be careful not to collide with the roof or other parts in the vehicle when removing



and installing the headrest, otherwise, it may damage the roof or other parts in the car.

### Rear Center Armrest



There is a center armrest in the backrest of the middle seat of the rear bench seat. When people need to use it, fold the center armrest down

to the limit position, and fold it back into the backrest when not using it.



After the central armrest is folded down, you can open the cover plate to employ the storage space. Press the button on the front of the armrest to open the cup holder.

# Getting in Vehicle



## Interior Rearview Mirror

### Automatic Anti-Dazzle Interior Rearview Mirrors



1. Front light sensor
2. Rear light sensor

The light sensor detects the intensity of light from the rear and front of the vehicle. According

to the measured data, the interior rearview mirrors will automatically adjust the anti-dazzle state.

- Please do not block the light sensor on the interior rearview mirrors, and clean the dirt on the surface of the light sensor in time.

## Exterior Rearview Mirror

### Electrically Adjusting the Exterior Rearview Mirror



1. Tap “→**Controls**” in turn on CID, tap “**Rearview Mirror Adjustment**” switch



on the current interface or tap the 3D model “**Rearview Mirror**” to enter the adjustment interface.

### **i** Tips

Scroll down CID to open the rearview mirror adjustment function in the shortcut menu.



2. The operation of the left and right buttons on the steering wheel:

- Scroll up or down the left/right scroll wheel of the steering wheel to adjust the upward/downward angle of view of the left/right exterior rearview mirror.
- Short press or press and hold the left/right button on the steering wheel to adjust the angle of view of the exterior rearview mirrors of the corresponding side.

### **!** warning

- You can adjust the exterior rearview mirrors when the vehicle is stationary.
- When the exterior rearview mirror is being folded or unfolded, please ensure that no fingers are caught between the exterior rearview mirror and the mirror base.
- Please do not manually press the rearview mirror to adjust the tilt angle.
- Never refit the exterior rearview mirror by yourself without professional training.



### caution

- When the exterior rearview mirror is adjusted to the limit position, the mirror lens will pop up notice, which is normal. If you continue to adjust in this direction, the rearview mirror may be damaged.

## Automatically Folding and Unfolding the Exterior Rearview Mirrors

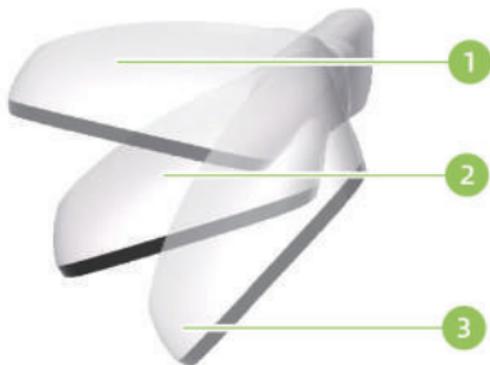
Folding: the exterior rearview mirrors fold in automatically when the vehicle is locked.

Unfolding: the exterior rearview mirrors fold out automatically when the vehicle is unlocked.

## Folding or Unfolding the Exterior Rearview Mirrors via CID



Tap “ → **Controls** → **Side Mirror Angle Regulation**” in turn on CID, and you can fold/unfold the exterior rearview mirrors.



1. Folding forward
2. Standard folding
3. Folding backward

The accidental impact or artificial press may lead to the exterior rearview mirror forward folding or back folding. The normal position can be restored according to the following operations.

1. Fold out the exterior rearview mirror via CID and wait for the completion of the movement.
2. Manually fold out the rearview mirror to the normal position.

### **i** Tips

Before manual reset, please check whether there are objects such as ice and snow on the folding surface, and fold them back only after removing the objects, otherwise the folding structure of the exterior rearview mirror will be subject to damage.



## Automatically Tilting Downward When Backing Up



1. Tap “ → **Controls**” on CID, and tap the exterior rearview mirrors of the 3D vehicle model, in the “**Side Mirror Angle Regulation**” interface, you can enable/disable the automatic downward tilting when backing up function of the left/right rearview mirror.
2. When the vehicle is in gear R, the corresponding side (the auto-tilt function has been set) exterior rearview mirror will

automatically tilt downward to a certain degree to assist the back up.

## Exterior Rearview Mirrors Position Memory Function

The mirror can store different positions tailored to preferences of different users.

## Heating Function of the Exterior Rearview Mirrors and the Rear Windscreen



1. When the vehicle powers on, enter the A/C interface.
2. Tap “” button, the heating function of the exterior rearview mirrors and the rear windscreen will turn on simultaneously, tap again to turn off.



### caution

- When the vehicle is not started, it is prohibited to use the exterior rearview mirrors heating function for a long period of time, so as to avoid the 12V battery low voltage which will result in the vehicle unable to be started.
- When the heating function of the exterior rearview mirrors is turned on, please do not touch it with your hands.

### Tips

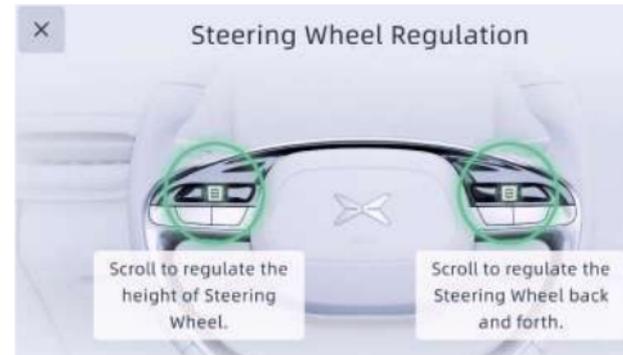
- When the exterior rearview mirrors and rear windscreen heating function is turned on, if you do not manually turn it off, the system will automatically turn it off after 14 minutes of heating.
- If the 12V battery voltage drops below 9V during the heating process, the system will automatically turn off the heating function.

## Exterior Rearview Mirror Anti-Dazzle

The light sensor detects the intensity of light from the rear of the vehicle. According to the measured data, the exterior rearview mirror will automatically adjust to the anti-glare status.

## Steering Wheel Adjustment

### Electrically Adjusting the Steering Wheel Position



## Getting in Vehicle



Say “Hello, Xiao P, adjust the steering wheel” or tap “🚗→**Controls**→**Steering Wheel Regulation**” in turn on CID, after enabling the steering wheel adjustment function, you can move the steering wheel forward and backward and up and down to the appropriate position via the left and right scroll wheels on the steering wheel.

### Tips

Scroll down from the top of CID to open the steering wheel adjustment function on the shortcut menu.

### caution

- If you roll the left and right scroll wheels simultaneously, the system will prioritize the side which issues the fastest command, and then execute the adjustment issued by the other side.
- It is prohibited to use the scroll wheels continuously for a long time to adjust the steering wheel position. Prolonged continuous operation will cause the electric

adjustment device to enter the overheat protection state, and you will need to wait for some time before using it again.

- The sound made during the adjustment is normal. If any abnormality is founded, please contact the XPENG Service Center.

## Setting the Steering Wheel Sensitivity

### Steering Assist

Do not adjust the steering wheel while driving.

COMFORT

STANDARD

SPORT

Tap “🚗→**Vehicle Settings**” on CID, in the “**Driving**” interface, you can set the steering wheel sensitivity mode:

- Comfort: smallest steering effort, recommended in comfortable driving.
- Standard: moderate steering effort, recommended in general driving.



- Sport: largest steering effort, recommended in sport driving.

 **warning**

- Do not adjust the steering wheel or set the steering sensitivity mode while driving.
- It is not recommended that the driver manually set the steering sensitivity mode while driving. The driver can switch steering sensitivity mode by voice control.



## Vehicle Power On/Off

### Powering On

The vehicle can be unlocked via the smart key (including XPENG App). The vehicle will power on automatically when the door is open (excluding the trunk).

If the smart key is in the vehicle when the vehicle powers off, press brake pedal and the vehicle will power on automatically.

### Powering Off

#### Normal Powering Off

If the vehicle is powered on or in the READY status, and the driver's seat is not occupied and all doors (including the front hood and trunk lid) are closed, the following actions will cause the vehicle to be powered off:

- Lock the vehicle via the smart key.
- Unlock the vehicle via XPENG App

#### Emergency Powering Off



The vehicle can perform powering off when the driver is in the seat or doors are open.

- When the vehicle is stationary, if you press and hold the emergency powering off switch for 5 seconds, the vehicle will power off.
- When the vehicle is not stationary, if you press and hold the emergency powering off switch



for 5 seconds, the ICM will display pop-up, and you need to tap and confirm before the vehicle power off.

### Automatic Powering Off

If there is no one in the driver's seat, the vehicle is parked, all doors, front hood, and trunk are closed, and there is no operation in 1 hour, the vehicle will automatically power off.

When the automatic powering off countdown comes to 10-minute, CID will pop up a reminder. You can tap Cancel to restart the 1-hour countdown.

### Start the Vehicle

#### Emergency Starting the Vehicle

If ICM displays **"Please Replace the Key's Battery"**, it means the smart key battery is very low. If you can't replace the battery in time, you can try the emergency start:



1. Put the smart key in the position of the arrow on the sub IC.
2. Press brake pedal and shift the gear into R or D, and the vehicle will start.

#### **i** Tips

Emergency start is only an emergency way. Please replace the smart key battery in time



to prevent the further vehicle use from being affected.

### ICM

#### ICM Overview

The current vehicle is equipped with the 10.25-inch LCD ICM, which can display functions of music and entertainment, navigation, vehicle status monitoring, SOS, etc. in an integrated way. In daily vehicle use, please pay frequent attention to the information displayed on ICM to get informed of the real-time vehicle status.

The ICM of different vehicle models will be different due to the setting, function use, vehicle configuration, software version and other factors. The diagram is only for reference, please refer to the actual vehicle for details.



## 1. Information Display Area

- You can switch the info display by the scroll wheel on the steering wheel, including vehicle status, energy consumption, mileage, navigation and music.

## 2. Speed Limit Information

- Display the Speed Limit Information Detected by the System Including: speed limit signs, variable speed limit signs, speed limit de-restriction signs, regional speed



limit signs, multi-lane road speed limit signs, multi-speed-limit signs, and speed limit of expressway off ramp.

### 3. Indicator Lights

- Indicator lights display at different positions on ICM and reflect the status of vehicle functions.

### 4. Speed

### 5. Gear

### 6. Driving Mode

### 7. Comprehensive Information Display Area

- Display the simulated external environment of the vehicle.
- Display the warning information of intelligent assisted driving function.
- Display the alarm information of the vehicle.

### 8. The power meter/remaining range

- Display the SOC of vehicle traction battery, and estimate WLTP and remaining dynamic range.

### 9. Time

### 10. Temperature

#### **warning**

- Please do not operate ICM while driving.
- Only make settings on ICM when the vehicle is stationary, so as to reduce the risk of accidents and injuries.

#### **Tips**

You can set the sound and brightness of the ICM via CID.



### Warning Lights and Indicator Lights

After the vehicle powers on, some indicator lights will come on. When the system completes the self-check with the normal result, these lights will go off. Some indicator lights light up to display the current status of vehicle system functions, it does not mean the system fault. If you have any question in daily use, you can contact XPENG Service Center for further information.



Adaptive Cruise Control Activated Indicator Light



Electronic Parking Brake (EPB) Status Indicator Light



Adaptive Cruise Control Available Indicator Light



Electric Parking Brake (EPB) Malfunction Indicator Light



Lane Centering Control Indicator Light



Electronic Power Steering (EPS) Indicator Light



Lane Centering Control Indicator Light

READY

READY Indicator Light



Lane Centering Control Delayed and Exit Indicator Light



Tire Pressure Monitoring System Warning Light



Traction Battery Low Power Indicator Light



Traction Battery Too Cool Indicator Light



Master Warning Light



Driver's Seat Belt Not On Indicator Light



The Front Passenger Seat Belt Not On Indicator Light



The Rear Left Passenger Seat Belt Not On Indicator Light



The Rear Middle Passenger Seat Belt Not On Indicator Light



The Rear Right Passenger Seat Belt Not On Indicator Light



Airbag Fault Indicator



Door Open Indicator Light



Battery Malfunction Indicator Light



External Charging Cable Connection Indicator Light



Electrical System Malfunction Indicator Light



Electric Motor and Controller Overheat Indicator Light



Electric Motor and Controller Malfunction Indicator Light



Traction Battery Temperature Overhigh Indicator Light



Traction Battery Malfunction Indicator Light



Traction Battery Power Off Indicator Light



## Proper Driving



Rear Fog Lamps Indicator Light



Clearance Lamp Indicator Light



High Beam Indicator Light



Smart High Beam Light Activation Indicator Light



Smart High Beam Malfunction Indicator Light



Smart High Beam Switched On Indicator Light



Low Beam Indicator Light



AUTO HOLD Malfunction Indicator Light



AUTO HOLD Switched On Indicator Light



XPILOT Malfunction Indicator Light\*



Horsepower Limit Indicator Light



Thermal Management System/Water Temperature Sensor Malfunction, Engine Coolant Temperature Warning Light



Braking System Malfunction Indicator Light



iBooster Malfunction Indicator Light



Automatic Low Beam Indicator Light



Anti-lock Braking System (ABS)  
Indicator Light



Left Turn Signal and Danger Warning  
Indicator Light



Scheduled Charging Indicator Light



Right Turn Signal and Danger Warning  
Indicator Light



Hill Descent Control (HDC) Malfunction  
Indicator Light



EPS Indicator Light



Hill Descent Control (HDC) Indicator  
Light



ESP OFF Indicator Light



Forward Collision Warning Malfunction  
Indicator Light



Air Suspension Serious Malfunction  
Indicator Light\*



Forward Collision Warning Switched Off  
Indicator Light



Trail Function Switched Off Indicator  
Light



Air Suspension Part Malfunction  
Indicator Light\*



Trail Function Malfunction Indicator Light\*



Trail Function Normal Indicator Light\*



Low washer fluid level indicator

## Exterior Lights

### Control Via CID

Tap “ → Lights” in turn on CID, and you will enter the vehicle light control interface.



