

# Foreword

Dear owners,

Thank you for your trust in Riddara brand and choosing a Riddara vehicle. We are committed to enhancing your work and life with our high-quality products and services.

Before your first use of the vehicle, please read this manual thoroughly and follow all the instructions in this manual. It will help you better understand and use your new vehicle, ensuring good technical condition and optimal performance. The more you know about your vehicle, the safer and more fun you'll enjoy driving it.

In the event of any issues during use, we encourage you to promptly contact a Riddara authorised service centre for service. The authorised service centres are dedicated to delivering top-tier maintenance and repair services. Be sure to adhere to the maintenance guidelines specified in this manual and schedule your maintenance accordingly.

This manual provides as comprehensive information about your vehicle as possible. All content is based on the latest available data at the time of printing. However, as we continuously strive for improvement and optimization, your vehicle may differ from the descriptions provided in this manual. Therefore, we reserve the right to make changes without prior notification. The data, illustrations, and descriptions in this manual shall under no circumstances be used as a legal basis for any claim against Shandong Tangjun Ouling Automobile Manufacture Co., Ltd.

For subsequent updates of this manual or the complete owner's manual, please refer to our official website <https://www.riddara.com>.

This manual is an integral part of the vehicle and should be passed on to the new owner if the vehicle is sold or lent to another person.

All the information in this manual is the latest information at the time of publication, and in case of future updates, supplementary notice will be released in accordance with the relevant regulations.

Shandong Tangjun Ouling Automobile Manufacture  
Co., Ltd.

August  
2024

Shandong Tangjun Ouling Automobile Manufacture Co., Ltd.

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Note: The cover and pictures of this manual are for reference only. The actual information of the vehicle shall prevail.



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# Introduction to owner's manual

## Notes to owners

1. This vehicle is a battery electric vehicle with features that differ from traditional fuel vehicles. Before first use, please read the instructions in this manual carefully. Failure to do so could result in personal injury and property damage and may void your service or warranty.
2. Battery electric vehicles do not need to use the engine to provide power, which is the primary distinction from traditional fuel vehicles. The vehicle uses a lithium-ion battery pack (power battery) to store electrical energy. It is recommended to keep the power battery fully charged before driving. When the vehicle is in motion, the power battery gradually discharges. When the charge level is low, the power battery must be recharged, or the vehicle will not run.
3. The vehicle has two batteries: a lithium-ion power battery (high-voltage) that provides power to the electric motor for driving the vehicle, and a 12V lead-acid battery located in the front compartment. The 12V battery functions similarly to lead-acid batteries in traditional fuel vehicles, supplying power to low-voltage electrical systems such as headlights, audio systems and speakers. The 12V lead-acid battery is charged from the power battery.
4. If you drive the vehicle for the first time or drive it after parking for a long time, there may be a deviation in the SOC displayed on the instrument. It is recommended to fully charge the vehicle before driving.
5. To keep the power battery in its best service status, fully charge it with charging equipment regularly (full charging at least once a week is recommended, and slow charging is preferred).
6. The high-voltage power of the vehicle is about 400V. Do not touch the high-voltage components with bare hands when the high-voltage power supply is connected. The high-voltage components include an electric drive controller, distribution box, power harness device, high and high-voltage auxiliary driving controller, high-voltage main cable, fast charging plug, fast charging port, power battery, drive motor, slow charging port, slow charging plug, etc. The high-voltage cables inside the vehicle are wrapped with orange-yellow corrugated tubing for easy identification.
7. Use a charger connected to the power grid to charge the vehicle's power battery. In addition, as long as the accelerator pedal is released, part of the electric energy is stored in the battery through the motor

- generation, thus extending the driving range of the vehicle, which is called energy recuperation.
8. It is strictly prohibited to simultaneously touch the positive and negative poles of the battery box with both hands.
  9. Do not have any deliberate actions that may damage the battery system, such as crushing, piercing and burning.
  10. When washing the vehicle, try not to aim the water gun at the electrical parts inside the front compartment or in the chassis area.
  11. The vehicle should be parked in an environment where the ambient temperature ranges from -30°C to 55°C. Otherwise, the vehicle may not operate normally.
  12. The vehicle is equipped with an electronic stability control (ESC) system, which includes an anti-lock braking system (ABS). In case of an emergency brake, apply firm and continuous pressure to the brake pedal instead of light taps.
  13. The vehicle features a creep function. When the vehicle is ready for driving (indicated by the READY light), and the gear lever is in the D (Drive) or R (Reverse) position, releasing the brake pedal and parking brake will cause the vehicle to move slowly forward or backwards.
  14. Regularly inspect tyre wear and tyre pressure according to the methods and tyre pressure requirements recommended in this manual.
  15. Use the recommended oils and fluids specified in this manual and adhere to the maintenance requirements specified in the Warranty and Maintenance Manual.
  16. The vehicle is equipped with airbags. To ensure child passenger safety, it is prohibited to use rear-facing child restraint systems on seats protected by frontal airbags (when activated).
  17. To ensure your driving safety, do not disassemble or replace vehicle parts by yourself. Some fasteners on the vehicle may have anti-loosening agents applied, and they cannot be reused after disassembly.
  18. Any retrofit or addition of new equipment on the vehicle without proper authorization is strictly prohibited. Riddara will not assume any responsibility for direct or indirect losses resulting from unauthorised retrofits or additions.
  19. Ensure that the vehicle is parked in an environment free from corrosive, explosive, or insulating gas and away from heat sources.
  20. Ensure that floor mats are correctly positioned and are of the correct size. The foot mats must not interfere with the normal use of pedals, and avoid slippage of the foot mats that affect the pedal

action, thus causing a traffic accident.

21. The Multimedia Manual is essential for understanding the vehicle's infotainment system and is an integral part of this manual. For specific instructions on operating the infotainment system, refer to the Multimedia Manual available in the official website.
22. The content of this manual is based on the product information at the time of publication. To meet the needs of customers and comply with the requirements of regulations, the vehicle's features and performance will be continuously optimized and improved, so there may be differences between the actual vehicle and the description in this manual.

### Prompts

#### Danger



Indicating that ignoring this warning could lead to severe injury or death, and the steps or requirements stated must be strictly followed.

#### Warning



Indicating that the steps or requirements stated here must be noted and followed, otherwise the vehicle may be damaged.

#### Notice



Suggestive statement, which assists you in operating the vehicle in a better way.

#### Eco-friendly



Indicating that the information described here is related to environmental protection.

#### If equipped

If a title or name is followed with "if equipped", the device or function concerned is available to some model, not necessarily in the vehicle.

### Symbols



Indicates an object.



Indicates the movement direction.



Indicates the rotation direction.

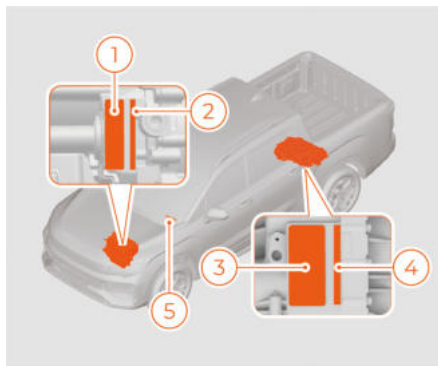


Indicates the forbidden operation or situation.

## Vehicle identification

### Vehicle identification number (VIN)

Please provide the vehicle identification number (VIN) when contacting a Riddara authorised service centre. Additionally, if your inquiry or service request involves the drive motor, you may also need to provide the drive motor code.

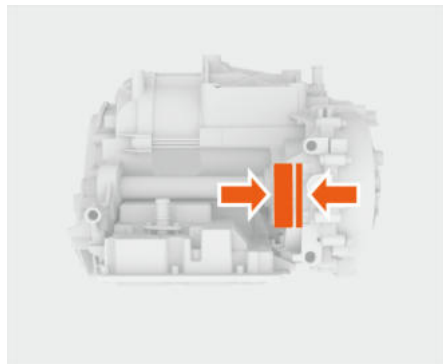


1. Front drive motor model tag (if equipped)
2. Front drive motor code (if equipped)
3. Rear drive motor model tag
4. Rear drive motor code
5. Vehicle identification number (VIN)

## Location of VIN

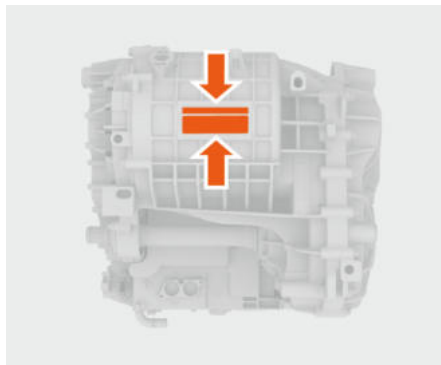
Location of drive motor code/  
identification number

Front drive motor (If equipped)



The drive motor code/identification  
number (if equipped) is on the bottom  
of the motor and the bonnet.

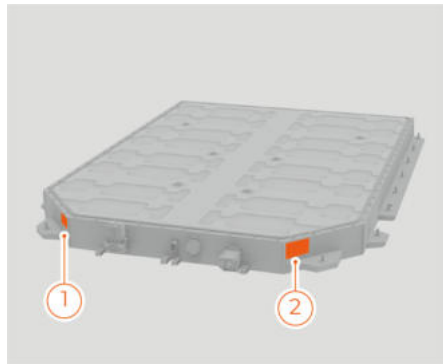
Rear drive motor



The drive motor code/identification  
number is located in the bottom  
middle of the motor and below the  
cargo compartment tailgate.

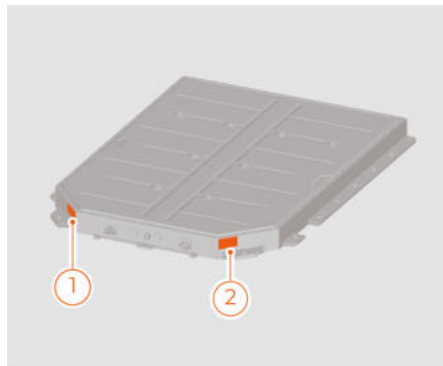
### Location of power battery code

Power battery (NBE731) (if equipped)



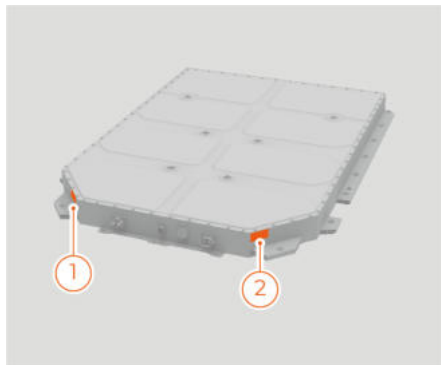
The power battery code is pasted on the rear bevels on both sides of the power battery.

Power battery (NBE862) (if equipped)



The power battery code is pasted on the rear bevels on both sides of the power battery.

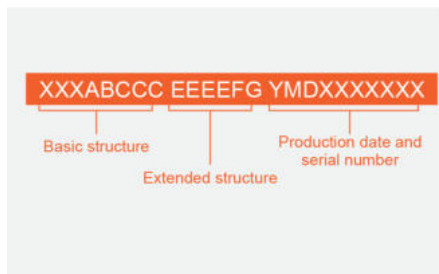
Power battery (NBE632) (if equipped)



The power battery code is pasted on the rear bevels on both sides of the power battery.

1. Riddara 43-digit 2D label
2. 24-digit new GB standard code label

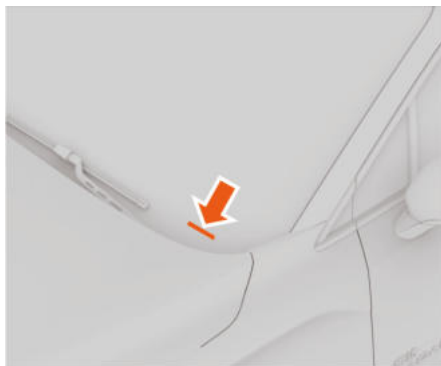
Power battery code:



The power battery code in the 24-digit new GB standard code label is composed of 24 characters. It contains the power battery supplier code, product type, battery type, specification code, origin, production date and serial number and other information.

Riddara 43-digit 2D label shows the part number, traceability code (New GB standard code), and supplier code.

## Location of vehicle identification number (VIN)



There are 4 VIN labels on the vehicle. The VIN label shown in the illustration is located on the dash panel at the lower left corner of the windscreen and can be seen through the windscreen.

### Type 1



### Type 2



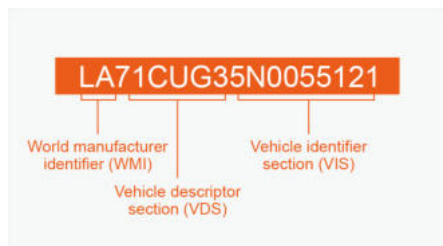
The VIN label, as shown in the illustration, is located on the right front seat beam. You can see VIN by moving the right front seat backward to the utmost and uncovering the blanket.

The locations of the other two VIN labels are as follows:

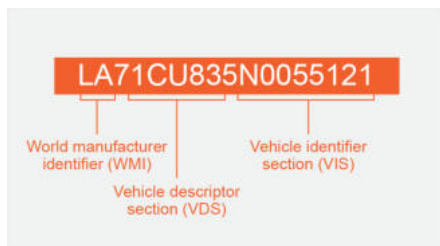
- VCU electronic data
- On the type plate at the lower end of the right side B-pillar panel.

**!** Please provide the vehicle identification number (VIN) when contacting the Riddara authorised service centre. If there is any damage to the identification number engraved under the front passenger seat, please contact the Riddara authorised service centre for service as soon as possible.

### VIN on type plate (Type 1)



### VIN on type plate (Type 2)



The vehicle identification number (VIN) consists of 17 characters. It contains information about the vehicle's manufacturer, model year, body type, code and manufacturing base.

#### Reading VIN

The VIN can be read by a Riddara authorised service centre using a vehicle diagnostic tester. The specific steps are as follows:

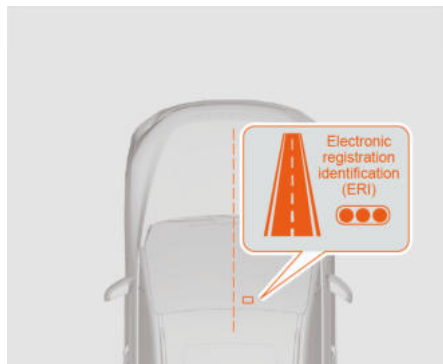
1. Turn the start switch to OFF;
2. Connect the Riddara diagnostic tester to the OBD diagnostic interface.
3. Start the diagnostic program, start the vehicle, and click "Welcome".
4. The VIN is automatically read.



To read VIN using the method above, a professional maintenance person from a Riddara authorised service centre is needed for data reading, since non-professional operation may cause damage to the vehicle.



## Microwave window



The microwave window is located at a place at the horizontal centre and in the upper part in the vertical direction of the windscreen.

The electronic registration identification (ERI) should be installed in the middle, slightly to the right, of the microwave window. It should not be obstructed by the interior rearview mirror mounting bracket, sensor bracket, or other objects.

The ERI contains essential information about the vehicle.



Please keep the windscreen clean and dry. Do not paste film or metal and other materials on the microwave window to ensure the standardized installation of the ERI and the effective reading of the data. Do not block, squeeze or remove the ERI! If the ERI is damaged, reapply it to the issuer immediately.

## Type plate

### Type 1



The type plate is located below the right-side centre pillar and contains the following information:

- Manufacturer name
- Vehicle identification number
- Brand
- Vehicle model
- Drive motor model
- Peak power of drive motor
- Rated voltage/capacity of power battery system
- Vehicle kerb weight
- Max. permissible total mass
- Payload
- Number of passengers
- Manufacture month and year

### Type 2



The type plate is located below the right-side centre pillar and contains the following information:

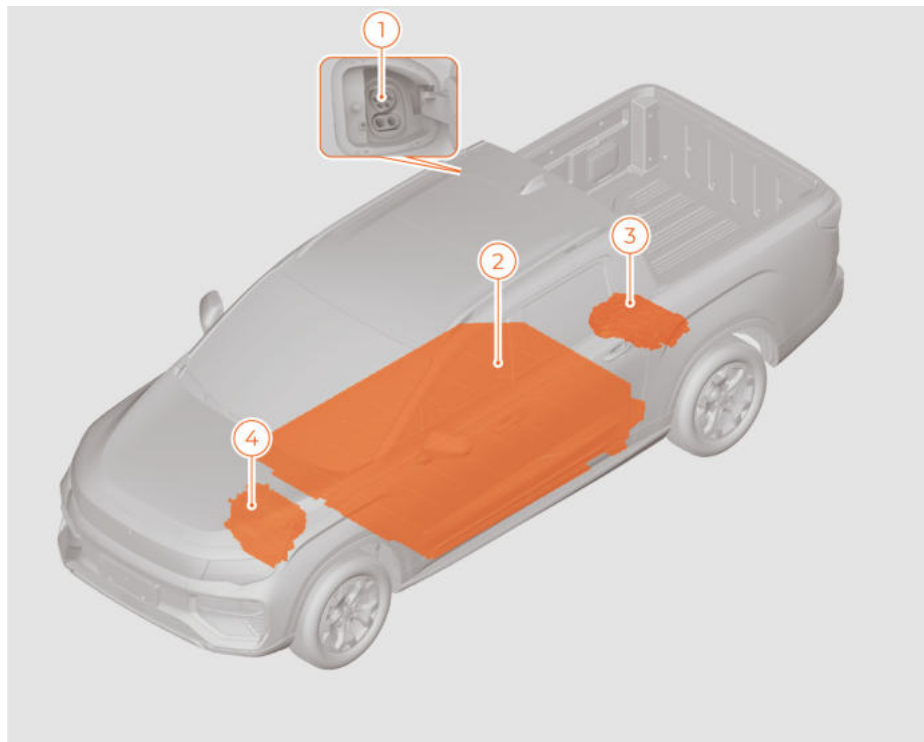
- Manufacturer name
- Vehicle identification number
- Brand
- Vehicle model
- Drive motor model
- Peak power of drive motor
- Rated voltage of power battery system
- Rated capacity of power battery system
- Vehicle kerb weight
- Max. permissible total mass
- Payload
- Number of passengers
- Manufacture month and year

## Battery electric power system introduction

### System layout

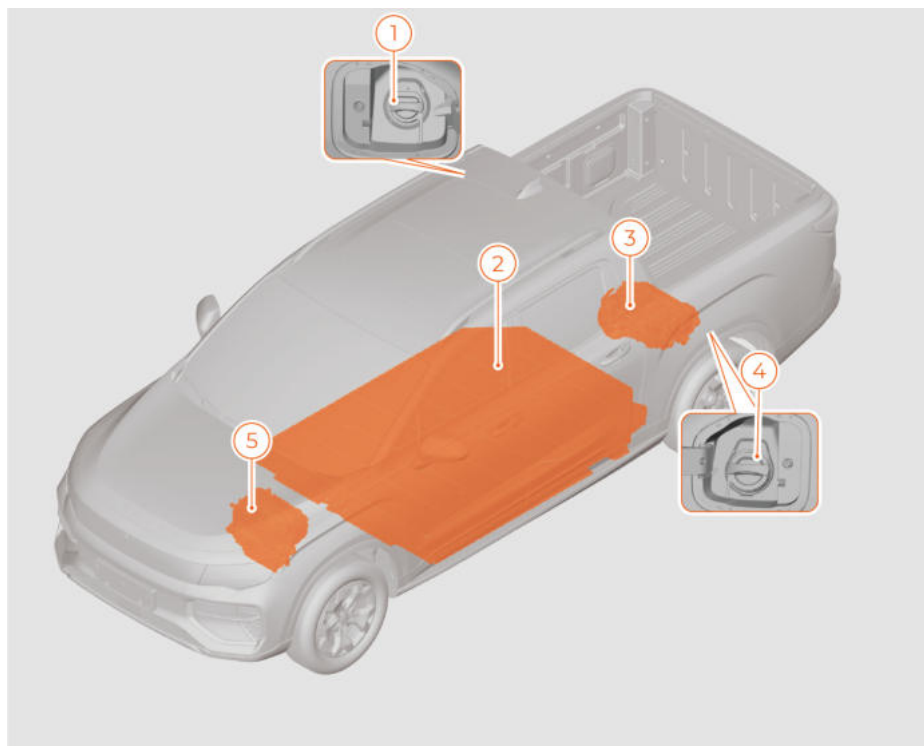
#### European standard

2



- |                  |                                    |
|------------------|------------------------------------|
| 1. Charging port | 3. Rear drive motor                |
| 2. Power battery | 4. Front drive motor (If equipped) |

### Chinese standard



- |                     |                                    |
|---------------------|------------------------------------|
| 1. AC charging port | 4. DC charging port                |
| 2. Power battery    | 5. Front drive motor (If equipped) |
| 3. Rear drive motor |                                    |

## System features

### High voltage safety

The power battery provides DC voltage of about 400V for the high-voltage electrical system, which is converted into three-phase AC power for the drive motor through the motor control unit. The DC high-voltage system is distributed through the high and low-voltage charging system assembly to the heater and compressor. The DCDC (high-to-low voltage converter) is integrated within the high- and low-voltage charging system assembly. The following information is essential to protect vehicle occupants and first responders from high-voltage electrical hazards:

- The high-voltage fuse (inside the power battery) provides short-circuit protection for the power battery.
- The positive and negative high-voltage cables connected to the power battery are usually controlled by a high-voltage relay. When the high-voltage power supply of the vehicle is disconnected, the relay is disconnected to prevent current from flowing out of the power battery.
- To prevent serious injury or death from severe burns or electric shock, never touch, cut, or damage any orange high-voltage cables or high-voltage components.

- The positive and negative cables are insulated from the metal body. High-voltage current flows through these cables and does not pass through the metal body. It is safe to touch the metal body as it is insulated from high-voltage components.

### Warning message

In case of power system failure or improper operation of the user, the instrument cluster will automatically display warning messages. Please read and follow the instructions in these messages. If warning lamps illuminate, warning messages are displayed, or there is a low-voltage battery fault, the power system may not start. In this case, please try to restart the system. If the READY indicator fails to illuminate, please contact a Riddara service centre for inspection and repair.

## Charging system

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When the impact sensor detects a certain level of impact, it will urgently disconnect the system and high-voltage current output to minimize the risk of electric shock. Once this function is activated, the vehicle cannot be restarted. To restart the vehicle, you need to contact a Riddara service centre for inspection and repair.



The vehicle is equipped with high-voltage DC and AC systems, as well as a 12V low-voltage system. The high-voltage DC and AC equipment systems can be extremely dangerous, and in the event of a failure, they may result in severe personal injury or even death.

### Power battery

As one of main power sources, the power battery can be charged repeatedly. The primary methods of charging the power battery through the external power supply are AC charging and DC charging, and the power battery can also be charged through the motor when the vehicle is braking or coasting.



To keep the power battery in optimal condition, it's necessary to recharge the battery if the vehicle has not been driven for more than three months or if the battery charge level is too low. Failure to do so could result in over-discharge of the power battery, leading to reduced battery performance. Vehicle malfunction or damage caused by this could void the warranty.

- For a new vehicle with a healthy power battery, the actual endurance mileage may vary due to factors such as driving habits (frequent acceleration and deceleration), road conditions (steep uphill roads), temperature (cold weather), and the use of electrical accessories (e.g. air conditioning).
- At low temperatures (below 0 °C), the chemical reaction rate in the battery is reduced, and the effective energy provided by the battery is reduced, which is quite normal.
- All of a vehicle's electrical appliances are battery-powered. At low temperatures, the self-heating function of the power battery system will be activated, and the air conditioning in the passenger compartment will start heating. The energy allocated to the power system will be reduced, thus shorting the endurance mileage correspondingly.
- The power battery is a specialized chemical product that requires proper use and maintenance. Regular full charging and discharging are crucial for maintaining optimal performance. Additionally, due to its chemical properties, the capacity of power battery naturally decreases over time. Therefore, for vehicles that have been in use for some time, it is advised to have them checked at a Riddara authorised service centre

when their endurance mileages vary considerably when fully charged.

**i** For long-term parking vehicles equipped with Lfp battery packs, it is necessary to confirm that the SOC is 50% to 70% before parking. Batteries shall be maintained at least once every 3 months, fully charged by slow charging and then discharged to 50-70% before being parked.

### Notes

The power battery is a high-voltage energy storage device and classified as a hazardous item. Improper handling and usage by non-professionals can lead to serious consequences such as electric shock, fire, or explosion. The installation and maintenance of power batteries must be carried out by professional technicians at Riddara authorised service centres and the use of them must strictly adhere to relevant safety regulations. It is strictly forbidden for non-professionals to install and maintain power batteries and use them beyond their scope. Any battery damage or other losses resulting from improper use or usage beyond specified limits will not be covered by warranty. Please note the following points:

1. Protection against moisture and water  
There are many high-voltage control lines and single batteries in a power battery. Liquids entering a power battery can cause short circuits, leakage and corrosion of cells, electronic circuits and connectors. Therefore, it is necessary to ensure that the power battery will not be immersed in various liquids and wet air.
2. Protection against ambient heat  
Maintaining the power battery within the optimal operating temperature range significantly

extends its lifespan and enhances safety. Therefore, you should park your vehicle in areas with thermal insulation and good ventilation.

3. Protection against shock and collision

The power battery contains cells connected in series and is installed with a management system and various sensor elements. To prevent the battery from impact, be careful when driving on bumpy roads.



## Charging system introduction

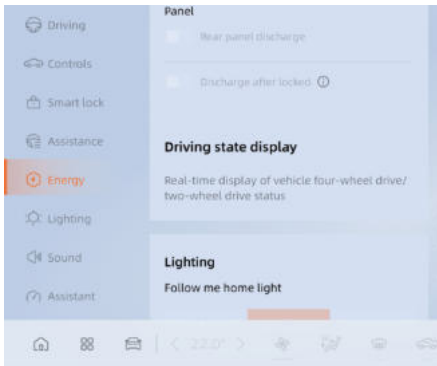
### Charging port (European standard)

The vehicle has two kinds of charging ports: AC and DC. You can charge the power battery after opening the protective cover of the charging port.



Do not remove or modify the charging port without authorization.

### Vehicle charging



Click on the multimedia display step by step: My car → Energy management → Vehicle charging, to set the preset charging and charging limit.

### AC charging port



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

If the vehicle needs to be charged in AC charging mode, open the recharger hatch and connect the AC charging device to the AC charging port.

### Opening charging port



1. Open the charging port flap by pressing on its left side.



2. Remove the charging port cover.

### Electronic lock

The vehicle is equipped with an electronic lock function for AC charging, which prevents hot plugging of the charging gun and also prevents the charging gun from being stolen. The electronic lock is installed on the charging port and controls the extension and retraction of the cylindrical lock lever to lock and unlock the charging gun.

#### Locking

The electronic lock automatically locks when you insert the charging gun into the port with all charging conditions met.

#### Unlocking

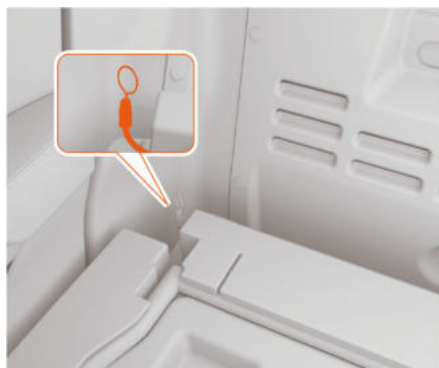
There are two ways to unlock:

1. When the start switch is in the OFF position, press the unlock button on the smart key or the central unlock button to unlock.


2. In case the key-operated unlocking is not working, you can unlock it by pulling the emergency release ring.

**i** After pressing the unlock button on the smart key, if you do not unplug the charging gun and there is no further operation on the smart key within 30 seconds, the electronic lock will automatically relock, and charging will continue.

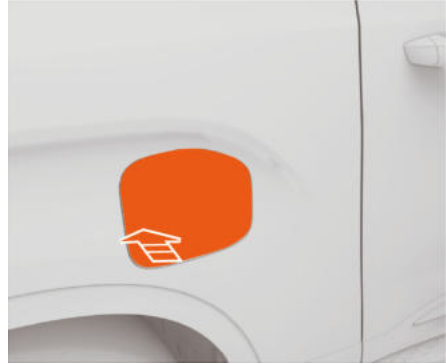
### Emergency release ring



When charging the battery through the slow charging port, if an unexpected situation (e.g., power failure of the vehicle or mechanical failure of electronic lock) prevents the slow charging gun from being pulled out, the gun can be manually unlocked using the emergency release ring for emergency unlocking. The emergency release ring is located on the right rear side of the rear backrest and can be seen after folding down the seat back.

 Before closing the charging port flap, please ensure that the charging port cover is securely in place to prevent water or dust from entering the charging port and causing malfunctions. To prevent potential discharge due to abnormal power failure and ensure personal safety, unlock the vehicle, then press the button on the charging plug, remove the charging gun, and finally disconnect the plug from the power grid.

## Opening DC charging port



2

## DC charging port



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

1. Open the charging port flap by pressing on its left side.



2. Remove the protective covers of the AC and DC charging ports.

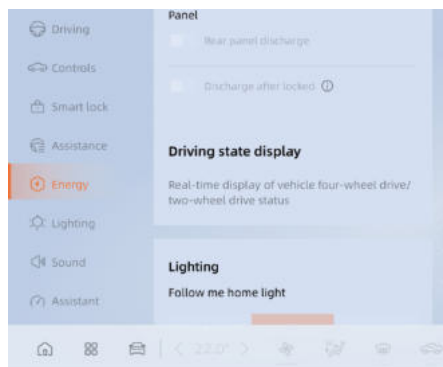
### Charging port (Chinese standard)

The vehicle has two kinds of charging ports: AC and DC. You can charge the power battery after opening the charging port cover.



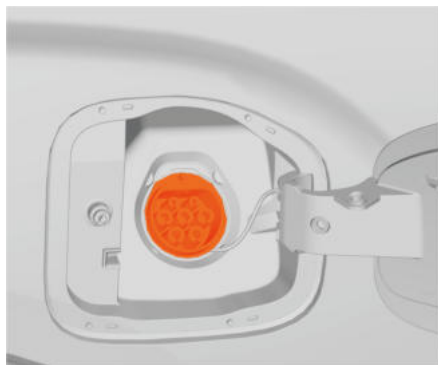
Do not remove or modify the charging port without authorization.

### Vehicle charging



Click on the multimedia display step by step: My car → Energy management → Vehicle charging, to set the preset charging and charging limit.

### AC charging port



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

If the vehicle needs to be charged in AC charging mode, open the recharger hatch and plug the AC charger into the AC charging port.

### Opening AC charging port



1. When the vehicle is unlocked, open the AC charging port flap by pressing on its left side.



2. Remove the AC charging port cover.

### Electronic lock

The vehicle is equipped with an electronic lock function for AC charging, which prevents hot plugging of the charging gun and also prevents the charging gun from being stolen. The electronic lock is installed on the charging port and controls the extension and retraction of the cylindrical lock lever to lock and unlock the charging gun.

#### Locking

The electronic lock automatically locks when you insert the charging gun into the port with all charging conditions met.

#### Unlocking

There are two ways to unlock:

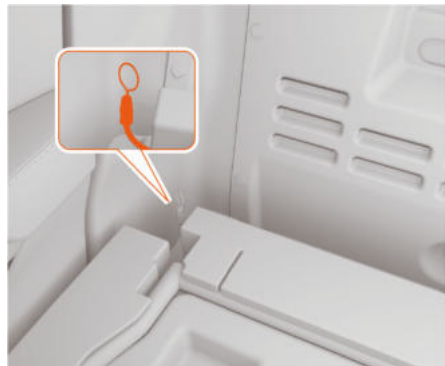
1. When the start switch is in the OFF position, press the unlock button on the smart key or the central unlock button to unlock.

2. In case the key-operated unlocking is not working, you can unlock it by pulling the emergency release ring.


**i** After pressing the unlock button on the smart key, if you do not unplug the charging gun and there is no further operation on the smart key within 30 seconds, the electronic lock will automatically relock, and charging will continue.

2

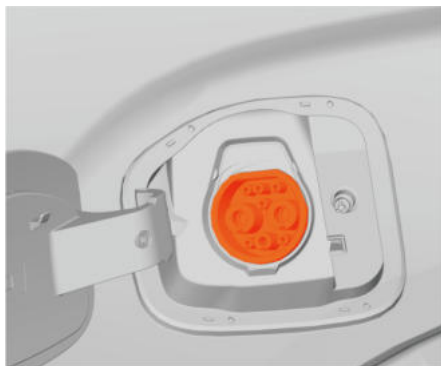
### Emergency release ring



When charging the battery through the slow charging port, if an unexpected situation (e.g., power failure of the vehicle or mechanical failure of electronic lock) prevents the slow charging gun from being pulled out, the gun can be manually unlocked using the emergency release ring for emergency unlocking. The emergency release ring is located on the right rear side of the rear backrest and can be seen after folding down the seat back.

 Before closing the charging port flap, please ensure that the charging port cover is securely in place to prevent water or dust from entering the charging port and causing malfunctions. To prevent potential discharge due to abnormal power failure and ensure personal safety, unlock the vehicle, then press the button on the charging plug, remove the charging gun, and finally disconnect the plug from the power grid.

### DC charging port



The DC charging port is on the left rear side of the vehicle.