1. Turn off all the exterior lights

- All exterior lights will turn off after you tapping. If you need turn off the light, please tap the corresponding light switch.

2. Clearance lamp

- Tap to turn on the Clearance lamps, license plate lamps, etc.

3. Low beam

- Tap to turn on the low beam headlights and Clearance lamps.

4. Automatic control

- Tap to turn on the automatic control function.

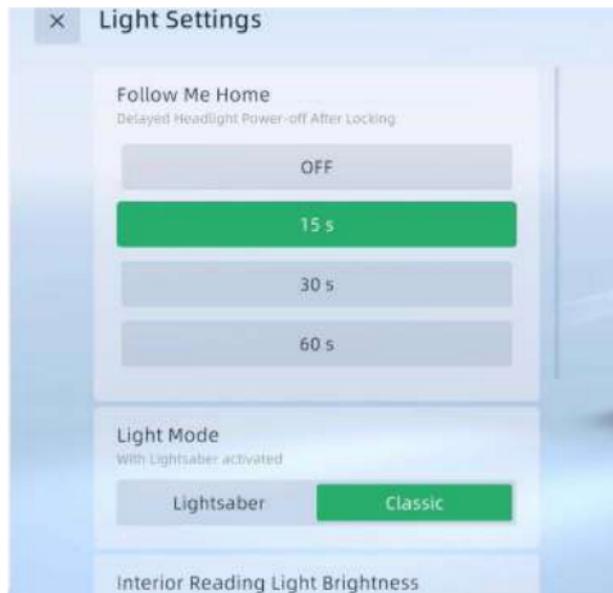


## caution

The automatic control function may be affected by the exterior environment. When it is not in normal use, please manually turn on the lights in time according to the road condition.

### 5. Rear fog lamps

- Tap to turn on/off the rear fog lamps.
- When the low beam are off, the rear fog lamps will turn off.



### 6. Lights setting



- Tap to set functions like Light Up My Road Home, clearance lamps, interior reading light brightness and the light signal setting.

### Light Up My Road Home

- Tap the corresponding button to turn on the Light Up My Road Home and set the lighting duration.
- When this function is turned on and the vehicle parks in low ambient light, the low beam light will be turned on for 15s/30s/60s after the vehicle powers off, and then turned off. If the vehicle powers on in 15s/30s/60s, the low beam light will go out immediately.

### Clearance Lamp Mode\*

- Tap “**Classic**” button, switch to the classic mode.
- Tap “**Lightsaber**” button, switch to penetrating clearance lamp.

### Interior Reading Light Brightness

- You can switch the interior reading light brightness of moderate/low/high

#### **i** Tips

- The interior reading light brightness could be adjusted when doors are opened with the reading light turned on, and it will remain at the current brightness level. The brightness cannot be adjusted when doors are opened with the reading light off, and it will be at the lowest brightness level.
- The brightness can be adjusted to three levels in a reading scenario: low, medium and high.

### Daytime Running Lamp

On: When the vehicle is in READY state, at non-P gear, and the low beam and turning lamp are off, the daytime running lamp will be on.

Off: When the whole vehicle is powered off or not in READY state, at P gear, and the low beam and

## Proper Driving



turning lamp are turned on, the daytime running lamp will go off.

### High Beam



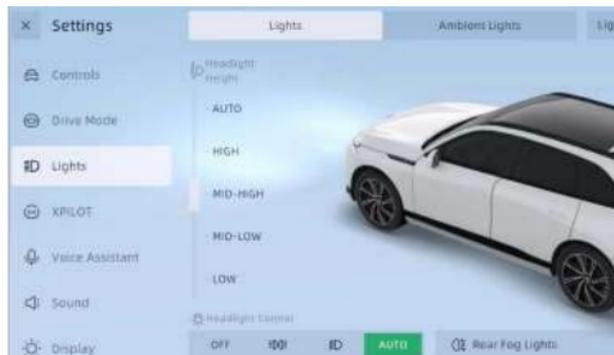
- After the low beam is on, move the combination switch forward once, and the high beam is on. Move the combination switch forward again, and the high beam goes off;

- Continuously move the combination switch backwards and release it, and the high beam will flash to remind the preceding vehicle.

#### caution

High beam will cause glare to oncoming drivers. Please use high beam reasonably.

### Headlight Height Adjustment



Tap “ → **Lights**” in turn on the CID, to set the height of the headlights.



Please refer to the table below for the proper headlight height for vehicle driving and load adjustment.

Condition	Headlight height position
Driver only	Highest
Only the driver and one front passenger	
5 persons in the front and rear seats	Higher
There are five persons in the front and rear seats, with luggage in the trunk (within the maximum allowable axle weight and vehicle weight limits)	Lower
Only the driver, with luggage in the trunk (within the maximum	Minimum

allowable axle weight and vehicle weight limits)	
--	--

### Auto Mode\*

Select Auto Mode, and the vehicle will automatically adjust the headlight height according to the load.



### Turning Lamps



After turning on the turning lamps, the corresponding indicator on the ICM flashes and a “**clicking**” sound is heard.

- Move the combination switch down to turn on the left turning lamp, and the indicator  on the ICM will flash.

- Move the combination switch up, turn on the right turning lamp, and the indicator  on the ICM will flash.
- Gently move the combination switch to the left/right lane change switch position or return the steering wheel to turn off the turning lamps.

### Lane Change Flashing Light

To indicate lane change, gently move the combination switch up or down to the resistance point and release it. The combination switch will immediately return, and the corresponding turning lamp will flash for 3 times.



### Hazard Warning Lights



- Press the hazard warning light switch on the roof switch panel to turn on the hazard warning lights, and all turning lamps will flash. Press again to turn it off.

#### **i** Tips

The hazard warning lights can be activated regardless of the vehicle power state.

### Wipers and Washers

#### Front Wiper Switch



## Proper Driving



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

- OFF: Turn off the wiper.
- AUTO: Auto wiping.
- LO: Continuous wiping at low speed.
- HI: Continuous wiping at high speed.

### Inching Wiping



When the front wiper switch is in “OFF” position:

- Press the wash switch  and immediately release it, and the front wiper will wipe once.
- Press and hold the wash switch , and the front wiper will continuously wipe. After releasing, it stops after wiping for 3 times.

### Auto Wiping

Turn the front wiper switch to the “AUTO” position, and the front wiper will start to wipe automatically.

- Tap “→Vehicle Settings” on the CID, find “Auto Wiper Sensitivity”, and select the corresponding speed accordingly.

#### warning

It is recommended to turn off the auto wipers when cleaning vehicles and in dusty or rainy weather, to avoid accidental damage or personal injury caused by the wipers.



### **i** Tips

Auto wiper is an auxiliary function. The wiper shall be manually operated according to driving conditions when necessary to ensure driving safety.

### Continuous Wiping at Low Speed

Turn the front wiper switch to the “LO” position, and the front wiper starts continuous wiping at low speed.

### Continuous Wiping at High Speed

Turn the front wiper switch to “HI” position, and the front wiper starts continuous wiping at high speed.

### Spray Washing

When the front wiper switch is at “OFF” or “AUTO” position, press and  hold the wash switch, the washer will continuously spray water, release it and stop spraying. The front wiper wiper stop after wiping for 3 times at low speed.

When the front wiper switch is at “LO” or “HI” position, press and hold the wash switch , the washer will continuously spray water, release it and stop spraying water. The front wiper will wipe at low or high speed.

### Using of Rear Wiper



Move the rear wiper switch downward and the rear wiper will wipe once.

## Proper Driving



Move and hold the rear wiper switch downward. The rear wiper continuously sprays water and wipes, and stops after releasing.

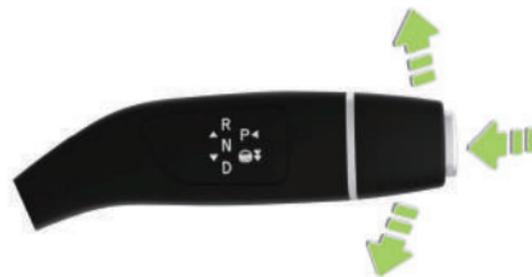
Move it up, the rear wiper will continue to wipe, and it will stop after moving it up again.

## Gear Shift

### Shift Gear

Press the brake pedal, move the shift lever up or down, and the corresponding gear indicator is on, indicating a successful gear shift.

## Gear Description



### R: Reverse

Press the brake pedal when the vehicle is stationary and simultaneously push the gear lever up 2 gears. The Gear R of the ICM is on and the vehicle is shifted into R gear.



### N: Neutral

The vehicle can be shift into N gear with the following operations, and the Gear N of the ICM is on:

- When the vehicle is at D gear, push the gear lever up 1 level for 1 sec.
- When the vehicle is at R gear, push the gear lever down 1 level for 1 sec.
- When the vehicle is at P gear, press the brake pedal and push the gear lever up or down 1 level for 1 sec.

### D: Drive

Press the brake pedal when the vehicle is stationary and simultaneously push the gear lever up 2 gears. The Gear D of the ICM is on and the vehicle is shift into D gear.

### P: Park

Press the brake pedal when the vehicle is stationary and simultaneously press the P gear

button on the shift lever. The Gear P of the ICM is on and the vehicle is shift into P gear.

- When the charger is connected for charging, the vehicle will automatically switch to P gear.
- After opening the driver's door, the vehicle will automatically switch to P gear when the vehicle is at D or R gear at speed less than 3km/h without wearing seat belt and without pressing the brake and accelerator pedals.

#### caution

- Shifting requires certain conditions. If it cannot meet the conditions, the instrument panel will display “**Charger connected, unable to shift**”, “**Please shift after applying the brake**”, “**Please shift after slowing down**” when shifting. Follow the prompts to operate to meet the shifting conditions.
- If it is unable to shift the gear normally, contact XPENG Service Center for inspection and repair.



- Before leaving the vehicle or on a ramp, make sure to shift into P gear to prevent the vehicle from moving.

### Driving Mode

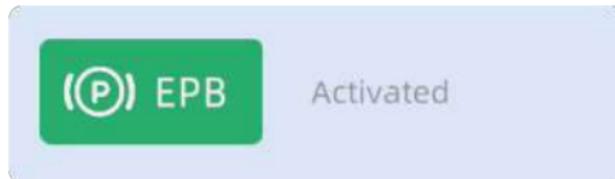
#### Function Introduction

Tap “ → **Drive Mode**” in turn on CID, to select drive mode.

- Standard: Medium power response and suspension leads to a good balance of range and driving performance.
- ECO: slow power response extends the range.
- Sport: Rapid power response and low suspension bring superior driving experience.
- Escape: Smooth power response maximizes torque and high suspension improves off-road capability.

### Electronic Parking Brake (EPB)

#### Enable and Disable Electronic Parking Brake



Tap “ → **Vehicle Settings**” in turn on CID to enable or disable the electronic parking brake.

- Enable: When the vehicle is stationary, enable “**Electronic Parking Brake**” function or press the P-gear button at the end of the gear lever. The indicator on the ICM is on, indicating that the parking brake has been enabled.



- Disable: When the vehicle is stationary, press the brake pedal, disable “**Electronic Parking Brake**” or switch to the drive gear (D or R). The indicator  on the ICM is off, indicating that the parking brake has been disabled. When the vehicle is at P gear, it is unable to disable parking brake by disabling “**Electronic Parking Brake**”.

### Tips

- When enabling or disabling the electronic parking brake, it is normal that the system has operating noise.
- When enabling the electronic parking brake, if the vehicle cannot be powered on and the parking brake cannot be disabled due to low voltage of 12V battery, disable it by jump power connection or contact XPENG Service Center for treatment.
- In special case, press and hold P gear button to enable emergency braking function EPB. The EPB light will flash in emergency brake.

### caution

- If the parking brake cannot be enabled or disabled normally, immediately contact XPENG Service Center for inspection and repair.
- Do not drive the vehicle with parking brake enabled, otherwise the electronic parking brake system will be easily damaged.

## AUTO HOLD

### Enable and Disable Auto Hold

If you need to stop for a while, deeply press brake pedal after the vehicle stops. The indicator  on the ICM is on, indicating that auto hold function has been activated. At this time, release the brake pedal, and the system will automatically apply the brake and keep the vehicle stationary. After pressing the accelerator pedal, the system automatically releases and starts driving.



## AutoHold

Fasten your seat belt, close all doors, and depress the brake pedal deeply to turn on this function.

- Tap “ → **Vehicle Settings**” on the CID to enable or disable the auto hold function.
- Auto hold can be activated only when driver's door is closed and the seat belt is fastened at D or R gear.
- After maintaining the auto hold state for a period, the auto hold function will switch to EPB.

### Tips

When the auto hold function is activated, opening the driver's door or unfastening the seat belt will automatically switch to EPB.

### warning

The auto hold must follow the kinematics law. Please enable the auto hold function according to the road conditions.

## Braking Assist

### ESP (Electronic Stability Program)

By identifying the driving state of the vehicle through sensors (such as understeering, oversteering or drive wheel slipping), ESP can apply targeted braking intervention or limit driving torque to effectively reduce the risk of side slip or tail flick, so as to ensure the driving stability of the vehicle.

#### Enable or Disable in the CID



### Electronic Stability Program

Automatically activated when starting to drive at high speed.

Tap “ → **Vehicle Settings**” on the CID to enable or disable the ESP.



### **i** Tips

- After the vehicle is powered on, the ESP function is automatically activated by default.
- When the vehicle speed is higher than 80km/h, if the ESP is in off state, the ESP function will automatically be enabled.
- ESP will limit the power output when the vehicle slips (starting or accelerating rapidly on icy, muddy roads), so when the vehicle is in a state of waiting to get out of trouble (such as getting stuck in muddy roads), please temporarily disable the ESP system and restart it after getting out of trouble.

### **⚠** warning

- ESP cannot prevent the accidents caused by dangerous driving or emergency steering at high speed.
- If the ESP malfunctions, please contact the XPENG Service Center immediately for inspection and repair.

### **ABS (Anti-lock Brake System)**

ABS prevents wheel lockup when applying maximum braking force. In most road conditions, it can improve the steering control performance of the vehicle in emergency brake.

In emergency brake, ABS continuously monitors the speed of each wheel and adjusts the brake pressure based on the lock state.

When ABS intervenes in driving, you may feel the brake pedal vibration, and you can subjectively drive without panic based on the road conditions.

When ABS fails, the basic braking function remains normal and is not affected by ABS fault, but the braking distance will increase.

### **⚠** warning

The driver shall always keep a safe distance from the vehicle in front and be aware of any dangerous situations during driving. Although ABS can improve the braking distance, it cannot go beyond the physical law, nor can



it prevent the danger caused by tire slip (Like when there is water layer between the road and the tire to prevent the tire from directly contacting the road).

### Emergency Brake

In emergency, completely press the brake pedal and maintain stable pressure. ABS prevents the wheel lockup and ensures safe parking by changing the braking pressure applied to each wheel based on the available braking force.

### TCS (Traction Control System)

When the vehicle starts or accelerates rapidly on icy road and other slippery roads, the drive wheels may slip. TCS controls brake pressure and vehicle torque output to minimize the wheel spin.

### EBD (Electronic Brake Distribution)

EBD is a part of ABS, which balances the braking distribution between the front and rear wheels based on the load on the vehicle during regular braking.

EBD will distribute the force generated by the braking system properly to 4 wheels based on the adhesion between each wheel and the ground, to get the optimal efficiency of the braking force, which can significantly shorten the braking distance, and keep the vehicle stable during braking, improving the driving safety.

### EBA (Electronic Brake Assist)

In an emergency, quickly press and hold the brake pedal, EBA will generate a braking pressure higher than normal braking, allowing the braking system to generate the pressure required for maximum deceleration of the vehicle in the shortest possible time for the shortest braking distance.

#### warning

EBA can improve the driving safety, but it cannot be beyond the kinematics law. Please adjust the speed according to the road conditions and the traffic speed.



### HDC (Hill Descent Control)

HDC is a cruise control function that helps the driver to go downhill at a constant speed, alleviating foot fatigue caused by constantly pressing the brake pedal.

#### Enable or Disable in the CID



#### Hill Descent Control

Once activated, the vehicle will automatically control the speed when going downhill.

Tap “ → **Vehicle Settings**” on the CID to enable or disable HDC function.

When the vehicle speed is higher than 8km/h but less than 35km/h, the HDC function can be used. If the brake pedal or accelerator pedal is pressed during HDC operation, the function will exit and the driver needs to take over the vehicle. When the vehicle speed is higher than 60km/h, the function completely exits and entry is prohibited.

#### Tips

- HDC can operate on hill with a slope of higher than or equal to 5%.
- Conditions for activating HDC: vehicle speed is less than 35km/h; The brake disc temperature is normal. The ESP system works properly.

#### warning

HDC can actively keep the vehicle descending at a constant speed, but it must follow the kinematics law. For safety reasons, the driver shall apply the brake in time according to the actual situation of the vehicle to avoid accidents caused by the vehicle descending too fast.

### HHC (Hill Hold Control)

When the vehicle starts from a still state on a slope higher than 4%, the driver releases the brake pedal and presses the accelerator pedal, the power output is insufficient to prevent the



vehicle from sliding before starting (the vehicle has a tendency to slide) during the period. HHC will keep the braking force that the driver depresses on the brake pedal and keeps it stationary to prevent the vehicle from sliding.

### Tips

- HHC function is only applicable to: when the vehicle is at D or R gear, the braking force generated before the brake pedal is pressed and released is sufficient to keep the vehicle on a slope.
- HHC function can last for about 1 second, and the braking pressure holding time will be released in advance or extended properly according to the driver and the slope.

### warning

HHC can provide brake assistance, but it must follow the kinematics law. For safety reasons, the driver shall apply the brake in time according to the actual situation of the vehicle to avoid accidents caused by sliding.

## 4WD System\*

### Function Introduction

The driving system of current vehicle is proper 4WD system, requiring no manual operation. The system is able to intelligently switch between 2WD and 4WD modes based on the vehicle operating conditions.

When driving on good roads, in order to ensure the comfort and economy, 2WD mode will be applied. When the driver requires high power, it will switch to 4WD mode; When the vehicle is driving on slippery, muddy, icy, sandy, complex outdoor roads, as well as in situations such as medium to high speed acceleration and large dynamic turns, proper 4WD system can intervene timely. It ensures the traction of 4 wheels, achieves the best passability and safety, and ensures the stability and comfort of the vehicle's driving with intelligent torque distribution.



### Daily Care

#### Front Hood

##### Open the Front Hood



1. The front hood opening handle is located on the left side of the driver's foot space. After continuously pulling the handle twice,

the front hood slightly pops up and the hood is unlocked.



2. Slightly lift the front hood, and it will automatically rise to the limit position with the left and front air springs.



## Close the Front Hood



1. Lower the front hood until the front hood buckle contacts the latch.
2. Place both hands on the front side of the front hood (green area as shown above), then firmly press down to close the front hood.
3. After closing, please check if the front hood is firmly locked. The ICM will display a prompt

indicating the status of the front hood (open or close).

### warning

- Apply stress only to the green area shown in the figure, and applying stress to the red area will easily cause damage.
- Do not close the front hood with one hand to avoid concentrated force, which may cause dents or bends.
- Do not press the front edge of the front hood to avoid bending the edge.

## Check Coolant

Please check the coolant level during the specified maintenance period.



Check the level mark on the side of the coolant reservoir:

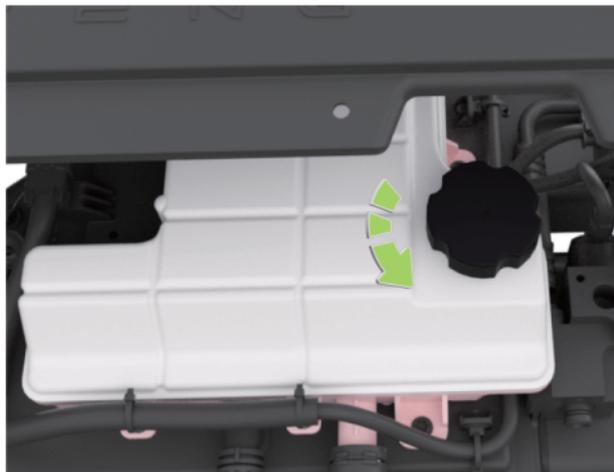
- MAX: Upper limit marker
- MIN: Lower limit marker

The coolant level shall be between MIN and MAX marks. If it is lower than MIN mark, add the coolant authorized by XPENG Inc. timely.

### Fill in Coolant



1. Remove the front compartment trim panel and storage box with proper tool, and you can see the coolant reservoir.



2. Unscrew the reservoir cap and fill the coolant.

In order to maximize the performance and life cycle of the traction battery, motor, and A/C system, a specific type of coolant is selected for the cooling system (select coolant with different freezing points based on the lowest temperature in the location).

## Check the Brake Fluid

If the level in the brake fluid reservoir is lower than the specified level, the brake light on the ICM will issue audio alarm. If the alarm is issued when driving, please pull over and stop while ensuring safety. Do not continue driving. At the same time, please contact XPENG Service Center immediately.

### warning

- If the brake pedal is loose or the brake fluid is significantly consumed, please contact XPENG Service Center immediately. Driving in these situations may result in extended braking distance or complete brake failure.
- The brake fluid specification is marked on the container package. In all cases, only use brake fluid that meets the vehicle specifications, and new brake fluid must be used. Waste or unsuitable brake fluid will inevitably deteriorate the braking effect and even cause brake system failure. It is



recommended to use the original brake fluid of XPENG Inc.



Check the level mark on the side of the brake fluid reservoir:

- MAX: Upper limit marker
- MIN: Lower limit marker

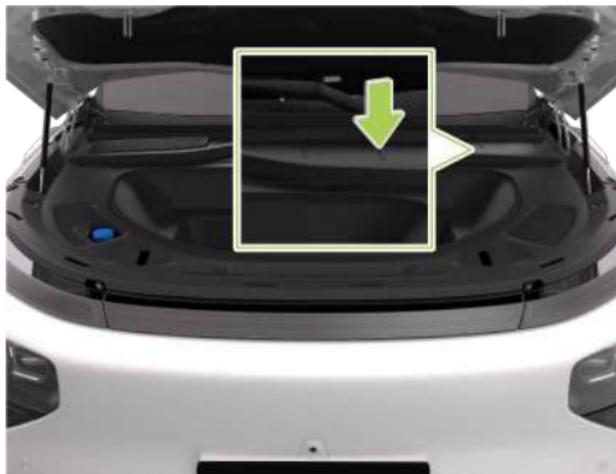
The brake fluid level shall be between MIN mark and MAX marks. If it is lower than MIN mark, fill the brake fluid authorized by XPENG Inc. timely.

### warning

- Fill brake fluid with a level close to MAX (but not exceeding the MAX mark). After filling brake fluid, it is necessary to install the cover.
- Brake fluid is toxic, and the waste brake fluid must be discharged or disposed complying with relevant environmental regulations.



## Fill in Brake Fluid



1. Wrap a flat head screwdriver in a cloth, open and remove the upper trim panel of the reservoir at the position indicated by the arrow in the figure.



2. Clean the reservoir cap first to prevent dust from entering.
3. Unscrew and remove the reservoir cap.
4. Fill the brake fluid approved by XPENG Inc. until the brake fluid is close to the MAX mark.

### warning

- Please use new brake fluid in airtight sealed bottle. Do not apply the used brake fluid



or brake fluid in open container. Brake fluid will absorb moisture and reduce the braking performance.

- Brake fluid has strong toxicity. Containers must be sealed and kept away from children. If accidentally ingested, seek immediate medical attention.
- Brake fluid will damage the painting, and use the absorbent cloth immediately to absorb the spill. Mix the detergent with water for washing.
- Some parts in the front trunk of certain models block the brake fluid container, making it possible to accurately check the brake fluid level. Contact XPENG Service Center to help with the inspection if necessary.
- The vehicle automatically adjusts due to worn brake pads in driving, and the brake fluid level may slightly decrease. This is normal and do not worry about that. However, if the liquid level drops significantly within a short period, or drops below the

“MIN” mark, or if it need to fill frequently, it indicates that the brake system has leakage, please contact XPENG Service Center as soon as possible to check the brake system.