### Opening DC charging port



1. When the vehicle is unlocked, open the DC charging port flap by pressing on its right side.

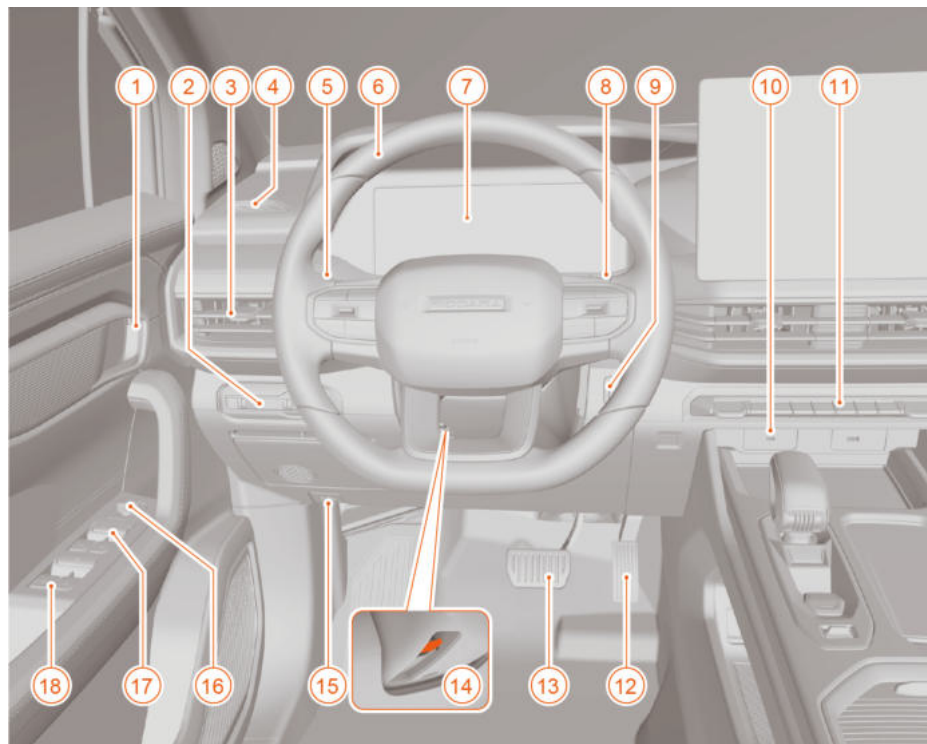


2. Remove the DC charging port cover.

## Instrument and controls

### Driver side overview

#### Type 1

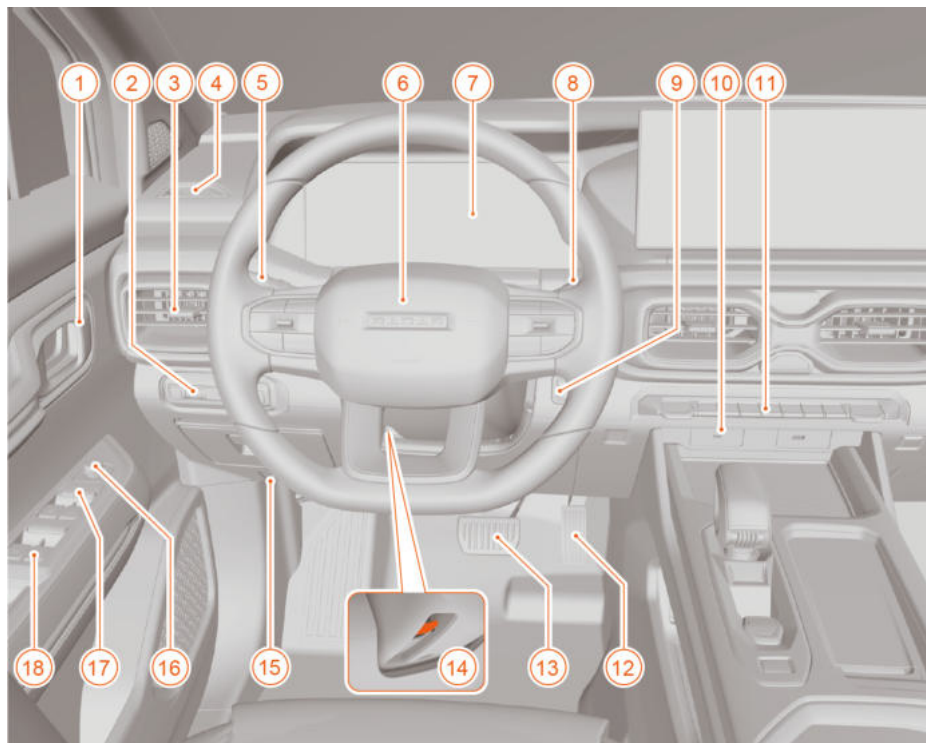


- |                                    |  |
|------------------------------------|--|
| 1. Door inner handle               | 10. Type-C charging port                       |
| 2. Console switch module           | 11. A/C control panel                          |
| 3. Left side air outlet            | 12. Accelerator pedal                          |
| 4. Left defroster air outlet       | 13. Brake pedal                                |
| 5. Steering wheel module for lamps | 14. Steering wheel adjustment lever            |
| 6. Steering wheel                  | 15. Bonnet release handle                      |
| 7. Instrument cluster              | 16. Exterior rearview mirror adjustment switch |

- |                                     |                                 |
|-------------------------------------|---------------------------------|
| 8. Steering wheel module for wipers | 17. Central locking button      |
| 9. Start switch                     | 18. Power window control switch |



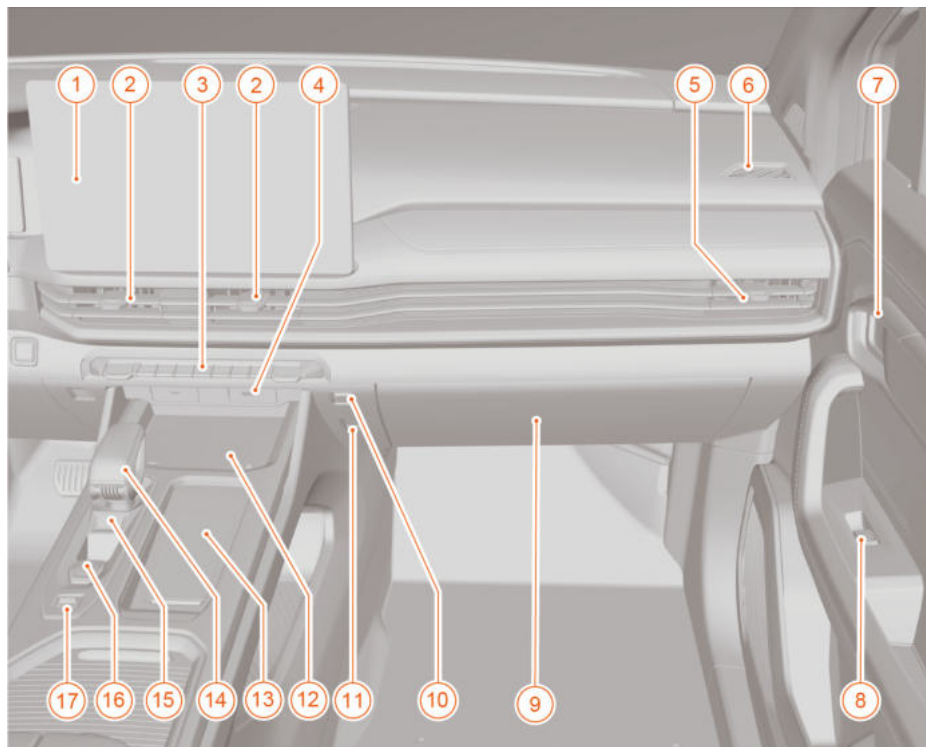
## Type 2



- |                                     |  |
|-------------------------------------|--|
| 1. Door inner handle                | 10. Type-C charging port                       |
| 2. Console switch module            | 11. A/C control panel                          |
| 3. Left side air outlet             | 12. Accelerator pedal                          |
| 4. Left defroster air outlet        | 13. Brake pedal                                |
| 5. Steering wheel module for lamps  | 14. Steering wheel adjustment lever            |
| 6. Steering wheel                   | 15. Bonnet release handle                      |
| 7. Instrument cluster               | 16. Exterior rearview mirror adjustment switch |
| 8. Steering wheel module for wipers | 17. Central locking button                     |
| 9. Start switch                     | 18. Power window control switch                |

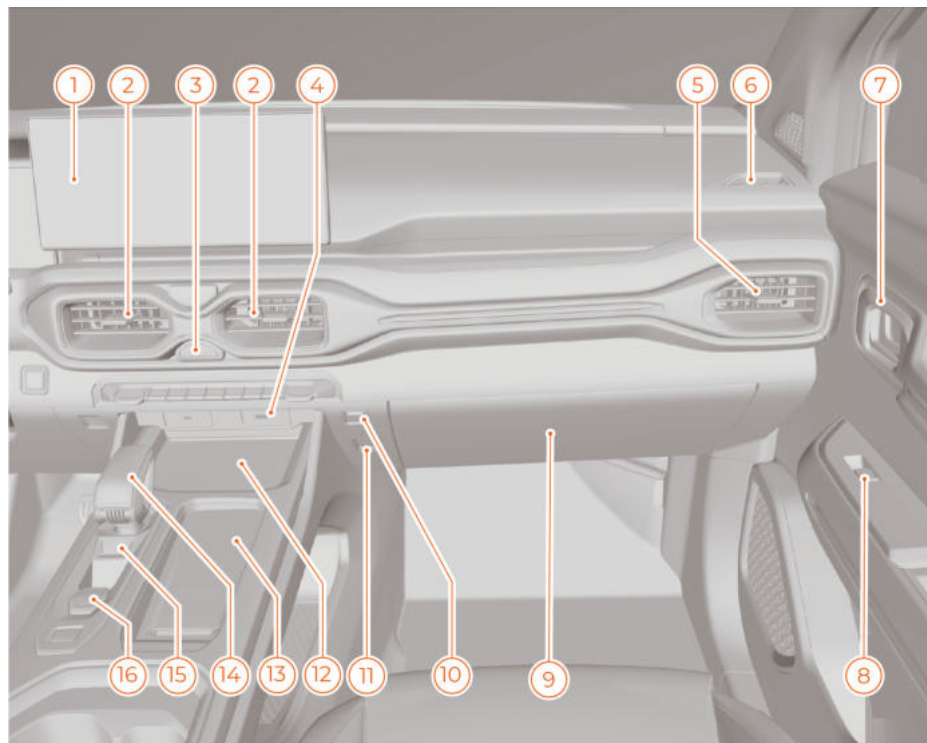
## Passenger side overview

### Type 1



- |   |   |
|---|---|
| 1. Display  | 10. Glove box switch                      |
| 2. Central air outlet                               | 11. Hook                                  |
| 3. Hazard warning lamp switch                       | 12. Center console upper storage box      |
| 4. Multimedia interface                             | 13. Wireless charging pad                 |
| 5. Right side air outlet                            | 14. Electronic shift lever                |
| 6. Right defroster air outlet                       | 15. Gear P button                         |
| 7. Door inner handle                                | 16. Electronic Parking Brake (EPB) switch |
| 8. Front passenger side power window control switch | 17. Drive mode switch (if equipped)       |
| 9. Glove box  |   |

## Type 2



- |   |   |
|---|---|
| 1. Display  | 9. Glove box                              |
| 2. Central air outlet                               | 10. Glove box switch                      |
| 3. Hazard warning lamp switch                       | 11. Hook                                  |
| 4. Multimedia interface                             | 12. Center console upper storage box      |
| 5. Right side air outlet                            | 13. Wireless charging pad                 |
| 6. Right defroster air outlet                       | 14. Electronic shift lever                |
| 7. Door inner handle                                | 15. Gear P button                         |
| 8. Front passenger side power window control switch | 16. Electronic Parking Brake (EPB) switch |

### Instrument cluster

#### Instrument cluster overview (10.2 inches)



1. Temperature display area  
Temperature: always-On, the outdoor temperature display ranges from -40°C~ 60°C.
2. Drive mode display area  
Drive mode: depending on the selected drive mode, it will be displayed as Comfort mode, Eco mode, Sport mode, Snow mode (if equipped), Mud mode (if equipped), and Off-road mode (if equipped).
3. Alarm message and intelligent driving information display area  
Display the current alarm message and intelligent driving information of the vehicle.
4. Navigation information display area  
Display navigation information when navigation is turned on.
5. Infotainment display area
  - Driving information: trip distance, since starting, tyre status.
  - Media: music.
  - Communication: recent calls.
  - Views: map view, driving assistance view.
  - Warning: warning list.

6. Time display area  
The GPS time is displayed by default. Click on the multimedia display step by step: My car → General → Time, and the time format can be set on this screen.
7. Energy recovery display area  
Display the energy recovery level.
8. Total distance display area  
Display the total distance travelled of the vehicle.
9. Alarm message and intelligent driving information display area  
Display the current alarm message and intelligent driving information of the vehicle.
10. Power battery driving mileage display area  
Display the remaining distance that the vehicle can travel.
11. Speed display area  
The speedometer displays the current speed of the vehicle. Click on the multimedia display step by step: My car → General → Unit, and the speed unit can be set on this screen.
12. Gear information display area  
Gear: based on the selected gear, it will be displayed as P, R, N, D.

### Display settings



For safety reasons, it is prohibited to set the instrument cluster while the vehicle is in motion.

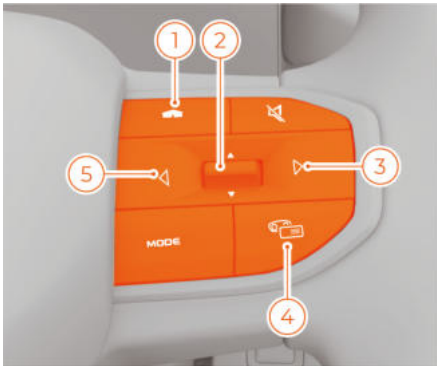


It is important to activate the steering wheel combined use function before setting up the instrument cluster.

next item in the instrument cluster menu.

- When the instrument cluster menu is opened, short press this button to confirm the selection of menu items and fix the options; Long press this button to reset the ECU or block the ordinary warning.

### Steering wheel combined use function



Short-press the MODE button on the right side of the steering wheel to activate the steering wheel combined use function.

1. Home button: Return to the home page.
2. Confirm:
  - When the instrument cluster menu is opened, press this button upward to select the previous item in the instrument cluster menu.
  - When the instrument cluster menu is opened, press this button downward to select the

3. Right selection button: When the instrument cluster menu is opened, short press this button to select menu items to the right in the instrument cluster menu.
4. Modes switch key: Press this button to switch the control of the steering wheel button to the multimedia host and the instrument cluster.
5. Left selection button/Back button: When the instrument cluster menu is opened, short press this button to select menu items to the left in the instrument cluster menu.

### “Lights not off” alerts



### Lights not turned off

When the start switch is in the OFF position, and if the position lamp or front combination lamp is on with the left front door open, the instrument cluster will display an alert message "Lights not off", and a buzzer will sound to remind the driver.



Please turn off all lights when you leave the vehicle to prevent the low-voltage battery from draining and being unable to start the vehicle.

### “Doors not closed” alerts

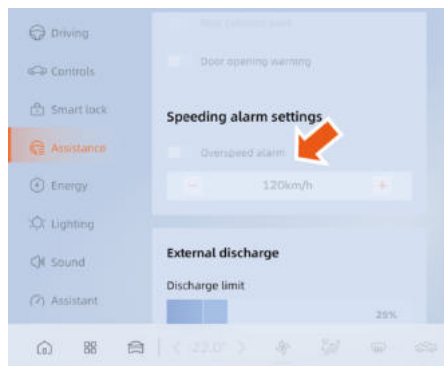


During driving, if any of the four doors is not properly closed, a warning message will appear on the instrument cluster with a warning sound to prevent accidental opening while the vehicle is in motion.

### Overspeed alarm

When the speed displayed on the instrument cluster exceeds the set overspeed alarm speed, the buzzer sounds and the message "You have exceeded the speed limit" is displayed on the instrument cluster display. This is to remind the driver to slow down and drive safely. The speed setting range for the overspeed alarm: 30 ~ 260 km/h. If the overspeed alarm speed is set to 120 km/h, it will sound an alarm when the speed exceeds 120 km/h to remind the driver to control the speed. When the speed is less than 115 km/h, the alarm will be cleared.

### Activating/deactivating overspeed alarm function



Click on the multimedia display step by step: My car → Driving assistance → Overspeed alarm setting, and turn on or off the overspeed alarm function on this screen.

#### Setting overspeed alarm limit

Click on the multimedia display step by step: My car → Driving assistance → Overspeed alarm setting, and set the alarm speed on this interface (by clicking on +/- the speed changes in units of 5 km/h).

#### Setting warning volume

Click on the multimedia display step by step: My car → Sound → Driving safety volume → Vehicle alarm volume → High/Medium/Low (according to the original 10 level sound setting, High is 10, Medium is 6, and Low is 3).



## Overview of instrument cluster (10.25 inches)



3

1. Time display area  
The GPS time is displayed by default. Click on the multimedia display step by step: My car → General → Time, and the time format can be set on this screen.
2. Gear information display area  
Gear: based on the selected gear, it will be displayed as P, R, N, D.
3. Speed display area  
The speedometer displays the current speed of the vehicle. Click on the multimedia display step by step: My car → General → Unit, and the speed unit can be set on this screen.
4. Drive mode display area  
Drive mode: Depending on the selected drive mode, it will be displayed as Comfort mode, Eco mode, and Sport mode.
5. Temperature display area  
Temperature: always-On, the outdoor temperature display ranges from -40°C~ 60°C.
6. Infotainment information and alarm message display area
  - Driving information: trip distance, since starting, tire status.
  - Media: music.
  - Communication: recent calls.
  - Alarm messages: Safety alarm messages will not disappear before the associated alarms are cleared, and general alarm messages can be hidden in the background by pressing the confirm button on the right side of the steering wheel.
7. Total distance display area  
Display the total distance travelled of the vehicle.

8. Energy recovery display area  
Display the energy recovery level.
9. Power battery driving mileage  
display area  
Display the remaining distance  
that the vehicle can travel.

## Display settings



For safety reasons, it is prohibited to set the instrument cluster while the vehicle is in motion.



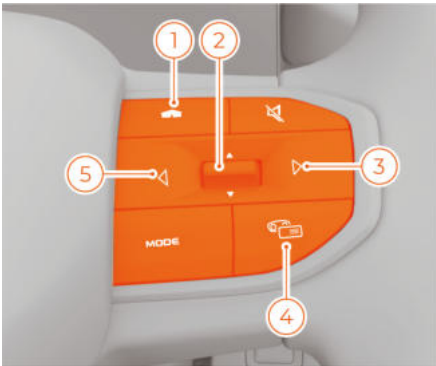
It is important to activate the steering wheel combined use function before setting up the instrument cluster.

next item in the instrument cluster menu.

- When the instrument cluster menu is opened, short press this button to confirm the selection of menu items and fix the options; Long press this button to reset the ECU or block the ordinary warning.

3

## Steering wheel combined use function

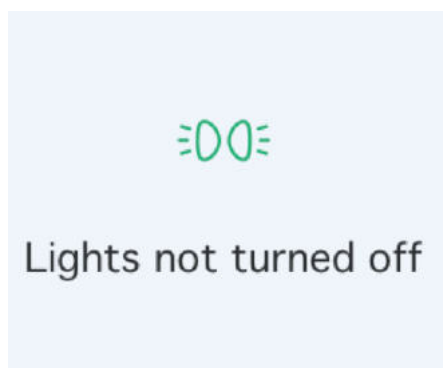


Short-press the MODE button on the right side of the steering wheel to activate the steering wheel combined use function.

1. Home button: Return to the home page.
2. Confirm:
  - When the instrument cluster menu is opened, press this button upward to select the previous item in the instrument cluster menu.
  - When the instrument cluster menu is opened, press this button downward to select the

3. Right selection button: When the instrument cluster menu is opened, short press this button to select menu items to the right in the instrument cluster menu.
4. Modes switch key: Press this button to switch the control of the steering wheel button to the multimedia host and the instrument cluster.
5. Left selection button/Back button: When the instrument cluster menu is opened, short press this button to select menu items to the left in the instrument cluster menu.

### “Lights not off” alerts



When the start switch is in the OFF position, and if the position lamp or front combination lamp is on with the left front door open, the instrument cluster will display an alert message "Lights not off", and a buzzer will sound to remind the driver.



Please turn off all lights when you leave the vehicle to prevent the low-voltage battery from draining and being unable to start the vehicle.

### “Doors not closed” alerts

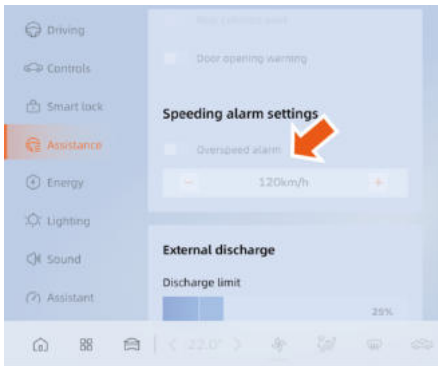


During driving, if any of the four doors is not properly closed, a warning message will appear on the instrument cluster with a warning sound to prevent accidental opening while the vehicle is in motion.

### Overspeed alarm

When the speed displayed on the instrument cluster exceeds the set overspeed alarm speed, the buzzer sounds and the message "You have exceeded the speed limit" is displayed on the instrument cluster display. This is to remind the driver to slow down and drive safely. The speed setting range for the overspeed alarm: 30 ~ 260 km/h. If the overspeed alarm speed is set to 120 km/h, it will sound an alarm when the speed exceeds 120 km/h to remind the driver to control the speed. When the speed is less than 115 km/h, the alarm will be cleared.

## Activating/deactivating overspeed alarm function



3

Click on the multimedia display step by step: My car → Driving assistance → Overspeed alarm setting, and turn on or off the overspeed alarm function on this screen.

### Setting overspeed alarm limit

Click on the multimedia display step by step: My car → Driving assistance → Overspeed alarm setting, and set the alarm speed on this screen (by clicking on +/-, the speed changes in units of 5 km/h).

### Setting warning volume

Click on the multimedia display step by step: My car → Sound → Driving safety volume → Vehicle alarm volume → High/Medium/Low (according to the original 10 level sound setting, High is 10, Medium is 6, and Low is 3).

## Warning and indicator lamps















Location of warning and indicator lamps

10.2-inch colour TFT display



















Introduction to warning and indicator lamps











Sym bol	Name	Description
	Left turn indicator	Left turn signal lamp is on
	Right turn indicator	Right turn signal lamp is on
	Low beam indicator	Low beam is on
	High beam indicator	High beam is on
	Rear fog lamp indicator	Rear fog lamp is on
	Position lamp indicator	Position lamp is on
	Airbag malfunction indicator lamp	Fault in the airbag system
	Adaptive driving beam (ADB) indicator	Fault in adaptive driving beam (ADB)
		Adaptive Driving Beam (ADB) function is enabled

Sym bol	Name	Description
		and activated
		Adaptive Driving Beam (ADB) function is enabled but not activated
	Electronic parking brake (EPB) malfunction indicator lamp	Fault in electronic parking brake system
	Parking brake warning lamp	Parking brake is activated
	Parking brake indicator	The AUTO HOLD function is activated
	Brake system malfunction indicator lamp	The brake system is faulty
	Low brake fluid level indicator	The braking fluid level is too low
	Automatic parking (AUTO HOLD) status indicator lamp	AUTO HOLD is activated
		AUTO HOLD is faulty
	Front seat belt warning lamp	Driver/front passenger seat belt not fastened
	Tyre pressure warning lamp	Tyre pressure monitoring system malfunction, tyre pressure abnormal, or not learned
	Electronic Stability Control (ESC) malfunction indicator lamp	The electronic stability control system is faulty
	Electronic Stability Control (ESC) OFF indicator lamp	The electronic stability control system is turned off
	AVAS off indicator	The acoustic vehicle alerting system is turned off
	AEB off indicator (If equipped)	The automatic emergency brake (AEB) system is turned off
	AEB malfunction indicator lamp (If equipped)	The automatic emergency brake (AEB) system is faulty











## Instrument and control













Symbol	Name	Description
	LKA status indicator (If equipped)	The Lane Keeping Assist (LKA) system is enabled
		Lane departure warning (LDW)
		The Lane Keeping Assist (LKA) system is disabled
	Motor system malfunction indicator lamp	The drive motor and controller are faulty
	Motor system overheating warning lamp	Drive motor temperature is too high
	EPS malfunction indicator lamp	The electronic power steering (EPS) system is faulty
	Intelligent Cruise Control (ICC) status indicator (If equipped)	Intelligent Cruise Control (ICC) is enabled but not activated
		Intelligent Cruise Control (ICC) is activated
		Intelligent Cruise Control (ICC) function is enabled
		Intelligent Cruise Control (ICC) function is disabled
		Intelligent Cruise Control (ICC) is faulty
	Adaptive Cruise Control (ACC) status indicator lamp (if equipped)	Adaptive Cruise Control (ACC) is enabled but not activated
		Adaptive Cruise Control (ACC) is activated
		Adaptive Cruise Control (ACC) is enabled
		Adaptive Cruise Control (ACC) is faulty
	Cruise status indicator (If equipped)	The vehicle is in cruise mode



Sym bol	Name	Description
		Cruise is activated
	Powertrain malfunction indicator lamp	The powertrain is faulty
	Charging/discharging cable connection indicator	The charging/discharging gun is connected (plugged in)
	Power battery charging indicator	The power battery is charging
	Power battery malfunction indicator lamp	The power battery is faulty
	Battery charging malfunction indicator lamp	The battery charging is faulty
	Low battery indicator	The power battery level is low
Com- fort	Comfort mode indicator	The drive mode is Comfort
ECO	ECO mode indicator lamp	The drive mode is ECO
Sport	Sport mode indicator	The drive mode is Sport
Snow	Snow mode indicator	The drive mode is Snow
Off- road	Off-road mode indicator	The drive mode is Off-road
Mud	Mud mode indicator	The drive mode is Mud
Wade	Wade mode indicator	The drive mode is Wade
	Hill Descent Control System (HDC) indicator	The hill descent control system is faulty
		The hill descent control system is activated
	Blind Spot Detection (BSD) status indicator (If equipped)	The side rear radar assist system works properly

## Instrument and control
















Sym bol	Name	Description
		The side rear radar assist system is faulty
<b>EBD</b>	Electronic Brake Force Distribution (EBD)/Brake energy recovery malfunction indicator lamp	Electronic brake force distribution/brake energy recovery system is faulty
	Anti-lock Braking System (ABS) malfunction indicator lamp	The anti-lock braking system is faulty
	Power limitation indicator	The vehicle has developed some specific faults and the power is limited.
<b>AFS</b>	AFS malfunction indicator lamp (if equipped)	AFS is faulty
	Important alarm indicator	More than 1 security alarm is being displayed
	Secondary alarm indicator	More than 1 general alarm is being displayed or there are general alarms hidden in the alarm list.
	Towing mode indicator (If equipped)	Towing mode is enabled
<b>2WD</b>	Two-wheel drive status indicator	Two-wheel drive is enabled
<b>4WD</b>	Four-wheel drive status indicator	Four-wheel drive is enabled
	Energy recovery level indicator	Energy recovery is activated and the recovery level is "High"
		Energy recovery is activated and the recovery level is "Medium"
		Energy recovery is activated and the recovery level is "Low"
	Intelligent turn assist indicator	Intelligent turn assist function is enabled

Sym bol	Name	Description
		Intelligent turn assist function is activated
		Intelligent turn assist function is disabled
	LIM status indicator	LIM function is activated
		LIM function is enabled
		LIM function is faulty
	Cruise and speed limit speed indicator	Speed indicator is activated
		Speed indicator is not activated
		Speed indicator is enabled
		Speed indicator is faulty
	ECO mode indicator	ECO mode is enabled
	High-voltage insulation indicator	High-voltage insulation is faulty
	READY indicator	The vehicle is all ready for normal driving

































Please pay close attention to the illuminated warning indicators, otherwise, it can lead to severe personal injury and property damage.






Sym bol	Name	Description
	Position lamp indicator	Position lamp is on
	Adaptive driving beam (ADB) indicator	Fault in adaptive driving beam (ADB)
		Adaptive driving beam (ADB) function is enabled and activated
		Adaptive driving beam (ADB) function is enabled but not activated
	Airbag malfunction indicator lamp	Fault in the airbag system
	Parking brake warning lamp	Parking brake is activated
	Parking brake indicator	The AUTO HOLD function is activated
	Electronic parking brake (EPB) malfunction indicator lamp	Fault in electronic parking brake system
	Brake system malfunction indicator lamp	Low brake fluid level or faulty brake system
	Automatic parking (AUTO HOLD) status indicator lamp	AUTO HOLD is activated
		AUTO HOLD is faulty
	Battery charging malfunction indicator lamp	The battery charging is faulty
	Front seat belt warning lamp	Driver/front passenger seat belt not fastened
	Tyre pressure warning lamp	Tyre pressure monitoring system malfunction, tyre pressure abnormal, or not learned
	Electronic Stability Control (ESC) malfunction indicator lamp	The electronic stability control system is faulty

## Instrument and control

Symbol	Name	Description
	Electronic Stability Control (ESC) OFF indicator lamp	The electronic stability control system is turned off
	EPS malfunction indicator lamp	The electronic power steering (EPS) system is faulty
	AEB off indicator (If equipped)	The automatic emergency brake (AEB) system is turned off
	AEB malfunction indicator lamp (If equipped)	The automatic emergency brake (AEB) system is faulty
	Intelligent Cruise Control (ICC) status indicator (If equipped)	Intelligent Cruise Control (ICC) is enabled but not activated
		Intelligent Cruise Control (ICC) is activated
		Intelligent Cruise Control (ICC) is faulty
	Adaptive Cruise Control (ACC) status indicator lamp (if equipped)	Adaptive Cruise Control (ACC) is enabled but not activated
		Adaptive Cruise Control (ACC) is activated
		Adaptive Cruise Control (ACC) is faulty
	Cruise status indicator (If equipped)	The vehicle is in cruise mode
	LKA status indicator (If equipped)	The Lane Keeping Assist (LKA) system is enabled
		Lane departure warning (LDW)
	System malfunction indicator lamp	System fault
	Charging cable connection indicator lamp	Charger cable is plugged
	Motor system malfunction indicator	The drive motor and

Sym bol	Name	Description
	lamp	controller are faulty
	Motor system overheating warning lamp	The drive motor and controller are faulty
	Power battery charging indicator	The power battery is charging
	AVAS off indicator	AVAS is switched on
	Power battery malfunction indicator lamp	The power battery is faulty
	Power battery low voltage indicator lamp	The power battery is low
READY	READY indicator	The vehicle is all ready for normal driving
	Comfort mode indicator	The drive mode is Comfort
	ECO mode indicator lamp	The drive mode is ECO
	Sport mode indicator	The drive mode is Sport
	Hill Descent Control System (HDC) indicator	The hill descent control system is faulty
		The hill descent control system is activated
	Blind Spot Detection (BSD) status indicator (If equipped)	The side rear radar assist system works properly
		The side rear radar assist system is faulty
	High-voltage insulation indicator	High-voltage insulation is faulty
EBD	Electronic Brake Force Distribution (EBD)/Brake energy recovery malfunction indicator lamp	Electronic brake force distribution/brake energy recovery system is faulty
	Anti-lock Braking System (ABS) malfunction indicator lamp	The anti-lock braking system is faulty

## Instrument and control

Sym bol	Name	Description
	Power limitation indicator	The vehicle has developed some specific faults and the power is limited.
	Towing mode indicator	Towing mode is enabled
	Malfunction indicator lamp	Alarm messages are hidden in the alarm list, or there are two or more alarms.



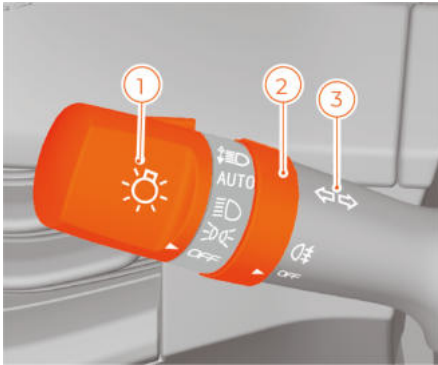
Please pay close attention to the illuminated warning indicators, otherwise, it can lead to severe personal injury and property damage.



## Steering wheel modules for lights and wipers

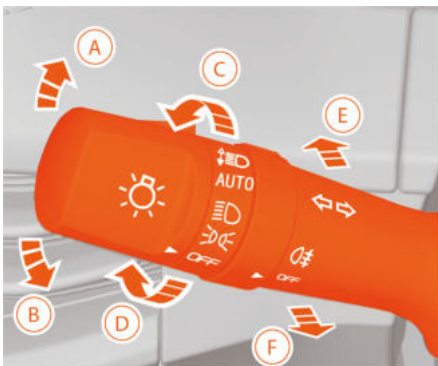
### Steering wheel module for lamps

Steering wheel module for automatic lighting



1. Light control switch
2. Fog lamp control switch
3. Light switch lever (control the high beam, low beam, left turn signal lamp, and right turn signal lamp)

### Operating steering wheel module for lamps



#### Position lamp

Rotate the light control switch in direction C until the mark points to , and the position lamp and backlight are all on and can be adjusted. ►

Rotate the light control switch in direction D until the mark points to OFF, and then the position lamp and backlight on the light control switch are all off. ►

#### Low beam

Rotate the light control switch in direction C until the mark points to , and then the low beam turns on. ►

Rotate the light control switch in direction D until the mark points to OFF, and then the low beam turns off. ►

#### Shifting between high beam and low beam

If the low beam is on, push the light switch lever to the limit position in direction E, and then the high beam will turn on. Pull back the light switch lever to direction F, to switch back to the low beam.

#### High beam flash

Pull the light switch lever to the limit position in direction F, and then the high beam will turn on. Release the lever, and the high beam will automatically turn off. Repeating this action will flash the high beam.

#### Automatic lighting

Rotate the light control switch in direction C until the mark points to

AUTO, the headlight turns on automatically. The automatic lighting system automatically controls the headlight ON and OFF according to the ambient light intensity. ► When entering a tunnel, the system will automatically turn on the position lamp and low beam, and when exiting the tunnel, it will turn them off. Additionally, in dark ambient environments, the system will also activate the position lamp and low beam.



The system has a manual priority function in the auto mode, and if there is a lamp signal input, the system exits from the auto lamp mode.

### Right turn signal lamp

Pull the light switch lever to direction A, and the right turn indicator flashes. After the turn is completed, the light switch lever automatically returns to its original position, and the turn signal lamp turns off.

### Left turn signal lamp

Pull the light switch lever to direction B, and the left turn indicator flashes. After the turn is completed, the light switch lever automatically returns to its original position, and the turn signal lamp turns off.

### Lane-change lighting function

Pull the light switch lever in direction A or B briefly, and the right or left turn indicator will flash 3 times.

### Rear fog lamp

With the low beam turned on, rotate the fog lamp control switch in direction C until the mark points to , and then the rear fog lamp turns on. ►

## Headlight height adjustment function

### Manual adjustment (If equipped)



#### 1. Front combination lamp height adjustment knob

This knob is used to adjust the irradiation height of the front combination lamp.

Front combination lamp height adjustment knob has four positions: 0, 1, 2, and 3.

Please adjust the knob position according to the load:

0: Driver only.

1: Driver and front passenger.

2: All the seats are occupied, and the cargo compartment is under full load.

3: Only the driver seat is occupied, and the cargo compartment is under full load.

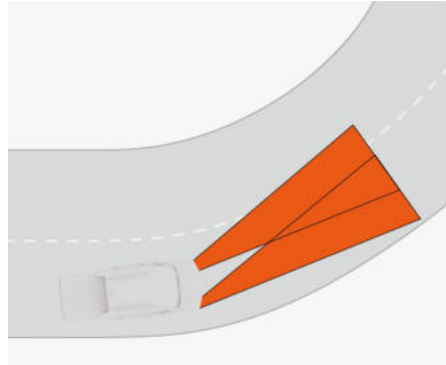


When adjusting the height of the front combination lamp, ensure that it does not dazzle oncoming road users.

#### Automatic adjustment (If equipped)

During different loads and rapid acceleration, the front combination lamp can maintain a good view for the driver without the need for manual adjustment.

#### Adaptive Front-lighting System (AFS) (If equipped)



During turns, the adaptive headlights illuminate the entire curve, providing a wider beam angle for improved visibility of other vehicles or obstacles on the curve.

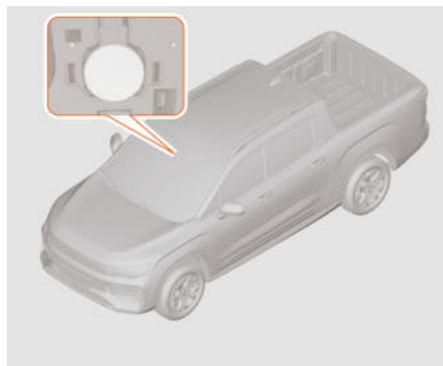
The function of Adaptive Front-lighting System is enabled when all of the following conditions are met:

- The vehicle is in the READY state;
- The vehicle speed is above 10 km/h.
- Steering wheel signal is normal.
- The low beam is on.
- The high beam is off.
- Weak ambient light intensity or night driving.
- The gear is not in R.



Once activated, the function remains active at speed exceeds 30 km/h. However, it automatically turns off when the vehicle speed exceeds 40 km/h.

### Headlight AUTO ON function



The light intensity of the external environment is monitored by the sunlight sensor. When the light is dim, the low beam, the position light and the corresponding indicator lamp on the instrument cluster will automatically turn on. When the light is sufficient, they will automatically turn off.

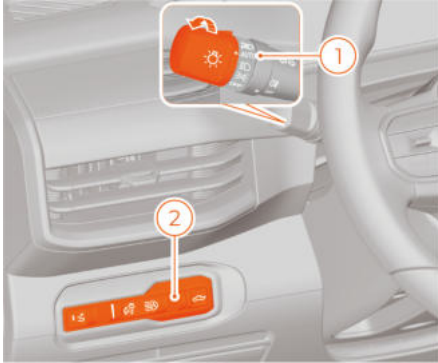
### Automatic High Beam Control (if equipped)

The Automatic High Beam Control (AHBC) system can automatically switch between high beam and low beam at night. This system uses the front-looking camera to detect light sources, and automatically switches between the high beam and low beam depending on the condition of oncoming vehicles, vehicles moving in the same direction, and ambient light sources. Under normal circumstances, this function automatically switches

the vehicle's high beam to the low beam when detecting the headlights of an oncoming vehicle, tail lights of a preceding vehicle moving in the same direction, or other light sources, to avoid high beam from creating a glare to surrounding road users. When the vehicle has passed or overtaken another vehicle or gets to a place without surrounding light, it automatically switches the low beam to the high beam.

**i** When the vehicle is powered on, the AHBC system will start a self-check. In this period, the system will not work.

## Disabling and activating



1. Light control switch
  2. AHBC button
1. When the light control switch is turned to the AUTO position, the Automatic High Beam Control (AHBC) system is turned on, and the AHBC indicator on the instrument cluster lights up. When the AHBC knob on the lower left side of the dash panel is moved down, the system is automatically turned off (the AHBC indicator on the instrument cluster is off). When the knob is moved down again, the system is automatically turned on again (when the light switch is in AUTO position after the vehicle is restarted, the AHBC system remains on by default).
  2. At night, after the front combination lamp automatically lights up, AHBC is automatically activated. When the AHBC system is active and all of the following conditions are met, the system will recommend turning on the high beam:



1. The vehicle speed is above 40 km/h.
2. No relevant road users were detected, or dark surroundings was detected.


When any of the following conditions is met, the AHBC system will recommend turning on the low beam.

1. The vehicle speed is above 30 km/h.
2. Relevant road users or bright surroundings was detected.

**i** If the AHBC system has recommended turning on the high beam, when the vehicle speed keeps within the range of 30 - 40 km/h, the system can keep the high beam enabled until it detects the light source information. When the light source information is detected, the system will recommend turning on the high beam.

## Displaying

When the front combination lamp is put under the high/low beam control of the AHBC system, the AHBC status indicator lights up (low beam: green indicator,  high beam: blue indicator ).

When the AHBC system is faulty, the AHBC status indicator lights up with yellow and .

**!** When the driver operates the steering wheel module for lamps to select the high beam, the driver's choice prevails.

### Daytime running lamps

#### Daytime running lamp ON

When the vehicle is started with the low beam turned off, the daytime running lamps turn on automatically.

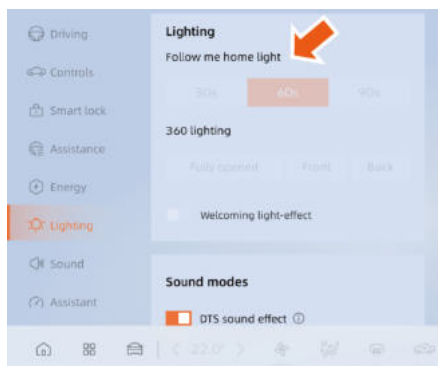
#### Daytime running lamp OFF

The daytime running lamps automatically turn off under the following conditions:

- The vehicle is powered off.
- The low beam is turned on.

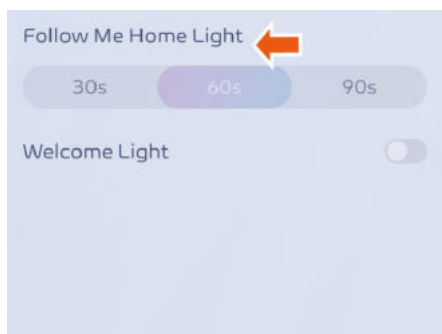
### Follow me home

Time setting of follow me home function (Type 1)



Click on the multimedia display step by step: My car - Lights, and go to the Follow Me Home function interface.

Time setting of follow me home function (Type 2)



Click on the multimedia display step by step: Vehicle Settings - Lights, and go to the Follow Me Home function interface.

Please choose the timer duration when using the Follow Me Home function for the first time.

In the "Follow Me Home" settings menu, you can choose the timer duration based on your preference, with options of 30 s, 60 s, or 90 s. When the "Follow Me Home" function is activated, the timer will start counting down according to your chosen duration.



You can activate the "Follow Me Home" function in the following two ways when the vehicle anti-theft system is disabled:

- Automatic activation: The low beam is turned on within the last 60 seconds before turning the start switch to the OFF position.
- Manual activation: The overtaking light switch is turned on within 10 minutes after the vehicle is powered off.

## Steering wheel module for wipers

### Steering wheel module for wipers

#### Steering wheel module for automatic wipers



1. Wiper control lever
2. Wiper sensitivity adjustment knob



If there is dust or sand on the windscreen, please clean it before using the wiper. Do not use the wiper on a dry windscreen as it can scratch the glass and affect the lifespan of the wiper blades.

### Operating steering wheel module for wipers



#### MIST

Flick the wiper control lever in direction A and release it (i.e. release the lever when it is in MIST position), the lever will automatically go back to OFF, and the front wiper will work once.

#### OFF

When the wiper control lever is in OFF position, the wiper will be turned off.

#### AUTO

When the wiper control lever is flicked in direction B to AUTO position, the wiper will work automatically. At this time, the wiper system automatically adjusts the wiping speed according to the amount of rain. The sensitivity of the wiper system for sensing rainfall can be adjusted by rotating the wiper sensitivity adjustment knob in direction C or D. The wider the scale bar pointed by AUTO, the higher sensitivity of the wiper system in sensing rainfall.

#### LO

When the wiper control lever is flicked in direction B to LO position, the wiper will work at a low speed.



## HI

When the wiper control lever is flicked in direction B to HI position, the wiper will work at a high speed.

## Windscreen washing

Flick the wiper control lever in direction E, while the front windscreen washer sprays water, the wiper works. After releasing the wiper control lever, the washer stops spraying water, and at the same time, the wiper works several times before resetting.

## Rain sensor



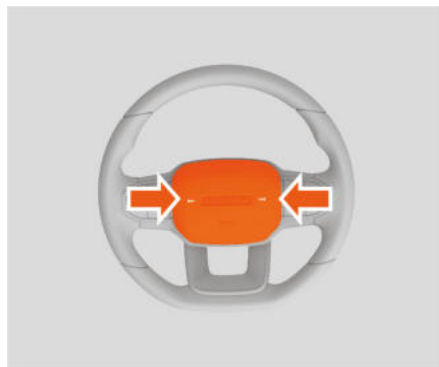
The rain sensor is mounted behind the front windscreen, and it can adjust the action of the wiper according to the amount of rain falling on the front windscreen.



Please keep the rain sensor area clean to avoid affecting the sensitivity of the rain sensor and the use of the wiper.

## Steering wheel

### Horns




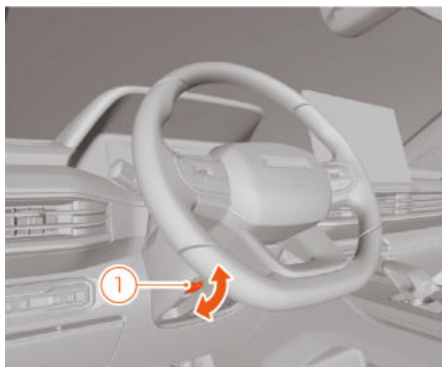
Press the Horn icon area on the steering wheel (Indicated by the arrows) to activate the horn.



The area with horn icons on the steering wheel is also the cover for the driver airbag. Due to the special function requirements of the driver's airbag, please do not press or strike the driver airbag cover forcefully when using the horn. Doing so may trigger the deployment of the driver's airbag, causing personal injury.


### Steering wheel adjustment


 After adjusting the position of the steering wheel, please confirm that the steering wheel is locked. Do not adjust the steering wheel while the vehicle is in motion, otherwise, it will lead to severe personal injury and property damage.



1. Steering wheel adjustment lever  
Adjust the steering wheel to the appropriate position in the following steps:
  1. Turn the steering wheel so that the front wheels can face straight ahead.
  2. Release the steering wheel adjustment lever completely.
  3. Grip the steering wheel with both hands and adjust the steering wheel back and forth, up and down, to the appropriate position.
  4. Pull up the steering wheel adjustment lever completely to lock the steering wheel in the new position.

### Steering mode switch

 Drivers should choose the appropriate steering mode according to their own driving ability and road conditions.

 Large angle steering or high speed driving may cause failure in switching.

The vehicle offers three steering modes.

#### Type 1

Drivers can switch among the steering modes by navigating to My car → Driving → Power Assisted Steering Mode in the instrument cluster menu in order.

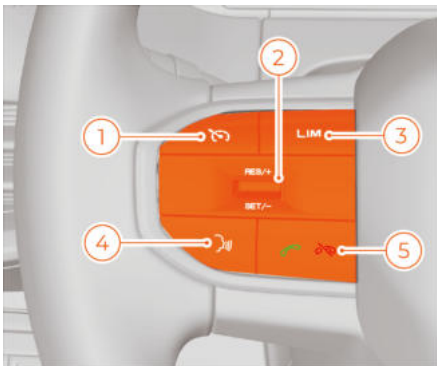
## Type 2

Drivers can switch among the steering modes by navigating to Settings > Steering Mode Switch in the instrument cluster menu.

- Standard mode: medium power assisted steering, and the hand feeling is medium when steering.
- Comfort mode: compared with the Standard mode, increased power assisted steering, and the hand feeling is light and flexible.
- Sports mode: compared with the Standard mode, reduced power assisted steering, and the hand feeling is calm and stable.

## Buttons on steering wheel

Steering wheel with cruise control system (CCS) (if equipped)



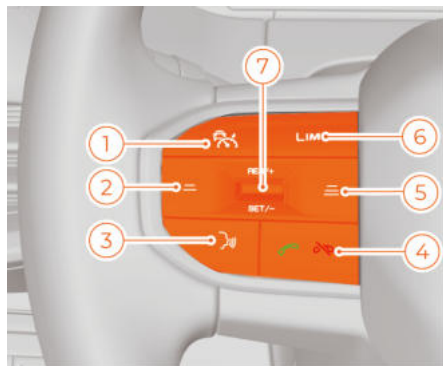
1. CCS button: Enable/disable the cruise control function.
2. Speed Adjustment and Settings button: used for cruise control

adjustment in cruise control state; used for speed limit adjustment in Speed Limit state.

- RES/+ (Restore/Accelerate)  
Push the Speed Setting button in the RES/+ direction to restore the cruise speed to the original setting or increase the cruise speed.
- SET/- (Set/Decelerate)  
Push the speed setting button in the SET/- direction to set the current speed to the cruise speed or decrease the cruise speed.

3. Speed Limit button: Enable the active Speed Limit function, and set the speed through the RES/+ and SET/- buttons. The speed limit range of LIM is from 30 to 150 km/h.
4. Virtual Personal Assistant button: Short press to activate the virtual personal assistant and interact with the vehicle through voice commands. If there is no voice input within 15 seconds, it will automatically be deactivated. Short-press this button again to deactivate the virtual personal assistant.
5. Call button: When receiving a call, long press it to hang up, short press it to answer the call, and then short press it again to hang up after answering.

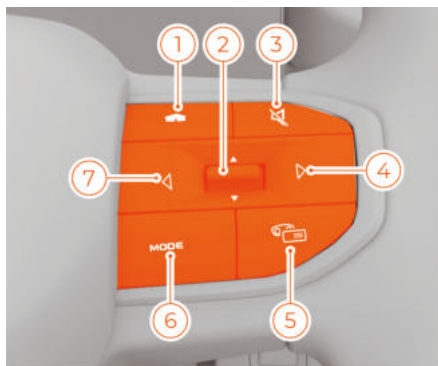
### Steering wheel with adaptive cruise control (ACC) (if equipped)



1. Intelligent Cruise Control (ICC)/ Adaptive Cruise Control (ACC) button: Turn on/off/exit ICC/ACC.
2. Decrease Headway button: decrease the headway of the ICC/ ACC system.
3. Virtual Personal Assistant button: Short press to activate the virtual personal assistant and interact with the vehicle through voice commands. If there is no voice input within 15 seconds, it will automatically be deactivated. Short-press this button again to deactivate the virtual personal assistant.
4. Call button: When receiving a call, long press it to hang up, short press it to answer the call, and then short press it again to hang up after answering.
5. Increase Headway button: Increase the headway of the ICC/ACC system.

6. Speed Limit button: Enable the active Speed Limit function, and set the speed through the RES/+ and SET/- buttons.
7. Speed Adjustment and Settings button: used for cruise control adjustment in cruise control state; used for speed limit adjustment in Speed Limit state.
  - RES/+ (Restore/Accelerate)  
Push the Speed Setting button in the RES/+ direction to restore the cruise speed to the original setting or increase the cruise speed.
  - SET/- (Set/Decelerate)  
Push the speed setting button in the SET/- direction to set the current speed to the cruise speed or decrease the cruise speed.

### Buttons on right side of steering wheel





1. Home button: Return to the home page.

2. Volume Adjustment button: adjust the volume.
3. Mute button: mute the switch.
4. Right selection button: Short-press this button to skip to the next available station in the radio mode or the next file in the multimedia mode.
5. Modes switch key: Press this button to switch the control of the steering wheel button to the multimedia host and the instrument cluster.
6. MODE button: sound source switching.
7. Left selection button: Short-press this button to skip to the previous available station in the radio mode or the previous file in the multimedia mode.

## Rearview mirrors

### Exterior rearview mirrors

 Do not adjust the exterior rearview mirror while the vehicle is in motion, otherwise it will lead to serious personal injury and property damage.

 Before driving, the exterior rearview mirror must be unfolded and adjusted correctly.

The exterior rearview mirror adjustment switch is on the door interior trim panel of the driver door.

#### Type 1



### Type 2



1. Exterior rearview mirror adjustment switch

**i** Objects seen in the exterior rearview mirror are further away than they really are. Please adjust the driving position first, and then adjust the exterior rearview mirror. When the exterior rearview mirror is frozen, use spray or deicer to remove the ice from the surface of the exterior rearview mirror. And then adjust the exterior rearview mirror.

**!** Do not touch the exterior rearview mirror while adjusting to avoid damage to the vehicle.

## Adjusting exterior rearview mirrors

### Type 1



### Type 2



1. When the start switch is in ACC or ON, rotate the exterior rearview mirror adjustment switch so that the mark on the exterior rearview mirror adjustment switch points to L (Left) or R (Right) to select the corresponding left and right exterior rearview mirrors.—
2. Adjust the angle of the exterior rearview mirror by pushing the

exterior rearview mirror adjustment switch left, right, up or down.

3. After the adjustment, reset the exterior rearview mirror adjustment switch to the initial position (0).

## Folding exterior rearview mirrors

The exterior rearview mirror can be folded to facilitate driving through narrow laneways and parking.

### Manual folding exterior rearview mirrors (if equipped)




Push the exterior rearview mirror inwards to fold it.

Push the exterior rearview mirror outwards to unfold it.

### Electric folding exterior rearview mirrors (if equipped)



The electric exterior rearview mirror will be folded automatically when driving through a narrow lane or when parking the car.

Rotate the exterior rearview mirror adjustment switch to to fold the left and right exterior rearview mirrors simultaneously; Rotate the switch to a different angle to unfold the left and right exterior rearview mirrors simultaneously. 

### Auto-folding exterior rearview mirrors function (if equipped)


On multimedia display, you can enable the exterior rearview mirror folding function when the vehicle is locked by clicking My car → Body control → Rearview mirrors in order. When the exterior rearview mirror folding switch is not in Folding position and the exterior rearview mirrors are folded, the exterior rearview mirrors will automatically be unfolded when

unlocking the vehicle; When the exterior rearview mirror folding switch is not in Folding position and the exterior rearview mirrors are unfolded, the exterior rearview mirrors will automatically be folded when locking the vehicle.



Do not fold the exterior rearview mirror manually. Otherwise, the folding mechanism of the exterior rearview mirror may be damaged.

### Exterior rearview mirror heating & defrosting function (If equipped)

Turn the start switch to ON, and press the rear window/exterior rearview mirror defrost  button on the A/C control panel of the dash panel, so that the defrost function will be activated and the indicator of this button will light up. The defrosting function will be automatically deactivated about 12 minutes later. For details, see the “Heating, Ventilation and Air Conditioning” section in “Air Conditioning Systems”.

## Interior rearview mirrors

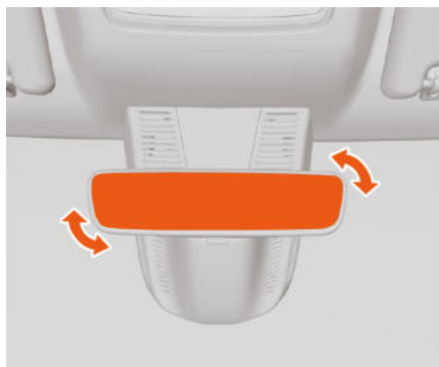
### Adjustment of interior rearview mirror



Do not adjust the interior rearview mirror while the vehicle is in motion, otherwise it will lead to serious personal injury and property damage.



To avoid affecting the function of the interior rearview mirror, it is prohibited to attach a label or install a tachograph in front of the interior rearview mirror.



The interior rearview mirror is fixed to the windshield and can be adjusted to the desired position by rotating it.



### Mechanical anti-glare interior rearview mirror (With bezel) (If equipped)



Adjust the interior rearview mirror angle by pushing the bottom handle to activate the anti-glare function. Pull the handle back to return the rearview mirror to its regular position and deactivate the anti-glare function.

### Mechanical anti-glare interior rearview mirror (Without bezel) (If equipped)





Adjust the interior rearview mirror angle by pushing the bottom handle to activate the anti-glare function. Pull the handle back to return the rearview

mirror to its regular position and deactivate the anti-glare function.

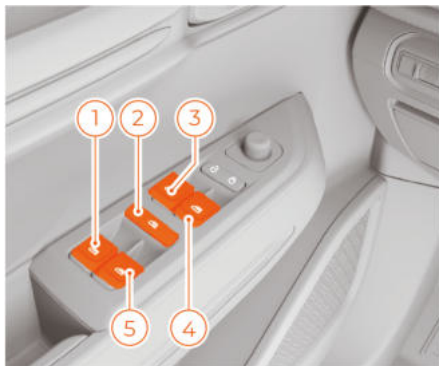
# Windows

## Power windows

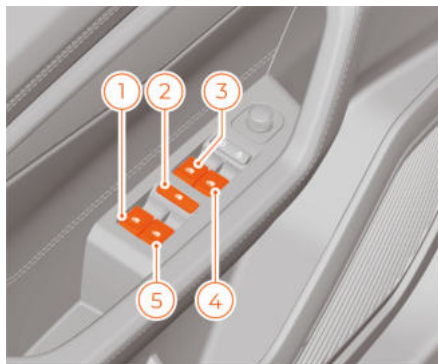
 Never leave children, incapacitated adults or pets in a vehicle with the windows closed and locked. Otherwise, injury or even death may occur if the interior temperature gets too high and they cannot open the door or window.

 Do not attempt to test the anti-pinch function with your body; otherwise, it will cause personal injury or death. When the window is closed and the top of the window is less than 4 mm from the window frame, the anti-pinch function may not work.

### Type 1



### Type 2



1. Left rear window switch
2. Window lock switch
3. Left front window switch
4. Right front window switch
5. Right rear window switch

## Manual operation

Open: Press and hold the window switch to open the window.

Close: Pull and hold the window switch to close the window.

## Automatic operation

Press the window switch to the automatic position and release it to open the window automatically. In some models, pull up the window switch to the automatic position and release it to close the window automatically.

If you press or pull up the window switch again during the automatic operation, the window will stop moving.

## Remote opening/closing

When the start switch is set to gear OFF, the four doors are closed and the anti-theft alarm is not triggered, long press the unlock button on the intelligent key, and all windows will be opened at the same time. For some vehicle models, long-press the lock button on the intelligent key and all windows will be closed at the same time.

## Window lock switch

The window lock switch is located on the driver door, in the middle of the window switch.

Press the switch to disable the window switch operation for the front passenger side window and rear windows. When the lock function is enabled, the window lock switch indicator lights up. The driver can still control the front passenger side window and rear windows using the driver side window switch.

To restore the window switch operation for the front passenger side window and rear windows, simply press the switch again to unlock. The window lock switch indicator will turn off, deactivating the lock function.

## Auto Close Windows in Rain (if equipped)

When the vehicle is turned off and locked with the power windows open,

if it suddenly rains, the vehicle can automatically close the power windows.

## Power window thermal protection

If the windows are operated repeatedly within a short time or in high temperature conditions, it may temporarily disable the power window control switch to protect the motor's longevity. Wait for a brief period or until the temperature decreases, and the power window operation will be restored.

## Anti-pinch function (if equipped)

During the automatic closing, if an object is caught between the glass and the window frame, the window will automatically stop and return to its initial position. If the window is violently impacted, this function may work even if no objects are caught. If the power windows anti-pinch function does not work properly, adaptive-learning of power windows is required.

## Self-learning of anti-pinch power windows (If equipped)

If the low-voltage battery of the vehicle is reconnected after power failure or if the anti-pinch power window does not work properly, self-learning of the anti-pinch power window is necessary.

## Instrument and control

---

Follow the steps below to perform self-learning:

1. Turn the start switch to ON.
2. Pull up the window switch to Manual Up gear until the window is completely raised to the top, and release the window switch.
3. Pull up the window switch again and hold for more than 3 seconds.
4. Push the window switch to the Down position until the window reaches the bottom.
5. Press the window switch again and hold for more than 3 seconds.
6. Repeat the same steps for the remaining windows (both raising and lowering) to finalize the self-learning procedure.
7. If the power window continue to malfunction despite following these steps, please go to a Riddara authorised service centre for repair.



- If the window can automatically rise, the self-learning is successful.
- During the self-learning process, it's essential to strictly follow the steps and complete them continuously. If the window stops moving while raising or lowering, you should restart the process.

the window switch within 60 seconds after the start switch is set to gear OFF:

- The left and right front doors are not open.
- The vehicle is not unlocked/locked using the intelligent key.

## Operation delaying function

If the following conditions are met at the same time, the operation of the window can be maintained through

## Sunroof (if equipped)

### Panoramic sunroof



The sunroof switch is on the front interior light.

### Sunroof opening/closing

#### Sunroof automatic operation

Short press the sunroof switch backward to fully open the sun blind.

Short press the sunroof switch backward again, and the sunroof glass will automatically move to its maximum open position.

Short press the sunroof switch forward, and the sunroof glass will slide to the fully closed position. Short press the sunroof switch forward again, and the sun blind will automatically slide to the closed position.

During the automatic operation of the sunroof glass, a short press of the sunroof switch backward or forward will stop the sunroof glass from moving.

#### Sunroof manual operation

Press and hold the sunroof switch backward, and the sun blind will fully open. Press and hold the sunroof switch backward again, and the sunroof glass will move to its maximum open position.

Press and hold the sunroof switch forward, and the sunroof glass will slide to the fully closed position. Press and hold the sunroof switch forward again, and the sun blind will fully close.

During the long press, releasing the sunroof switch will stop the sun blind or sunroof glass from moving.

### Tilt opening/closing

#### Tilt opening

Press the sunroof switch upward. After the sun blind moves to the half-open position, the sunroof glass will tilt open.

#### Tilt closing

If the sunroof glass is in the tilted open position, press the sunroof switch forwards to close the sunroof glass. After the sunroof glass is completely closed, the sun blind will automatically close by short-pressing the sunroof switch forward.

The tilting open/close operation of the sunroof glass cannot be paused using the sunroof switch. The sunroof glass will automatically move to the fully tilted or fully closed position.

### Remote sunroof opening/closing

When the start switch is set to gear OFF, the four doors are closed and the anti-theft alarm is not triggered, long press the unlock button on the smart key, the sunroof will be fully opened; Long press the lock button on the smart key, the sunroof will be completely closed.



Remote sunroof closing can turn on or off Auto Lift Windows after Lock on My car → Vehicle Unlock in order on the multimedia display. After enabling, short press the lock button on the smart key to trigger the function.

### Anti-pinch protection

#### Tilt anti-pinch

- When the sunroof is tilting open, it will stop if an obstacle is detected.
- The sunroof will return to the fully tilted position if an obstacle is detected when it is closing.

### Sunroof glass and sun blind with anti-pinch function

- The sunroof will return to the fully open position if an obstacle is detected as it slides to close.
- Anti-pinch function will be activated when the sunroof and sun visor run into obstacles.

**i** When the sunroof is running, if anti-pinch function works once, the anti-pinch function and automatic operation function will be suspended within 10 seconds. 10 seconds later, the anti-pinch function and automatic operation function are restored.

### Sun blind closing

Press the sun blind switch forwards, the sun blind will automatically operate until fully closed; Long press the sun blind forwards to close and slide the sun blind. Release the sunroof switch, the sun blind stops sliding immediately.

## Auto Close Windows in Rain (if equipped)

When the vehicle is turned off and locked with the panoramic sunroof open, if it suddenly rains, the vehicle can automatically close the panoramic sunroof.

## Sun blind

### Sun blind opening

Press the sunroof switch backwards, and the sun blind will automatically operate to fully open. Press the sunroof switch backwards/forwards again, and the sun blind will stop sliding immediately. Long press the sunroof switch backwards to open and slide the sun blind. Release the sunroof switch, the sun blind stops sliding immediately.

If the sunroof glass is not fully closed, the sun blind cannot be closed. During the automatic (Short press) or manual (Long press) closing process of the sunroof, press the sunroof switch backwards/forwards again, and the sun blind will stop sliding; During the manual closing process of the sun blind, the sun blind will stop sliding after releasing the sunroof switch.



Do not apply excessive force to sun blind to avoid looseness, which could lead to abnormal noise or operational issues.

- When the sunroof is fully opened, it may cause excessive wind noise.
- When parking the vehicle for a long time, it is recommended to close the sun blind to the fully closed position. If possible, it is best to park in the garage to prevent the temperature inside the vehicle from rising due to long-term sunlight exposure, resulting in interior damage.

the sand and dirt near the glass rubber strip.

- If the vehicle is parked for a long time or the sunroof is not used for a long time, fine talc powder or lubricant dedicated for the rubber strip can be used to clean the rubber strip around the sunroof.
- When washing the vehicle, check whether the sunroof rubber strip, drainage holes, and grooves are covered by foreign objects such as sand, leaves, and branches. If so, please clean them up.

## Maintenance

### Maintenance of sunroof glass

Use a glass cleaner to clean the glass panel of the sunroof. Do not use sticky cleaners!

### Maintenance of sunroof

- When the vehicle often uses the sunroof in an environment with heavy wind and sand, you can regularly use a wet sponge to clean



## Interior lighting

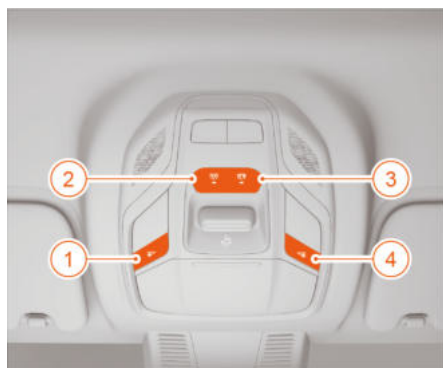
### Front Interior light

#### Basic front interior light (If equipped)



1. Interior light switch

#### Front interior light with sunroof (If equipped)



1. Left interior light switch
2. Interior light switch
3. Interior light door-controlled switch
4. Right interior light switch

### Front interior light operating

Press the left or right interior light switch to turn on or off the left or right interior light; Press the door-controlled switch of the front interior light, the front interior light can be controlled by doors.

The function of door-controlled switch is enabled by default. Opening any door will light up the interior light. Pressing the door-controlled switch of the interior light can cancel the door controlled function of the interior light.

**i** If the left and right interior lights are turned on by the door-controlled switch, they cannot be turned off by pressing the corresponding left or right light switch.

When the four doors are locked, use the smart key to unlock or touch the door handle to unlock the four doors, the interior lights will be automatically turned on. If no doors are opened at this time, the interior lights will be on for a period of time and then turned off. During this period, if locking with the remote or pressing the touch area of the door handle, the interior lights will be turned off.

After unlocking with the smart key or touching the door handle to unlock the four doors, if you open any door before the interior lights are turned off, the interior lights will remain on. During the period, if all four doors are not

opened, the indoor lights will automatically be turned off. This function can be disabled by pressing the interior light door-controlled switch.



Avoid using front interior lights when driving at night. Bright lights may affect the driver's safe driving and may cause traffic accidents.

### Interior light door-controlled status

The door-controlled function of the interior light is enabled by default.

### Light up

- With the four doors closed, the interior lights gradually light up after the power is off.
- When the locked vehicle receives the unlocking command, the interior lights gradually light up.
- When either door is opened, the interior lights gradually light up.

### Go out

- With the four doors closed, the interior lights will automatically go out 15 seconds after the power is off.
- With the four doors closed, but the start switch is not in the OFF position, the interior lights gradually go out after the power is off.
- When the vehicle loses power and all four doors are closed, the interior lights gradually go out upon receiving a locking command.

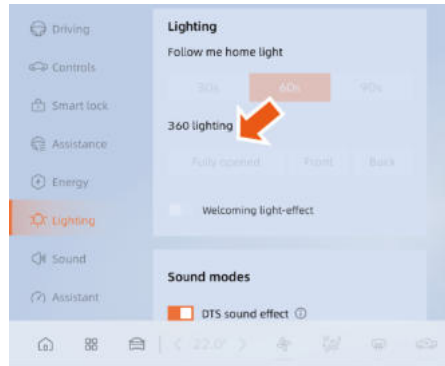
### Rear interior light (if equipped)



By pressing the rear interior lighting switch, you can activate or deactivate the rear interior light.

## Exterior lighting

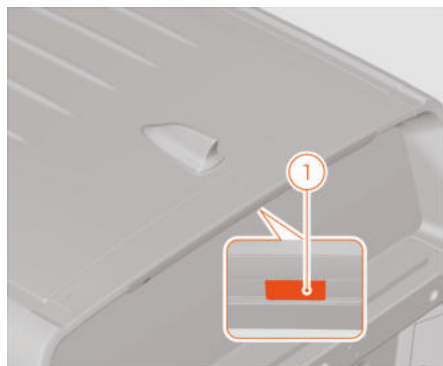
### Exterior lighting (if equipped)



Click on the multimedia display step by step: My Car → Lights, and turn on or off 360 lighting on the Lights screen.

## Cargo compartment light

### Cargo compartment light (if equipped)



1. Cargo compartment light

### Turning on cargo compartment light

#### Illuminate by unlocking

When the vehicle is locked and the environment is dark, the vehicle is successfully unlocked and the cargo compartment light will light up for 25 seconds.

#### Illuminate through switch



1. Cargo compartment light switch  
When the vehicle speed is less than or equal to 5 km/h, short-press the cargo compartment light switch to turn on the cargo compartment light.

#### Illuminate by opening the door

When the vehicle is unlocked and the speed is less than or equal to 5 km/h and the environment is dark at night, short press the tailgate opening switch of the cargo compartment or when any of the four doors are opened, the cargo compartment light will light up.

### Turning off cargo compartment light

1. The gear is shifted to P.
2. The cargo compartment light switch is reset.
3. Unlocking with remote key or mobile APP, or keyless unlock succeeds.

## Interior equipment

### Glove box



The glove box switch is located on the left side of the glove box. Press the switch to open the glove box. Push the glove box lid back to close the glove box.

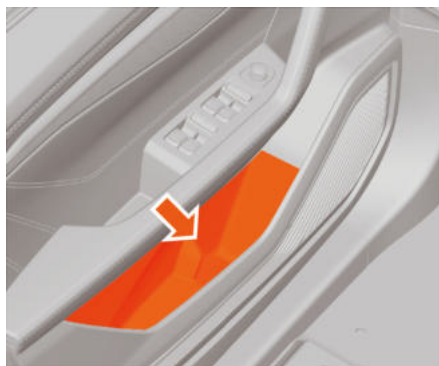
### Storage boxes/ compartments

#### Front compartment storage box



The vehicle is equipped with a storage box in the front compartment.

### Door storage compartments



The door storage compartments, which are located under the interior trim panels of the four doors and can be used for storing smaller items.

### Dashboard storage box



There is a storage box in the lower left of the dashboard, which can be opened by pulling the opening handle.

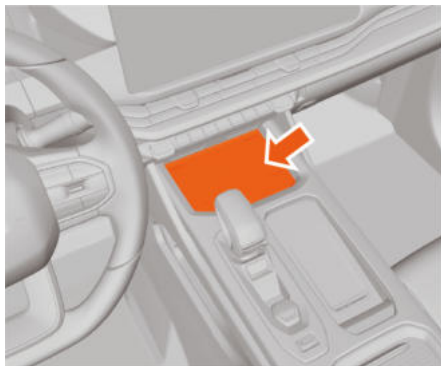
### Dashboard card slot



The dashboard card slot is located at the lower left of the dashboard for storing cards.

### Front storage box

#### Center console upper storage box



The vehicle is designed with an open storage box on the upper part of the centre console, which can be used directly.

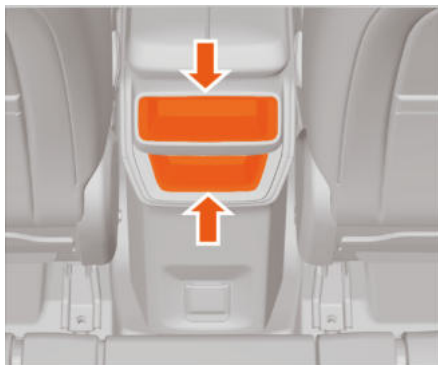
### Centre console bottom storage box



The vehicle is designed with a storage box under the centre console, which can be used for storing smaller items.

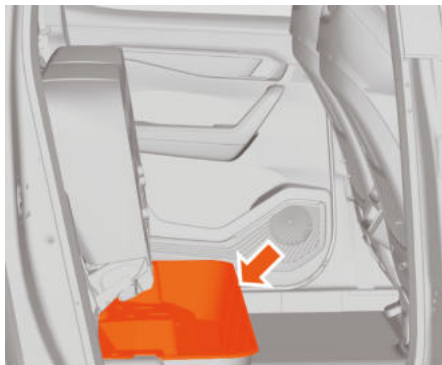
### Rear storage box

#### Centre console rear storage box



The vehicle is designed with an open storage box behind the centre console, which can be used for storing smaller items.

### Rear seat storage box



A storage box is designed under the cushion of the rear seat for storing tools and warning triangle. The vehicle toolkit includes electric air pump, towing eye and tyre repair sealant tank.

### Sun visor and make-up mirror



The vehicle is equipped with sun visors on the driver's side and front passenger's side. Turn down the sun visor or pull it out of the holder and turn it towards the door to reduce glare.

The sun visor is equipped with a make-up mirror, which can be used by turning the cover of the make-up mirror up/down.

### Ticket holder



For placing small and light objects (e.g. invoices).

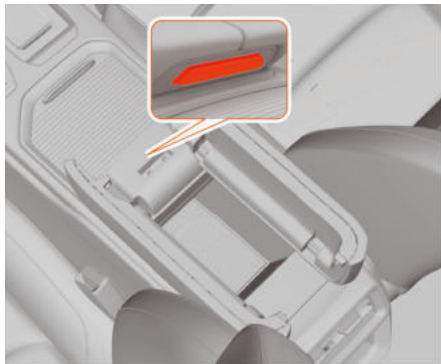
### Glasses case (if equipped)



The glasses case is integrated with the front interior light for you to place or use your glasses while driving.

### Centre armrest

#### Front centre armrest



There is a storage box under the front centre armrest of the vehicle. Press the latch under the front of the centre armrest to open the storage box.



Do not open the storage box in the centre armrest while the vehicle is in motion.

#### Rear centre armrest

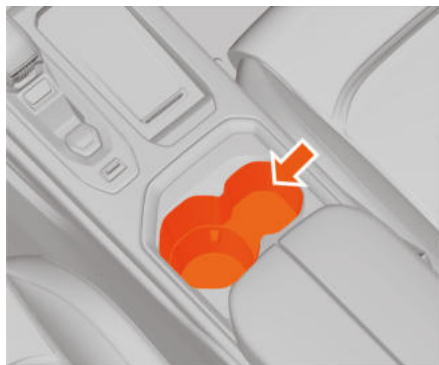


The rear centre armrest is located in the middle of the rear seat backrest, pull down the pull strap, you can open

the centre armrest to improve the comfort.

### Cup holder

#### Front cup holder



The cup holder behind the gear lever on the auxiliary console can only be used by pushing the cover backward.



When something is placed inside the cup holder, do not start or brake the car all in a sudden, in case that the drink splashes out. Hot drinks may cause scalding of the driver and occupants of the vehicle.



Do not place open drink bottles on the cup holders while the vehicle is in motion! Otherwise, drinks could be spilled when braking, causing damage to the vehicle and the electrical equipment inside the vehicle.



## Rear cup holder



There is a rear cup holder on the rear centre armrest, which can be used after turning the centre armrest backward.