- If the liquid level drops below the specified height, the warning light will be on. The ICM may display relevant text, reminding or warning the driver to immediately perform certain operations. In this case, stop immediately, do not continue driving, and contact XPENG Service Center as soon as possible to check the brake system.
- If the brake system warning light stays on or lights up when driving, it indicates that the brake fluid level is too low. To prevent accidents, stop immediately. Do not continue driving. Contact XPENG Service Center as soon as possible.
- Brake fluid can absorb water and will continuously absorb moisture from the surrounding air during use. If the water content of the brake fluid is too high, it will corrode the brake system and greatly



reduce the boiling point of the brake fluid. During emergency braking, air resistance may occur, reducing the braking effect. Therefore, the brake fluid must be replaced every 24 months, and if the mileage exceeds 40,000 km within 24 months, it must also be replaced!

- Do not store the brake fluid in an empty food container, bottle or any non-original brake fluid container, otherwise, the brake fluid may be regarded as food by mistake, causing poisoning accidents!

### Check Windscreen Washer Detergent

Regularly check the detergent. If the level of the detergent is too low, fill in the reservoir timely.

Operate the washer regularly to check whether the nozzle is blocked and whether the spraying is normal.

### Fill in Windscreen Washer Detergent



1. Clean the reservoir cap first to prevent dust from entering the reservoir.
2. Open the reservoir cap.
3. Fill the detergent until the level reaches below the filling port.



### Replace the Wiper

#### Enable Wiper Maintenance Mode



Shift to P gear and keep the wipers off. Tap “ → **Vehicle Settings**” in turn on CID, open the front/rear wiper maintenance mode in “**Others**” and the wiper arm will operate to the maintenance position. After turning off the wiper maintenance mode, the wiper arm will automatically return to its original position.

 **caution**

Before replacing the wiper, the wiper maintenance mode must be activated, otherwise it may cause damage to the vehicle.



### Replace the Front Wiper Blade



1. Lift the wiper arm, press the lock button, and pull out the wiper blade upward.
2. Install the new wiper blade back into the wiper arm by following the opposite steps, and if you hear a “click”, it means that it is installed in place.
3. Gently place the wiper arm back onto the windscreen.
4. Disable the front wiper maintenance mode.



### Replace the Rear Wiper Blade



1. Press and hold the wiper blade, remove the wiper blade by pulling the wiper arm upwards along the connection between the wiper arm and blade.
2. When installing, lift the wiper arm, clip the protruding position on the new wiper blade into the slot of the arm, and then gently

place the wiper arm back onto the rear windscreen.

3. Disable the rear wiper maintenance mode.

#### **i** Tips

If the wiper blade needs to be replaced, it is recommended to replace it in XPENG Service Center.



## Traction Battery Maintenance

Even if the vehicle is not used, the traction battery will slowly discharge. Low SOC will shorten the life cycle and performance of the traction battery, affecting the vehicle range. Therefore, before parking the vehicle for a long time, check the SOC of the traction battery to keep it at 30%~60%. If the SOC is low, please charge it before parking.

Refer to the relationship table between different battery powers and parking time to ensure parking with sufficient power:

Range or power	30%	50%	60%
Parking days	≤ 90 days	≤ 150 days	≤ 180 days

It is recommended to power on and check every 3 months. If the battery SOC is too low, charge timely, otherwise the performance of the traction battery may be affected due to low voltage.

The life cycle of traction battery is also affected by ambient temperature. When the ambient temperature is low, the vehicle range will decrease and the charging time will increase.

### **i** Tips

- Suggested charging working ambient temperature: 0 ~ 45°C。 When the working environment temperature is below 0 °C, the charging time will be extended.
- Parking the vehicle in a hot or cold environment for a long time will accelerate the degeneration of traction battery. It is recommended to park the vehicle in a cool, dry place with good ventilation, away from heat sources (such as heating pipes) and low-lying places, and away from flammable and explosive and corrosive substance.
- Avoid long-distance or wading of vehicles.
- Do not fully discharge the traction battery.



### Clean the Charging Port House

For normal use, clean with a high-pressure air gun or brush every week. If it is impossible, use a dust-free cloth or cotton swab to clean the charging port house and charger. In case of unexpected situation (such as the charging port cover is not closed), clean with the above methods timely.

#### warning

Do not use screwdrivers, tweezers and other sharp objects to touch the charger pin and charging port house, to avoid damaging the pin and socket.

### Tire Care and Maintenance

#### Check and Maintenance of Tires

Regularly check the tread for abnormal wear, nails, etc. Regularly check the tire wall for bulges, cuts, etc.

#### Tire Wear

Sufficient tread depth is crucial for the tire performance. Tires with a tread depth less than 2 mm are easily slipping under slippery road conditions and it is not suitable to use. Tires with a tread depth less than 4mm will have poor performance on snowy and muddy roads, and it is not suitable to use when driving in winter.

In order to reduce tire wear and increase the tire life cycle, the tires can be maintained according to your driving habits and road conditions:

- Avoid rapid departure or coarse acceleration.
- Avoid sharp turns and heavy braking.
- Drive slowly when driving on potholes, curbs, or similar roads.
- It is recommended to rotate the tires every 10,000 kilometers.

#### Replace Tires and Wheels

Tires will age over time due to ultraviolet radiation, extreme temperatures, high loads and



environmental conditions. At the same time, the tire will wear during normal acceleration, braking, and turning. XPENG Service Center will check the tire wear during vehicle maintenance, and recommend the replacement of the tire if necessary. In case of special circumstances, such as tire tread grinding to wear marks, foreign objects scratching or puncturing the tire surface, immediately go to XPENG Service Center to replace the tire.

## caution

Please use the same tires and wheels as the original vehicle configuration. If the tires in different specifications are used, it will affect the intelligent driving assistance function and the normal operation of the tire pressure monitoring system.

## warning

- Do not drive the vehicle if the tires are damaged, excessively worn, or the air pressure is incorrect. Regularly check the

wear of the tires to ensure there is no cut or bulge.

- After replacing or repairing a tire, wheel dynamic balancing must be performed again.

## Seasonal Tire Types

### Summer Tires

Summer tires are suitable for extremely dry and humid roads, but not suitable for road conditions in winter. It is recommended to use winter tires when driving in cold region or on icy road.

### All-season Tires

These types of tires are designed to provide sufficient traction throughout the year in all seasons, but may not be able to provide traction comparable to winter tires on icy and snowy roads. “**ALL SEASON**” and/or “**M+S**” (mud and snow) marks can be seen on the all-season tire sidewalls.



### Winter Tires

Winter tires can improve the traction on icy and snowy roads. When installing the winter tires, be sure to install a set of four tires at the same time. The four wheels must be in the same specification, brand, structure and tread. Contact XPENG Service Center for advice on winter tires.

When driving vehicle with winter tires, the road noise may increase, tread life may be shortened, and traction on dry roads may be reduced.

#### warning

- If the tires have uneven and excessive wear, go to XPENG Service Center as soon as possible to check the wheel balance and alignment.
- Insufficient air pressure is the most common cause of tire fault, which may cause overheating, cracking, delamination, or bursting of the tire, leading to accidental loss of control and increasing the risk of injury.

- Insufficient air pressure will also shorten the vehicle range and tire tread life.
- Do not use any tire sealant (except for the sealant provided in the vehicle tire repair kit). Other types of tire sealants may cause fault to tire pressure sensors.

### TPMS (Tire Pressure Monitoring System)

TPMS can monitor the tire pressure and temperature in real-time during driving, and provide alarm in case of abnormal tire pressure, temperature, or abnormal TPMS system to ensure driving safety.

#### warning

- When the tire pressure or TPMS is abnormal, TPMS warning light on the ICM is on, with text pop-up: “ **If the tire pressure is low, please inflate timely**”, “**If the tire pressure is low, please inflate now**”, “**TPMS fault, please repair**”, please treat strictly follow the text reminder.



- It is prohibited to refit the TPMS without authorization.

## Tire Pressure Calibration

The tire pressure will be automatically calibrated whenever the tire is replaced. Please keep the vehicle stationary for at least 17 minutes before calibration. During the calibration, drive the vehicle at a speed of over 40 km/h for 10 minutes and avoid reversing.

## Using Anti-slip Chains

When driving in harsh environments such as on snowy or icy roads in winter, anti-slip chains can increase tire friction and reduce the side slip. The following advice must be followed when using anti-slip chains:

- When driving in deep snow, it is necessary to install anti-slip chains on the tires. Current vehicle is not equipped with anti-slip chains and the user can purchase as needed. When installing anti-slip chains, choose an equivalent

product of size and type that meets the specifications of the tires on the vehicle.

- Install anti-slip chains on the tires to ensure balanced driving in various weather conditions. Remember that the vehicle may lack power after installing the anti-slip chains. Drive carefully even if the road condition is good. Do not drive exceeding the prescribed speed limit of the tire anti-slip chain, nor exceed 50 km/h, whichever is lower.
- Anti-slip chains can only be applied on the rear wheels. Install snow anti-slip chains in pairs. It is strictly prohibited to use self-tensioned snow anti-slip chains.
- Do not use snow anti-slip chains on dry ground. Please remove the snow anti-slip chains after driving to road without snow.
- Install the anti-slip chain as tightly as possible onto the tire and re-tighten it after driving for 0.5-1.0 km.
- If the vehicle is equipped with wheel covers, please remove them before installing snow anti-slip chains.



- If you hear friction or collision noise from the anti-slip chains while driving, stop and re-tighten the chains. If it does not work, remove the anti-slip chains to prevent damage to the vehicle.

### Exterior Cleaning

#### External Cleaning

Frequent washing will protect the appearance of the vehicle. Wash the vehicle in a cool place without direct sunlight. If the vehicle is exposed to sunlight for a long time, it is recommended to wash the vehicle after the exterior of the vehicle cools down.

When using automatic wash, follow the instructions of the wash operator.

Wash towards the front of the glass when washing with high pressure washer and do not flush the interior with water towards the edge of the glass.

After washing in winter, dry the water in the gaps around the door handle to avoid freezing and preventing the door handle from unfolding.

In order to prevent damage to the painting, remove the corrosive substance (bird droppings, resins, insects, asphalt spots, paving salts, industrial dust, etc.) immediately. Do not wait until cleaning the whole vehicle.

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

1. Preparation before cleaning

Close all the doors, trunk, and front hoods, and check if the charging port is completely closed.

2. Thoroughly rinse

Before cleaning, rinse off dirt and gravel from the body with a hose. Please rinse areas with dust, silt, or paving salts (wheel arches and panel joints).

3. Hand washing



Add high-quality neutral detergent into cold or warm water, wet a soft cloth, and wash the exterior of vehicle by hand.

#### 4. Rinse with clean water

After cleaning, rinse thoroughly with clean water to prevent residual soap on the surface from drying.

#### 5. Wipe dry with a soft cloth

### Precautions for External Cleaning

#### caution

- Do not use hot water and detergents.
- In hot weather, do not rinse in direct sunlight.
- If using a high-pressure washer, keep the nozzle at least 30 cm away from the surface of the body, keep the nozzle moving, and do not continuously spray water towards a certain area. Do not spray water towards the charging port.

- When washing vehicle in a low temperature environment, or when parking outdoors in snowy days, the active grille blades may not work normally due to icing. It is normal that the ICM prompts the active grille fault, which will not affect the normal driving of the vehicle. After normal driving for a period (about 1 hour) or defrosting with a heat gun, the fault disappears automatically. If the fault still exists after the blades are defrosted, please contact XPENG Service Center for inspection and repair.
- Do not spray water directly towards the window or door sealing strip, or through the hub hole into the brake parts.
- Avoid using cotton velvet or coarse cloth, such as cleaning gloves.
- Do not use chemical tire cleaning agents, as this may damage the surface of the finished wheel.



### Cleaning and Maintenance of External Plastic Parts

It can usually be cleaned with water as well as a soft cloth and a soft brush.

### Cleaning of Windows and Rearview Mirrors

Clean the window and rearview mirrors with glass detergent with alcohol, and then dry the glass with a clean, lint free soft cloth.

For the wax on the glass after the maintenance of the body, remove it with special detergent and cloth to avoid scratching the wiper blades.

Use a small brush to remove the snow from the windows and rearview mirrors.

Use a de-icing spray or shovel to remove the ice. Be careful not to damage the components. Remove the ice in the same direction when using.

#### caution

- It is prohibited to use warm or hot water to remove the ice and snow from the windscreen and rearview mirrors, otherwise it may cause the glass to burst.
- For the residual rubber, grease, and silicone substances on the glass, remove them with a dedicated window detergent or silicone cleaner.

### Seal Maintenance

When maintaining the seals, use a soft cloth to remove the dust and dirt from the surface. Regularly coat the rubber seal with a special protectant.