## Accessory power outlet

### Accessory power outlet under console



The accessory power outlet is located in the stowage compartment under the console. The accessory power outlet is available to 120 W electrical equipment at most.

## Discharge platform

The vehicle has vehicle discharging feature. You can use the V2L discharger (recommended to use the original manufacturer's accessory) by plugging it into the AC charging port to access a 220V household power supply. Additionally, you can also use the V2V discharger (recommended to use the original manufacturer's accessory) in conjunction with an interconnection device to enable vehicle-to-vehicle charging in situations where there is a temporary power deficit.

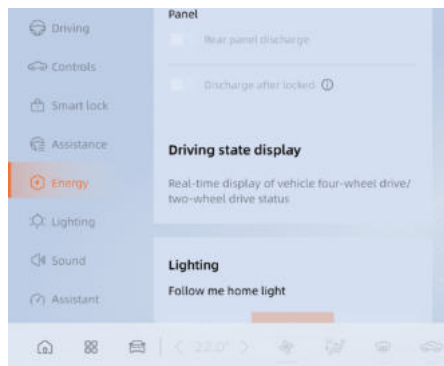
### Discharge setting

After plugging in the discharging gun, click on the multimedia display step by step: Vehicle Setup → Charge and Discharge Settings → Discharge Settings.

In the Discharge Settings screen, you can enable or disable the lock discharge function. When this function is enabled, the vehicle can continue to provide power externally even after it is locked. This ensures vehicle security and prevents power supply from being interrupted due to automatic relocking.

Move the target SOC scale left and right to set the discharging limit. When the remaining SOC of the battery reaches the target SOC, it will stop discharging.

### Vehicle discharging



After plugging in the discharging gun, click on the multimedia display step by step: My car – Energy Management – Vehicle Discharging, in order to set the discharging limit, discharging gun, panel, and lock discharge.

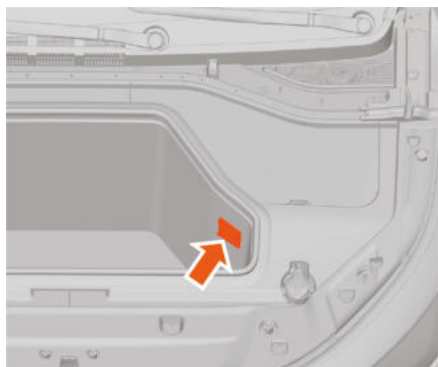
In the Vehicle Discharging screen, you can enable or disable the lock discharge function. When this function is enabled, the vehicle can continue to provide power externally even after it is locked. This ensures vehicle security and prevents power supply from being interrupted due to automatic relocking.

Move the target SOC scale left and right to set the discharging limit. When the remaining SOC of the battery reaches the target SOC, it will stop discharging.



- If the discharging gun is not plugged in, the multimedia display prompts that it will stop the vehicle discharging function after a period of time.
- When the remaining SOC of the battery is less than 15%, the target SOC cannot be set and the vehicle discharging function cannot be activated.
- To ensure the electrical safety of the vehicle, the locked vehicle discharge has no memory function. The locked vehicle discharge switch needs to be turned on in advance each time it is used. The discharging gun should be connected within 3 minutes after locking the vehicle, otherwise the discharge will stop.

### Front power outlet (if equipped)



The front compartment storage box is equipped with a three-pin socket, which can be used to connect electrical equipment with a maximum power limit of 2.2 kW.

### Rear interior power outlet (if equipped)



A three-hole socket is installed behind the console and can be used to connect electrical equipment with a maximum power limit of 2.2kW.

### Power outlet in cargo area

#### European standard



#### 1. Cargo compartment power switch

The power outlet in cargo area is located on the right side of the cargo compartment. When the remote key unlock button is pressed or doors are opened or closed, and the cargo compartment power switch is pressed and held, the power indicator will illuminate, indicating that the power outlet in cargo area is connected and 220V AC power is output. When the power switch is pressed again, the power indicator will turn off, indicating that the 220V AC power outlet in cargo area is disconnected.

The 6-plug power outlet in cargo area includes four 220V three-pin sockets and two 12V 120W DC power outlets.

#### Chinese standard type (if equipped)



#### 1. Cargo compartment power switch

The power outlet in cargo area is located on the right side of the cargo compartment. When the remote key unlock button is pressed or doors are opened or closed, and the cargo compartment power switch is pressed and held, the power indicator will illuminate, indicating that the power outlet in cargo area is connected and 220V AC power is output. When the power switch is pressed again, the power indicator will turn off, indicating that the 220V AC power outlet in cargo area is disconnected.

and held, the power indicator will illuminate, indicating that the power outlet in cargo area is connected and 220V AC power is output. When the power switch is pressed again, the power indicator will turn off, indicating that the 220V AC power outlet in cargo area is disconnected.

The 6-plug power outlet in cargo area includes two 220V 10A five-pin sockets, two 220V 16A three-pin sockets, and two 12V 120W DC power supply outlets.



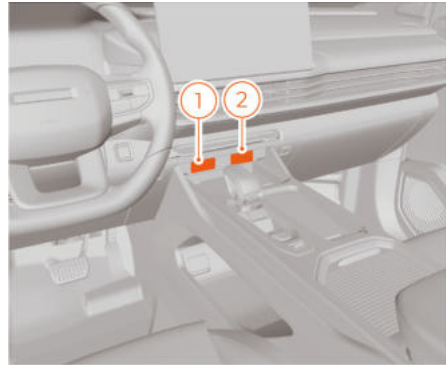
- When using the 220V AC discharge function: the starting current of the motor (inductive load) is greater than 3 times the rated current. Therefore, the vehicle triggers overload protection when a too high current is caused by electrical equipment such as cable drilling, electric hand drills, cutting machines, chainsaws, hair dryers, or locked-rotor and low power switching to high power.
- Before connecting electrical equipment, the vehicle discharging function is switched off. After the discharging function is switched on with stable voltage output, connect the electrical equipment and gradually increase the power (the hair dryer, for example, gradually shifts from cold air to warm air).
- In the case that an abnormal power failure of electrical equipment occurs in the discharge process, disconnect the electrical equipment from the vehicle. After the vehicle discharge function is reactivated with stable voltage output, reconnect the electrical equipment and have it work at a lower power level if possible.



- During discharging, keep children away from the power outlet and discharging equipment of the cargo compartment to prevent accidental electric shock, which may lead to fatal injuries.
- Never use the power outlet in cargo area in situations where water may enter the outlet (Such as using the discharging function outdoors in rainy weather) to avoid leakage accidents.
- After use, switch off the power outlet in cargo area, and keep the outlet dry and clean. This is to prevent potential danger to life due to accidental electric shock.
- Please choose the sockets (10A and 16A) according to the electrical appliance. The 10A and 16A sockets cannot be mixed. Roughly mixing them in use can cause socket damage and electrical appliances to burn out, and in severe cases, circuit overload causes fire.

## Wired charging

### Front charging port



1. Type-C charging port

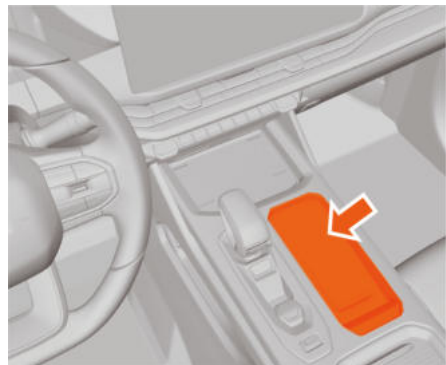
2. USB multimedia port

USB multimedia port provides data transmission and charging function and Type-C charging port is used to charge mobile devices.



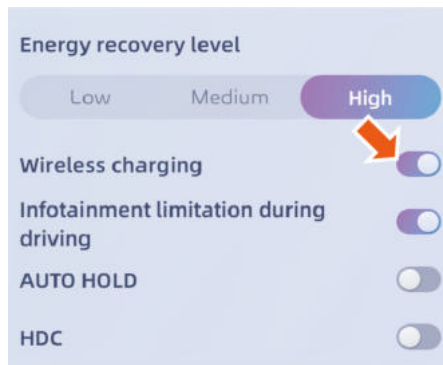
Never use charging ports to connect high-power electrical appliances.

### Wireless charging pad



The wireless charging pad is located on the right side of the gear lever on the console. When charging, please place the phone face-up on the wireless charging pad.

### Type 1



Click on the multimedia display step by step: Vehicle Settings - Safety, and turn on or off Wireless Charging on the Safety screen.

### Type 2



Pull down the multimedia display screen from the top left to open the control centre and tap "Wireless Phone

Charger" to turn on or off the wireless phone charging function.

To use the wireless charging pad, turn the start switch to ON position, and place the phone on the pad so that the phone charging port side and the bottom line of the pad coincide, to ensure that the coil inside the phone is aligned with the coil in the centre of the charging pad. Due to the different coil positions of each phone, it may be necessary to adjust the phone position.

**!** When charging, please remove the protective case of your phone and do not place metal objects such as coins, rings or keys between your phone and the wireless charging pad, as metal objects can become very hot. If any metal object is stuck between the phone and the wireless charging pad, carefully remove the phone and wait for the metal object to cool before removing it. Otherwise, it may cause burns.



- Starting the vehicle or closing the last door will trigger the key finder function. As the wireless charging and the smart key use the same frequency band, RF, the wireless charging function will stop working briefly when key finder function is triggered to prevent interference.
- Wireless charging supports the latest standards with a maximum output power of 50W. It can accommodate all existing wireless charging phones available in the market.

## Interior handles



The interior handles are installed onto front passenger's door and rear doors, so that the passengers can open the doors under special circumstances. Spring is installed inside the interior handle. When the handle is released,

the handle will return to its original position.

## Coat hook



Both rear grab handles in the vehicle are equipped with coat hooks for the convenience of passengers.



Do not hang heavy objects on the coat hook as this may cause damage.



Do not hang clothes with hangers on the hook, otherwise it will affect the protective effect of the safety curtain airbags.

### Magazine net (if equipped)



The magazine net is provided at the back of the front seat and is used to store small items such as newspapers and maps.



Do not place any heavy or sharp objects in the magazine net, or the net may be damaged.

### Net bag (if equipped)

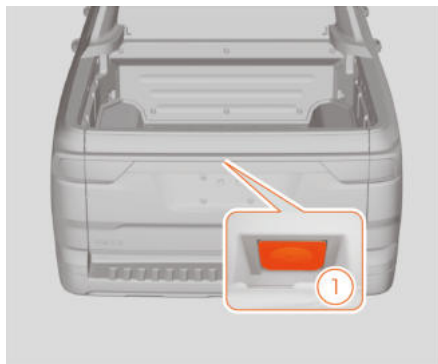


Net bag is located on the back of the front seat and is used to store small items such as newspapers and maps.



Do not place any heavy or sharp objects in the net bag, or it may be damaged.

### Cargo compartment



#### 1. Tailgate unlocking switch

The cargo compartment is used for loading large or heavy objects. After the tailgate is pre-unlocked, press the tailgate unlocking switch and pull it back to open the tailgate.

When the vehicle speed is less than or equal to 5 km/h, the cargo compartment light turns on automatically when the tailgate is opened.



For detailed information about pre-unlocking of the tailgate, please see the section "Opening and Closing Tailgate" in the chapter "Starting and Driving".

### Loading heavy objects

Objects in the loading area will move in the event of traffic accidents or emergency braking. Therefore, the



objects should be placed as far forward as possible and secured with the help of ropes and hooks as much as possible.

### Loading high objects

When loading high objects, the height of the objects must not exceed the height of the vehicle. Also, always secure them on the vehicle to ensure driving safety.

### Loading large objects

When loading large objects, the object length should not exceed cargo compartment length, and always secure them on the vehicle to ensure driving safety.

## Exterior equipment

### Roof rack



Roof racks are located on both sides of the roofs.

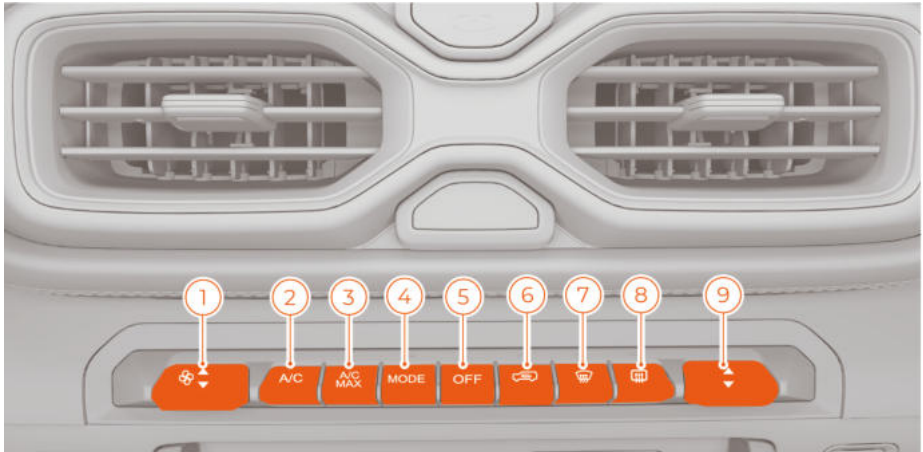
**i** The roof rack is a load-bearing roof rack with a static carrying capacity of 75 kg. Considering that full acceleration, sudden braking, and fast cornering during driving will cause additional load on the roof rack, please reduce the weight according to actual driving habits. Always strictly follow the relevant requirements for use. In case of damage, contact a Riddara authorised service centre for inspection and repair.



## Heating, ventilation and air conditioning

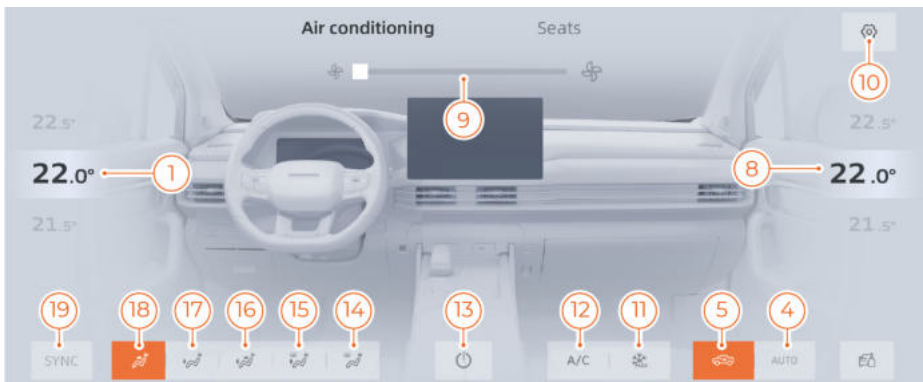
### Front A/C control system

#### Dash panel automatic air conditioning control



4

#### Multimedia automatic air conditioning control



## Air conditioning system

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- |                                      |                                   |
|--------------------------------------|-----------------------------------|
| 1. Air volume adjustment button      | 9. Temperature adjustment button  |
| 2. A/C button                        | 10. Foot mode button              |
| 3. A/C MAX button                    | 11. Windscreen mode button        |
| 4. MODE button                       | 12. Air volume decrease button    |
| 5. OFF button                        | 13. Air volume increase button    |
| 6. Fresh air/recirculation button    | 14. A/C settings button           |
| 7. Windscreen defrost/demist button  | 15. Face + foot mode button       |
| 8. Rear window defrost/demist button | 16. Foot + windscreen mode button |



In the A/C control panel on the multimedia display, the face mode button, foot mode button and windscreen mode button for selection of air vent mode can be used separately.

## Descriptions on front A/C control system buttons

1. Air volume adjustment button  
Press this button to adjust the air volume, with a total of 8 gears. Reduce the air volume downwards and increase it upwards.
2. A/C button  
Press this button, when the button indicator is on, the cooling function of the air conditioner compressor is enabled.
3. A/C MAX button  
Press the button, and when the button indicator is on, you can quickly cool down.
4. MODE button  
In manual mode, press this button to switch the air conditioner among five air vent modes, i.e. face mode, face + foot mode, foot mode, windscreen + foot mode and windscreen mode, and make air flow from corresponding vent.
5. OFF button  
When the air conditioner system is working, press this button and the system is switched off.
6. Fresh air/recirculation button  
Press this button to switch between recirculation and fresh air modes. When in recirculation mode, the button indicator lights up. The recirculation mode enables the internal circulation of air in the vehicle, helping to quickly cool or heat the air in the vehicle and

prevent ambient air and odours from entering.

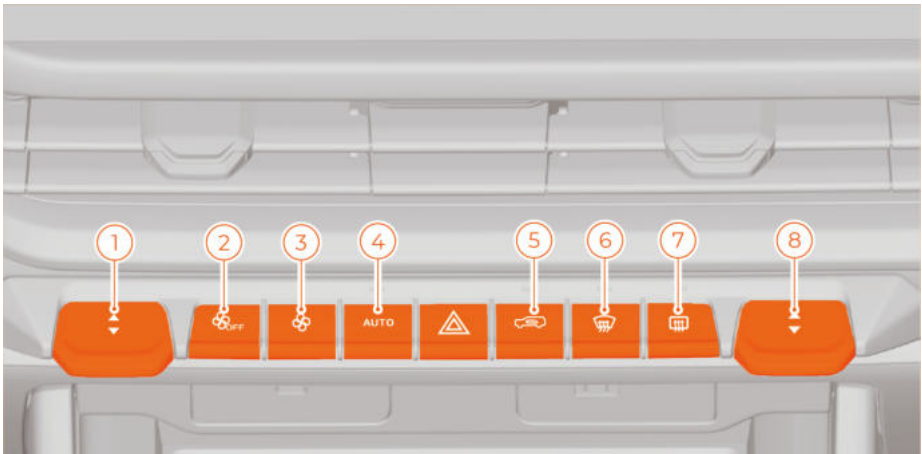


Using the recirculation mode over a long period may cause the cabin air to be dirty or the glass to mist.

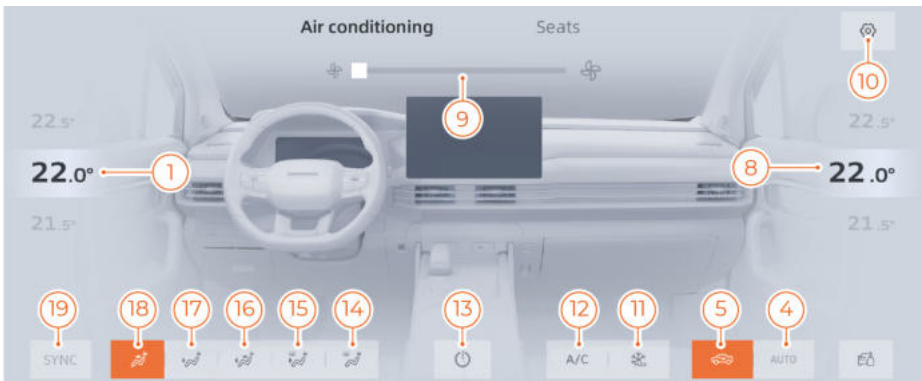
7. Windscreen defrost/demist button  
After the defrost/demist function is enabled, the air blows the windscreen and switches to the fresh air mode. After the A/C is turned on, pressing the air speed adjustment button in the defrost/demist mode will increase or decrease the air speed accordingly, and the air vent mode will remain in windscreen blowing mode. When switching off the defrost/demist function, the air speed and air vent mode return to the original setting.

8. Rear window defrost/demist button  
Press this button to turn on or off the rear window defrost/demist function. When the rear window defrost/demist function is turned on, the button indicator lights up. Press this button again to switch off the rear window defrost/demist function.
9. Temperature adjustment button  
Adjust the cabin air temperature. Moving down decreases the temperature, while moving up increases the temperature. The temperature adjustment button adjusts each bar to 0.5°C. The temperature setting range of the air conditioning is 17.5°C-31.5°C. Temperatures set above 31.5°C will display as HI, and temperatures set below 17.5°C will display as LO.
10. Face mode button  
Press this button, and when the indicator lamp lights up, face mode is activated.
11. Foot mode button  
Press this button, and when the indicator lamp lights up, foot mode is activated.
12. Windscreen mode button  
Press this button, and when the indicator lamp lights up, windscreen mode is activated.
13. Air volume decrease button  
Press this button to power on the fan or decrease the fan speed. When the fan is at level 1, further attempts to decrease the fan speed will be ineffective.
14. Air volume increase button  
Press this button to power on the fan or increase the fan speed. When the fan is at level 8, further attempts to increase the fan speed will be ineffective.
15. A/C settings button  
Click this button and the multimedia display automatically switches to the air conditioning setting interface.
16. Face + foot mode button  
Press this button, and when the indicator lamp lights up, face/foot mode is activated.

Multimedia automatic dual-zone air conditioning control (if equipped)



4



## Air conditioning system

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- |   |  |
|---|--|
| 1. Driver side temperature button                                       | 11. A/C MAX button   |
| 2. Air volume decrease/OFF button                                       | 12. A/C button   |
| 3. Air volume increase button   | 13. ON/OFF button  |
| 4. AUTO button  | 14. Windscreen/foot mode button  |
| 5. Fresh air/recirculation button                                       | 15. Windscreen mode button   |
| 6. Windscreen defrost/demist button                                     | 16. Face/foot mode button  |
| 7. Rear window/Exterior rearview mirror defrosting button (if equipped) | 17. Foot mode button   |
| 8. Passenger side temperature button                                    | 18. Face mode button   |
| 9. Air volume adjustment button   | 19. Dual-zone automatic air conditioning synchronization function button |
| 10. SET button  |  |



In the A/C control panel on the multimedia display, the face mode button, foot mode button and windscreen mode button for selection of air vent mode can be used separately.



## Descriptions on front A/C control system buttons

1. Driver side temperature button  
Adjust the driver side temperature. Moving down decreases the temperature, while moving up increases the temperature. The temperature adjustment button adjusts each bar to 0.5°C. The temperature setting range of the air conditioning is 17.5°C-31.5°C. Temperatures set above 31.5°C will display as HI, and temperatures set below 17.5°C will display as LO.
2. Air volume decrease/OFF button  
Adjust the air volume downwards and press the air volume decrease button again when the air volume is at level 1 to turn off the air conditioning.
3. Air volume increase button  
Press this button to power on the fan or increase the fan speed. When the fan is at level 8, further attempts to increase the fan speed will be ineffective.
4. AUTO button  
When the button is pressed and the button indicator light is on, the air conditioning system will enter the automatic temperature control state and automatically provide the optimal temperature and air volume according to the temperature in the vehicle.
5. Fresh air/recirculation button  
Press this button to switch between recirculation and fresh air

modes. When in recirculation mode, the button indicator lights up. The recirculation mode enables the internal circulation of air in the vehicle, helping to quickly cool or heat the air in the vehicle and prevent ambient air and odours from entering.



Using the recirculation mode over a long period may cause the cabin air to be dirty or the glass to mist.

6. Windscreen defrost/demist button  
After the defrost/demist function is enabled, the air blows the windscreen and switches to the fresh air mode. After the A/C is turned on, pressing the air speed adjustment button in the defrosting/demisting state will increase or decrease the air speed accordingly, and the air vent mode will keep blowing the windscreen. When switching off the defrost/demist function, the air speed and air vent mode return to the original setting.
7. Rear window/Exterior rearview mirror defrost/demist button (if equipped)  
Press this button to turn on or off the rear window/exterior rearview mirror defrost/demist function. When the rear window/exterior rearview mirror defrost/demist function is turned on, the button indicator lights up. Press this

button again to switch off the rear window defrost/demist function.



Do not use a scraper or sharp tool to remove condensation or other substances from the inside of the windscreen and rear window. Failing to do so can result in the damage of rear window demister grille. Repairs resulting from this are not covered by the warranty. Make sure all objects are at a safe distance from the vehicle windows.

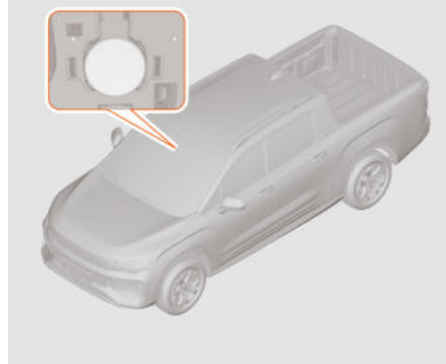
8. Passenger side temperature button  
Adjust the front passenger side temperature. Moving down decreases the temperature, while moving up increases the temperature. The temperature adjustment button adjusts each bar to 0.5°C. The temperature setting range of the air conditioning is 17.5°C-31.5°C. Temperatures set above 31.5°C will display as HI, and temperatures set below 17.5°C will display as LO.
9. Air volume adjustment button  
Click the air volume progress bar and select the air volume according to your personal needs.
10. A/C settings button  
Click this button and the multimedia display automatically switches to the air conditioning setting interface.
11. A/C MAX button  
Press the button, and when the button indicator is on, you can quickly cool down.
12. A/C button

Press this button, when the button indicator is on, the cooling function of the air conditioner compressor is enabled.

13. ON/OFF button  
Press this button to turn on or off the air conditioning.
14. Windscreen/foot mode button  
Press this button, and when the indicator lamp lights up, windscreen/foot mode is activated.
15. Windscreen mode button  
Press this button, and when the indicator lamp lights up, windscreen mode is activated.
16. Face/foot mode button  
Press this button, and when the indicator lamp lights up, face/foot mode is activated.

17. Foot mode button  
Press this button, and when the indicator lamp lights up, foot mode is activated.
18. Face mode button  
Press this button, and when the indicator lamp lights up, face mode is activated.
19. Dual-zone automatic air conditioning synchronization function button  
Press this button, and when the indicator lamp lights up, it is for single-zone control, and the temperature on the driver side and the front passenger side are adjusted simultaneously. When the indicator lamp is turned off, it is for dual-zone control, and the temperature on the driver side and the front passenger side can be independently adjusted.

## Ambient light and sunlight sensor



The ambient light and sunlight sensor behind the front windscreen sends information about the measured sunlight radiant intensity, then the air conditioning system evaluates it to control the temperature in the vehicle. At the same time, the signals collected by the sensor are also used to turn the automatic lights on and off.

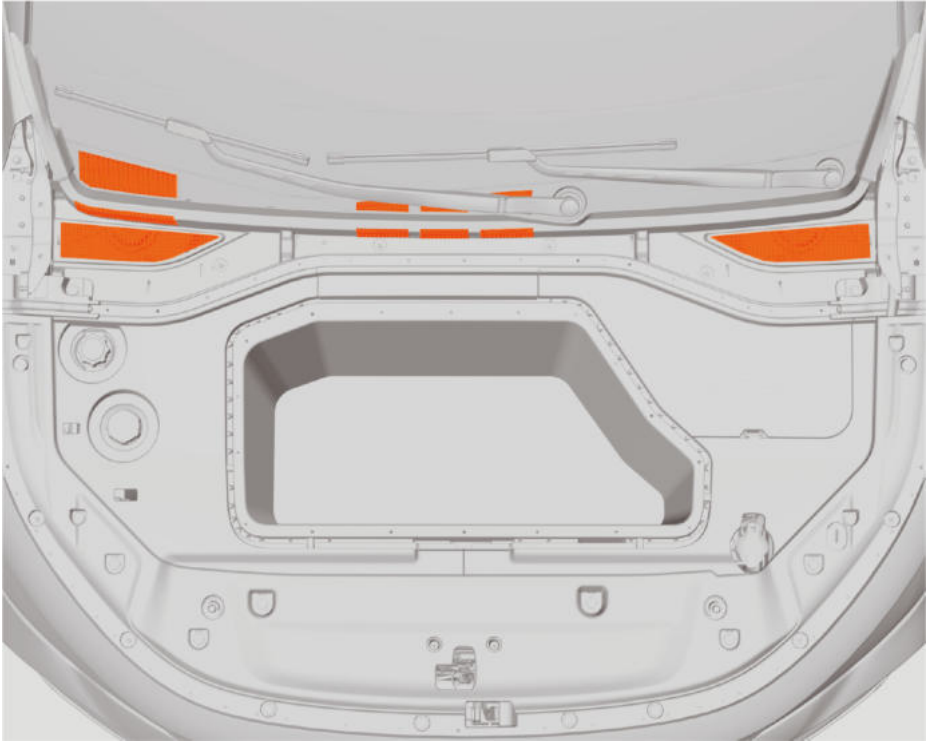
**i** Keep the sensor clean, and do not place foreign articles such as labels on it. Otherwise, the automatic temperature control system, automatic lighting and automatic wiper will not work properly.

Air conditioning system

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Air conditioning and ventilation system

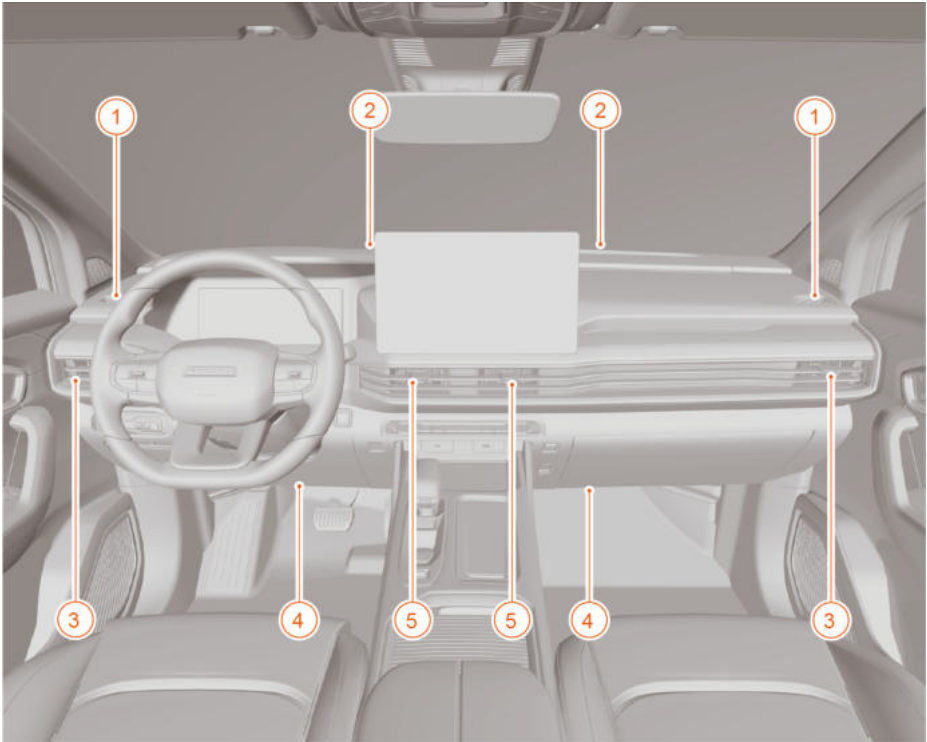
Air inlet



Clear any obstructions from the air inlet under the front grille to ensure proper airflow into the vehicle.

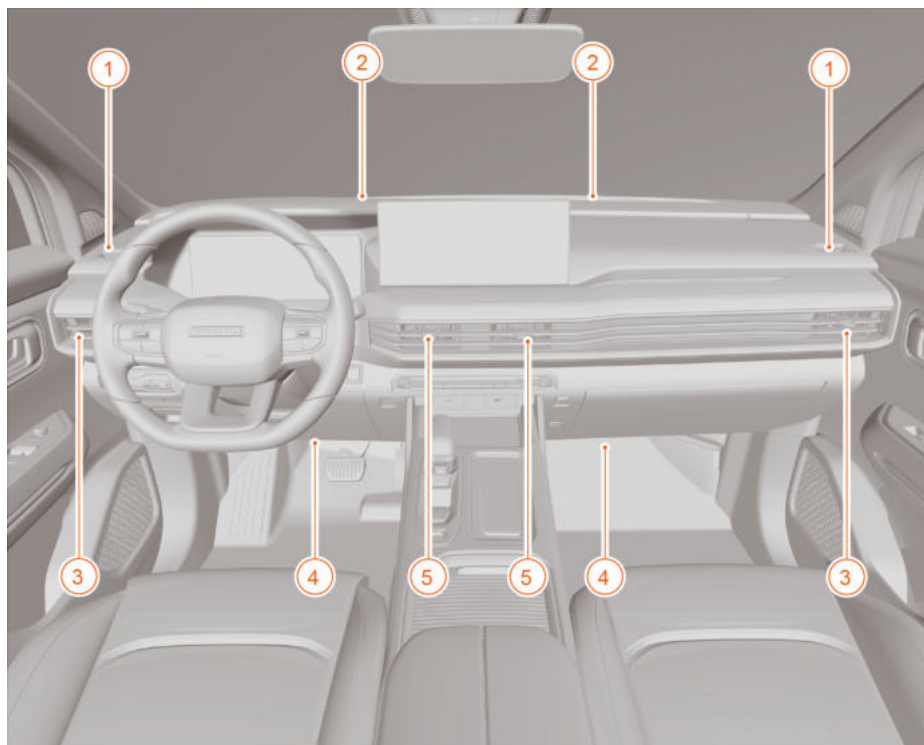
## Air outlet

### Front air outlet (Type 1)



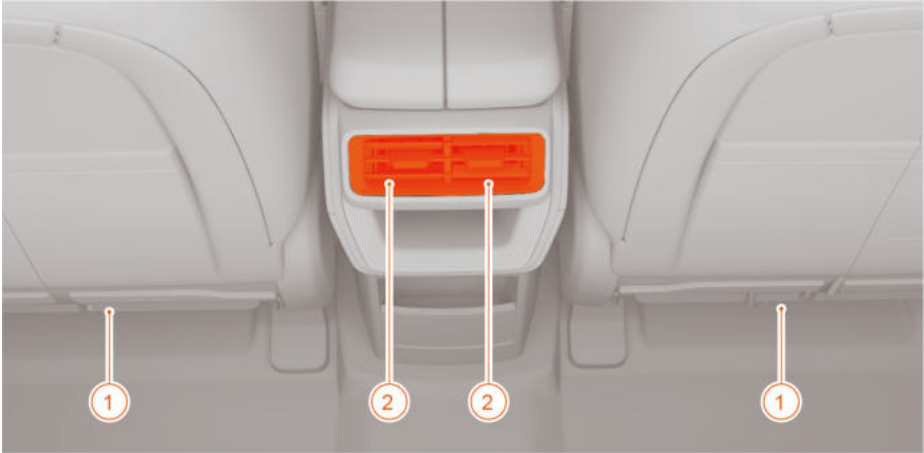
- |                                    |                              |
|------------------------------------|------------------------------|
| 1. Side defroster air outlet       | 4. Front footwell air outlet |
| 2. Windscreen defroster air outlet | 5. Central air outlet        |
| 3. Side air outlet                 |                              |

### Front air outlet (Type 2)



- |                                    |                              |
|------------------------------------|------------------------------|
| 1. Side defroster air outlet       | 4. Front footwell air outlet |
| 2. Windscreen defroster air outlet | 5. Central air outlet        |
| 3. Side air outlet                 |                              |

Rear air outlet (Type 1)

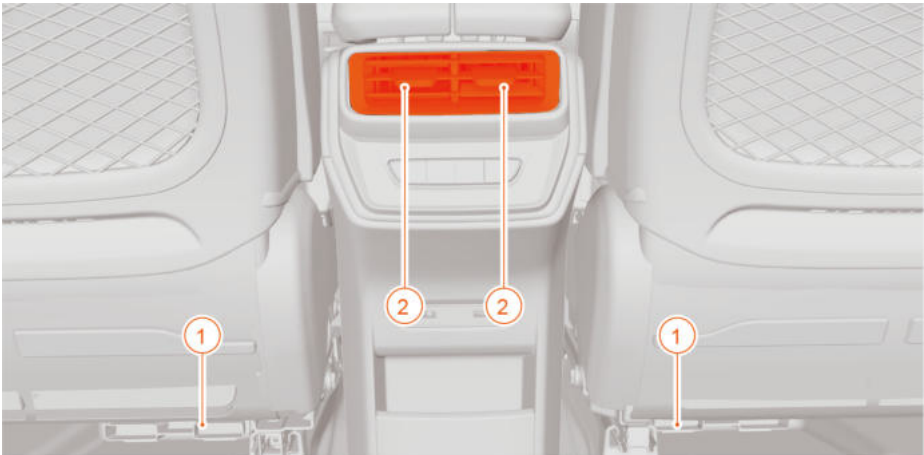


1. Rear footwell air outlet

2. Rear air outlet (if equipped)

4

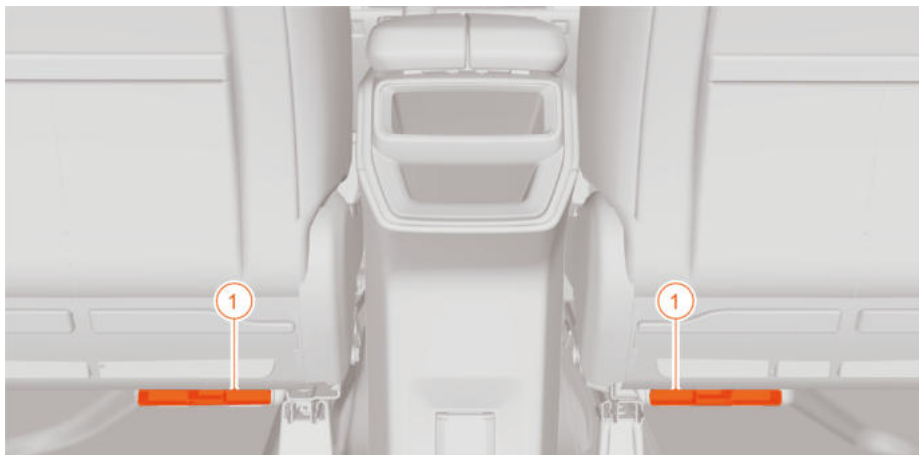
Rear air outlet (Type 2)



1. Rear footwell air outlet

2. Rear air outlet (if equipped)

### Rear air outlet (Type 3)

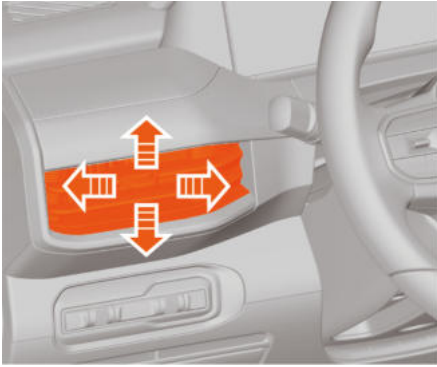


1. Rear footwell air outlet



## Vent adjustment

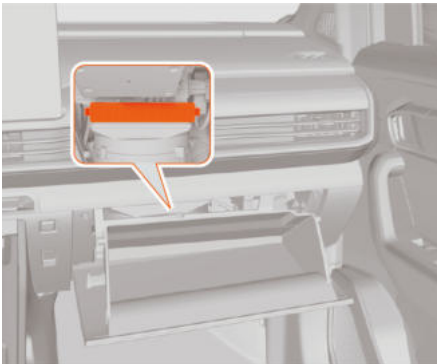
### Adjusting vents



Change the direction of the airflow by adjusting the grille in the up, down, left, and right directions.

## Air purification system

### A/C filter



A/C filter is located at the rear of the stowage compartment. The filter can effectively block and filter very small particles (0.3μm level) such as dust,

pollen, and dust inhaled into the vehicle from the outside, and has a sterilization function. To maintain optimal filtration, check and replace the filter element regularly in accordance with the Warranty Maintenance Manual.

### Maintenance of A/C system

- If the vehicle is parked under direct sunlight for a long time, the temperature in the vehicle can rise very high. In this case, open all windows first to let the hot air out of the vehicle and switch on the A/C Max function. When the interior temperature becomes cooler, close the windows and adjust the interior temperature as required or simply press the AUTO.
- In wet weather, cold air should not be blown directly into the front windscreen to avoid condensation on the window due to the temperature difference between the inside and outside of the window.
- When driving on dusty roads, close all windows and it is recommended to keep the air recirculation mode running.
- Do not smoke when the air conditioning is working, otherwise, it will cause eye stinging.
- Do not let leaves or other debris block the air inlet.

## Air conditioning system

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- Keep the underside of the front seats clear to facilitate air circulation.

### Long-term storage

If the vehicle is to be stored or not used for more than two weeks, leave the air conditioning system running for five minutes in the recirculation mode and at maximum air rate when the vehicle is started. This allows the air conditioning system to be fully lubricated and minimizes the possibility of damage to the air conditioning system when the system starts up again.

## Seats

### Front seats

#### Adjusting front seat head restraints



Adjust the head restraints so that the upper edge of the head restraints is equal to the top of the head. This can reduce the risk of neck injury in the event of accidents.

**!** Correctly install and adjust the head restraints before driving to avoid serious injury or death in the event of an accident.

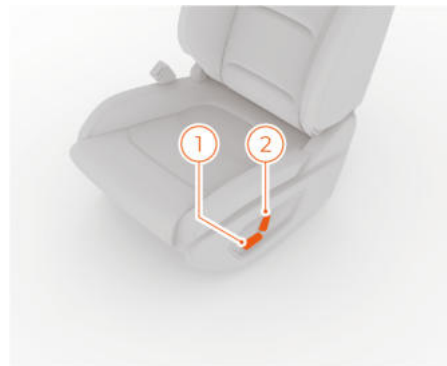
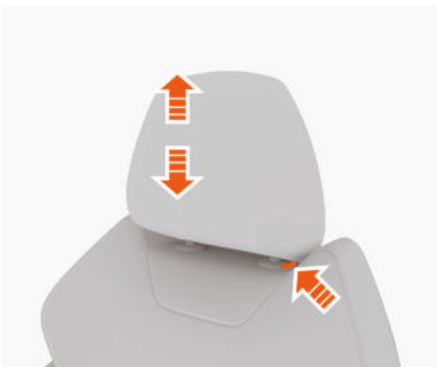
To adjust the head restraints height, simply lift it up. Press and hold the adjustment button on the side of the head restraints to adjust them to the desired height, then release the button. Gently press or lift the head restraints again until you hear a click to ensure the head restraints is stuck in place.

**!** Do not adjust the seat while the vehicle is in motion. This can cause the vehicle to lose control, resulting in injury or death.

#### Electrically-adjustable driver seat

The driver seat can be electrically adjusted in six directions, and the adjustment switch is located on the left side of the seat.

**!** Do not place anything under the electrically adjustable seat or deliberately hinder the adjustment of the seat, otherwise, it can lead to damage to the seat.



## Seat and protection device

1. Seat back and forth/height adjustment switch
2. Backrest angle adjustment switch

### Adjusting seat back and forth



Press the switch in the direction of the arrows to adjust the seat back and forth.



Under normal temperature conditions (25 °C), if the adjustment motor experiences overheating protection and cannot work, it will automatically resume after a while.

### Adjusting seat height



Press the switch in the direction of the arrows to adjust the seat height.

### Adjusting backrest angle



Press the switch in the direction of the arrows to adjust the tilt of the backrest.

### Manually-adjustable front passenger seat (if equipped)

The front passenger seat can be adjusted in four directions, and the adjusting lever and rod are located on the right and front sides of the seat respectively.



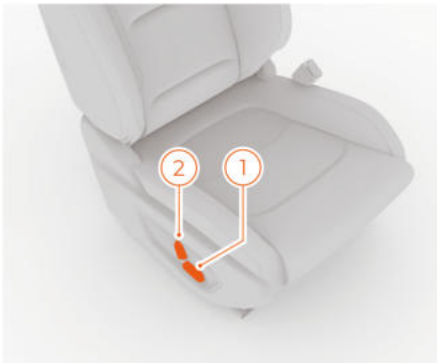
1. Seat back-and-forth adjusting rod

Hold the seat back-and-forth adjusting rod and pull it upwards. Slide the seat to the desired position by leaning lightly against the seat. Release the adjusting rod until a click is heard in the seat slide and the seat locks in place.

2. Backrest angle adjusting lever  
Raise the backrest angle adjusting lever to unlock the backrest; lightly press backwards or slowly move away from the backrest to rotate the backrest backward or forward to the desired position. Release the backrest angle adjusting lever to lock the backrest.

### Electrically-adjustable front passenger seat (if equipped)

The front passenger seat can be electrically adjusted in four directions, and the adjustment switch is located on the right side of the seat.



1. Seat back-and-forth adjustment switch
2. Backrest angle adjustment switch

### Adjusting seat back and forth



Press the switch in the direction of the arrows to adjust the seat back and forth.

### Adjusting backrest angle



Press the switch in the direction of the arrows to adjust the tilt of the backrest.

**!** Under normal temperature conditions (25 °C), if the backrest angle adjustment motor experiences overheating protection and fails to work, it will automatically resume after a while.

### Rear seats

#### Adjusting rear seat head restraints

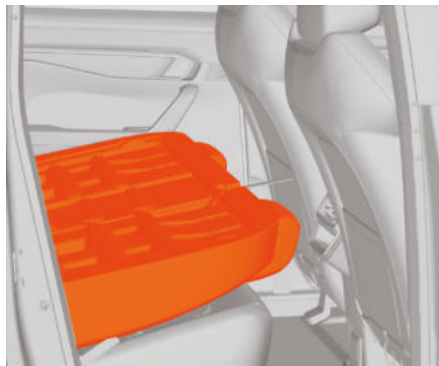


The head restraints can be adjusted upwards by lifting them upwards directly. Press the adjustment button on the side of the head restraints, and the head restraints can be moved downward until a click is heard to ensure the head restraints are stuck in place. Press and hold the adjustment button to install or remove the head restraints.

#### Folding rear seat backrest



There is a collapsible belt on the right side of the rear seat backrest. Put the rear seat head restraints in the lowest position, pull the collapsible belt up as far as possible, release the rear seat backrest, and fold the rear seat into place.



After the seat backrest is folded, ensure that there is a certain space between the rear seat head restraints and the front seat.

#### Folding back rear seat backrest

To turn the rear seat backrest to its original position, fold back the rear seat backrest and push back hard until you hear it lock.

## Folding rear seat cushion



The rear seat cushions have a 4/6 folding function, and collapsible belts are installed on each side. Pull the collapsible belts up as far as possible, and the corresponding cushion automatically turns up completely.

**!** When pulling out the collapsible belts, the rear seat cushion will turn up quickly. Please hold the seat cushion to slowly turn up to avoid unnecessary losses.

**i** If the collapsible belts are not completely pulled to the end, the corresponding side cushion will not be completely turned up. To turn it up completely, pull the collapsible belts again.

## Folding back rear seat cushion

To turn the cushion to its original position, pull out the collapsible belts and move the seat cushion backwards, and press downwards hard until you hear it lock.

**!** When the vehicle is in motion, the occupant is not allowed to sit on the folded seat, and the seat should be used safely. When the seat backrest is restored to the initial position, the following precautions should be observed to prevent injury in the event of a collision or emergency brake:

- Push the top of the seat backrest forward and backward to ensure the seat backrest is firmly locked. Otherwise, it will affect the normal operation of the seat belt.
- Make sure the seat belt is not twisted or clamped under the seat but is placed in place for use.
- When the seat cushion is folded and locked, move the latches forward to the lowest position.

## Seat heating (if equipped)

### Front seat heating



Click on the multimedia display step by step: Air conditioning → Seats → Heating, and turn on or off the seat heating function on the active screen. Seat heating has four levels: OFF, 1, 2 and 3, and the driver seat heating intensity can be turned off or set by clicking the corresponding button.



- Do not kneel on the seat or apply concentrated load to the seat to avoid damaging the seat heating elements.
- Do not clean the seats with a wet method.
- Seat heating can be turned on only when the vehicle is started. This is to avoid low battery. In case of low battery, seat heating will be automatically turned off to leave enough electricity for the vehicle to work.
- Do not place cushions on seats during electric heating.

## Seat ventilation (if equipped)

### Front seat ventilation

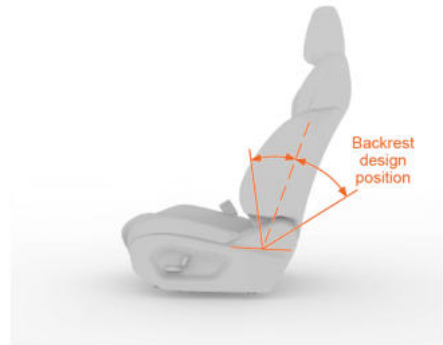


Click Air conditioning → Seat → Ventilation on the multimedia display in order to turn on or off the seat ventilation function in this interface. Seat ventilation has four levels: OFF, 1, 2 and 3, and the driver seat ventilation intensity can be turned off or set by clicking the corresponding button.



- The front seat heating/ventilation function cannot be turned on unless the start switch is turned to ON position.
- For the same seat, heating and ventilation cannot be turned on at the same time.

## Seat adjustment parameters



When the seat is in the original position, the adjustment parameters of the seat (when measuring cushion depth) are as follows:

Item		Parameters
Driver seat	Up and down adjustment	Total stroke: 55 mm (27.5 mm upward, 27.5 mm downward)
	Back-and-	Total stroke: 220 mm (190 mm forward, 30 mm



Item	Parameters	
	forth ad just men t	backward)
	Back rest ad just men t	Total stroke: 88° (30° forward, 58° backward)
	Cush ion dept h	496 mm
Front passen ger seat	Bac k- and- forth ad just men t	Total stroke: 220 mm (190 mm forward, 30 mm backward)
	Back rest ad just men t	Total stroke: 88° (30° forward, 58° backward)
	Cush ion dept h	463 mm

## Seat belts

### Overview of seat belts



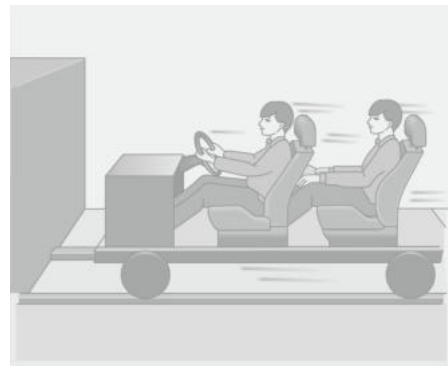
Improperly fastening or failure to fasten seat belts may cause accidents and serious or fatal injuries!

No occupant is allowed to sit in an area without a seat and seat belt or on a seat with a damaged seat belt. Each seatbelt is for one person only. Do not share seat belts (including children).

All occupants should properly wear their seat belts while the vehicle is in motion. Properly fastening seat belts can mitigate injuries to occupants in the event of emergency braking or an accident.

### Why are seat belts protective

When a passenger sits inside or on an object, he or she shares the same speed as the object.

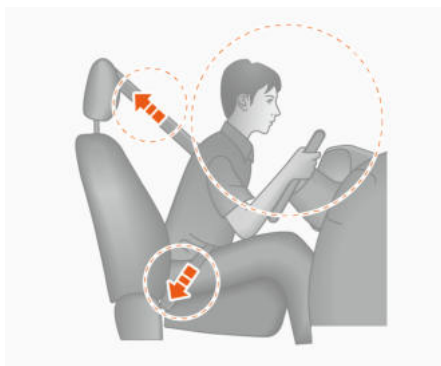


## Seat and protection device

Take the above picture as an example. Consider the vehicle as a seat with wheels. Let a passenger sit on it, speed it up and then stop, the passengers on it won't stop.



The passenger will continue to move forward until blocked by an object. In a real case, the object might be hard objects such as the windscreen, dash panel, or seats.



If the seat belt is fastened, the passenger will slow down with the vehicle. It takes a longer time and longer distance before such motion comes to an end.

## Correct sitting posture

### Importance of correct sitting posture

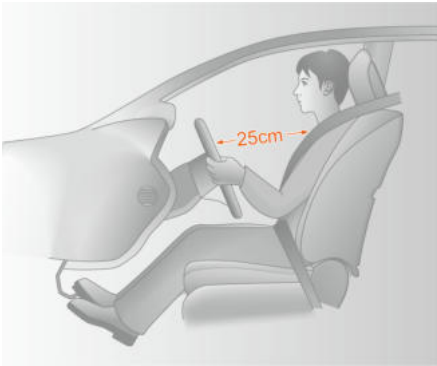
Correct sitting posture is crucial for the optimal functioning of seat belts and airbags. The driver and front seat passenger can make various adjustments to their seats based on their body requirements. Correct sitting posture ensures:

- Accurate, effective and safe control of the vehicle.
- Proper support for the body, preventing driver fatigue.
- Maximizing the protective capabilities of seat belts and airbags.

**!** When driving, do not tilt the seat backrest too much, put your head or arms out of the window, or lean forward too close to the airbag to avoid serious injury or death.

### Correct sitting posture of driver

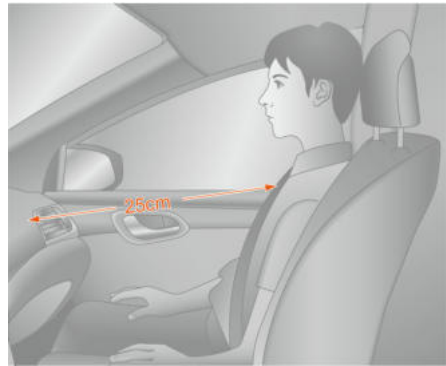
Correct sitting posture of driver is essential for safe driving. The recommended adjustments for driver are as follows:



- Adjust the steering wheel so that the distance between the chest and the steering wheel is at least 25 cm.
- Adjust the driver seat forward and backward so that the driver can better operate the accelerator and brake pedals.
- Adjust the seat backrest to the upright position so that the back can be fully fitted with the backrest.
- The head restraint should be properly adjusted according to height.
- Properly fasten the seat belt.

### Correct sitting posture of the front seat passenger

The recommended adjustments for front passenger are as follows:



- The front passenger must keep a distance of no less than 25 cm from the dash panel.
- Adjust the seat backrest to the upright position so that the back can be fully fitted with the backrest.
- Properly fasten the seat belt.

### How to fasten the seat belt correctly

This section is for adults only.



For children and infants, there are different protection regulations and special requirements on seat belts. For detailed information, see the

## Seat and protection device

requirements for “Senior children” or “Infants and toddlers” in this chapter. All passengers should wear their seat belts to avoid injury in traffic accidents. Sit up straight, and put their feet on the front floor. The crotch belt should be positioned low and snugly across occupants' hips as much as possible, preventing occupants from shifting to reduce the risk of severe injury in traffic accidents. The shoulder belt should be over the shoulders and across the chest. In case of emergency braking or accidents, the shoulder belt is locked to protect the passenger.

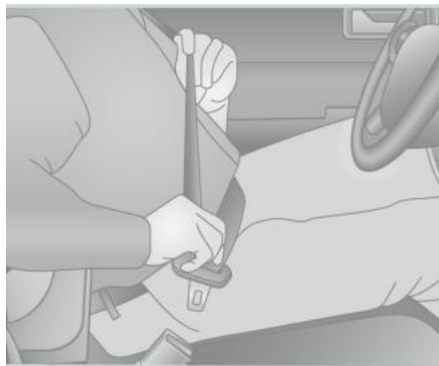
### How does a pregnant woman use a seat belt



Pregnant women should wear seat belts correctly, positioning the lap belt as low as possible below the protruding abdomen. Sitting upright and positioning herself away from the steering wheel or dash panel can reduce the risk of injury to both the

pregnant woman and the fetus in case of a collision or airbag deployment.

### Three-point seat belt



1. Pick up the latch plate and pull the seat belt across your body. Do not twist the seat belt.

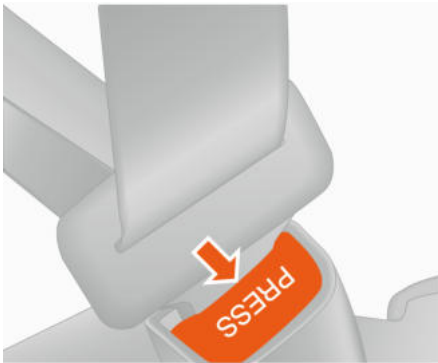
The three-point seat belt may be locked when you pull it over your body too fast. If that happens, you can unlock the seat belt by retracting it a little, and then pull it slowly across your body.



2. Press the latch plate into the belt buckle until you hear a click.

Pull the latch plate to ensure it is locked. Check the position of the release button on the striker pin so that the seat belt can be quickly unbuckled if necessary. If a shoulder belt height adjuster is equipped, adjust it to the appropriate height. For detailed instructions and important safety information, please see "Shoulder Belt Height Adjuster" in this chapter.

3. Pull the shoulder belt up to tighten the lap section.



4. Press the red button on the striker pin to unbuckle the seat belt. The seat belt shall be retracted to the state before use.

**!** Take care to prevent foreign objects such as food scraps, nut shells, buttons, coins, and viscous liquid from falling into the safety belt buckle. It may lead to the failure of seat belt warning and buckle locking or unlocking.

**!** Do not insert objects other than the vehicle's latch plate into the buckle, otherwise, it may cause the buckle to malfunction. This reduces the protection provided by the seat belt and may cause serious injuries and even death.

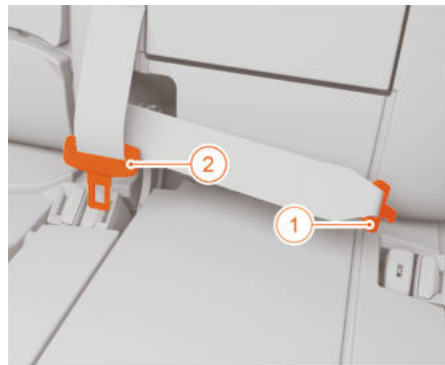
**!** To prevent the seat belt from retracting back too fast and hurting the passenger or getting stuck, please hold the belt while unbuckling until it fully retracts.

**!** Before closing a door, make sure that the seat belt will not be stuck in the door. Otherwise, the seat belt and door will be damaged.

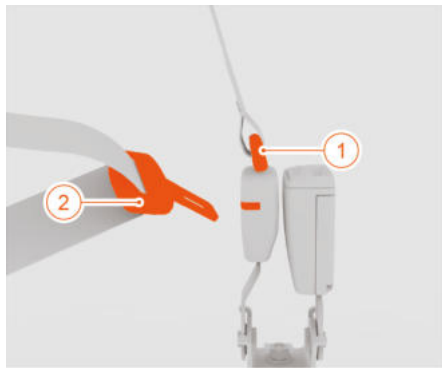
### Rear middle seat belts

The rear middle seat belt is a three-point belt, and the operation of wearing and unbuckling is as follows:

1. Insert the seat belt latch plate 1 into the left buckle of the rear middle seat. Then, insert the seat belt latch plate 2 into the right buckle of the rear middle seat.



2. Press the right seat belt buckle of the rear middle seat, unbuckle the middle rear seat belt latch plate 2, then turn up the rear seat cushion assembly. Insert the seat belt latch plate 2 into the buckle to release the seat belt latch plate 1, and recover the rear seat belt assembly.



### Shoulder belt height adjuster

The vehicle is equipped with a shoulder belt height adjuster in the driver and front passenger seats.

It adjusts the height so that the shoulder belt is centred on the shoulder. The seat belt should be kept away from the face and neck, but should not fall off the shoulder.

Incorrectly adjusting shoulder belt height can reduce the effectiveness of seat belts in protecting occupants in the event of accidents.



Press the button as shown in the image above and adjust the height adjuster to the desired position. The adjuster moves up by pressing the button and pushing up the slider trim panel. After adjusting the adjuster to the desired position, release the button and try to move the adjuster down to make sure it is locked in place.

### Seat belt pre-tensioner (if equipped)

The driver's and front passenger's seat belts are equipped with a seat belt pre-tensioner, respectively.

In case of vehicle collision, it will tighten the seat belt to ensure the safety of occupants. The pre-tensioner can only work once. After a collision, it is necessary to contact a Riddara authorised service centre for a new pre-tensioner, and it may be necessary to replace other parts of the seat belt system.

## Seat belt unfastening warning

The vehicle is equipped with the unfastened seat belt warning lamp for the driver seat, and the unfastened seat belt warning lamp and buzzer for the front passenger seat to remind the driver and front passenger to fasten their seat belts.



Ignoring the warning lamp, prompts, and warning instructions may result in serious injury, vehicle damage or traffic accidents.

Correct use of seat belts can reduce the risk of injury during emergency braking and traffic accidents. Therefore, always properly wear seat belts while the vehicle is in motion.

## Warning lamp and buzzer

- When the start switch is ON, if the vehicle is driven at a speed of less than or equal to 10 km/h and at a distance of within 300 meters, or when the gear is in position R and the driver or passenger doesn't fasten the seat belt, the seat belt warning lamp will be on. The warning lamp goes out when the driver and passenger have fastened their seat belts.
- When the vehicle is driven at a speed greater than 10 km/h and less than or equal to 25 km/h or at a distance greater than 300 meters, if the driver or passenger seat belt is not fastened or is unbuckled, the warning lamp flashes and the buzzer alerts with a level-1 sound until the seat belts are fastened.
- Suppose that the vehicle is driven at a speed greater than 25 km/h, if the driver's or passenger's seat belt is not fastened or is unbuckled, the warning lamp flashes and the buzzer alerts with a level-2 sound until the seat belts are fastened.

### Seat belt maintenance and replacement

#### System check for seat belt

Check your seat belt system regularly:

- Check whether the seat belt warning lamp, seat belts, striker pins, latch plates, retractors and fixtures are working properly.
- Check the belt system for other loose or damaged parts that may affect the proper functioning of the seat belt system.
- If a seat belt has cracks or is damaged, replace it immediately.
- Ensure that the seat belt warning lamp is working properly.
- Check whether seat belts are clean and dry.

and repair the parts even if the seat belt system is not in use at the time of the accident.



In the event of a collision, the seat belt system inside the vehicle may be damaged. Have it replaced at a Riddara authorised service centre as soon as possible.

#### Seat belt maintenance

Please keep seat belts clean and dry.



Avoid using bleach or staining the seat belt as it can significantly weaken the integrity of the seat belt. In the event of a collision, the seat belt may not provide adequate protection. Clean the seat belts with mild soap and warm water only. Ensure that the seat belt is completely dry before using it again.

#### Replacing seat belt

After an accident, go to a Riddara authorised service centre to check or replace the seat belt assembly. Replace



## Airbags

### Airbag overview

The airbag is one part of the passive safety system and never replace seat belts. Otherwise, it will not be able to play its protective role effectively in the event of an accident.



Without seat belts, rapid inflation and deployment of airbags can lead to more serious injuries. Therefore, all occupants should fasten their seat belts while driving. Airbags do not trigger in all accidents due to factors such as the position and angle of impact, the degree of impact, and the characteristics of the collider. The airbag triggers with great force, so the driver and front seat passenger should adjust the seat to the front airbag at a sufficient distance and fasten the seat belt to avoid serious injuries.



There must be no obstacles in the inflating area where the airbag triggers. Nothing should come between the occupant and the airbags. If there is an obstacle between the occupant and the airbags, the airbags may not inflate properly, or throw objects at the occupant when it is activated. This may lead to serious injuries or fatal death.

Do not touch the airbag after it has deployed to avoid burns.

When the airbags are triggered, a small amount of smoke may be released, which may irritate the skin and eyes. Please seek medical attention in case of serious discomfort.



Do not maintain, repair, or replace any part of the airbags system without authorisation. Otherwise, the system may fail to work properly, resulting in serious injury or death.

The airbags can only trigger once! If the airbags have been activated, it must be replaced immediately at a Riddara authorised service centre.



Because airbags deploy with considerable speed and force, do not allow infants, toddlers and children seat on or carry them in front seats with airbags, as this could result in serious injury or death.

## Positions of airbags

### Front airbags

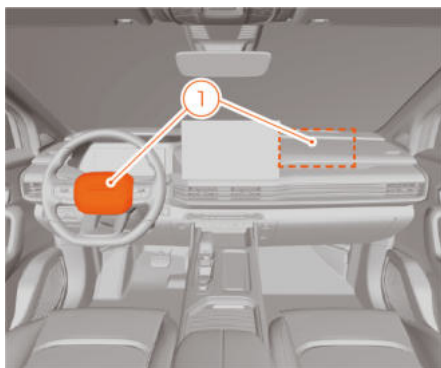
When a frontal collision occurs, the front airbags, together with the seat

## Seat and protection device

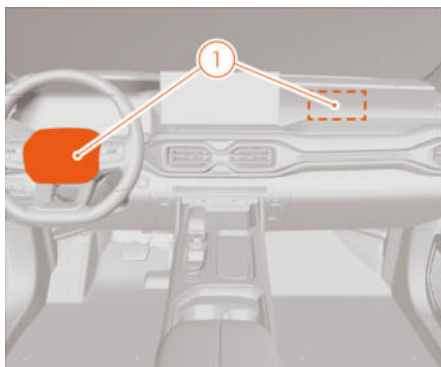
belt, can effectively protect the driver and front passenger from the frontal impact injury.

In the event of a moderate to severe frontal collision or near-frontal collision with the vehicle, the airbag system trigger condition is met, causing the airbag to fill with gas to cushion the driver and front passenger from the impact and prevent the driver and front passenger from hitting the steering wheel and dash panel directly.

Type 1



Type 2



1. Position of front airbags

Two front airbags are respectively installed in the centre of the steering wheel and the upper dash panel of the glove box, marked with the letters "AIRBAG".



Frontal airbags are not designed for rear impact, slight frontal impact or vehicle overturning, and are not triggered in emergency braking.

The expansion and contraction of the airbag take place in a very short period of time, so the front airbags do not protect against the effects of a possible subsequent second impact.

To make full use of frontal airbag protection, all occupants must fasten their seat belts correctly and sit in the correct position while the vehicle is in motion.



Do not place any objects or pets in front of the dash panel or glove box, or on the steering wheel equipped with an airbag. They will hinder the deployment of the airbag or cause serious casualties due to the large injection force when the airbag is deployed. Never add, modify, remove, strike, or open any front airbag component or wiring. This may cause the airbag to suddenly inflate or fail to function, leading to serious injury or death.

**!** Do not sit on the edge of a seat or lean on the dash panel while the vehicle is in motion. This may cause serious injury or death to the occupant who is leaning upright or very close to the airbag when it expands. The driver and front passenger must keep at least 25 cm away from the airbags.

**!** Please contact a Riddara authorised service centre immediately in one of the following situations:

- After the deployment of the front airbags;
- The front of the vehicle is impacted, but the front airbags are not triggered.
- The front airbag cover is cracked, scratched, or damaged in other forms.



Side airbags are installed inside the backrest of the driver seat and front passenger seat, marked with the letters "AIRBAG".

**!** Due to the considerable speed and force of the side airbag when expanded, never put your head or hands outside the window, or head close to the airbag expansion range when the vehicle is in motion, otherwise, it may cause serious injuries or death.


**!** Never install a seat cover on the seat equipped with the side airbag, otherwise, it will affect the deployment of the side airbag.

5


### Side airbags

Side airbags are designed to provide further protection as a supplement to the safety protection provided by seat belts for the driver and front passenger. In the event of a moderate to severe side impact, side airbags will inflate to reduce occupant injury together with the seat belt.

Side airbags mainly help reduce chest injuries to the driver or front passenger.

 Please contact a Riddara authorised service centre immediately in one of the following situations:

- Side airbags deployed.
- The door was impacted, but the side airbags didn't deploy.
- When the front pillars, rear pillars, roof side beam decorations, or headliner containing side curtain airbags were cracked, scratched, or otherwise damaged.

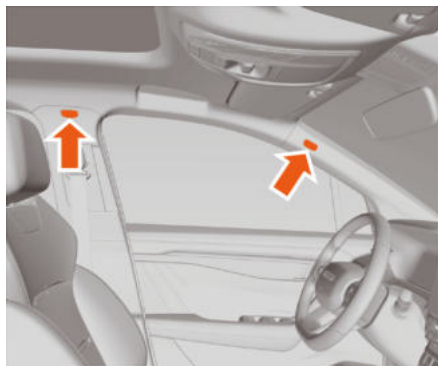
 Do not perform the following operations without consulting a Riddara authorised service centre, so as not to affect the normal function of the side airbag:

- Installation of electronic equipment such as mobile two-way radio communication devices.
- Modifications to the side structure of the passenger side.


### Side curtain airbag (if equipped)


Side curtain airbags are designed to provide further protection as a supplement to the safety protection provided by seat belts for the driver and outside rear passengers. In the event of a moderate to severe side impact, side curtain airbags will inflate to reduce occupant injury together with the seat belt. Side curtain airbags mainly help reduce head injuries to the


driver, front passenger, and outside rear passengers.




The side curtain airbags are installed above the left and right doors and marked with "AIRBAG".

 Due to the considerable speed and force of the side curtain airbag when expanded, never put your head or hands outside the window, or head close to the side curtain airbag expansion range when the vehicle is in motion, otherwise, it may cause serious injuries or death.

 Never install any decorative pieces around the side curtain airbags such as on the windscreen, windows, side pillars, and roof sides, or attach microphones or any other devices inside the roof and on the auxiliary handles. When the side curtain airbags are deployed, these items will be thrown out under the side curtain airbag expansion, resulting in injury or affecting the normal function of the side curtain airbags.

 Please contact a Riddara authorised service centre immediately in one of the following situations:

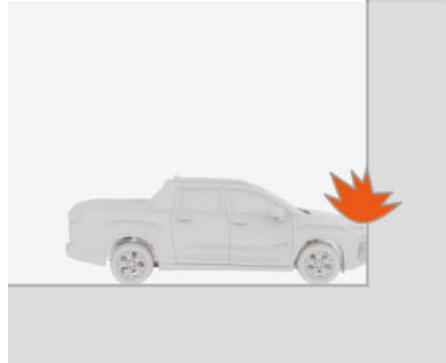
- Side curtain airbags deployed.
- The door was impacted, but the side curtain airbags didn't deploy.
- The side curtain airbags installed in the front pillars, rear pillars, and roof side trim, or roof were scratched, cracked, or otherwise damaged.

 Do not perform the following operations without consulting a Riddara authorised service centre, so as not to affect the normal function of the side curtain airbags:


- Installation of electronic equipment such as mobile two-way radio communication devices.
- Modification of the vehicle suspension.
- Repairs at or near the bracket.

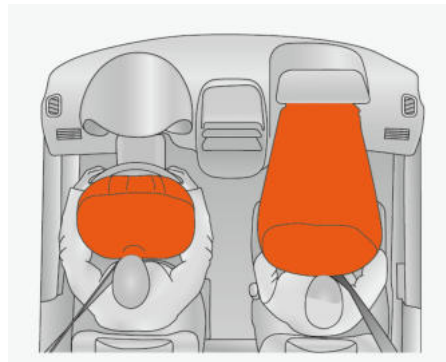
## Airbag deployment

### Front airbag deployment



The front airbags expand in the event of a frontal collision with a solid wall at a speed of 25 km/h and above.

 In order to reduce the injury caused when the airbag is triggered, the seat belt must be fastened at all times while the vehicle is in motion. Keep safe distance between the driver and front passenger, and the airbags.



In the event of a collision, whether the airbag works depends on the collision object, the collision direction and the

## Seat and protection device

speed deceleration of vehicle caused by the collision. In case of severe frontal collision, the front airbag will deploy.

Deployment of side curtain airbags (if equipped) and side airbags



In the event of a moderate to severe side impact that meets the design criteria, the side curtain airbags (If equipped) and the front side airbags can be triggered.

The deployment of the side airbags and side curtain airbags in a side impact can significantly reduce the risk of injury to the upper body and pelvis.

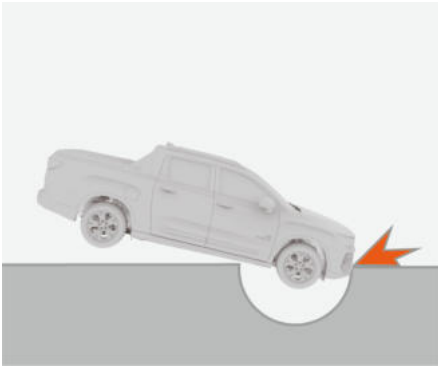
## Front airbag non-deployment cases



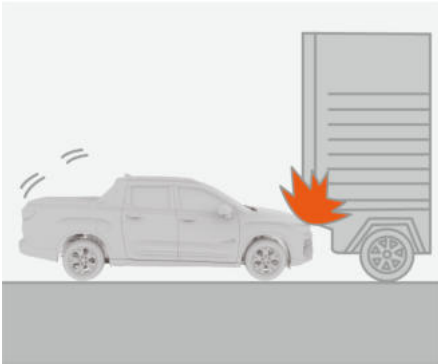
- Vehicles that are not started.
- Colliding with easily deformable objects such as trees.