### Cleaning of Wiper Blades

Regularly inspect and clean the edges of the wiper blades for rubber cracks, splits, and roughness. If damaged, please contact XPENG Service Center for replacement.



Contaminants on the wiper blades may reduce the effectiveness of the wiper blades. Contaminants include ice, car wash spray wax, cleaning fluids containing bacteria and/or water repellents, bird droppings, tree sap, and other organic materials.

Please clean the wiper blades as follows:

- Clean the windscreen with a nonabrasive glass cleaner.
- Tap “→**Vehicle Settings**” on CID, turn on “**Front Wiper Maintenance Mode**” or “**Back Wiper Maintenance Mode**” on the current interface to activate the front/back wiper maintenance mode.
- Lift the wiper arm slightly from the windscreen to get close enough to the wiper blade, then wipe the blade clean with isopropyl ethanol or wiper cleaning fluid.
- If the wiper blades are still ineffective after cleaning, they may need to be replaced.

## **caution**

- Care should be taken when lowering the wiper arm to prevent it from momentarily dropping on and hitting the windscreen.
- Wiper blades are coated with a layer of graphite for smooth wiping without scraping noises. Cleaning agents containing solvents, hard sponges, and sharp objects can damage the graphite layer. A broken graphite layer will result in increased wiper scraping noises and should be replaced timely.
- Always check that the wiper blades are not frozen to the windscreen before using the wipers in winter or cold weather. If so, deice first before using, otherwise, the wiper blades and wiper motor may be damaged.



### Matte Paintwork (Interstellar Green) Care and Maintenance

Do not use car washer, pressure washer and cleaning brush to wash the vehicle, otherwise the paint surface could be damaged.

If the paint surface is damaged during the car washing, repainting would be required. It will be difficult to repair if foreign particles get into the coating gaps.

If brush marks, scratches, footprints, etc. are to be repaired, the whole car body needs to be repainted.

Please use clean water to wash the vehicle and gently wipe it with a soft leather cloth. If the dirt cannot be washed away, use mildly acidic (citric acid) cleaner for watermarks and neutral cleaner for bird droppings, insects, and grease stains.

It is recommended to park the vehicle in a roofed parking lot and not leave it exposed to the outdoors for long periods of time. This is to prevent the paint from being contaminated with

resin or grease, as such stains can leave marks that are difficult to clean. If long-term outdoor parking is required, it is recommended to use a thickened cotton car cover.

Do not use paint surface cleaners, abrasive materials, or polishing products (such as polishing wax, etc.).

Do not use excessive force to rub the paint surface.

Do not stick labels, tapes, or any adhesive materials onto the surface.

Do not use wax or wrapping agents.

Do not use polishing paste.

Do not use solvents or degreasing clea



## Interior Cleaning

### Brief Description

Frequently inspect and clean the interior to maintain its appearance and to prevent premature wear.

### Interior Glass

Do not scrape, or use any abrasive cleaning fluid on glass or mirrored surfaces. This can damage the reflective surface of the mirror and the heating elements in the rear window.

### Instrument Cluster and Plastic Surfaces

Do not polish the upper surfaces of the instrument cluster. Polished surfaces are reflective and could interfere with your driving view.

### Cleaning Seat Belts

Wipe stains from the seats using a soft cloth moistened with warm water and non-detergent soap. Wipe gently in a circular motion. Then wipe dry using a soft, lint-free cloth.

### Seat Belts

Extend the belts to wipe. Do not use any type of detergent or chemical cleaning agent. Allow the belts to dry naturally while extended, preferably away from direct sunlight.

### Car Carpets

Use a vacuum cleaner with soft brush to clear dust and surface debris. For stubborn stains, you can try using water or baking soda solution to remove them. Please select an appropriate method to remove the stains prior to cleaning:

- For liquid stains: Gently wipe the residues with a paper towel, allowing the stains to soak and be absorbed by the paper towel as much as possible.



- For solid and dry stains: Remove as much as possible manually first, then use the vacuum cleaner to clean up the remaining residues.

### CID and ICM

Clean the CID and ICM with a special soft lint-free cloth. Do not use cleaners (such as a glass cleaner), wet wipe or a dry statically-charged cloth (such as a recently washed microfiber).

Tap “ → **Display** → **Screen Clean Mode**” in turn or swipe down the quick menu on CID to enable Screen Clean Mode and then wipe the CID, which will not activate buttons or change settings.

#### **caution**

Caustic liquid cleaners such as acids, alkalis, deoxidizing agents, and sodium hypochlorite (84 disinfectant) are prohibited from cleaning the CID.

### Chrome and Metal Surfaces

Polish, abrasive cleaners, or hard cloths can damage the finish on chrome and metal surfaces.

### Floor Mats

To extend the life of your carpet and make them easier to clean, use floor mats officially authorized by XPENG Inc. Maintain floor mats by regularly cleaning them and checking that they are properly installed. Replace floor mats if they become excessively worn.

### Cautions for Interior Cleaning

#### **caution**

- To avoid potential interference with a foot pedal, ensure that the driver's floor mat is securely fastened, and never place an additional floor mat on top of it. Floor mats should always rest on top of the vehicle carpeting surface.
- Using solvents (including alcohol), bleach, citrus, naphtha, silicone-based products or

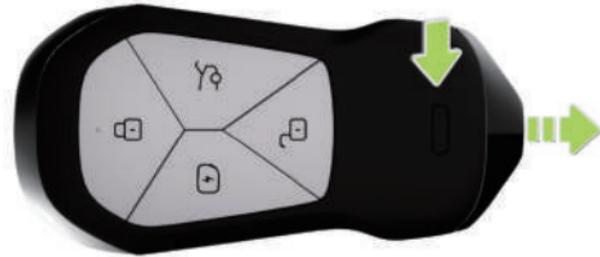


additives on interior components can cause damage.

- Statically-charged materials can cause damage to the CID and the ICM.
- Do not wipe the door guard trim with wet wipes, wet cloths, cleaners, etc., and take care to prevent water from entering the door guard trim during use (e.g. during rain or car washing), as this may cause the internal electrical components to malfunction, etc.
- If you notice any damage on an airbag or seat belt, please contact XPENG Service Center immediately.
- Do not allow any water, cleaners, or fabric to enter a seat belt mechanism.

## Key Battery

### Replacement of Key Battery



1. Press the lock button inward to remove the metal garnish rightward as indicated by the arrow.



2. Carefully flip the cover upward along its edges.



3. Remove the key battery.
- Battery model: CR2032H.
4. Install in the reverse order.
- Install the battery with the “+”(positive) terminal facing up.



## i Tips

- A low SOC will affect the key remote control function. Please replace the battery in time.

## Vehicle Refit

### Parts and Refit

Only XPENG Inc. original or authorized parts may be used. XPENG Inc. has conducted rigorous testing on parts to ensure their applicability, safety and reliability. These parts can only be purchased from XPENG Service Center, installed by XPENG authorized technicians, and they can refit vehicles according to the recommendations of XPENG experts.

Do not refit the vehicle with parts not authorized by XPENG Inc., otherwise it may affect the operability, safety and durability of the vehicle, and may violate local government regulations.

Do not refit the vehicle's suspension, braking and other systems, which may adversely affect the handling and safety of the vehicle.

It is prohibited to refit the vehicle fuse box, otherwise it may have an adverse effect on the vehicle electrical system.

Alterations to electronic parts and software, and wiring can affect functionality and the proper operation of associated parts, especially safety-related systems, which can affect the operation of the vehicle and increase the risk of accidents or injuries.

Therefore, do not refit the wiring, electronic parts and their software.

In addition, vehicle damage and performance problems caused by replacement, installation, or refit with non-original parts or parts not authorized by XPENG Inc., are not covered by the warranty, and XPENG Inc. will not bear any responsibility for any direct or indirect losses caused thereby.



### Vehicle Identification

#### Product Nameplate Description



The product nameplate is located on the B-pillar of the front passenger's door. You can view it by opening the front passenger's door.

### Diagnostic Interface

#### OBD Diagnostic Interface



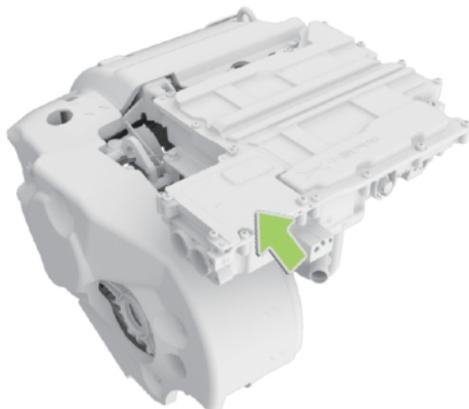
The OBD interface is located on the lower left of the instrument cluster and allows you to read the electronic VIN number and other vehicle information through an original diagnostic device or an officially authorized diagnostic device.



## Drive motor

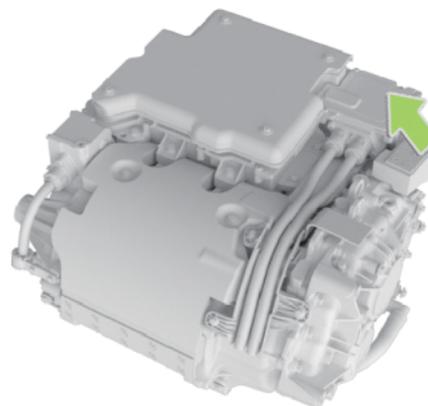
### Drive Motor Model and Code

#### Front Drive Motor \*



The front drive motor model and code are presented on the drive motor housing and the drive motor label.

#### Rear Drive Motor

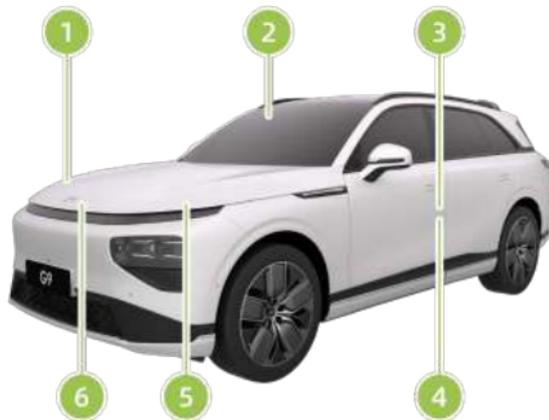


The rear drive motor model and code are presented on the drive motor housing and the drive motor label.



## Label

### Label Position



1. Radiator Label
2. Airbag Label
3. Tire Pressure Label
4. Side Airbag Label
5. Coolant Label

### 6. Refrigerant Label

#### Label Information



### 1. Radiator Label



### 2. Airbag Label



冷轮胎充气气压 COLD TIRE INFLATION PRESSURE			
型号 Size	轮胎 Tire	气压 Pressure kPa/Bar	
		空半载 Normal load	满载 Maximum load
255/55 R19	前 Front	250/2.5	250/2.5
	后 Rear	250/2.5	250/2.5
255/45 R21	前 Front	270/2.7	310/3.1
	后 Rear	270/2.7	310/3.1

3. Tire Pressure Label



4. Side Airbag Label





### 5. Coolant Label

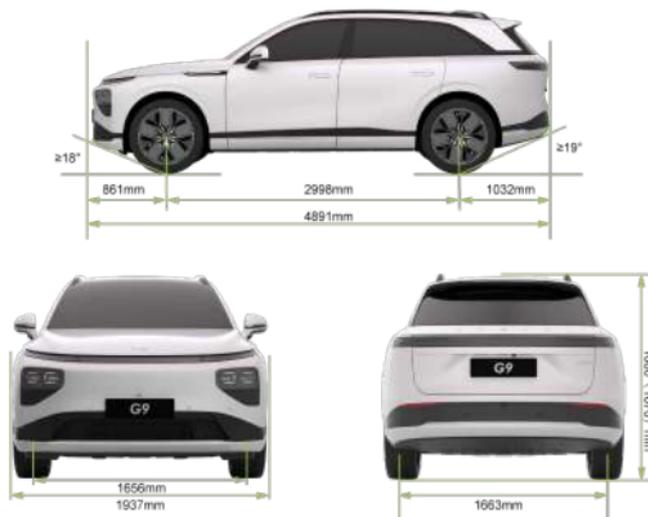




## 6. Refrigerant Label

## Vehicle Parameter

### Exterior Dimensions





## Vehicle Specifications

Project Name	Type I	Type II	Type III	Type IV	Unit
Exterior Dimensions	Length	4891			mm
	Width	1937			
	Height	1680		1670	
Tread	Front Tread	1656			
	Rear Tread	1663			
Wheelbase		2998			
Overhang - Front		861			
Overhang - Rear		1032			
Number of Occupants		5			Person
Approach Angle (Full Load)		18			°
Departure Angle (Full Load)		19			

Exterior rearview mirrors (one for the left side and one for the right side) are not included in exterior width and the tolerance range of vehicle size parameters  $\pm 1\%$ .