- Strong impact with low obstacle like curb while driving.



- Falling into a deep pit or ditch.



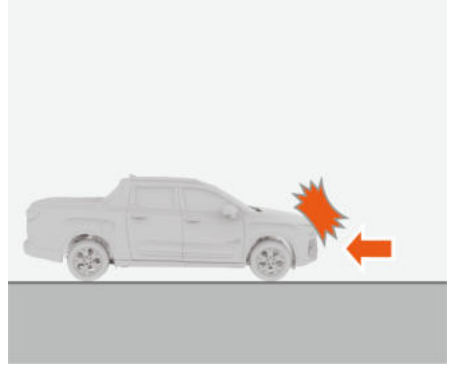
- Having a rear-end collision with a truck.



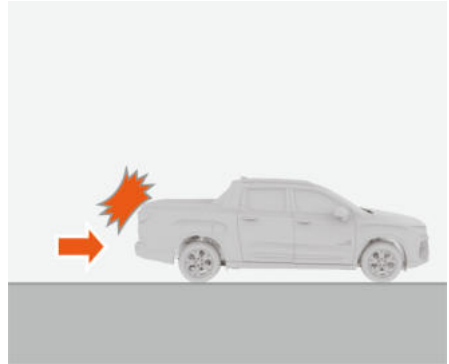
- In a side impact, rear impact, minor frontal collision, or rollover.

- Other special cases such as faulty airbag system.

Side curtain airbags (if equipped) and side airbags non-deployment scenarios



- In a front or near-frontal collision.



- In a rear collision.




- Rollover.
- In a minor side collision.
- Faulty airbag system.
- Other special circumstances.




## Airbag maintenance and replacement

### Airbag malfunction indicator lamp

 If the airbag malfunction indicator lamp stays on after the vehicle starts or lights up while driving, it indicates a malfunction in the airbag system. This can lead to improper airbag deployment or deployment at inappropriate times. To avoid injuries, contact a Riddara authorised service centre as soon as possible.

### Airbag replacement

 The collision may damage the airbag system in the vehicle. After the collision, go to a Riddara authorised service centre promptly for a replacement.

5

### Disposal of vehicle

When selling the vehicle, ensure that the new owner is aware of the replacement date of the airbag installed in the vehicle and the airbag system. In case of car scrapping, the undeployed airbag is potentially dangerous, so before scrapping, it must be detonated by the professional personnel.

## Child restraint system

### Selecting child restraint system

The information about the applicability of child seats at different seats is shown below (child seats are fixed with safety belts):

Group	Child's weight	Front passenger seat	Rear outer passenger seat	Rear middle passenger seat
0	<10 kg	X	U	X
0+	<13 kg	X	U	X
I	9 - 18 kg	X	U	X
II	15 - 25 kg	X	U	X
III	22 - 36 kg	X	U	X

The meanings of the keywords in the above table: U = The general-purpose child restraints certified for this group are applicable here; X = The child restraints certified for this group are not applicable here.

Information on the applicability of child safety seats on vehicle seats, on condition that the child safety seats are secured with an ISOFIX child restraint system:

Group	Child's weight	Size category	Fixture module	Front passenger seat	Rear outer passenger seat	Rear middle passenger seat
Portable baby crib	-	F	ISO/L1	X	X	X
		G	ISO/L2	X	X	X
0	<10 kg	E	ISO/R1	X	IL	X
0+	<13 kg	E	ISO/R1	X	IL	X
		D	ISO/R2	X	IL	X
		C	ISO/R3	X	IL	X
I	9 - 18 kg	D	ISO/R2	X	IL	X
		C	ISO/R3	X	IL	X
		B	ISO/F2	X	IUF	X


Group	Child's weight	Size category	Fixture module	Front passenger seat	Rear outer passenger seat	Rear middle passenger seat
		B1	ISO/F2X	X	IUF	X
		A	ISO/F3	X	IUF	X

The meanings of the keywords in the table above: IL= this seat can accommodate ISOFIX child restraint system of semi universal category according to the vehicle list attached to the child seat; IUF= this seat can accommodate ISOFIX child restraint system which is of general category and fixed with the fixing belt TOPTETHER; X= this seat is not equipped with the fixing ring for the ISOFIX system.

### Using child restraint system


#### Infants and older children

##### Infants


 If the shoulder belt crosses the neck of a child, the child will be severely injured and even killed when the seat belt is tightened gradually. Do not leave children in vehicle alone and do not allow them to play with seat belts.

Neither seat belt system nor airbag system in vehicles are designed to protect infants and children. Infants or children shall be always protected with corresponding child restraint system.



 Do not hold an infant or child in your arms when riding in the vehicle. In the event of a collision, infants and children cannot be held due to the impact of the collision, and they should be fixed with appropriate child restraint systems.



 Do not use rear-facing child restraint system in a seat protected by a front airbag (activated)!

Do not allow infants and children to cling to or get too close to an airbag. This can cause serious injuries and death when the airbag inflates. Never install a rear-facing child restraint system in the front passenger seat. Rear-facing and front-facing child restraint systems should be secured to the rear seat.

**!** The neck of infants and children is not fully developed, and their head is heavier than other parts of the body. To reduce the risk of neck and head injuries in a crash, infants and children need comprehensive support.

In the event of accidents, infants seated in the rear-facing child restraint system will remain securely positioned, and the collision's impact force be dispersed to the sturdiest parts of the infant's body, i.e. the back and shoulder. The infant shall be always secured in the rear-facing child restraint system. Because infants have small hip bones, standard vehicle seat belts may not properly secure them around the hips, and instead tend to move upward, fastening across the infant's abdomen. This could result in severe injuries or death in the event of a collision. Hence, it is essential to always use the appropriate child restraint system for infants. It is recommended that children under four years old use rear-facing child restraint system.

### Older children

Older children to whom child safety seats are no longer suitable shall wear safety belts.



The instructions attached to the child restraint system state the weight and height limits for the child sitting in it. Children who meet the following applicable conditions are required to use a child seat in conjunction with a seat belt:

- Sit as far back in the seat as possible. Children cannot bend their knees at the edge of the seat.
- Fasten the seat belt. Shoulder belts cannot be placed on children's shoulders.
- The seat belt could not fit low and snug across child's hips.
- Failure to wear the seat belt properly while the vehicle is in motion.

Older children should fasten seat belts correctly. Do not put the seat belt across the child's face or neck. The seat belt must snug across the child's hip to provide additional protection in accidents.

Never wear a seat belt around the abdomen. This may cause serious injury in the event of accidents.

## Seat and protection device

In the event of a collision, children who are not wearing seat belts can hit others or be thrown out of the vehicle, resulting in serious injury or death.



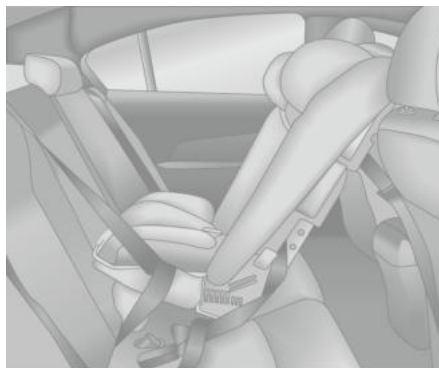
**!** Never let two children share a seat belt, otherwise, the seat belt will not be able to disperse the impact force correctly, which will cause serious casualties in the event of a collision.



**!** Never let a child put the shoulder belt behind the back, otherwise, it could cause severe injuries or death in a collision. The seat belt should go over the shoulder and across the chest.

## Instructions for child restraint system

### Rear-facing child seat



The rear-facing child seat has a backrest that fits closely with the children's back, thus providing optimum protection. The seat belt will hold the children in place so that they can stay in the child seat in a collision. It is recommended to install an ISOFIX fixed child seat that meets regulatory requirements or is recommended or certified by Riddara.

**!** Do not use a rear-facing child seat in a seat protected by a front airbag (activated)!

## Front-facing child seat



The front-facing child seat can protect the infant by binding the child with the restraint belt. It is recommended to use an ISOFIX fixed front-facing child seat that meets regulatory requirements or is recommended or certified by Riddara.

## Booster seat



The booster seat is a child restraint system designed to improve the applicability of the seat belt system.

## Installing child restraint system

Children and infants are safer when properly secured in child restraint system in the rear seat.

**!** When installing the child restraint system to the rear seat, please read the attached instructions to ensure that it is suitable for the vehicle and can be correctly installed.



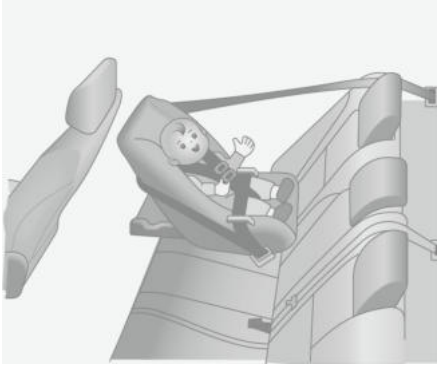
There are warning labels on the front and back of the front passenger's sun visor, indicating that the vehicle is equipped with a front airbag. Please observe the information on the labels.



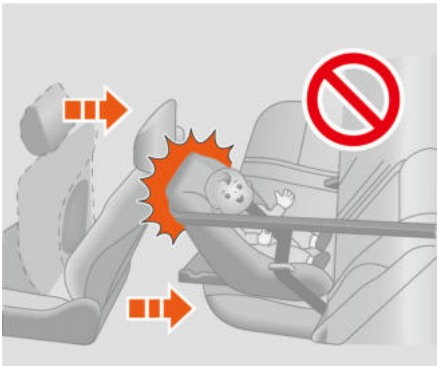


## Installing seat belt

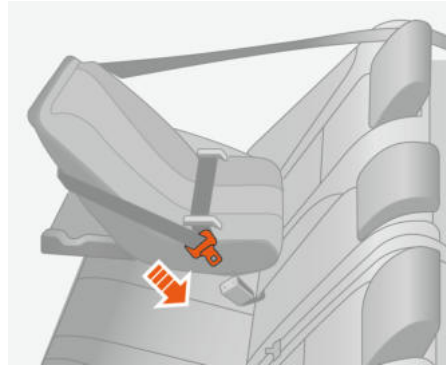
### Installing rear-facing child seat



The rear-facing child seat should be installed in a rear-facing position.

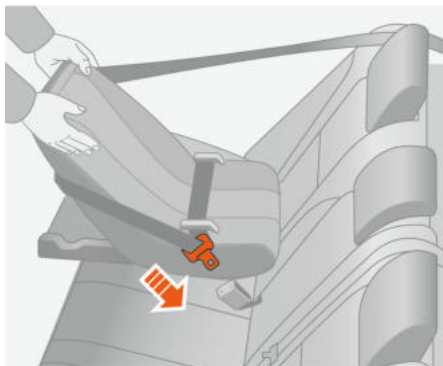


**!** Rear-facing child seat should not be installed in the rear seats if the installation of a rear-facing child seat would interfere with the adjustment of the front seats. Otherwise, during emergency braking or collision, it may cause serious injury even death to the child and front passenger.

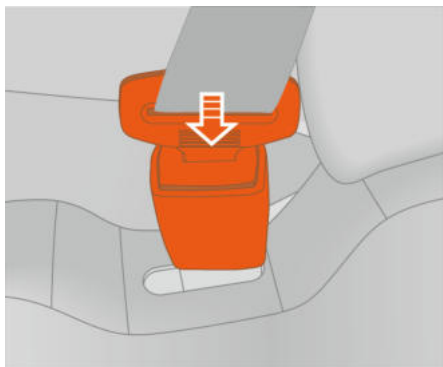


According to the instructions provided by the rear-facing child seat manufacturer, pass the seat belt through or around the rear-facing child seat, and insert the latch plate into the belt buckle, taking care not to twist the belt. Keep the seat belt tight.

**!** After inserting the latch plate, ensure that the latch plate and buckle are firmly locked and that the belt is not twisted. Do not insert coins, paper clips, and other objects into the belt buckle to prevent the obstruction of the latch plate and the belt buckle from latching properly. If the belt buckle is not working properly, go to a Riddara authorised service centre for inspection and repair immediately. Do not occupy the seat until the lock is repaired.



Push and pull the rear-facing child seat in different directions to ensure that it is secured.



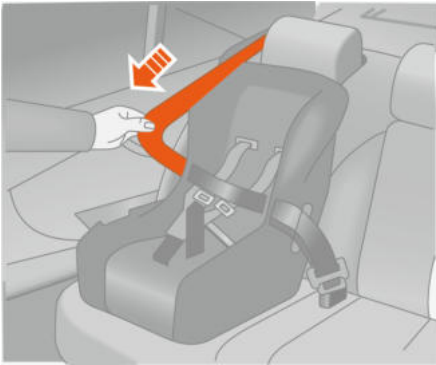
To remove the rear-facing child seat, press the release button.

### Installing front-facing child seat

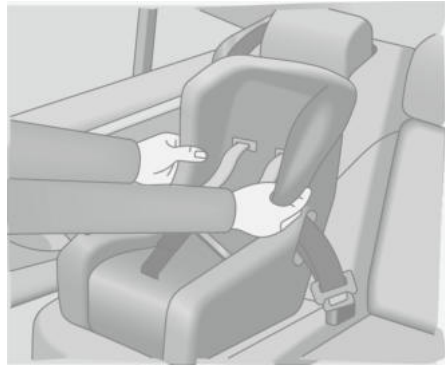
When installing a front-facing child seat, it is recommended to install it on the ISOFIX fixed point of the rear seat.



According to the instructions provided by the manufacturer, pass the seat belt through or around the front-facing child seat, and insert the latch plate into the belt buckle, please notice that the seat belt is not twisted, and pull the seat belt tight.

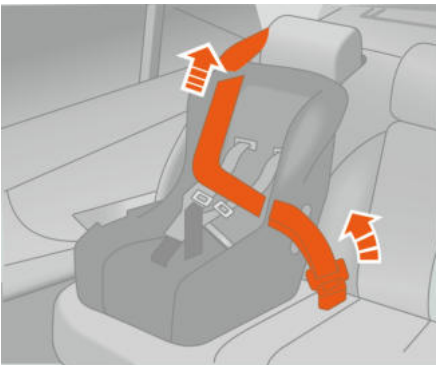


Pull the seat belt completely out to the locked position. When the seat belt retracts slightly, it cannot be pulled out again. Before it retracts, make sure it is locked so that the front-facing child seat is secured.

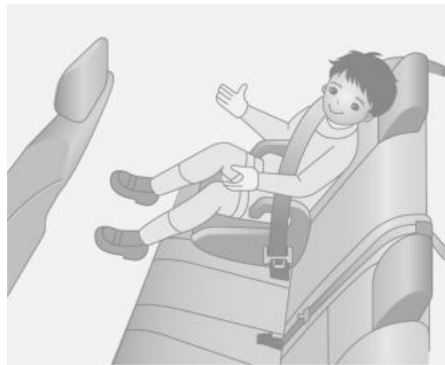


Push and pull the front-facing child seat in different directions to ensure that it is secured.

### Installing booster seat



When pressing the front-facing child seat towards the seat cushion and seat backrest, allow the seat belt to fully retract and secure the front-facing child seat tightly.



According to the instructions provided by the manufacturer, pass the seat belt around the child, and insert the latch plate into the belt buckle. Be aware that the seat belt shall not be twisted. Make sure that the seat belt crosses the child's shoulders and snug across the child's hips. For details, see the section "Seat Belt". To remove the booster seat, press the release button of the buckle.

**!** Make sure that the shoulder belt crosses the centre of the shoulder of the child. Keep the seat belt away from the child's neck, but do not place it underneath the child's shoulders and arms, as this could result in severe injury or fatality.

### Installing ISOFIX child restraint system



The special fixing interfaces specified in ISO is at the gap between the seat cushions and backrests of the two rear seats. These fixing interfaces are designed for securely attaching standard ISO-compliant child restraint systems to the rear seats. In this case, it is not necessary to secure the child restraint system with the seat belt. When installing and using a child restraint system, please follow the manufacturer's instructions to ensure optimal protection.

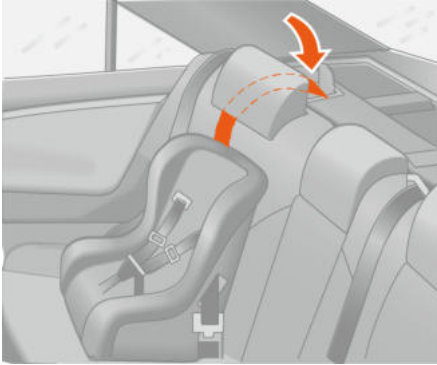
**!** It is essential to verify with the child restraint system manufacturer whether the seat is suitable for use in the specific vehicle model.

Install a child seat with a top tether (taking LACTH seat as an example) according to the following procedure:

1. Put the child seat on the rear seat.
2. Turn the child seat over.
3. Widen the gap between the seat cushion and seatback, and confirm the position of the ISOFIX interface near the safety buckle.
4. Hold the seat upright and align and insert the ISOFIX interface of the child seat into the interface behind the seat.
5. Check if the buckle is correctly locked.



6. Raise the head restraint to its highest position, then pass the fastening strap through the head restraint and lock it to the hooks in the back.



7. Tighten the LATCH seat belt.



8. Adjust the head restraint to the lowest position to press down on the LATCH seat belt.
9. Make sure any unused seat belt that a child can reach is buckled.

**i** Make sure the top tether is tightly fastened and push and pull the child restraint system in different directions to check whether it is fixed. It must be installed according to the instructions provided by the manufacturer. If the child restraint system is not installed to the ISOFIX fixing points correctly, it may not work properly, resulting in serious injury or death to the child. Always observe the manufacturer's instructions when installing the child restraint system.

**i** Child restraint system fixing points are designed only to carry loads imposed by a properly installed child restraint system. Do not use them for securing seat belts, wiring harnesses or other items and equipment under any circumstances. Be sure to install a child restraint system when the vehicle is stationary. When the ISOFIX child restraint system is properly fixed to the ISOFIX fixing points, a "click" sound will be heard.



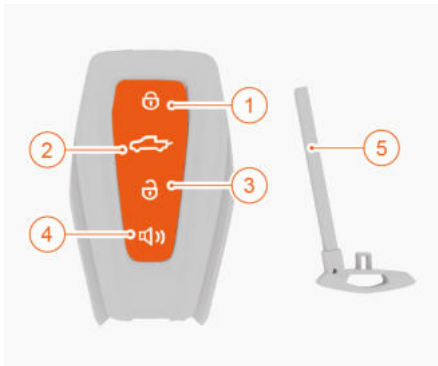
## Key

### Smart key

#### Introduction to key buttons

The smart key has been matched to the vehicle system. If the smart key is lost, damaged, or stolen, please contact a Riddara authorised service centre as soon as possible. Its control functions such as starting, locking and unlocking will be deactivated. If it is found back, the Riddara authorised service centre can reactivate its functions.

**i** The new smart key cannot be provided to you immediately. It takes some time for the Riddara authorised service centre to match a new smart key with your vehicle.



1. Lock button
2. Tailgate unlock button
3. Unlock button
4. Vehicle locating button
5. Mechanical key



Please carry the key with you when leaving the vehicle. If the key is left in the vehicle and the start switch is on, it may lead to danger or unauthorised or accidental use of the key.

Please keep a spare smart key in a safe place and do not leave it in the vehicle.

#### Taking mechanical key out



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

#### Replacing smart key battery

When the smart key is very close to the vehicle but cannot control the vehicle, or when the vehicle fails to recognize the smart key due to a low battery, the battery in the smart key needs to be replaced:

1. Take out the mechanical key, gently insert it into the middle of the opening, and then hold the handle to pry open the back cover of the key.



2. After opening the smart key case, replace with a new battery and make sure that the positive electrode of the battery is in the correct position (Model of battery for smart key: 3V, CR2032).



3. Snap the two halves of the smart key case into place.



The smart key is equipped with precise circuit that must be protected against shock, water, heat, humidity, direct sunlight, solvents, waxes and scrubbing agents.



Due to the inherent characteristics of the battery, it's advisable to avoid prolonged exposure to cold environments. Extended exposure to low temperatures can trigger a low battery warning, which may impact both the smart key's functionality and the vehicle's operation.



If the smart key is interfered with other signals, the vehicle may experience issues such as not detecting the key, being unable to start, unlock, or lock.

- The smart key is covered by metal objects, for example, when being placed together with mobile phones with metal protective cases.
- The smart key is placed next to the accessory power supply or within the range where it is disturbed when external devices and equipment are working with an accessory power outlet.
- The smart key is placed next to electronic products with strong interference, such as laptops, Bluetooth headsets, working power conversion heads with chargers, Bluetooth access cards, walkie-talkies, and other devices with strong interference.



## Immobiliser system

### Drive motor theft prevention

The vehicle is equipped with a passive anti-theft system. The system does not need to be manually activated or deactivated. The motor deactivating system is automatically deactivated when the start switch is pressed and a valid smart key is found in the vehicle. If the drive motor does not start by either of the following methods, please contact a Riddara authorised service centre.

- Try using other smart keys.
- Start by placing the smart key in the designated position. For details, refer to "Start Operations".



Do not leave the smart key in the vehicle.

If the smart key is interfered with by other signals, the vehicle may not start. For detailed information, refer to "Smart Key".

When the anti-theft system is activated but cannot be deactivated, the vehicle will issue an alarm notification.

## Vehicle locking and unlocking

### Locking and unlocking

#### Smart key



Smart keys only work within certain limits. For safety reasons, always verify the success of the vehicle locking operation.

When the start switch is in the OFF position and all doors are closed, the vehicle can be locked with the smart key.

If the unlocked vehicle is parked for a long time, it may cause the low-voltage battery of the vehicle to run out of power and prevent the vehicle from starting.



When the smart key or central lock fails, the left front door can be unlocked or locked with the mechanical key.

### Remote locking and unlocking

#### Unlocking

Click on the multimedia display step by step: My car → Smart lock → Door unlock and lock mode, and then select the driver door in the secondary interface. When you short-press the unlock button on the smart key for the first time, the driver door unlocks, the rearview mirror unfolds, and the turn signal lamp flashes three times. When you short-press the unlock button on the smart key again, the four doors unlock and the turn signal lamp flashes three times.

#### Locking

Short-press the lock button on the smart key. Then, the four doors lock, and the turn signal lamp stay on for a few seconds. In the event that any of the four doors is not closed, when you press the lock button on the smart key, the vehicle sounds an alarm and the turn signal lamp flashes to remind the driver.



Never leave smart keys inside the vehicle or where children can access them. Children might accidentally operate vehicle controls like parking brakes or window controllers, which could result in serious injuries or fatalities.

## Keyless access system



- The keyless access function requires the start switch to be in the OFF position with all doors closed for use.
- When the vehicle is in a substation, mobile phone base station, TV tower, charging pile and other interference environment, the keyless access function may fail. When the function fails, please use the mechanical key to lock or unlock.
- When electronic devices such as mobile phones, laptops, Bluetooth headphones, and Bluetooth access cards are placed together with the smart key, the keyless access function may fail. When the function fails, keep the smart key at a certain distance from the electronic devices. You can also lock or unlock the device with a mechanical key.
- After repeatedly unlocking and locking the vehicle, the door lock system will automatically enter the protection state, and the operation will be unresponsive. After dozens of seconds, the door lock can respond to unlock or lock action again.
- When the smart key battery is too low, the keyless access function may fail. It's necessary to use

mechanical key to unlock or lock the door on the driver side, and promptly go to a Riddara authorised service centre to replace the smart key battery.

### Keyless unlocking

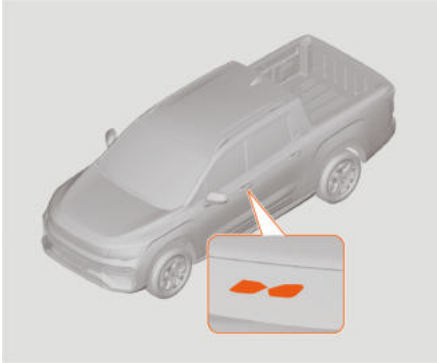


#### Unlock sensor area

When you approach the vehicle with a valid smart key, simply place your hand in the unlock sensor area on the driver door handle. This action will trigger the automatic unlocking of all four doors. Pull the door handle, and the door will open effortlessly. Once all four doors are unlocked, the turn signal lamps will flash three times.

- i** If your vehicle's passenger door is equipped with a keyless access system, the passenger door can also be unlocked keylessly. If the vehicle remains unused for an extended period, approximately one week, this feature will automatically deactivate. To reactivate the system, simply restart the vehicle. Additionally, if the driver carries the smart key and remains in close proximity to the vehicle without any vehicle-related actions for several minutes, this feature will also automatically deactivate. In this case, alternative methods can still be used to unlock the vehicle.

## Keyless locking



## Lock sensor area

When you approach the vehicle with a valid smart key, simply place your hand in the lock sensor area on the driver door handle. This action will trigger the automatic locking of all four doors. When the vehicle is locked, the turn signal lamps will flash once.

- i** If your vehicle's passenger door is equipped with a keyless access system, the passenger door can also be locked keylessly. If the vehicle remains unused for an extended period, approximately one week, this feature will automatically deactivate. To reactivate the system, simply restart the vehicle. Additionally, if the driver carries the smart key and remains in close proximity to the vehicle without any vehicle-related actions for several minutes, this feature will also automatically deactivate. In this case, alternative methods can still be used to unlock the vehicle.

## Locking and unlocking using mechanical key

- !** In case the smart key or central control button fails, the door can be unlocked or locked by the mechanical key. The door check needs to be greased regularly, or the opening and closing of the door may make an abnormal noise.

## Locking and unlocking driver door using mechanical key

1. Take out mechanical key from smart key.



2. Lift the cover of the driver's door lock and remove it, then insert the mechanical key into the keyhole.



3. Insert the mechanical key into the driver's door lock and turn the mechanical key to unlock/lock the door.

Locking front passenger door and rear doors using mechanical key



In case of vehicle power failure, the mechanical key can be used to lock the front passenger side door and rear doors follow the steps below:

1. Take out mechanical key from smart key.
2. Insert the mechanical key into the groove at the door lock latch, and push it downward.

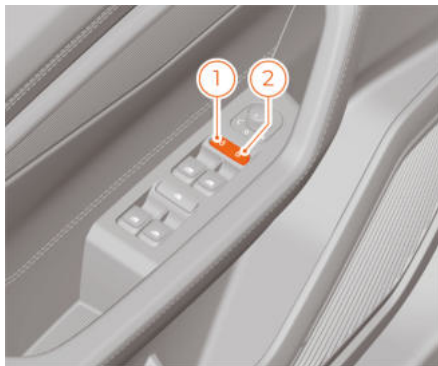
3. Pull out the mechanical key and close the door to complete the locking process.

### Locking and unlocking from inside

#### Type 1



#### Type 2



1. Unlock button
2. Lock button

When all four doors are closed, press the lock button to lock all doors.

When all four doors are locked, press the unlock button to unlock all doors.



The unlocking of the central control button in the vehicle can only be executed in the anti-theft release state.

## Automatic locking and unlocking

### Automatic relocking

Unlock all four doors using smart key/Keyless Access while the vehicle is locked. If the four doors are not opened within 30 seconds, the vehicle automatically locks.

### Automatic door locking while driving

When the start switch is in the ON position and the vehicle speed is greater than 20 km/h (Actual speed), the four doors will be automatically locked.

### Reminder to unlock when key left inside vehicle

When the start switch is in the OFF position and the key is left inside the vehicle, if you exit and close the door while attempting to lock it using Keyless Access, the vehicle will provide a reminder that the key is inside and prevent locking. If you use another key to lock the vehicle, it will also provide a reminder that a key is inside and disable locking until the forgotten key is removed. To re-enable the previously disabled key inside, simply unlock the vehicle with a key.

### Automatic unlocking on power off

After the vehicle is automatically locked, if the vehicle is stopped and the start switch is turned off, the doors are automatically unlocked.

### Automatic unlocking on collision

In the event of a severe collision during driving, all four doors will automatically unlock, allowing occupants to quickly exit the vehicle.

## Vehicle locating function

When you cannot confirm the location of your vehicle, you can use this function to find the specific location of your vehicle.

The start switch is in the OFF position and the door is closed and locked, quickly short-press the vehicle locating button on the smart key twice to activate the vehicle locating function and remind you of the vehicle's location.

## One-click window opening function

When you need to open the window in advance, press and hold the unlock button within the effective range of the smart key, and the window will open automatically.

## One-click window closing function (If equipped)

When you need to close the window in advance, long press the lock button

within the effective range of the smart key, and the window will close automatically.

### Opening and closing cargo compartment tailgate

Unlocking cargo compartment tailgate from inside (if equipped)



When the vehicle is stationary and the external anti-theft alarm system is disarming, short-press the tailgate opening switch to pre-unlock the tailgate, and press the tailgate unlocking switch within 30 seconds to open the tailgate.

### Central unlocking of cargo compartment tailgate (Type 1)



### Central unlocking of cargo compartment tailgate (Type 2)



When the vehicle is stationary and the external anti-theft alarm system is disarming, press the central unlocking switch to pre-unlock the tailgate, and press the tailgate unlocking switch to open the tailgate.



There is no time limit after the central locking pre-unlocks the cargo compartment tailgate.



### Unlocking cargo compartment tailgate using smart key



When the vehicle is stationary and the external anti-theft alarm system is disarming, short-press the tailgate opening switch on the smart key to pre-unlock the tailgate, and press the tailgate unlocking switch within 30 seconds to open the tailgate.

#### Deactivating pre-unlock

During the pre-unlock timing period, central locking will stop the pre-unlock timing. Pressing the tailgate unlocking switch cannot open the tailgate.

#### Closing cargo compartment tailgate



Lift the edge of the tailgate, and force the tailgate forward to lock it. After closing the cargo compartment tailgate, verify that it is fully locked by trying to push and pull the upper edge of the cargo compartment tailgate.

**i** If your vehicle is equipped with a cargo canopy, ensure that the cargo canopy is open before closing the tailgate. Only close the cargo canopy after ensuring that the tailgate is securely closed. Failure to do so may damage the cargo canopy sealing system.

### Door handle



When the door is unlocked, you can open the door by using the inner or outer handle.

### Child safety lock



The left and right rear doors of the vehicle are equipped with child safety locks. When there are children sitting in the rear seats on either side, please use the child safety locks.

The child safety lock switch is located on the outer edge of the rear door. Insert the mechanical key into the child safety lock and rotate it in the direction shown in the diagram. This will place the child safety lock in the "open" position, preventing the doors from being opened from the inside of the vehicle. For the safety of child passengers, the doors can only be opened from the outside.



After setting the child safety lock, be sure to test whether you can open the door from inside the vehicle to ensure that the child safety lock is working properly.

### Vehicle start

#### Start switch (keyless start)



The vehicle is equipped with a start switch for push-button start. To activate the system, the smart key that matches the vehicle must be in the vehicle and detected.

The status of the start switch includes:  
OFF: The vehicle is turned off when the switch is in this position. When the start switch is in the OFF mode, the vehicle can be started by depressing the brake pedal and pressing the start switch.



If the push-button start does not work, it may be because the vehicle is near a strong electromagnetic field, which interferes with the keyless start.

ACC: This position allows the use of some of the electrical appliances when the vehicle is not started. When the vehicle is not started, pressing the start switch once without depressing the brake pedal will set the start switch to

the ACC position. When the start switch is in the ACC mode, by depressing the brake pedal and pressing the start switch, you can start the vehicle to turn it into a drivable state.

ON: when the start switch is in the ACC position, press the start switch once, without depressing the brake pedal, the start switch will be shifted to the ON position. When the start switch is in the ON power mode, press the switch and the switch returns to the OFF position.

START: This position is for starting the vehicle.



Do not leave the smart key in the vehicle or within the reach of children, as children may operate the vehicle with the key, resulting in serious injury or death.

## Start operation

Depress the brake pedal and press the start switch to start the vehicle. If the smart key is not inside the vehicle or is subject to some interference, the instrument cluster displays a reminder that the key has not been detected. If the battery in the smart key needs to be replaced, see the “Replacing Smart Key Battery” section in this chapter.



As long as all start conditions are met, the vehicle will start after the start switch is pressed. After the vehicle starts, the READY indicator on the instrument cluster lights up, and the vehicle is ready for driving.



When electronic devices such as mobile phones and laptops are placed together with the smart key, the keyless entry function may fail. When the function fails, keep the smart key at a certain distance from the electronic devices. Please try to place the smart key near the armrest box of the console.

## Backup start function

When the vehicle is in a strong signal interference area, the smart key battery is low, or the keyless start function fails, if you try to start the vehicle and press the start switch, the instrument cluster may have a text message indicating that the vehicle cannot be started through the push-button start procedure.

Please follow the steps below to start the vehicle:



1. Move the electronic shift lever to Park (P) or Neutral (N) position.
2. The smart key is placed flat in the stowage compartment below the front centre armrest with the key sign.
3. Depress the brake pedal.
4. Press the start switch.

### Vehicle start failure

Before carrying out the inspection, it is necessary to start the vehicle in accordance with the correct starting procedure, and confirm whether the power battery and low-voltage battery have enough power.

The vehicle is equipped with electronic anti-theft system. Check whether other smart keys can start the vehicle. If the vehicle can be started, the smart key may be faulty. Hand over the smart key to a Riddara authorised service centre for inspection and repair. If all smart keys fail, the system may fail. Contact a Riddara authorised service centre for inspection and repair as soon as possible.

If the vehicle occasionally fails to start:

1. Check whether the low-voltage battery terminals are tightened and clean.
2. If there is no problem with the terminals of the low-voltage battery, turn on the interior lamps. When starting the vehicle, if the interior lamps do not light up, dim, or go out, it indicates that the low-voltage battery has run out of charge. You can try to jump starting the vehicle, please refer to the “Jump Start” section in “Faults on the Road”.



If the interior lamps are in normal condition, but the vehicle does not start, please contact a Riddara authorised service centre for inspection and repair.

### Driving

In the following cases, special attention should be paid to the lower positioned parts on the vehicle to avoid scratching the vehicle chassis.

- When driving on roads in poor conditions.
- When driving over the road edge.
- When driving on steep slopes.



Special care should be taken when the vehicle is fully loaded.

### Breaking-in new vehicle

Breaking-in a new vehicle is mainly to improve the surface quality and friction

and wear status of the moving parts, extend the service life and reduce the power consumption. During the break-in period of a new vehicle, the following requirements should be complied with when using it:

- Avoid depressing the accelerator pedal to the bottom when starting and driving.
- In the break-in period, the vehicle should run on flat roads rather than muddy or sandy roads.
- Avoid idling the drive motor.
- Avoid rapid acceleration.
- Avoid emergency braking within the first 300 kilometres.
- Do not drive at the same speed for a long time.

## When driving the vehicle

1. Depress and hold the brake pedal, shift the gear from N to D, and the shift position indicator on the instrument cluster will display D.
2. Release the electronic parking brake.
3. When you release the brake pedal, the vehicle begins to creep. After gently depressing the accelerator pedal, the vehicle officially begins its journey.
4. To accelerate the vehicle, gradually depress the accelerator pedal. To drive at a constant speed, depress and hold the accelerator pedal at a certain opening.
5. If braking, depress the brake pedal.

6. To reverse the vehicle, depress the brake pedal until the vehicle comes to a steady stop and remains stationary, then move the electronic shift lever to the R position, release the brake pedal and lightly depress the accelerator pedal.



To avoid losing control of the vehicle, do not depress the accelerator pedal during a gear shift.



Do not depress the brake pedal and accelerator pedal at the same time.



Avoid emergency braking during driving. Decelerate the vehicle as much as possible when turning a corner, and avoid sharp turns.



When the vehicle is in READY state and the electronic shift lever is in D position, be sure to depress the brake pedal or use the parking brake; otherwise, the vehicle will creep. When parking and leaving the vehicle, always use the parking brake and move the electronic shift lever to P position.

## Eco driving

Vehicle driving range and power battery capacity are affected by driving habits, storage conditions, charging methods, power battery temperature, etc. Good usage habits and driving style can improve the vehicle's driving range.