## Weight Parameter

Project Name		Type I		Type II	Type III	Unit
Whole Vehicle Kerb Weight		2190	2230	2205, 2225 (Tow Hitch)	2335, 2355 (Tow Hitch)	kg
Kerb	Front axle	1006	1026	1015, 1009 (Tow Hitch)	1123, 1117 (Tow Hitch)	
	Rear axle	1184	1204	1190, 1216 (Tow Hitch)	1212, 1238 (Tow Hitch)	
Maximum Total Weight		2680			2800	
Maximum	Front axle	1140			1239	
	Rear axle	1540			1561	

Tolerance ranges  $\pm 3\%$  for weight, excluding maximum total Weight.



## Overview Parameters

Project Name	G9	Unit
Minimum Turning Diameter	$\leq 11.8$	m
Maximum Speed	$\geq 200$	km/h
Maximum Gradient	$\geq 30$	%



## Types and Parameters of Powertrain

Type of Drive		Rear Engine Rear Drive	Four Wheel Drive		Unit
Drive motor	Drive type	permanent magnet synchronous	AC asynchronous/ permanent magnet synchronous		/
	Rated Power	80	Front: 20	Rear: 80	kW
	Rated Torque	175	Front: 40	Rear: 175	N·m
	Rated Speed	4400	Front: 4775	Rear: 4400	rpm
	Peak Power	230	Front: 175	Rear: 230	kW
	Peak Torque	430	Front: 287	Rear: 430	N·m
	Peak Speed	16000	Front: 16000	Rear: 16000	rpm

## Vehicle Specifications



Reducer	Model	Rear: 1eDT400A	Front: 1eDT400B	Rear: 1eDT400A	/
	Gears	1			/
	Main reducer	Rear: 10.807	Front: 10.793	Rear: 10.807	/



## Steering Gear

Type		Electric power assisted		Unit
Maximum Steering Angle of Front Wheels	Interior	38.5±3	38.4±3	°
	Exterior	32.4±3	32.2±3	°



## Brake System

Project Name	Parameter	Unit
Type	Foot-operated X-type dual-circuit hydraulic braking, applying brake pressure on all wheels.	/
Type of Assist	Electric power assisted	/
Free travel of brake pedal	≤2	mm
Wear limit of brake pad for the front wheel (excluding the backing plate for brake pad)	2	mm
Wear limit of brake pad for the rear wheel (excluding the backing plate for brake pad)	2	mm
Wear limit of front rotor	30	mm
Wear limit of rear rotor	22	mm
Brake Fluid Replacement Period	24 months or 40,000 km (subjected to the earlier)	



## Traction Battery Parameter

	Project Name	Standard Range Vehicle Model	Long Range Vehicle Model	Unit
Single Battery	Drive type	LFP	NCM	/
	Nominal Voltage	3.16	3.67	V
	Rated Capacity	129	159	Ah
Traction Battery	Nominal Voltage	607	617	V
	Rated Capacity	129	159	Ah
	Rated Energy	78.2	98.0	KWh
	Weight	607	575	kg

Note: The above data is for the 1C rate at 25°C conditions.



## Suspension

Project Name	Type I	Type II	Type III	Type IV
Front Suspension Type	Double-wishbone independent suspension			Independent dual-chamber air suspension
Rear Suspension Type	Multi-link independent suspension			Independent dual-chamber air suspension



## Oil/Fluid Filling Volume

Project Name	Model	Filling Volume
Front Reducer Oil	BOT350M3	0.55±0.05L
Rear Reducer Oil		0.85±0.08L
Coolant	Mixture of ethylene glycol and water	Fill up close to the MAX line (approximately 16 liters)
A/C Refrigerant	R-1234yf	1240±25g
Brake Fluid	DOT4	Fill up close to the MAX line (approximately 0.85 liters)
Windscreen Washer Fluid	/	3.5L



## Four-Wheel Alignment Parameters

Project Name	Type I	Type II	Type III	Type IV
Single-Sided Front Wheel Toe-In		3'±6'		0'±6'
Single-Sided Front Wheel Camber Angle		-0.45°±0.5°		-0.6°±0.5°
Single-Sided Kingpin Caster		5.6°±1.4°		5.9°±1.4°
Single-Sided Kingpin Inclination		7.9°±1°		8.1°±1°
Single-Sided Rear Wheel Toe-In		5'±6'		8'±6'
Rear Wheel Camber Angle		-1.0°±0.5°		-1.4°±0.5°



## Tire

	Tire	255/55 R19	255/45 R21	Unit
	Rims	19×8J	21×8.5J	/
Pressure	Front wheel (empty half load/ full load)	250/250	270/310	kPa
	Rear wheel (empty half load/ full load)	250/250	270/310	kPa
Wheel Balancing (After Applying Balancing Blocks)	Front tires interior	≤8		g
	Front tires exterior	≤8		
	Rear tires interior	≤8		
	Rear tires exterior	≤8		



## Microwave Window



The microwave window is on the front windscreen. Please keep the front windscreen clean so as to ensure the best results and minimize interference with the driving view.

### warning

- The location of the microwave window shall not be shielded.
- The necessary markings required by traffic regulations shall be pasted around the microwave window.

## EDR (Event Data Recorder)

This vehicle is equipped with an event data recorder (EDR).

The EDR can automatically record vehicle operation and vehicle safety system status information for a period of time before and after a vehicle event, for example:

- Vehicle speed.
- Braking status when driving, it's on or off.
- Driver's seat belt status.
- The opening percentage of the accelerator pedal.
- The power-on cycle during an event.



## Vehicle Specifications

- Readout the power-on cycle information.
- The overall of event data records.
- The time interval between this event and the last event.
- Longitudinal acceleration.
- Use in a lawsuit in compliance with the official requirements of the police, court, or other government departments.

Collecting and analyzing the vehicle data recorded by the EDR can help to understand the situation before and after the event.

The data recorded by EDR needs to be extracted using dedicated diagnostic equipment connected to the OBD interface of the vehicle. If necessary, please contact the XPENG Service Center to obtain the equipment.

### Data Use Statement

The EDR data may be used by XPENG Inc. for troubleshooting, product development, and quality improvement. XPENG Inc. will not disclose EDR data to third parties except for the following:

- Obtain consent from the owner or lessee of the vehicle.



## Contact XPENG

### Overview

If you have any questions during the use of the vehicle, please contact the XPENG Service Center or call the Customer Service Center.

Customer Service Center Tel:

Denmark: +45 78 72 43 43

Netherlands: +31 20 26 26 822

Sweden: 08 121 606 08

Norway: +47 800 17 060

## Emergency Devices

### Emergency Devices



1. Warning triangle
2. Safety vest
3. The emergency tire-repair kit



### Emergency Tire Repair

#### Emergency Tire Repair

The vehicle is not equipped with a spare tire but an inflatable tire repair emergency kit is included with the vehicle.

The emergency tire-repair kit includes an inflatable pump and a can of tire sealant (for one tire only). When injected into the tire, the tire sealant will penetrate into small punctures on the tire not exceeding 6 mm in size for an emergency repair.



#### warning

- Where tire puncture is greater than 6 mm, or in case of severe tread damage, sidewall damage, tire tear, or falling off from the hub, please contact the XPENG Service Center.
- The emergency tire-repair kit is used for a single tire temporary repair only, and the



damaged tire must be repaired or replaced as soon as possible.

- If the tire has been temporarily repaired with tire sealant, its running speed shall not be faster than 80 km/h.
- Please read and follow all the warnings and prompts on the emergency tire-repair kit.
- If a flat tire is found, do not continue driving, or you may cause a severe injury.

### Tire Sealant

The tire sealant, specially designed for XPENG vehicles in the emergency tire-repair kit, makes no damage to the tire pressure sensor. Therefore, it can only be replaced with tire sealant of the same type and capacity. Tire sealant can be purchased from XPENG Service Center.

The product expiration date is printed on the outside surface of the tire sealant. If the service life expires, the tire sealant can not work as expected. Be sure to purchase a new tire sealant.

### warning

- Do not use any tire sealants purchased from other channels, otherwise, it may cause malfunction of tire pressure sensor.
- Be sure to read and follow the safety and operation instructions for the tire sealant.
- Prevent children from touching the tire sealant.
- If the tire sealant comes into contact with your eyes, please rinse with clean water immediately and seek medical attention.
- In case of accidental ingestion of the tire sealant, seek medical attention immediately.
- In case of accidental inhalation of the tire sealant, breathe fresh air immediately to avoid breathing disturbance and seek medical attention immediately.

### Tire Inflation

Temporarily repair small tire punctures (less than 6 mm) by following these steps:



1. Take out the emergency tire-repair kit from the trunk.
2. Take out the inflatable pump and tire sealant from the emergency tire-repair kit.



3. Take out the tire sealant and shake it well.



4. Screw one end of the sealant injection tube onto the tire valve and tighten it. Be careful not to invert the tire sealant can.



5. Connect the other sealant injection tube to the inflatable pump and tighten it, then insert the electrical source plug of the inflatable pump into the 12V power supply in the vehicle storage box.



6. a. Turn on the power switch of the inflatable pump and start injecting sealant into the tire.
- b. During the process of sealant injection, the value of the pressure gauge is approximately 300-600kPa.
- c. Observe the pressure gauge until the tire pressure reaches the standard value, then turn off the power switch.

- d. Reference to the Tire Pressure Label for the standard tire pressure value for the tire specification.
  - e. Check the tire pressure, if it cannot reach the set value within 20 minutes, it will be deemed as unable to repair the tire.
7. Turn off the inflatable pump, and then pull out the sealant injection tube from the tire valve. Wipe off the excess sealant from the tire valve and the wheel hubs. Pull out the sealant injection tube from the inflatable pump, and put the emergency tire-repair kit back to the trunk.
  8. Drive the vehicle immediately for 5 km or 10 min at a speed between 20-60km/h to allow the sealant spreading evenly throughout the entire tire.
  9. Stop the vehicle and check the tire pressure.

**⚠ caution**

If the tire pressure is below 130 kPa, it indicates that the tire damage cannot be repaired using the sealant. Park the vehicle

## Emergency Aid



safely on the side of the road, and contact XPENG Service Center.

10. Inflate the tire to the standard tire pressure.
11. Store the inflatable pump back into the trunk.
12. Drive the vehicle at a speed of 20~80 km/h to XPENG Service Center for tire repair.

### caution

- Please repair or replace the tire as soon as possible.
- Purchase new tire sealant in time after the previous one is used.
- Keep the driving speed below 80 km/h.

## Inflation Only



1. Take out the emergency tire-repair kit from the trunk.
2. Take out the inflatable pump from the emergency tire-repair kit.



3. Take out the inflation tube and the electrical cord from both sides of the inflatable pump.
4. Attach the inflation tube to the tire valve and tighten it.
5. Insert the electrical source plug of the inflatable pump into the 12V power source in the vehicle.



6. Turn on the power switch of the inflatable pump and start injecting sealant into the tire.
  - Observe the pressure gauge until the tire pressure reaches the standard value, then turn off the power switch.
  - Reference to the Tire Pressure Label for the standard tire pressure value for the tire specification.



## 7. Switch off the inflatable pump.

### **caution**

- Please inflate to the standard tire pressure, otherwise, overinflated or underinflated tire pressure can accelerate tire wear.
- If the tire pressure is too high, reduce the tire pressure by removing air.
  - Operating steps: Pull out the inflation tube and press the metal stem in the center of the valve to release air, during which you can re-attach the inflation tube to read the pressure gauge value, until the tire pressure decreases to the standard value.
- If the Tire Pressure Monitor System (TPMS) indicator light does not turn off after you adjust tire pressure, please drive at a speed of 40km/h for a short amount of time and pay attention to the status of the indicator light.
- After driving for some time, the tire pressure may increase slightly as the tire temperature

goes up, which is a normal physical phenomenon.

- If the indicator light remains illuminated, please contact XPENG Service Center for assistance.

## Vehicle Power-Off Operation

### Normal Powering Off

If the vehicle is powered on or in the READY status, and the driver's seat is not occupied and all doors (including the front hood and trunk lid) are closed, the following actions will cause the vehicle to be powered off:

- Lock the vehicle via the smart key.
- Unlock the vehicle via XPENG App



### Emergency Powering Off



The vehicle can perform powering off when the driver is in the seat or doors are open.

- When the vehicle is stationary, if you press and hold the emergency powering off switch for 5 seconds, the vehicle will power off.

- When the vehicle is not stationary, if you press and hold the emergency powering off switch for 5 seconds, the ICM will display pop-up, and you need to tap and confirm before the vehicle power off.

### Automatic Powering Off

When the driver seat is unoccupied, with the vehicle parked and all doors, charging covers, and trunk closed, the vehicle will be powered off automatically after 1 hour of no operation.

When the automatic powering off countdown comes to 10-minute, CID will pop up a reminder. You can tap Cancel to restart the 1-hour countdown.

### Rescue and Protection Kit

#### Rescue and Protection Kit

The vehicle power system is equipped with a traction battery, which may cause high-voltage leakage in the event of a severe crash. Therefore, the vehicle shall be operated by professional

## Emergency Aid



rescue personnel wearing proper protective equipment to ensure personal safety.

### warning

Make sure you do not wear metal accessories (such as a necklace and a watch) when carrying out a rescue for the vehicle to avoid electric shock injuries.

### Electrical Protection

Wear the following protective equipment to avoid injuries from high voltage shock:

- Insulated rubber gloves (for protection against 500V or above).
- Protective goggles.
- Insulated rubber shoes.
- Tools with insulated protective sleeves.

### Chemical Protection

In case of an electrolyte leak from the traction battery, wear the following protective equipment

to prevent injuries to the skin, face, and other body parts:

- Protective masks.
- Solvent insulated gloves.

## Collision Protection

### Collision Protection

The vehicle has the functions of cutting off and releasing high voltage. If a collision meets the conditions of triggering collision protection, the vehicle will automatically cut off the high-voltage power supply. At the same time, it will remind the occupants to leave the vehicle as soon as possible by sound, text, and other means, thereby avoiding disasters and injuries.

## Security Guide

### Security Guide

In the event of a vehicle malfunction or accident, the driver should turn on the hazard warning



## Emergency Aid

lights, wear a reflective vest, and place warning triangles to warn vehicles behind.



1. Park the vehicle in a safe place and turn on hazard warning lights.
2. Take out the reflective vest from the trunk and put it on.
3. Take out the warning triangle from the trunk.



4. Place the warning triangle at the rear of the vehicle.

Warning triangle placement

Normal roads	Normal roads	Highway
Daytime	Nighttime	Highway

## Emergency Aid



≥ 50 m	≥ 80 m	≥ 150 m
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### Jump Power Connection

#### Jump Power Connection

If the power of the 12V battery is too low to start the vehicle, start it by jump power connection.

1. Open the front hood.



2. Open the 12V battery cover at the indicated location.
3. Open the cover on the positive terminal post of the 12V battery.
4. Connect one end of the red cable to the positive (+) terminal of the vehicle's 12V battery and the other end to the positive (+) terminal of the auxiliary external power supply.



5. Connect one end of the black cable to the negative (-) terminal of the vehicle's 12V battery and the other end to the negative (-) terminal of the auxiliary external power supply.
6. Start the vehicle. After it started successfully, remove the connected cables in reverse order.

### warning

- Improper use of connecting cables may lead to the explosion of the battery, causing severe personnel injury.
- The voltage and capacity of the auxiliary power supply must be the same as those of the vehicle's battery; otherwise, it may cause an explosion.
- The battery shall not be exposed to open flame or static electricity; otherwise, the flammable gas produced by the battery may be ignited by a spark and cause an explosion.
- Do not touch high-voltage parts during operation to prevent injury from high voltage electric shock.



## I. Limited Warranty

### 1. Scope of Warranty

This Warranty and Maintenance Manual (hereinafter referred to as the "Manual") applies to the XPENG series models purchased by customers in the Kingdom of Norway. During the vehicle Limited Warranty Period as defined below, XPENG European Holding B.V. registered at Hoogoorddreef 11, 1101 BA, Amsterdam, under the registration number: 862200623 (hereinafter referred to as "XPENG") warrants the vehicle against quality defects in design, workmanship or raw materials, and shall bear the spare parts costs and maintenance man-hour costs arising therefrom (except for the items specified in the Warranty Disclaimer).

The intention of this Manual is to state the scope of the warranties. In the event any of the warranties provided in this Manual should be limited or deviated from what otherwise is required according to applicable local (consumer) law, such as the Norwegian Consumer Purchases Act, of the country where the consumer bought its vehicle, the latter shall prevail. For clarity, nothing in this Manual shall limit a consumer's statutory rights pursuant to the local laws (as applicable). Thus, the deadline for submitting a complaint may be up to five years after the consumer took possession of the vehicle. Instead of invoking the warranties described in this Manual, it is also possible to invoke the warranty that is applicable under the local consumer law of the country where the consumer bought its vehicle.

### 2. Warranty Period

This Manual applies to vehicles registered on or after the 1 January 2023. The key parts, consumable parts, whole vehicle parts and special warranty items are covered by different warranty periods as described in this Manual. For more details, please refer to the table below:



Category	Content	Limited Warranty Period
Warranty Period for Key Parts	Traction battery and battery management system (BMS), drive motor and intelligent power unit (IPU)	96 months or 160,000 km
Warranty Period for Consumable Parts	Wiper blades	6 months or 5,000 km
	12V battery, smart key batteries, light bulbs, fuses, air conditioning filter elements, brake pads, and tires	12 months or 20,000 km
Warranty Period for Whole Vehicle (Basic warranty)	Original whole-vehicle parts other than key parts, consumable parts and special warranty items	60 months or 120,000 km
Special Warranty Items	Paint	36 months with unlimited mileage
	Sheet metal anti-corrosion and anti-rust coating	144 months with unlimited mileage.

**Note:**

The traction battery warranty covers a minimum capacity for a period of 96 months or 160,000 km from the date of first registration, whichever comes first. This warranty covers repairs needed to return the battery capacity to at least 70% of the original battery capacity.

Sheet metal anti-corrosion and anti-rust coating: The limited warranty for body rust only covers rust perforations (holes that pass through the body panels from the inside out due to defects in materials or workmanship);

The above-mentioned warranty periods for key parts, consumable parts, whole vehicle and special warranty items start from the date of delivery and end at the time or mileage limit, whichever occurs first. If there is a separate agreement on the warranty periods for accessories or other products, the



warranty periods specifically agreed for such accessories or products shall prevail.

It is advisable to have your vehicle inspected and maintained at a Service Center designated by XPENG in accordance with the requirements and frequency specified in this Manual, in order to keep your vehicle in optimum condition.

### 3. Transfer of Ownership

The vehicle limited warranty set forth in this Manual shall not be subject to change by the transfer of ownership of the vehicle, but the vehicle limited warranty period shall still start on the date of the first delivery to the original owner

### II. Limited Warranty for Replaced Parts

The original parts (parts supplied by XPENG or third-party suppliers designated by XPENG for new vehicle repair and maintenance as a part of the vehicle) that are recommended by XPENG for customers to maintain the safety and performance of the vehicle and replaced at a facility of a Service Center authorized by XPENG (hereinafter referred to as a "Service Center") are covered by the limited warranty service as described below. During the limited warranty period, XPENG warrants the covered parts of the vehicle against defects in design, workmanship or raw materials during normal use. Replaced parts are covered by different warranty periods, depending on the circumstances of the parts replacement, including:

#### 1. Original parts replaced due to non-quality issues

Original parts that are replaced at a Service Center due to any reason other than quality defects in design, workmanship or raw materials are covered by a limited warranty period of 12 months or 20,000 km for the vehicle mileage (whichever occurs first) from the date of completion of the repair by the Service Center, wiper blades are covered by a limited warranty period of 6 months or 5,000 km for the vehicle mileage (whichever occurs first) from the date of completion of the repair by the Service Center.

#### 2. Original parts replaced due to quality issues

Original parts that are replaced by a Service Center for free due to quality defects in design, workmanship or raw materials are warranted for the remaining limited warranty period as those replaced defective parts, and will not be warranted any more as the remaining limited warranty period of those replaced parts expires.

### III. Warranty Disclaimer

Any malfunctions or incidental damages resulting from the following situations are not covered by the warranty described in this Manual:

01. Systems or parts that are not allowed to be modified, adjusted, or disassembled according to the user manual of your vehicle, but are damaged due to the customer's self-modification, adjustment, or disassembly.
02. Damages caused by the customer's improper handling of the vehicle in the event of quality issues.



### 03. Force majeure or factors beyond the control of XPENG:

- Damage or indirect damage caused by accidents, human factors, environmental factors such as natural disasters, or other force majeure factors including, but not limited to, exposure to sunlight, airborne chemicals, tree sap, animal or insect droppings, road debris (including stone chips), industry fallout, rail dust, salt, hail, floods, acid rain, fire, water, contamination, lightning, explosion, earthquake, and windstorms;
- Product malfunctions caused by abnormal operating conditions (such as decreased remote control range, and remote control failure resulting from environmental electromagnetic interference);
- Malfunctions that occur outside of the warranty period as described in this Manual;
- Damages to the traction battery caused by normal capacity fading, man-made or accidental collision, water, etc.

### 04.XPENG shall not be liable for the following costs incurred for:

- Any repair, alteration or modification of the vehicle, or the installation or use of fluids, parts or accessories, made by a person or facility not authorized or certified to do so.
- Improper repairs or maintenance work (other than that carried out at a Service Center or repair facility authorized by XPENG), including use of fluids, parts or accessories other than those specified in the customer's owner documentation.
- Improper towing of the vehicle.
- Improper winch procedures.
- Theft, vandalism, or riot.
- Driving over uneven, rough, damaged or hazardous surfaces, including but not limited to, curbs, potholes, unfinished roads, debris, or other obstacles, or in competition, racing or autocross or for any other purposes for which the vehicle is not designed.
- Overloading the vehicle.
- Using the vehicle as a stationary power source.
- Economic and time losses caused by the inability to use the vehicle;
- Vehicle storage or rental fees;
- Accommodation, meals, and other travel expenses.

The limitation of liability stipulated above only applies to the extent permitted under mandatory (consumer) law.



05. Damages caused by the customer's failure to properly clean, maintain, store, use, or repair the vehicle in accordance with the user manual of the vehicle or product instructions. Such as:

- Improper maintenance or the use of lubricants or additives other than those we recommend in the user manual;
- The use of non-original spare parts (original spare parts: supplied or agreed by XPENG);
- Maintenance that is not completed within the time and mileage recommendations, as those described in this Manual and the user manual,
- Improper use and maintenance of the vehicle. If the vehicle has been used in severe driving conditions without following the additional maintenance steps specified in the user manual.
- Cannot provide evidence that you have properly maintained your vehicle, such as vehicle maintenance records and receipts;

06. The following is not covered by the limited warranty:

- Corrosion caused by defects in materials or workmanship not manufactured or supplied by XPENG, resulting in perforated body panel or chassis from the inside out;
- Perforated body panel or chassis from the outside in caused by surface or cosmetic corrosion caused by stone chips or scratches;
- Corrosion caused by accidents, abuse, negligence, and/or improper operation;
- Damages caused by installation of accessories not approved by XPENG, exposure to chemical substances, natural disasters, fire, or improper storage.
- Normal deterioration.
  - Normal wear, tear or deterioration such as discoloration, fading or deformation.
  - Surface corrosion on any part other than the sheet metal panels on the exterior body.
  - Gradual wearing of mechanical components in proportion to mileage.
  - The adjustment of doors, bonnets and tailgates.
- Normal maintenance

XPENG will not cover costs for normal maintenance services described under 'Regular Maintenance' in this Manual and 'maintenance' in the user manual, such as:

- inspection
- cleaning and polishing
- minor adjustments



- lubrication
- oil/fluid changes
- replacement of filters
- anti-freeze coolant refill
- wheel alignment and tyre rotation

unless these are carried out as part of a repair under warranty according to this Manual.

#### 07. Vehicle categorised as "total loss" or "insurance write off"

XPENG will not undertake warranty obligations for vehicles categorised as "total loss" or "insurance write off".

#### 08. Other damages to vehicle not caused by vehicle quality issues.

#### IV. Dispute Resolution

In the event that any disputes, differences or controversies arise between the customer and XPENG related to this Manual, XPENG will explore reasonable possibilities for an amicable settlement. If you are consumer, we are legally obliged to inform you of the existence of the Online Dispute Resolution (ODR) platform introduced by the European Commission as a means of nonbinding, out of court compliant and redress mechanism (<https://ec.europa.eu/consumers/odr>). The customer can also contact the Norwegian Consumer Authority. The postal address of the Norwegian Consumer Authority is Postboks 2862 Kjørbekk, 3702 Skien, and the web address is <https://www.forbrukertilsynet.no/>

If a dispute or claim cannot be resolved amicably, either XPENG or the customer may submit their claim to the competent court.

#### V. Warranty Precautions

##### 1. Warranty Certificates

- If you have lost this Manual, please contact XPENG for a replacement in time. After the replacement, you will continue to enjoy relevant warranty services.
- The vehicle sales invoice, this Manual and repair orders and invoices are important certificate documents for you to enjoy the warranty as described in this Manual. XPENG reminds you to keep them properly to prevent loss or damage.

##### 2. Repair and Maintenance Records

If repair or maintenance services are performed on your vehicle, you should keep the relevant documents such as the repair order and invoice, which will be an important evidence to prove that your vehicle has been subject to relevant repair or maintenance services in accordance with the user manual of your vehicle or this Manual.