## Starting and driving

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1. Smooth start and acceleration: The power consumption is high during starting and acceleration. When driving, avoid starting and accelerating the vehicle by depressing the accelerator pedal sharply as much as possible. Smooth starting and acceleration are beneficial for saving power.
2. Avoid unnecessary braking: Control the following distance from the vehicle in front and try to avoid frequent braking. Slow down at red lights and allow the vehicle to slide to avoid sudden braking.
3. Keep the vehicle's wind resistance low: Opening windows at high driving speeds can significantly increase the vehicle's wind resistance, leading to higher power consumption. Keep the windows closed when the vehicle speed is above 80 km/h.
4. Maintain the correct tyre pressure: Check the tyre pressure regularly. Too low tyre pressure may increase the tyre rolling resistance and lead to increased power consumption.
5. Minimize the use of air conditioner: Both cooling and heating modes of the air conditioner will accelerate the power consumption of the power battery. Please use the air conditioner when necessary. Windows can be opened for ventilation at low speeds. It is more energy efficient to select the recirculation mode when using the air conditioner.
6. Reduce the vehicle load: Every extra kilogram of weight can increase power consumption. Regularly clear unnecessary luggage and items on the vehicle.
7. Plan the driving route: Optimize the route and try to avoid congested roads. This saves time and reduces power consumption.
8. Do not arbitrarily change the size of the tyres: Using larger or wider tyres can lead to higher power consumption.
9. Drive mode selection: Using ECO mode while driving can reduce the power consumption of the vehicle and increase the driving range. On the contrary, choosing the SPORT mode will increase the power consumption of the vehicle and shorten the driving range.



When driving the vehicle, it is necessary to ensure safe driving and comply with traffic laws and regulations, and avoid disrupting others or the flow of public traffic.

## Parking on combustibles



Do not park on paper, leaves, hay, or other flammable materials; otherwise, fire and accidents can be caused by the contact of combustible materials with high-temperature parts of the vehicle.

## Driving with care

First of all, fasten the seat belt.

**!** Defensive driving: The driver can accurately "foresee" the danger caused by other drivers, pedestrians, bad weather or poor road conditions during driving, and can take necessary, reasonable and effective measures in time to prevent accidents.

**!** Pay special attention to pedestrian safety, as electric vehicles are less noisy and pedestrians may not be aware when the vehicle is approaching. Anticipate risks in advance and be prepared.

**!** Before driving, please confirm that the charging port flap is fully closed and the charging cable is disconnected.

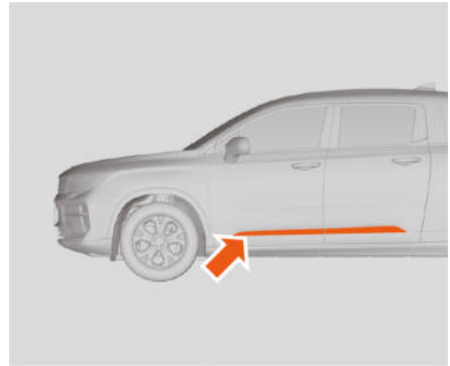
**!** Before driving, please check the driving range on the instrument cluster to confirm whether the remaining SOC of the power battery can meet the driving demand. If the battery is low, please charge it in time.

**!** Keep a safe distance and concentrate on driving. Distracted drivers may cause a collision, leading to injury or death.

## Drunk driving

**!** Drunk driving is very dangerous. Alcohol affects drivers' judgement, muscle coordination, vision and concentration. Drunk driving not only causes accidents but also leads to serious personal injuries and death. The traffic department will punish drunk driving in accordance with the provisions of the Road Traffic Safety Law.

## Driving through water



To avoid damage to the vehicle when driving through water (e.g. driving on flooded roads), observe the following points:

1. Determine the water level before driving through water. When driving through static waters, the water level must not exceed 450 mm (at the approximate position shown in the illustration).
2. If the water level exceeds 400 mm, the vehicle speed should be kept below 7 km/h. Be aware that water waves may make the wading depth

exceed the maximum permissible limit for the vehicle, causing a failure to drive the vehicle properly or damaging the vehicle.

3. When driving through non-static waters, especially against the direction of water flow, the maximum permissible wading depth and the vehicle speed should be less than the above values, and the vehicle should be driven under the premise of ensuring safety.
4. Check the vehicle immediately after driving through water while ensuring safety:
  - Gently depress the brake pedal and check the brakes for proper functionality;
  - Check the horn for proper functionality;
  - Check all lighting devices of the vehicle;
  - Check for normal steering functionality;
  - Drive the vehicle to the nearest service provider for a routine check.
5. Driving through water is not a part of regular driving and should be avoided as much as possible.



- When driving through water or on muddy roads, the braking effect may be affected and the braking distance may be extended, increasing the risk of accidents!
- Avoid sudden emergency braking operations immediately after driving through water.
- The brakes must be cleaned and dried by intermittent braking after driving through water.
- Make a detour and never drive through forcibly in case of deep waterlogging, high flow rate or unidentified water level.





- The wave caused by the oncoming vehicle may exceed the vehicle's allowable water level.
- Potholes, mud puddles or stones may be hidden in the water. They can increase the difficulty in or obstruct driving through water.
- Driving continuously in deep water for more than 500 m or staying in the water for a long period can reduce the vehicle's waterproofing and sealing performance or cause potential damage.
- Do not drive through salt water. Salt can cause rust and corrosion in vehicles. Immediately flush all vehicle parts that have been in contact with salt water with fresh water.

It is recommended to go to a Riddara service centre for a comprehensive inspection of the vehicle after driving through water, in order to check for hidden dangers and ensure driving safety.

remains stationary, then move the electronic shift lever to P position.



Never leave children or people with disability in the vehicle. They may release the parking brake, manipulate the electronic shift lever and cause the vehicle to move, resulting in personal injury or death.

### Requirements for use of vehicle left unused for too long

If the vehicle is left unused for a long time, always have it serviced regularly. If you fail to do so, the performance of the power battery may degrade.

- In summer, park the vehicle in a cool place, try to avoid direct sunlight, and keep the vehicle away from heat sources.
- If the vehicle is left standing for a long time, the SOC should be maintained at 50% - 80% (about 50% is optimal).
- Full charging maintenance must be carried out every three months. After full charging, run the vehicle or directly turn on the air conditioner or other high-power appliances for power consumption until the SOC decreases to 50% - 80% before continuing to store the vehicle.
- The vehicle has an intelligent charging function. When the start switch is in the OFF position and the low-voltage battery is low, the vehicle will automatically charge it.

### Stopping or parking

- The vehicle should be parked on a road that is flat, solid, safe and does not affect the passage of other vehicles.
- To stop the vehicle, depress the brake pedal before using the electronic parking brake until the vehicle slowly comes to a stop and

- When using a vehicle that has not been used for a long time (more than two weeks) for the first time, please confirm whether the instrument cluster gives an alarm. If there is an alarm, please contact a Riddara authorised service centre for maintenance as soon as possible.

### Noise and vibration

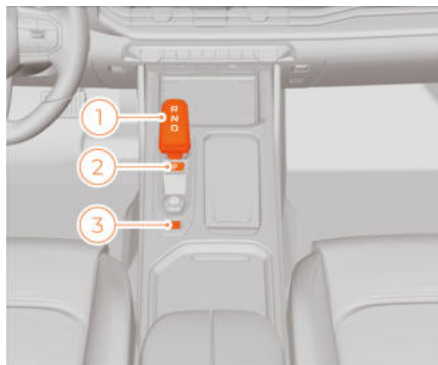
When driving an electric vehicle, you will hear or feel noises and vibrations different from those of a conventional fuel vehicle. The following noises and vibrations are normal:

- Noise during operation of drive motor and reducer.
- Noise generated when the compressor and cooling fan of the electric air conditioner are running.
- Noise and vibration generated by opening and closing of relay when switching on/off the high-voltage system.
- The sound of the pedestrian warning system when the vehicle is moving at a low speed.
- Noise from the water pump and cooling fan during charging.

## Automatic shifting

### Electronic shift lever

#### Electronic shift lever



1. Electronic shift lever
2. Gear P button
3. Drive mode switch (if equipped)


## Gears

### P (Parking)

Assisted parking function is activated when the gear is in Parking (P) position. When the vehicle is stationary, press the P button to engage the parking (P) gear.

To shift Parking (P) into Neutral (N), you must depress the brake pedal and push the electronic shift lever forward or backward to shift into Neutral (N).

To shift from Parking (P) into Drive (D) when the vehicle is started, you must shift into Neutral (N), then depress the brake pedal and pull the electronic shift lever backward to shift into Drive (D).


 When the vehicle shifts from the starting state to the non-starting state and the electronic parking brake is applied, the reducer will automatically shift into Parking (P).

## D (Driving)

This gear position is applied for normal driving.

When the electronic shift lever is in Drive (D), if the brake pedal is released and the parking brake is disengaged, the vehicle will begin to creep at a speed of approximately 7 km/h.

When the vehicle is stationary and already started, if you want to shift Drive (D) into Parking (P), you only need to press the P button without pushing the electronic shift lever. To shift from Drive (D) into Neutral (N), simply push the electronic shift lever forward.


 If the slope is steep, the vehicle may not be able to creep or even reverse.

When the vehicle is stationary and already started, if you want to shift from Reverse (R) to Neutral (N), you only need to pull the electronic shift lever backward.

## N (Neutral)

When the electronic shift lever is in Neutral (N), the drive motor is unable to output power.

When the vehicle is stationary and already started, if you want to shift from Neutral (N) into Reverse (R) or Drive (D), you must depress the brake pedal and push the electronic shift lever forward to shift into Reverse (R) or pull the electronic shift lever backward to shift into Drive (D).

 The instrument cluster indicates the current gear position.

## R (Reverse)

This position stands for moving backwards.

When the electronic shift lever is in Reverse (R), if the brake pedal is released and the parking brake is disengaged, the vehicle will begin to creep at a speed of approximately 5 km/h.

### Instructions for use


#### Gear shifting

##### Parking

When it is necessary to park: When the vehicle is completely stopped, switch the electronic shift lever to Neutral (N) and press the P button.

##### Drive

To start the vehicle, depress the brake pedal, switch the electronic shift lever to Drive (D), then release the brake pedal and lightly depress the accelerator pedal.

 Engage the gear first before depressing the accelerator pedal. Do not depress the accelerator pedal while engaging the gear or engage the gear after depressing the accelerator pedal.

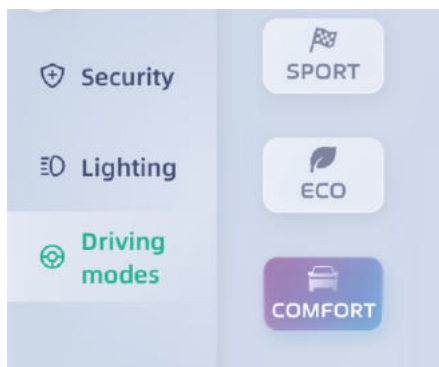
##### Reverse

When the vehicle is completely stopped, depress the brake pedal, switch the electronic shift lever to Reverse (R), then release the brake pedal and lightly depress the accelerator pedal.

#### Drive mode (if equipped)

##### Comfort mode

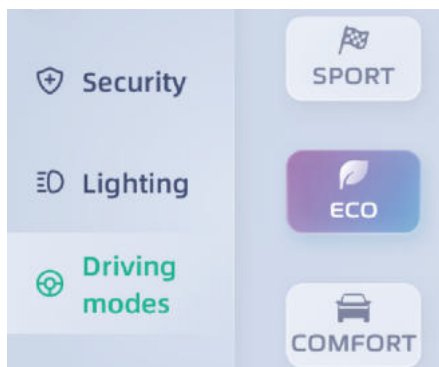
Comfort mode is the default drive mode of the vehicle.



Tap Vehicle Settings → Drive Mode on the multimedia display screen and select Comfort Mode. The comfort mode indicator lamp on the instrument cluster will light up, indicating that the vehicle is in COMFORT mode.

##### ECO mode

In the ECO mode, priority should be given to the economy of power usage, ensuring driving quality while reducing power consumption.

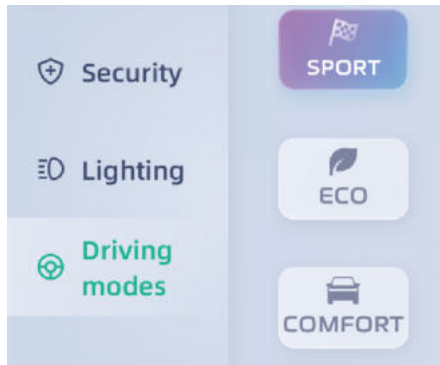


Tap Vehicle Settings → Drive Mode on the multimedia display screen and select ECO Mode. The economic mode

indicator lamp on the instrument cluster will light up, indicating that the vehicle is in ECO mode.

### Sport mode

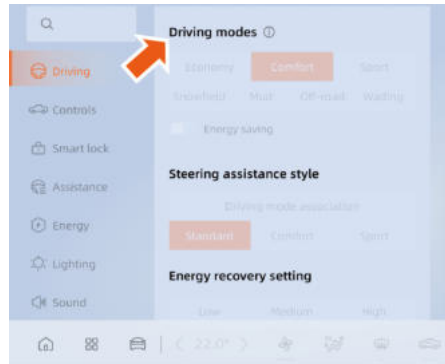
Sport mode is applicable when you want your vehicle to get strong power. In this mode, the control system will provide the vehicle with better power performance and optimize acceleration performance by rapidly increasing output power. However, this is accompanied with increased power consumption and shortened driving range.



Tap Vehicle Settings → Drive Mode on the multimedia display screen and select Sport Mode. The sport mode indicator lamp on the instrument cluster will light up, indicating that the vehicle is in SPORT mode.

## Drive mode (if equipped)

### Entry (Type 1)



Click on the multimedia display step by step: My car → Driving → Drive mode. On this screen, you can select one mode from ECO, COMFORT, SPORT, SNOW, MUD and OFF-ROAD, or turn on or off ECO.

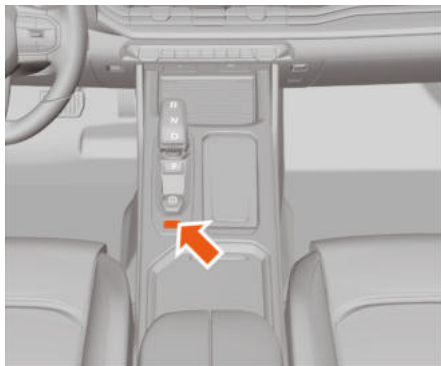
### Entry (Type 2)



Pull down the multimedia display screen from the top left to open the control centre, and click "Drive Mode Switching" to enter the drive mode switching screen under "My car". On this screen, you can select one mode

from ECO, COMFORT, SPORT, SNOW, MUD and OFF-ROAD, or turn on or off ECO.

### Entry (Type 3)



By pushing forward or backward the drive mode switch on the console, you can switch the drive mode among ECO, COMFORT, SPORT, SNOW, MUD and OFF-ROAD.

#### Comfort mode

The Comfort mode tries to balance between economy and driving power.

#### ECO mode

In the ECO mode, priority should be given to the economy of power usage, ensuring driving quality while reducing power consumption.

#### Sport mode

In the Sport mode, the control system will provide the vehicle with better power performance and optimize acceleration performance by rapidly increasing output power. However, this is accompanied with increased power

consumption and shortened driving range.

#### Snow mode

The Snow mode applies to slippery roads with hard texture but soft surface, such as roads covered with thin snow, icy roads, hard roads covered with gravel or thin sand layers. It can reduce the slippage tendency, intervene in the attitude of vehicle as appropriate, and provide a relatively stable torque output. A stability control strategy for snow-covered terrain improves the driving and riding experience under such road conditions.



- Snow mode is recommended to be used with snow tyres in order to attain better performance.
- This mode can achieve the performance-enhancing effect only on the above-mentioned special roads. It is not recommended to drive on worse roads. Do not drive at high speeds or without caution on the above-mentioned roads. Please drive carefully.

#### Mud mode

The mud mode applies to muddy roads with ruts or hard base. Strong power and insensitivity to braking in this mode are conducive to high-speed

rotation of wheels. The stability control strategy for muddy terrain endows the vehicle with higher capability of traction (getting unstuck) while driving on such roads so that the vehicle can be prevented from getting stuck in the mud.



- The vehicle working in this mode is not sensitive to stability control and traction control. Emergency braking or acceleration on low-adhesion roads is not recommended because there is a potential risk of drifting.
- Starting on soft sandy roads in this mode is not recommended. Slamming on the accelerator pedal to start the vehicle may pose a risk of getting stuck.
- Hill descent control (HDC) is recommended to be enabled when driving on long downhill road sections in this mode.
- Replacing with all terrain (AT) tyres is recommended in the mud mode. This allows the vehicle to have better performance in this mode.
- This mode can achieve the performance-enhancing effect only on the above-mentioned special roads. It is not recommended to drive on worse roads. Do not drive at high speeds or without caution on the above-mentioned roads. Please drive carefully.

### Off-road mode

The off-road mode applies to light-duty off-road conditions such as loose gravel, bumpy surface, sandy soil,

shallows of river channels, and hard uphill/downhill slopes. Strong power and sensitivity to braking are conducive to the vehicle's power control. A stability control strategy for off-road conditions is applied to this mode. This mode optimizes the responsiveness of accelerator pedal and traction and stability control, thereby improving the performance of the vehicle in off-road conditions.



- The vehicle working in this mode is sensitive to traction control and stability control. There are potential risks of outputting too much power or moving too far forward. Please be cautious of operations such as rapid acceleration.
- Brake wheel locking and dragging may occur when driving on slippery downhill slopes. Please be cautious of emergency braking, emergency steering, and other dangerous operations.


- Driving below 40 km/h is recommended in the off-road mode. Even lower speed is recommended when driving on bad roads.
- Replacing with all terrain (AT) tyres is recommended in the off-road mode. This allows to the vehicle to have better performance in this mode.
- Hill descent control (HDC) is recommended to be enabled when driving on long downhill road sections in this mode.
- This mode can achieve the performance-enhancing effect only on the above-mentioned special roads. It is not recommended to drive on worse roads. Do not drive at high speeds or without caution on the above-mentioned roads. Please drive carefully.
- The off-road mode does not apply to grounds with deep sand layer where the vehicle has a risk of getting stuck.





## Brake and electric assist system


### Service brake

The braking distance of the vehicle in motion may vary depending on road conditions, vehicle weight and braking force imposed. Maintain an adequate distance from the vehicle ahead and do not perform cadence braking and emergency braking.

 Do not add non-genuine accessories, which may affect vehicle performance and cause traffic accidents.

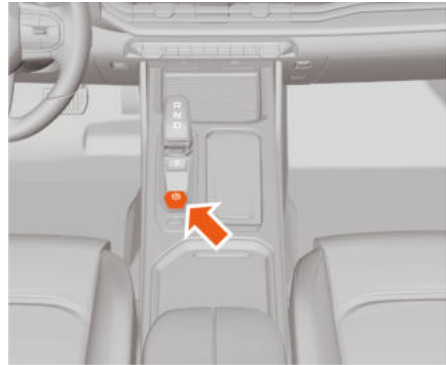
 If a high-pitched screech is heard at the brake of the vehicle, you should contact a Riddara authorised service centre immediately for service.

 Do not place your foot on the brake pedal while driving normally. Otherwise, it will cause wear and tear and overheating of the brake parts, as well as extended braking distance.

 When driving downhill on long or steep slopes, simply use the brake pedal to maintain a safe and constant speed. Do not depress the brake pedal too frequently; otherwise, the brake is likely to fail.

## Parking brake

### Electronic parking brake (EPB)



### Manual release of EPB


When the start switch is in the ON position and the electronic shift lever is not in the P position, depress the brake pedal and simultaneously press the EPB switch to release the EPB. The EPB switch indicator lamp will go off.

### Automatic release of EPB

Start the vehicle, close the driver's side door, and fasten the seat belt. Depress the accelerator pedal when the vehicle is in Drive (D) position, the EPB will be automatically released and the EPB switch indicator lamp will go off.

### Manual parking by EPB

When the start switch is in the ON position, pull up the EPB switch as the vehicle is stationary, and the EPB switch indicator is turned on. At this point, the manual parking is completed.


 Once the EPB is enabled, the parking brake warning lamp on the instrument cluster is on. If the warning lamp fails to illuminate, contact a Riddara authorised service centre for service as soon as possible.


### Automatic parking by EPB


When the vehicle is stationary, shift the start switch to the OFF position or power off the vehicle or shift it to the P position, and the EPB automatically parks the vehicle.

### Disabling the EPB automatic parking function (car washing mode)


In the process of Tunnel Automatic Car Washing, because the vehicle needs to follow the tow chain of the car washing equipment, it is necessary to put the vehicle in Neutral (N), manually release the EPB and release the brake pedal.


 If the EPB malfunction indicator lamp is on, it indicates that the electronic parking brake system is faulty. Contact a Riddara authorised service centre for inspection and repair.

 If the EPB fails to be enabled, the rear wheels should be locked if necessary to prevent the vehicle from moving.

 Improper use of electronic parking brake may cause accidents and serious personal injuries and death.

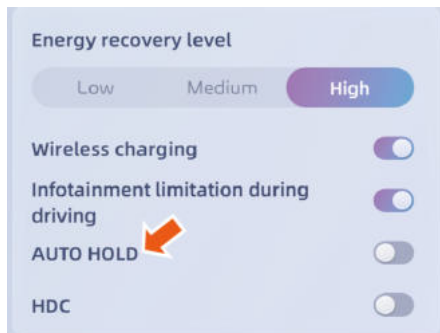
Never use the EPB as the service brake of the vehicle, except in emergencies. Because only the rear wheels are braked, the braking distance becomes longer, which affects the braking effect and may cause danger. When the EPB is enabled, do not depress the accelerator pedal when the vehicle is in the D position and the READY indicator is on.

 When the EPB is released, the parking function of the vehicle will be disabled. To avoid vehicle damage, serious injury or even fatal accidents, do not release EPB on roads with slopes.

 Before receiving an automatic car wash that requires the movement of the vehicle, it is necessary to put the start switch in the ON position, switch the electronic shift lever into Neutral (N), and manually release the EPB.

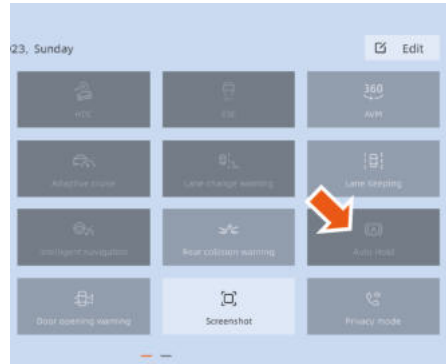
## AUTO HOLD

### Type 1




Click on the multimedia display step by step: Vehicle Settings → Safety, and select to turn on or off AUTO HOLD function on this screen.

### Type 2



Pull down the multimedia display screen from the top left to open the control centre, and click “AUTO HOLD” to turn on or off this function.

The AUTO HOLD function can help drivers start the vehicle more comfortably on slopes. When the vehicle stops on a slope, after the brake pedal is released, AUTO HOLD will keep the vehicle braked for a while, providing sufficient time for the driver to depress the accelerator pedal for starting, thus reducing sliding.

 Depending on the force, the vehicle may also move when AUTO HOLD function is enabled.

### Enabling AUTO HOLD


When the vehicle starts, the driver's side door is closed, the seat belt is fastened, and the AUTO HOLD function is turned on through the multimedia display screen. The AUTO HOLD function is enabled and the switch indicator illuminates.

### Disabling AUTO HOLD

The AUTO HOLD function can be turned off on the multimedia display screen, at this point, the switch indicator lamp goes off.

### Activating and deactivating AUTO HOLD

1. When the READY indicator lamp on the instrument cluster is on, close the driver's side door and fasten the safety belt. When the AUTO HOLD function is enabled and the vehicle speed is zero, depress the brake pedal, if the electronic shift lever is not in Reverse (R), the AUTO HOLD is activated.

 The AUTO HOLD function cannot be activated when the vehicle is in Reverse (R).

2. Shift the electronic shift lever into Drive (D)/Reverse (R), and lightly depress the accelerator pedal. Then, the AUTO HOLD will be automatically deactivated.
3. When the AUTO HOLD function is activated, if the accelerator pedal is not pressed for more than 10 minutes, it is switched to EPB mode, and the parking brake warning lamp illuminates in red.

### Force-deactivating AUTO HOLD

When the AUTO HOLD function is activated, unfastening the seat belt or opening the driver door will activate EPB automatically.

## Electronic stability control (ESC)

Electronic Stability Control (ESC) is an active safety technology that assists the driver in controlling the vehicle, including an anti-lock braking system (ABS), which can automatically correct the instability of the body of the vehicle and help prevent accidents. The ESC estimates the driver's intention in the direction of travel with the sensing technology. When the vehicle begins to deviate from the road, the system will apply targeted braking force to the wheels or reduce the torque of the drive motor to guide the vehicle back to the correct route.

The ESC malfunction indicator lamp on the instrument cluster flashes when the ESC is on. This also happens when the Traction Control System is enabled. You may hear some noise or feel a vibration in the brake pedal, which is normal. In this case, continue to steer the vehicle following your expected direction. If an ESC failure is detected, the ESC malfunction indicator lamp will illuminate and the system cannot work properly. In this case, adjust the driving mode accordingly, and contact a Riddara authorised service centre as soon as possible. The ESC is automatically activated when starting the vehicle. To maintain the direction control of the vehicle, always keep this system activated.

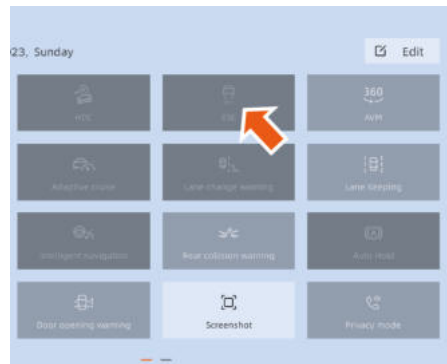
## ESC off

## Type 1




Click Vehicle Settings → Safety on the multimedia display, and then you can turn off ESC by selecting ESC OFF. The ESC OFF indicator lamp on the instrument cluster lights up.

## Type 2



Pull down the multimedia display screen from the top left to open the control centre and click "Electronic Stability Control" to turn on or turn off ESC. When ESC is turned off, the ESC OFF indicator lamp on the instrument cluster lights up.

 Disable the ESC function in the following special cases:

- When driving with snow chains;
- When driving on deep snow or soft roads;
- When the vehicle is stuck and needs to move back and forth to get unstuck.

### ESC on

#### Type 1

Click Vehicle Settings → Safety on the multimedia display, and then you can turn on ESC by unselecting ESC OFF. The ESC OFF indicator lamp on the instrument cluster goes out.

#### Type 2

Pull down the multimedia display screen from the top left to open the control centre and tap "Body Stability System" to turn on or off the body stability system. When ESC is turned on, the ESC OFF indicator lamp on the instrument cluster will go out.


Every time the power switch is turned from ACC to ON.


When the vehicle speed is higher than or equal to 85 km/h, the ESC function is automatically enabled.

### Anti-lock braking system (ABS)

The anti-lock brake system (ABS) can prevent slipping during braking. When starting the vehicle and driving away, the anti-lock brake system performs a

self-check. When the self-check is carried out, you will hear a momentary motor running noise or "click", and even notice a slight movement of the brake pedal, which is normal.

 Too high or too low tyre pressure or mixing different sizes of tyres on a vehicle can lead to a loss of braking effectiveness.

 Do not manually cut off or change the anti-lock brake system control mode, otherwise it may cause the vehicle to lose control.

### Activating ABS

Do not perform cadence braking. As long as the brake pedal is firmly pressed, the anti-lock function will be automatically enabled. You may hear the running noise of the ABS brake pump or motor and feel a brake pulsation, which is normal.

### Braking in emergency


The ABS allows the driver to steer and brake simultaneously. In most emergencies, steering is more effective than braking.

### Electronic brake assist (EBA)

During emergency braking, the EBA increases the driver's braking force and reduces the braking distance. Most drivers can brake in time in hazardous situations, but they do not depress the

brake pedal with enough force, so the brake system does not generate maximum braking force, resulting in increased braking distance.

The EBA is enabled when the brake pedal is depressed quickly while the vehicle is in motion. At this point, the EBA will generate a greater brake pressure than normal braking, allowing the brake system to generate the pressure required for the maximum deceleration of the vehicle in the shortest possible time. The EBA utilizes the rapidly generated pressure within the brake system to help drivers achieve shorter braking distances in emergencies. When the brake pedal is released, the EBA will be automatically disabled and the brake system is restored to normal operation.

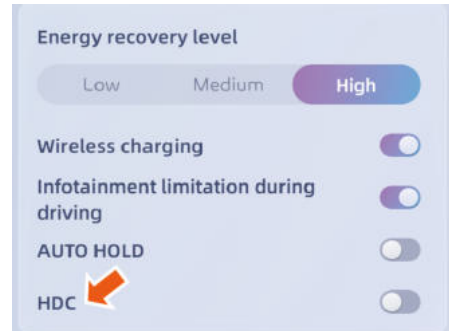
 The EBA is only intended to help the driver increase the braking force, but cannot protect against every possible accident. The driver shall always keep an appropriate distance from other vehicles and drive carefully.

## Hill descent control (HDC)

The vehicle is equipped with a HDC function. The function can automatically brake the vehicle to limit the driving speed without driver intervention during the downhill process and assist the driver in going downhill.

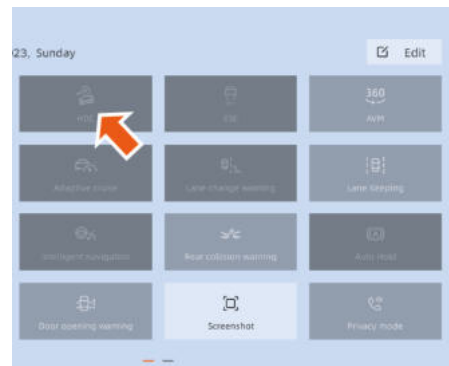
## System on and off

### Type 1




Click Vehicle Settings → Safety on the multimedia display, and then select HDC ON or OFF.

### Type 2



Pull down the multimedia display screen from the top left to open the control centre and tap “Hill Descent Control (HDC)” to turn on or off the hill descent control (HDC) function.

 HDC can only be activated when the vehicle speed is less than 35 km/h.

When driving downhill, the driver can control the speed via the accelerator pedal/brake pedal or LIM button on the steering wheel; The adjustable speed range is 4 ~ 35 km/h; When the driver depresses the accelerator pedal to increase the speed to greater than 35 km/h and less than 60 km/h, this function is temporarily disabled, and is enabled again when the speed is decreased to 4 ~ 35 km/h; This function can be disabled by the HDC switch or by accelerating to greater than 60 km/h.



When the HDC function is temporarily unavailable due to high brake temperature, the following situations will occur:

- In the HDC-on state, the HDC indicator lamp on the instrument cluster goes off and the system shuts down.
- In the HDC-off state, when turning on the HDC function on the multimedia display screen, the HDC indicator lamp on the instrument cluster does not illuminate, and the system cannot be turned on.

### Hill hold control (HHC)

The HHC allows the driver to prevent vehicles from sliding downhill after releasing the brake pedal. It maintains the brake pressure applied by the driver, allowing the driver up to two seconds to move his/her foot from the

brake pedal to the accelerator pedal, and the brake pressure will be automatically released afterwards. As reversing uphill (with the front of the vehicle facing downwards) is also considered an uphill behaviour, the HHC function is enabled at this point.



The HHC function can only be activated when the ESC system is enabled and the parking brake is fully released.



The HHC function only maintains the pressure for a short time when the driver releases the brake pedal. If the accelerator pedal is not depressed or the parking brake is applied, the vehicle may slide down the slope after 2 seconds. Therefore, you should drive carefully when starting on the slope!

### Traction control system (TCS)

The TCS prevents the driving wheels from slipping during acceleration and ensures stable driving. The TCS optimizes the target slip rate of the driving wheels according to the vehicle's demand for the longitudinal and lateral forces on the driving wheels. By controlling the driving torque of the drive system and the braking torque on the driving wheels, the slip rate of the driving wheels is controlled to improve the vehicle's acceleration and stability performance under various driving conditions. The



control forms include ETCS and BTCS: ETCS prevents the vehicle from sideslip by reducing the torque of the drive motor; BTCS improves the vehicle's acceleration performance by applying braking force to slipping wheels. When the Electronic Stability Control (ESC) system is disabled, the TCS will also be disabled, and the ESC off-indicator lamp on the instrument cluster will illuminate. When the ESC system is enabled again, the TCS will also be enabled.



When the start switch is in the ACC/ON position, the system performs a self-check, during which the ESC off-indicator lamp on the instrument cluster illuminates; if there is no fault, it will go out after a few seconds. When the TCS fails, the ESC malfunction indicator lamp on the instrument cluster will illuminate, and remain on if the fault is not removed. In this case, contact a Riddara authorised service centre for inspection and repair as soon as possible.

## Acoustic vehicle alerting system (AVAS)

Activate the acoustic vehicle alerting system. In battery electric drive mode, when the vehicle is in Drive or Reverse (D/R) and the speed is less than 30 km/h, the acoustic vehicle alerting system will be activated to remind pedestrians of approaching vehicles.



Pull down the multimedia display from the top left to open the control centre and click "Acoustic Vehicle Alerting System" to turn on or off the acoustic vehicle alerting system.



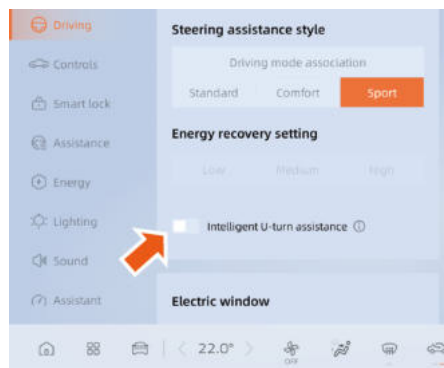
The acoustic vehicle alerting system can only be turned off when there are no other road users within a short distance and the surrounding environment is good.

### Intelligent turn assist system (If equipped)

When the vehicle is driving on low adhesion roads, the intelligent turn assist system can assist the driver in turning with the minimum turning radius.

Please follow the following steps to use the intelligent turn assist system function:

1. Fasten the seatbelt and close the door.
2. Place the vehicle in READY and stationary state, and shift to P.



3. Click on the multimedia display step by step: My car → Driving, then select to turn on or off the intelligent turn assist function on the screen, learn about the pop-up function instructions and select the appropriate terrain.
4. Shift into D and turn the steering wheel.
5. Slowly depress the accelerator pedal and pay attention to the surrounding environment.

### Instructions for intelligent turn assist system function



- Before using the intelligent turn assist system, please check the vehicle condition to ensure the safety of the surrounding environment and keep the vehicle stationary.
- Please fasten your seatbelt, shift into D gear, turn the steering wheel to the maximum limit, and slowly depress the accelerator pedal to make a turn.
- The steering wheel should be turned to its maximum limit and avoid significant shaking during the turning process.
- It is recommended to use this function on roads with low adhesion such as grass, snow, mud, and sand. Do not use this function on roads with high adhesion such as cement and asphalt.
- Intelligent turn assist can only be used on flat roads. Do not use it on uneven roads, slopes, potholes, and other road surfaces;
- Cargo may fall when the rear bucket is loaded. Please drive carefully.
- ABS and ESC will be turned off after turning on the function, and there may be some instability in

the body. Please drive carefully.

- Do not use this function when connected to the trailer.
- Long-term use of intelligent turn assist will increase tyre, power, brake system loss, please avoid long-term use or reduce the frequency of use;
- The intelligent turn assist system can only be turned off when the vehicle is stationary.

## Parking assist system

### Parking distance control (PDC)

The PDC system helps drivers avoid colliding with objects during the parking process.

The sensors on the rear bumper can be used to detect objects up to 1.5 meters behind the vehicle.

The PDC system cannot replace the driver's observation.

- The PDC system cannot detect objects under the bumper and the vehicle, or objects that are too close or too far from the vehicle.
- The PDC system may not be able to detect children, pedestrians, cyclists, or pets.
- The PDC system cannot detect very small objects.
- If you do not pay attention to the surrounding conditions of the vehicle before or during reversing, it may lead to personal injury and property damage. Even if the PDC system is equipped, the driver must carefully observe whether there are obstacles and pay attention to the rearview mirror of the vehicle before reversing.