## 3. Maintenance Time

When having your vehicle repaired or maintained at a Service Center, a reasonable and sufficient time has to be allowed for the Service Center to complete the repair of maintenance services. The Service Center will repair and return your vehicle to you as soon as possible.

## 4. Maintenance Plan

While complying with relevant laws and regulations, XPENG and the Service Center are entitled to develop a specific repair or parts replacement plan pursuant to technical requirements and the actual situation of your vehicle. Parts replaced under warranty belong to XPENG.

## 5. Product Change

XPENG reserves the right to make design changes to the vehicles it produces, and is not obliged to implement any identical or similar changes to any sold vehicle.

## 6. Recall

In the event of product recall, XPENG will provide a reasonable maintenance plan based on the product defects. Under normal circumstances, the defects can be resolved by repairing or replacing parts. In order to eliminate the defects of the vehicle as soon as possible and to ensure that you can drive your vehicle safely, please actively cooperate with XPENG and the Service Center to accept relevant repair or maintenance services after receiving the recall notice or being informed of the recall information through official channels.

## 7. Miscellaneous

Every XPENG vehicle is a highly smart electric vehicle involving many advanced technologies. Therefore we strongly advise you to carefully read the user manual of your vehicle and this Manual before using your vehicle, and drive and maintain your vehicle as suggested. You should inform a Service Center in advance before having any other party than a Service Center perform emergency maintenance on your vehicle.

If you have any questions about the users' rights or obligations concerning the warranty described in this Manual, please contact a Service Center directly.



## I. Necessity of Maintenance

01. Routine maintenance for your vehicle is necessary to ensure proper use and pleasant driving experience, improve the efficiency and reliability of vehicle, and reduce potential maintenance costs.
02. For the daily maintenance services that can be performed by yourself as clearly specified in the user manual of your vehicle, you can complete those services in accordance with the relevant instructions in the user manual.
03. In view of the system complexity of your vehicle and strict after-sales service requirements specified in national laws and regulations for electric vehicles, XPENG hereby strongly recommends you have your vehicle regularly maintained at a Service Center.
04. If you have any questions about how to maintain your vehicle, please contact a Service Center directly.

## II. Daily Maintenance, Precautions and Recommended Use

1. The range of your vehicle is related to the level of discharge. To avoid the performance degradation of the traction battery caused by discharging the traction battery too much, XPENG recommends you to recharge the battery in time and ultimately when the low battery warning light on your CID is on.
2. The actual range of your vehicle will decrease as the age of the traction battery increases.
3. The range of your vehicle depend on various conditions such as weather conditions, load factor, driving style and the use of accessories such as heating or air conditioning.
4. At extreme temperatures (both hot or cold) and low power levels, sluggish acceleration or lack of power may occur due to the characteristics of the traction battery.
5. Have your vehicle maintained regularly.
6. Keep the tire pressure at the level that is advised in the user manual of your vehicle.
7. Try to avoid using your vehicle in hot or cold climates.
8. Do not leave your vehicle parked for too long after you've finished using it during the winter, and charge it as soon as possible.
9. Remove unnecessary items to reduce the load factor on your vehicle.
10. When necessary, turn off high-power electrical appliances such as air conditioner or adjust the heating/cooling temperature to reduce the energy consumed and increase the range.
11. At high speeds, close the windows to reduce air resistance and power consumption.
12. Keep your driving speed steady.
13. When accelerating, press the accelerator pedal gently.
14. When decelerating, release the accelerator pedal. If emergency braking is not necessary, do not press the brake pedal or gently press it to obtain as much braking energy recovered as possible and increase the range.



### III. Regular Maintenance

Have your vehicle maintained at an interval of 12 months or 20,000 km, and perform the second column of maintenance items every 24 months or 40,000 km (e.g. 24 months or 40,000 km, 48 months or 80,000 km, 72 months or 120,000 km). The coolant is recommended to be replaced every 72 months or 120,000 km. The following items in the table shall be performed depending on service time/mileage, whichever occurs first.

To keep your vehicle in good condition, recommended maintenance services shall be performed as needed. For example, maintain or replace the AC filter element in case of too much dirt or poor filtration performance.

System	Inspection Item	Every 12 Months or 20,000 km	Every 24 Months or 40,000 km
		Visual Inspection (V) Adjust (A) Clean (C) Replace (R) Supplement (S) Lubricate (L) Tighten (T)	
Traction Battery System	Traction battery appearance	V	V
	Odor inspection	V	V
	High voltage connector and wiring harness	V	V
	Low voltage connector and wiring harness	V	V
	bolt torque	V+T	V+T
	Balance valve/breather valve	V	V
	repair switch	-	V



System	Inspection Item	Every 12 Months or 20,000 km	Every 24 Months or 40,000 km
		Visual Inspection (V) Adjust (A) Clean (C) Replace (R) Supplement (S) Lubricate (L) Tighten (T)	
Motor System	Front/rear motor appearance	V	V
	Connectors & wiring harness	V	V
	Temperature control pipeline	V	V
	Support rubber and bolt torque	V	T
Three-in-one vehicle power supply	3-in-1 power supply appearance	V	V
	High voltage connector and wiring harness	V	V
	Low voltage connector and wiring harness	V	V
	Temperature control pipeline	V	V
	Low voltage output positive terminal	V	V



System	Inspection Item	Every 12 Months or 20,000 km	Every 24 Months or 40,000 km
		Visual Inspection (V) Adjust (A) Clean (C) Replace (R) Supplement (S) Lubricate (L) Tighten (T)	
	Ground terminal	-	V
	bolt torque	V	T
Electrical Control System	Visual inspection of motor compartment	V	V
	Motor compartment HV connector and wiring harness	V	V
	Motor compartment LV connector and wiring harness	V	V
	Super charging/ Low charging port and wiring harness	V	V
	12V-Battery	V	V
	Lighting and signals	V	V
	Interior lights and ambient lights	V	V
	Multifunction steering wheel	V	V



System	Inspection Item	Every 12 Months or 20,000 km	Every 24 Months or 40,000 km
		Visual Inspection (V) Adjust (A) Clean (C) Replace (R) Supplement (S) Lubricate (L) Tighten (T)	
	XPIlot system	V	V
	Seat memory and adjustment	V	V
	Door opening/closing function	V	V
Electrical Control System	Window functions	V	V
	Power supply and USB	V	V
	Horns	V	V
	CID functions	V	V
	Passive entry and passive start (PEPS)	V	V
	Remote door lock	V	V
	Interior and exterior rear-view mirrors	V	V
	Instrument information and	V	V



System	Inspection Item	Every 12 Months or 20,000 km	Every 24 Months or 40,000 km
		Visual Inspection (V) Adjust (A) Clean (C) Replace (R) Supplement (S) Lubricate (L) Tighten (T)	
	faults		
	Vehicle software version	V + A	V + A
Braking System	EPB	V	V
	Brake caliper and cylinder	V	V
	Brake fluid	V	R
	Brake lines	V	V
	brake pedal travel	V	V
Braking System	lbooster and connectors	V	V
	Brake disc	V	V
	Front and rear brake pads	V	V
Steering System	Free stroke of steering wheel	V	V
	Steering column adjustment	V	V



System	Inspection Item	Every 12 Months or 20,000 km	Every 24 Months or 40,000 km
		Visual Inspection (V) Adjust (A) Clean (C) Replace (R) Supplement (S) Lubricate (L) Tighten (T)	
	Steering motor	V	V
	Steering shaft and dust cover	V	V
	Tie rod ball joint and dust cover	V	V
	EPS function	V	V
Body System	Front and rear windshields, door glass and sunroof glass	V	V
	Washing wipers	V	V
	Washing fluid	S	S
	Seats and slider tracks	V	V
	Door locks, hinges and stoppers	V + L	V + L
	Hood lock, trunk lid latch and hinges	V + L	V + L



System	Inspection Item	Every 12 Months or 20,000 km	Every 24 Months or 40,000 km
		Visual Inspection (V) Adjust (A) Clean (C) Replace (R) Supplement (S) Lubricate (L) Tighten (T)	
Body System	Struts for hood and trunk lid	V	V
	Childproof locks	V	V
	Seat belts and seat belts reminders	V	V
	Seals and weatherstripping for doors	V	V
	Interiors	V	V
	Body rust condition	V	V
Drivetrain & Suspension System	Reducer appearance	V	V
	Reducer oil (replace every 48 months/80,000 km)	V	V
	Drive shaft and dust cover	V	V
	Tires, rims and torques	V + T	V + T



System	Inspection Item	Every 12 Months or 20,000 km	Every 24 Months or 40,000 km
		Visual Inspection (V) Adjust (A) Clean (C) Replace (R) Supplement (S) Lubricate (L) Tighten (T)	
	Tire rotation (if applicable)	V + A + T	V + A + T
	Tire eccentric wear (alignment adjustment if necessary)	V	V
	Wheel bearings	V	V
	Front and rear suspension	V	V
	Shock absorbers and springs	V	V
Drivetrain & Suspension System	Chassis screw torque	V + T	V + T
Cooling System	Coolant (replace every 72 months/120,000 km)	V	V
	Cooling pipeline	V	V
	Water pump	V	V
	Radiator	V + C	V + C



System	Inspection Item	Every 12 Months or 20,000 km	Every 24 Months or 40,000 km
		Visual Inspection (V) Adjust (A) Clean (C) Replace (R) Supplement (S) Lubricate (L) Tighten (T)	
	Shutter	V	V
	Cooling fan	V	V
A/C System	A/C function inspection	V	V
	A/C evaporator drain line	V	V
	Compressor	V	V
	A/C pipeline	V	V
	A/C condenser	V + C	V + C
	PTC wiring harness	V	V
Recommended Maintenance Items (as needed)			
/	Wiper blades (every 3 months or 5000 km)	R	R
	Tire pressure and eccentric wear check (every 3 months)	V + A	V + A



System	Inspection Item	Every 12 Months or 20,000 km	Every 24 Months or 40,000 km
		Visual Inspection (V) Adjust (A) Clean (C) Replace (R) Supplement (S) Lubricate (L) Tighten (T)	
	or 5000 km)		
Air Conditioner	HEPA A/C filter element /A/C filter element	C	R
	It is suggested that replacement period shall not exceed 2 year, depending on local air quality		

The following maintenance services are determined based on normal driving conditions. If you often drive under harsh conditions, please have your vehicle maintained more frequently. For more details, please contact XPENG or a Service Center when you are:

- a. driving in a highly dusty environment.
- b. driving at extremely cold (below 0 °C) or high temperatures (above 40 °C).
- c. driving in wet conditions or wading in water frequently.
- d. driving on roads with a lot of salt or corrosive materials.
- e. braking frequently or driving in mountainous areas.
- f. engaged in operational activities, or your vehicle is often used for special purposes such as high-load use.
- g. engaged in racing or competitive activities.
- h. are planning a retrofitting or making modifications not authorized by XPENG.



## IV. Vehicle Maintenance Log

Maintenance Registration Form			
Date		Mileage	
Maintenance Engineer		Service Center Stamp	
Next Maintenance Due:			
Next Maintenance Mileage:			
Customer Signature:			

Maintenance Registration Form			
Date		Mileage	
Maintenance Engineer		Service Center Stamp	
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Maintenance Registration Form			
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Next Maintenance Mileage:			
Customer Signature:			



## V. Limitation of Liability

To the maximum extent permissible under local applicable law, XPENG hereby disclaims any and all indirect, incidental, special and consequential damages arising out of or relating to the customer's vehicle, including, but not limited to, transportation to and from a Service Center, loss of vehicle value, loss of time, loss of income, loss of use, loss of personal or commercial property, inconvenience or aggravation, emotional distress or harm, commercial loss (including but not limited to lost profits or earnings), towing charges, bus fares, vehicle rental, service call charges, gasoline expenses, lodging expenses, damage to tow vehicle, and incidental charges such as telephone calls, facsimile transmissions, and mailing expenses. To the maximum extent permissible under local applicable law, XPENG will not be liable for any direct damages in an amount that exceeds the fair market value of the vehicle at the time of the claim.

The above limitations and exclusion will apply whether or not the customer's claim is in contract, tort (including negligence and gross negligence), breach of warranty or condition, misrepresentation (whether negligent for otherwise) or otherwise at law or in equity, even if XPENG has been advised of the possibility of such damages or such damages are reasonably foreseeable.

Nothing in this Manual shall exclude, or in any way limit XPENG the liability of XPENG for death or personal injury, solely and directly caused by XPENG negligence of XPENG or that of its employees, agents, or subcontractors (as applicable), fraud or fraudulent misrepresentation, or willful misconduct.

## VI. Modifications and Waivers

No person or entity, including, but not limited to, an XPENG employee or authorized representative, can modify or waive any part of this Manual.



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XPENG