### How the system works

When the PDC system is working, if any obstacles appear within the detection range, the buzzer will sound to alert. The buzz indicates an obstacle

behind the vehicle. The closer the vehicle gets to the obstacle, the faster the buzzer sounds. When the distance is less than 30 cm, a continuous buzz will be heard. Only objects that are at least 20 cm above the ground and below the height of the cargo box can be detected. The object must be within 1.5 meters of the rear bumper. In hot or humid weather, the distance at which objects are detected may decrease.

### System on and off

#### Enabling

Move the shift lever into Reverse (R), and then the system is enabled.

#### Disabling

Move the shift lever out of Reverse (R), and then the system is disabled.

### When the system fails to work properly

The PDC system may fail to alarm or give a false alarm in the following situations:

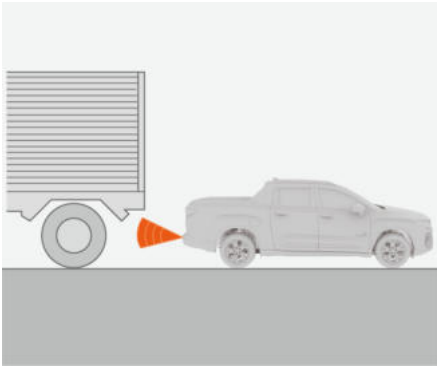
#### Inability to detect obstacles



- The PDC sensors cannot detect mesh objects such as wires, cables and blockages.



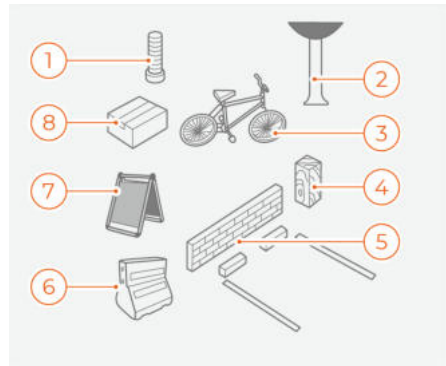
- The PDC sensors cannot detect low objects such as rocks and wooden blocks.



- The PDC sensors cannot detect vehicles with a higher chassis.



- The PDC sensors cannot detect loose snow, cotton, sponges and other objects that tend to absorb ultrasound.



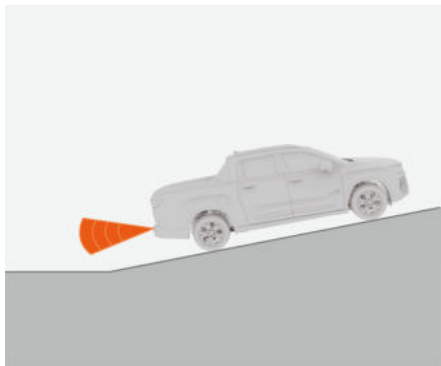
- The PDC sensors may not be able to detect certain obstacles with particular shapes.

1. Pillar
2. Small trees
3. Bicycles
4. Angle bar
5. Cornerstone
6. Road barrier
7. V-shaped parking sign
8. Corrugated paper

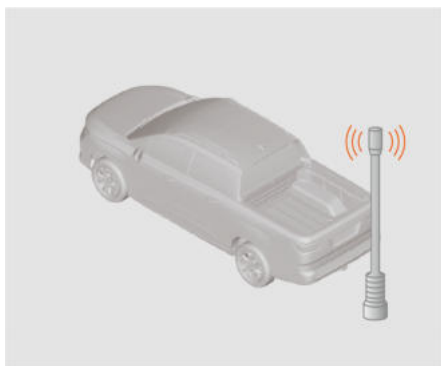
## Possible situations of false alarms



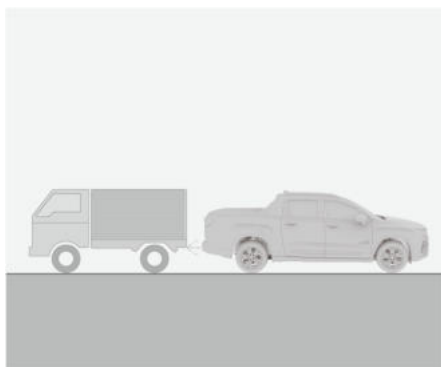
- The surface of the PDC sensors is icy.



- The vehicle is on a steep slope.



- High-frequency radios or aerials are installed on or near the vehicle.





- Sound sources, such as the horn, engine and exhaust of other

vehicles, are too close to the PDC sensors.



- When driving in snow or rain.  
If the vehicle approaches an obstacle and the system still does not alarm, please contact a Riddara authorised service centre for inspection when it is confirmed that this is not caused by the above situations.

 When there are multiple obstacles, the PDC sensors can only detect the nearest obstacle.

 Do not use high-pressure water such as a water gun to directly spray, or use other methods to squeeze or impact, the surface of the PDC sensors. The system could otherwise malfunction.

### Rear view camera (RVC) system (if equipped)

The RVC system assists the driver in reversing by displaying the image behind the vehicle.

**!** Drivers must carefully observe whether there are obstacles around the vehicle before reversing, otherwise it may lead to personal injury and property damage. The RVC system is not a substitute for the driver's observation. Do not rely solely on the RVC system to reverse your vehicle.

- The distance displayed on the multimedia display screen is different from the actual distance.
- The rear view camera cannot detect objects outside the camera's visual range, such as objects under the bumper or vehicle.
- The RVC system may not be able to detect children, pedestrians, cyclists, or pets.
- It is prohibited to use the RVC system during long-distance and fast reversing or in areas where there is cross traffic.

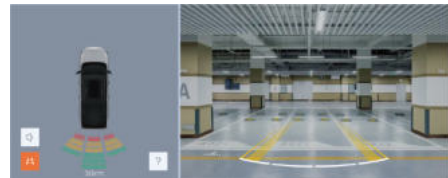
The rear view camera is located on the cargo compartment tailgate. The rear view camera has a limited range and cannot capture objects near corners or under the bumper. The images displayed will vary depending on the vehicle's travelling direction or road conditions. There is a difference between the distance in the image displayed on the screen and the actual distance.

## Reversing guide lines

### Type 1

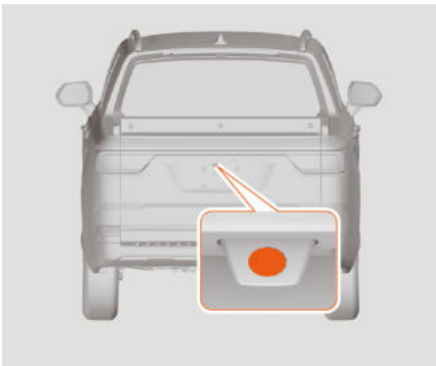


### Type 2



Reversing guide lines are dynamic trajectory lines that adjust the indicated direction according to the angle changing along with the rotation of the steering wheel. During reversing,

## Rear view camera position



the reversing guide lines cover the road surface behind the vehicle and move to the left or right according to the rotation of the steering wheel. The indicated direction is the same as the actual trajectory of the vehicle, helping the driver plan the reversing route.

### System on and off

When the vehicle shifts into R gear, it can access the rear view camera interface.

- When the electronic shift lever is moved into R gear, the RVC system is enabled, and the image will be automatically displayed on the multimedia display screen.
- When the electronic shift lever is moved out of R gear, the RVC system is disabled, and the multimedia display screen is delayed for a while before switching back to the interface previously displayed.

### Rear view camera connection interruption

When the rear view camera does not work properly or the connection is interrupted, a message box will pop up on the multimedia display screen. Contact a Riddara authorised service centre for inspection and repair promptly.

### Around view monitor (AVM) (if equipped)

By showing the images captured by cameras on the multimedia display, AVM enables the driver to monitor the situation in front of, behind, and on the left and right of the vehicle in real time while he or she stays in the vehicle, thus assisting the driver in parking.



Observe your surroundings when the AVM is in use. This system can be used only as an auxiliary means for the vehicle. Do not rely solely on it.

- AVM cameras are susceptible to environmental factors, such as fog, rain and snow, and low-visibility environments at night. Please use the AVM with caution and make sure the surrounding environment is safe before use.
- The existence of visual blind spots may disable the AVM from detecting all obstacles around the vehicle.

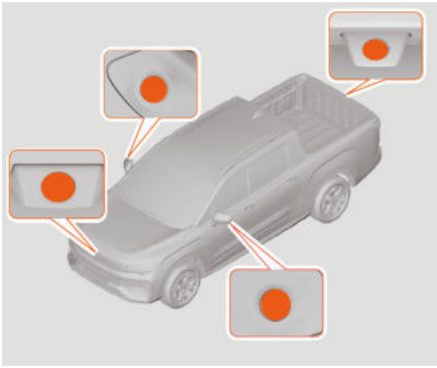


The image model of the wide-angle fisheye camera in this vehicle is bowl-shaped structure, which makes it easy for 3D stereo images to form stretching deformation at the splicing point, and there will be ghosting at the far edge of the object.

### AVM camera

AVM cameras are located around the vehicle body.





## Entering the AVM screen

When the vehicle speed is less than or equal to 30 km/h, enter the AVM screen in the following ways:

- Directly enter the AVM rear view screen by shifting to R.
- Press the AVM button on the multimedia display.
- Turn on the turn signal lamp when the steering linkage function is activated, the selector lever is not in position R, and the navigation is not working in the foreground.
- Activate the AVM by using voice commands such as "Hello Riddara, activate AVM".

## Exiting the AVM screen

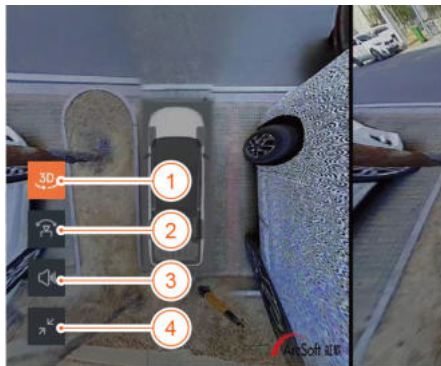
- If you entered the AVM screen by shifting to R, the AVM screen will exit when the vehicle speed exceeds 15 km/h after shifting out of R.
- If you entered the AVM in other ways, the AVM screen will exit when

the gear is not in R and the vehicle speed exceeds 30 km/h.

- Click the Back button on the multimedia display to exit the AVM screen.
- After you shift from another gear to P, if the AVM is not operated within 5 seconds, the AVM screen will exit.
- If you entered the AVM by operating the turn signal lamp and didn't perform other operations to switch the AVM view, the AVM screen will automatically exit when you turn off the turn signal lamp.
- Exit the AVM by using voice commands such as "Hello Riddara, activate AVM".
- Enable the steering linkage function, and turn the steering wheel at a certain speed when the gear is not in R, the vehicle speed is less than or equal to 10 km/h, and the navigation is not working in the foreground.

## AVM screen

You can click on the designated area of the screen to display the image you need.



1. 2D/3D switch button  
It can switch between 2D and 3D view effects, and supports touching and sliding in the 3D image area to change the viewing angle of the 3D view.
2. View button  
Click to expand the 4 views switching modes.
3. Radar warning volume adjustment button  
Enable or disable the radar warning volume.
4. Unfold/Fold button  
Unfold/fold the function.

### 3D Surround

You will enter the 3D surround view (the 3D car model turns a circle) when the AVM is activated for the first time through system button or voice control, provided that all of the following conditions are met: the start switch is in the ON position, the 3D surround function is enabled, the shift lever is not in Reverse (R), and the vehicle speed is less than or equal to 4 km/h. In this view, you have 5 seconds

to see what is around the vehicle. During each power-on cycle of the vehicle, this function can only be used once and will be interrupted by shifting gear, clicking/tapping buttons, turning on/off turn signal lamp, and some other operations.

### Vehicle Transparent

Click the vehicle transparent option in the settings to turn on/off the transparent car model function. When turned on, the car model (2D/3D car model) in the AVM screen immediately changes to a transparent state, and the blind spot at the bottom of the car model changes to a transparent state after the vehicle moves for a certain distance.

### Steering Linkage

Enable the steering linkage function. When the gear is not in Reverse (R), the navigation is not working in the foreground, and the vehicle speed is less than 30 km/h, turn on the left/right turn signal lamp to activate the AVM and enter the left/right steering linkage view screen.

Enable the steering linkage function, and turn the steering wheel at a certain speed when the gear is not in R, the vehicle speed is less than or equal to 10 km/h, and the navigation is not working in the foreground.

## AVM connection interrupted

When the connection to the AVM is interrupted, a message box will pop up on the multimedia display, indicating a malfunction of the system. Contact a Riddara authorised service centre for inspection and repair promptly.

## Intelligent driving system (if equipped)

### Intelligent driving system

#### Mid-range radar



The mid-range radar is installed under the front bumper.


The mid-range radar is the core component for achieving Intelligent Cruise Control (ICC), Adaptive Cruise Control (ACC), and Automatic Emergency Brake (AEB). While it brings great comfort and safety to the driver, please pay attention to: Keep the mid-range radar free from foreign objects such as ice, snow, water, and dust, other obstacles (such as licence plate frames) are not allowed in the sensor's field of view and it is strictly prohibited to paint or install bumpers without authorization, otherwise it will affect the performance of ICC/ACC/AEB.

The mid-range radar needs to have special performance to detect relevant

targets. The detection will be affected and performance will decrease when affected by the environment.

Do not change its position without authorization, as the calibration of mid-range radars that are subjected to strong vibrations or slight impacts will be affected.


If the field of view of the mid-range radar is dirty or blind, there will be a text prompt on the instrument cluster display and an audible alarm to remind the driver to pay attention. 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) before wiping. Avoid using a high-pressure water gun to flush the radar directly, and do not use abrasive or sharp objects to clean the radar.

 Mid-range radar blindness is a normal reaction of vehicles under specific road conditions. If the vehicle is driven under normal road conditions for a period of time with the surface of the mid-range radar clean, the mid-range radar can automatically return to normal. If it fails to do so, please go to a Riddara authorised service centre for inspection and repair.

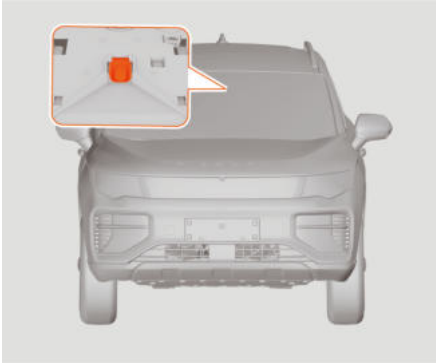
Radar has detection blind spots and cannot function properly in all driving scenarios, weather, traffic, and road conditions. When the vehicle is in a complex or poor environment, you should drive with caution and always be responsible for driving safety.

In case of the following situations, please go to a Riddara authorised service centre for professional calibration of the mid-range radar:

- The mid-range radar has been removed and installed.
- The toe-in and/or rear axle wheel camber have been adjusted during the wheel alignment.
- After a collision with the vehicle.
- ICC/ACC/AEB system degradation or abnormality.

 After removing the plastic installation buckle of the mid-range radar, it is necessary to replace the buckle to ensure the accuracy of the installation of the mid-range radar.

## Front monocular camera



The front monocular camera is installed behind the windscreen of the vehicle.

The front monocular camera is the core component of Adaptive Cruise Control (ACC), Intelligent Cruise Control (ICC), Automatic Emergency Brake (AEB), Lane Keeping Assist (LKA), Speed Limit Information Function (SLIF), and intelligent high and low beam system.



In daily use, keep the front monocular camera clean, and the field of view of the front monocular camera should not be obstructed by pollutants (such as rain, snow, mist, water vapour, frost, leaves, bird droppings, etc.) or disturbed by strong light, otherwise it will affect the performance of ICC/AEB/LKA/SLIF.

The detection of the front monocular camera will be interfered when it is affected by the environment. For example, the recognition ability of the front monocular camera will be affected in severe weather conditions such as rainstorm, snowstorm, dense fog, etc., which may lead to the decline of system performance.

If there is a system malfunction with the front monocular camera, there will be a text prompt on the instrument cluster display. Please contact a Riddara authorised service centre for inspection and repair. When the front monocular camera is in extremely high temperature, the system function will be temporarily unavailable to protect the electronic components, and there will be a text prompt on the instrument cluster display. When the temperature drops enough, the front monocular camera unit will automatically restart and the system function will return to normal.

If the field of view of the front monocular camera is blocked, or enters a dark environment, or is interfered by strong light, there will be a text prompt on the instrument cluster display.

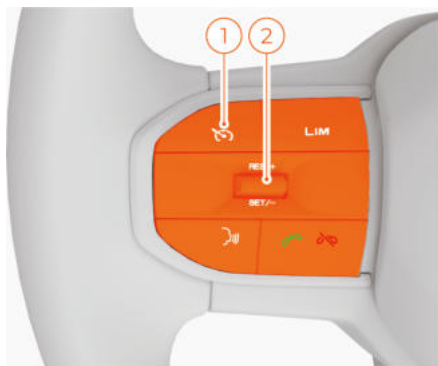
Do not change the position of the front monocular camera without authorization, as the calibration of the front monocular camera may be affected by vibration or collision. In this case, it may be necessary to recalibrate the front monocular camera.

**i** Blindness of the front monocular camera is a normal reaction of the front monocular camera in special environments. Drivers can avoid dark environments and strong light under the condition that the field of view of the front monocular camera is not blocked, and the system will recover by itself. If it cannot be recovered, please contact a Riddara authorised service centre for inspection and repair.

## Cruise control (CC)

With cruise control, vehicle speed can be maintained at any value between 30 km/h and 150 km/h without constantly depressing the accelerator pedal.

**!** Where cruise control is used, it may be dangerous if you cannot safely travel at a constant speed. Therefore, do not use cruise control on winding roads or in heavy traffic. Cruise control is also dangerous when driving on slippery roads. On such road surfaces, sharp changes in tyre traction can lead to unnecessary idling of the wheels, and the vehicle may lose control. Never use cruise control on slippery roads.



The cruise control button is on the left side of the steering wheel.

1. Cruise control button:  
Cruise control can be turned on/off by pressing the cruise control button.
2. Speed adjustment and setting button

- Push this button up to restore the cruise speed to the original setting or increase the cruise speed.
- Push this button down to set the current speed as the cruise speed or reduce the cruise speed.



If you leave the cruise control on all the time, you may accidentally push the button and enter the cruise state. In this case, you may be frightened and the vehicle may go out of control. Therefore, turn off the cruise control switch when you do not need to use cruise control.

## Setting speed

1. Press the cruise control button to turn on the cruise control.
2. Push the speed adjustment and setting button down, then release it, and the current speed will be set as the cruise speed.
3. Push the speed adjustment and setting button up or down to set the desired cruise speed.

## Restoring the set speed

If the cruise control has already set to the desired speed, depress the brake pedal. This cancels the cruise control and the stored speed remains in the memory. To restore to preset speed, push the speed adjustment and setting button up when the vehicle

speed is 30 km/h or higher. In this way, the vehicle reaches the preset speed.

## Acceleration when using cruise control

Acceleration can be realized with either of the following two methods:

- Depress the accelerator pedal to increase speed. To store the increased speed as the cruising speed, push the speed adjustment and setting buttons down.
- If the cruise control has been enabled, push up the speed adjustment and setting button and hold it, and the cruise speed will be adjusted to an integer multiple of 5 and then continue to increase at 5 km/h. If you want to accelerate slightly, push up the speed adjustment and setting button. Each push will increase the cruise speed by 1 km/h.

## Deceleration when using cruise control

If the cruise control has been enabled, push down the speed adjustment and setting button and hold it, and the cruise speed will be adjusted to an integer multiple of 5 and then continue to decrease at 5 km/h. If you want to slow down slightly, push down the speed adjustment and setting button. Each push will reduce the cruise speed by 1 km/h.

### Overtaking when using cruise control

Depress the accelerator pedal to increase the speed. Vehicle speed will decrease to the preset cruise control speed when the foot leaves the accelerator pedal.

### Using cruise control on ramps

The performance of the cruise control on a ramp depends on the vehicle speed, load and the gradient of the ramp. When climbing up a steep hill, you may need to depress and hold the accelerator pedal to maintain the vehicle speed. When going downhill, it may be necessary to brake to maintain the speed. Cruise control is turned off when brake is applied.

### Ending cruise control

The cruise control can be ended using the following methods:

- Depress the brake pedal, but the cruise status indicator does not go off.
- Select the neutral gear (N).
- Press the cruise control button to turn off the cruise control completely.

### Clearing speed memory

When the cruise control is turned off or the start switch is set to the OFF position, the cruise control set speed memory is cleared.

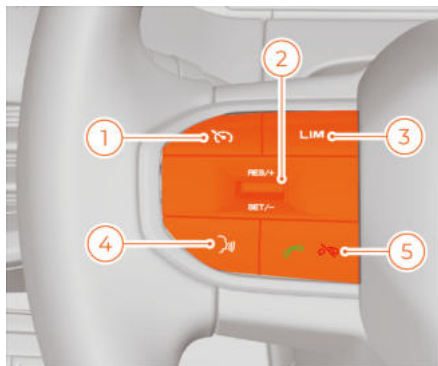
### Automatic speed limit control system (LIM)

The automatic speed limit control system (LIM) can keep the vehicle speed within the pre-set limit.

Even if the vehicle has an automatic speed limit control system, the driver must control the speed as the case may be and shall not depress the accelerator pedal deeply unless necessary.

### Control using steering wheel

#### Type 1



The LIM button is on the left side of the steering wheel. The speed limit setting range is between 30 km/h and 150 km/h. If you need a wider range, you can set the speeds closer to the limits for the current speed range.

The LIM system can be activated through the function button on the left side of the steering wheel. Once LIM is selected, the system enters the



standby mode, and the LIM status indicator lamp lights up. The speed indicator lamp stays white (nighttime) or black (daytime).

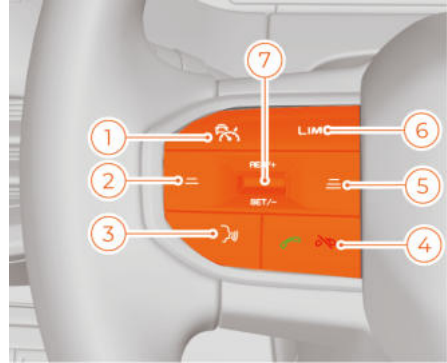
#### Push-down

The LIM button can operate to activate LIM. When the vehicle speed is between 30 km/h and 150 km/h, the LIM can work at the current speed. Once selected, LIM is activated. The LIM status indicator lamp lights up green, and the current speed is displayed in green.

#### Speed adjustment and setting button

- Push-up
  - Each short push increases the cruise speed by 1 km/h.
  - Each long push increases the cruise speed by 5 km/h every 2 seconds.
- Push-down
  - Each short push decreases the cruise speed by 1 km/h.
  - Each long push decreases the cruise speed by 5 km/h every 2 seconds.

## Type 2



The LIM button is on the left side of the steering wheel.

#### Speed adjustment and setting button

- Push-up
  - Each short push increases the cruise speed by 1 km/h.
  - Each long push increases the cruise speed by 5 km/h every 2 seconds.
- Push-down
  - Each short push decreases the cruise speed by 1 km/h.
  - Each long push decreases the cruise speed by 5 km/h every 2 seconds.

## Setting speed limit

After LIM is enabled, press this button to set the current vehicle speed between 30 km/h and 150 km/h as the speed limit. You can push up or down the speed adjustment button to adjust the speed limit to the desired speed.

## Resuming speed limit

When the accelerator pedal is deeply depressed while the vehicle is in

motion, LIM enters a state allowing the driver to take over the vehicle, and the LIM status indicator lamp lights up yellow. When the speed is 3 km/h beyond the limit, people in the vehicle can hear an audible warning. When the accelerator pedal is released, LIM resumes control.

### Using LIM on slopes

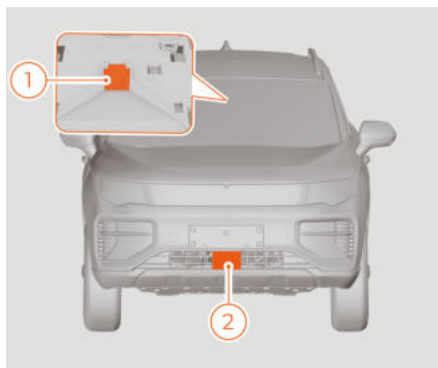
LIM cannot precisely limit the speed when the vehicle is moving uphill or downhill. Under the effect of its dead weight, the vehicle may not reach the set speed or slightly exceed the set speed. Once the set speed is exceeded, the speed should be reduced by depressing the brake pedal.

### Deactivating LIM

LIM can be deactivated by operating the LIM button on the left side of the steering wheel. When the LIM status indicator lamp goes out, it indicates that LIM is deactivated.

## Adaptive cruise control (ACC)


The Adaptive Cruise Control (ACC) can control the vehicle speed according to the set speed and following distance within the speed range of 0 - 150 km/h. The ACC mainly provides driving assistance for drivers on highways or elevated roads with good road conditions, and the driver needs to control the vehicle at all times.





The sensors used in the Adaptive Cruise Control (ACC) include:


1. Front monocular camera
2. Mid-range radar


The ACC detects vehicles ahead with the mid-range radar and automatically adjusts the vehicle speed to maintain the headway set by the driver. The driver can control the vehicle at any time based on the driving conditions.


 The Adaptive Cruise Control (ACC) is a comfort system, not a warning and collision avoidance system in emergency situations. The driver must always maintain control of the vehicle and bear full driving responsibility for vehicle handling. The driver needs to drive in accordance with laws and regulations.


 The Adaptive Cruise Control (ACC) doesn't respond to vehicles or objects that cross the driving lane.


 The change in vehicle posture caused by loading too many items in the cargo compartment can lead to a decrease or failure in the target recognition performance of the Adaptive Cruise Control (ACC).


 The Adaptive Cruise Control (ACC) may not respond timely when other vehicle change lanes to travel in front of the vehicle at low speed, the driver should brake timely.


 When your vehicle suddenly accelerates and approaches the vehicle ahead at high speed (with a significant speed difference from the vehicle ahead), the driver needs to brake timely.


 The driver should adjust the following distance to set the ACC system properly based on the traffic flow ahead and current weather condition, such as rain, snow. The driver should be able to actively control the vehicle at all times to ensure safe driving.


 It is the driver's responsibility to maintain distance from the vehicle ahead.


 When driving in a steep downhill road, it is hard for the function to control the vehicle to maintain a correct distance from the vehicle ahead. In these situations, you should be particularly careful and be ready to brake at any time. Do not use Adaptive Cruise Control (ACC) under heavy loads.


 The Adaptive Cruise Control (ACC) is unable to recognize pedestrians, two-wheeler, tricycles, and vehicles loaded with irregularly shaped objects.


 The Adaptive Cruise Control (ACC) cannot recognize stationary or slowly moving vehicles, nor can it recognize oncoming vehicles.


 If the ACC is activated with the vehicle stationary, the system will recognize the stationary obstacle in front of the vehicle as a vehicle and keep still to ensure a safe starting and avoid collisions with the stationary target due to unexpected starting. Stationary targets include but are not limited to speed bumps at intersections, trees, people and railings.


 The Adaptive Cruise Control (ACC) can assist the driver, but it cannot replace the driver in driving. Even if the Adaptive Cruise Control (ACC) is activated, the driver must drive with caution and comply with traffic rules.


 When ACC system is active, if the driver depresses the accelerator pedal, the vehicle will be taken over by the driver to respond to the demand of speeding up. The ACC system's control function will not work.


 When entering or exiting a curve, target selection may be delayed or disturbed. The ACC system may brake unexpectedly or brake late.


 In certain situations (such as when the speed of the vehicle ahead is too low compared to the speed of your vehicle and when the vehicle ahead cuts in the lane of the vehicle with a small distance), the ACC system does not have enough time to reduce the relative speed. In this situation, the driver must respond promptly.


 If the vehicle ahead suddenly brakes (emergency stop), the ACC system may fail to respond timely or react too slowly. In this situation, the driver will not receive a takeover request and needs to actively brake.


 When the vehicle is driving on roads with sharp curves, such as S-shaped roads, as the mid-range radar's field of view is limited, the ACC system cannot properly detect the vehicle ahead, which can cause the ACC-equipped vehicle to accelerate. In this case, the driver needs to react according to real situations.

 If the distance between the vehicle controlled by ACC and the adjacent lane is too small (or if the vehicle in the adjacent lane is too close to the lane of the vehicle controlled by ACC), the ACC system may react to the vehicle and brake.

 When the vehicle ahead in the adjacent lane cuts in the driving trajectory of the vehicle controlled by ACC, the detection may be affected or delayed in certain environments, such as low reflection intensity of the target (pedestrians, two-wheeled vehicles, tricycles), electromagnetic interference, resulting in the ACC system unable to recognize the target or accurately calculate the distance from the vehicle ahead. In this situation, there may be no response from ACC or delayed braking, and the driver needs to actively control the vehicle.

 The field of view of mid-range radar shall not be obstructed by pollutants. Especially when it is covered completely by snow, it will cause the ACC system to be exited, and then the system exit message will be displayed on the instrument cluster to the driver.

 The fitting of mid-range radar may be affected by vibration or collision, which will degrade the system performance. At this time, it is necessary to recalibrate the mid-range radar.

 Drivers must be particularly vigilant when encountering the following situations:

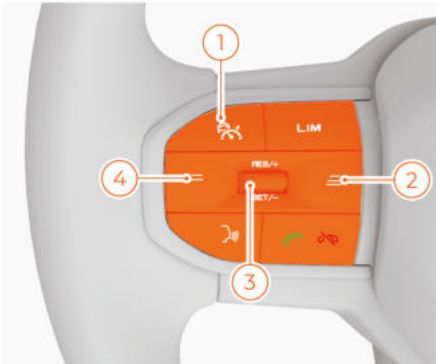
- When the ACC system is activated with the vehicle stationary and confirms to start, if there are pedestrians, children, animals, two-wheeled vehicles, tricycles or obstacles in front of the vehicle, the ACC system cannot detect and identify them, causing a serious risk of collision. The driver must confirm the area in front of the vehicle is safe before activating the ACC system to control the vehicle to start off.
- When overtaking on the left, if the turn signal is turned on, the ACC system automatically accelerates the vehicle to reduce the distance from the vehicle in front. If the vehicle enters the overtaking lane and there is no vehicle ahead, the ACC system will automatically accelerate to the set cruise speed.
- The ACC system cannot detect the items loaded or accessories mounted on the target vehicle that protrude from its side, rear end or roof. If the vehicle ahead is equipped with the above special loads or equipment, the ACC system must be turned off when overtaking such a vehicle.
- Metal objects such as tracks or metal plates used for road construction may interfere with mid-range radar, making it

unable to function properly.

- When towing a trailer, ACC and AEB functions cannot be activated due to safety considerations, and the functions exit.
- For safety reasons, do not use the ACC system when the visibility is poor, or when driving on ramps and roads with many curves or on slippery roads (such as roads covered by ice and snow, wet roads or waterlogged roads).
- After the system requires the driver to take over the vehicle, if the vehicle continues to move, the driver must depress the brake pedal to brake.
- If the instrument cluster display prompts the driver to take over the vehicle, the driver must immediately control the distance between the vehicle and the vehicle ahead.
- Drivers must always be prepared to control the vehicle by accelerating or braking.
- The mid-range radar is installed under the front bumper. If the mid-range radar is covered by dirt, the ACC system cannot work normally and text prompts will be displayed on the instrument cluster. Please clean up timely or visit the Riddara authorised service centre for inspection and maintenance.
- There should be no other objects

(such as licence plate bracket) blocking the front and surrounding area of the mid-range radar, otherwise, it may affect the ACC system.

- Structural modifications to vehicles, such as lowering the chassis height or changing the front licence plate mounting plate, may affect the ACC system.



The ACC button is on the left of the steering wheel.

1. ACC button  
Short press this button to turn on, off or exit ACC system.
2. Increase Headway button  
Short press this button to increase the following distance of the ACC system.
3. Speed adjustment and setting button
  - RES/+ (Restore/Accelerate)  
Push this button in the RES/+ direction to restore the cruise speed to the original setting or increase the cruise speed.

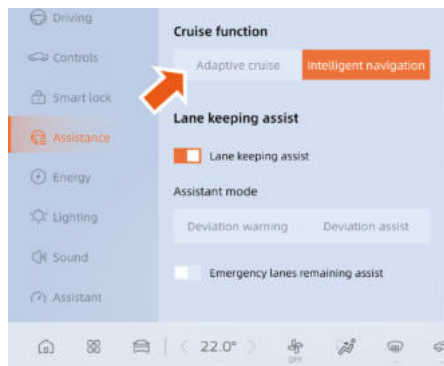
- SET/- (Set/Decelerate)  
Push this button in the SET/- direction to set the current speed to the cruise speed or reduce the cruise speed.

4. Decrease Headway button  
Short press this button to decrease the following distance of the ACC system.

**i** To activate the ACC, the following conditions must be met:

- Press the ACC button to turn on the ACC.
- The gear is in the drive position (D).
- The READY indicator lamp on the instrument cluster is on.
- The doors are closed.
- The brake pedal is not depressed while the vehicle is driving.
- There is no fault with the brake disc.
- No over-temperature, fouling or malfunctioning of mid-range radar.
- ESC function is enabled.
- Electric Parking Brake (EPB) is released.
- The driver's seat belt is buckled up.

### Function selection



Click on the multimedia display step by step: My car → Driving assistance → Cruise function, and select Adaptive Cruise Control on this screen.

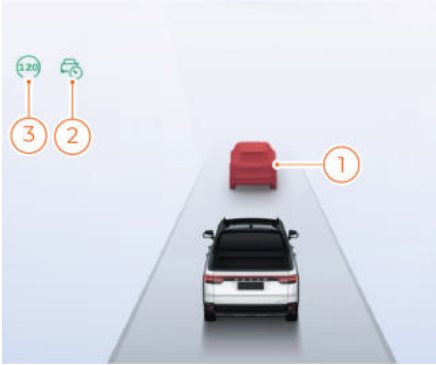
### Activating and setting vehicle speed

1. When the vehicle is stationary, activate the system and set the vehicle speed as follows:
  - Turn on ACC, and the ACC status indicator lamp on the instrument cluster lights up grey.
  - Depress the brake pedal or activate the AUTO HOLD function.
  - Activate ACC by pushing the speed adjustment and setting button. The set cruise speed is 30 km/h, and the ACC status indicator lamp on the instrument cluster lights up green.
2. When the vehicle is in motion, activate the system and set the vehicle speed as follows:
  - Turn on ACC, and the ACC status indicator lamp on the instrument cluster lights up grey.
  - Activate ACC by pushing the speed adjustment and setting button, and the ACC status indicator lamp on the instrument cluster lights up green. When the speed of your vehicle is below 30 km/h, the set cruise speed is 30 km/h. When the speed of your vehicle is above 30 km/h, the set cruise speed is the current speed of your vehicle.
  - The ACC controls the vehicle according to the set cruise speed.
3. Push the speed adjustment and setting button to set the desired cruise speed.


- The ACC can keep the vehicle stationary after releasing the brake pedal.
- By pushing the speed adjustment and setting button again in the RES/+ direction or depressing the accelerator pedal, the ACC can control the vehicle to start off.
- The ACC controls the vehicle according to the set cruise speed.



During the cruise process, as the relative vehicle speed changes, the instrument cluster will display different states of the distance from the previous vehicle to the current vehicle to remind the driver.



In the Active safety interface, the distance between the vehicle ahead and your vehicle is displayed in real-time on the instrument panel, and the size of the vehicle 1 ahead of you will change with the distance. If the vehicle ahead is detected, vehicle 1 is grey. If the vehicle ahead is the target followed by ACC, vehicle 1 is blue; If the distance between the vehicle ahead and your vehicle is relatively close, vehicle 1 is yellow. If the distance between the vehicle ahead and your vehicle is too close, vehicle 1 turns red. If the ACC malfunctions, vehicle 1 is not displayed. If ACC is not activated, the ACC status

indicator lamp 2 is grey. 

If ACC is activated, the ACC status

indicator lamp 2 is green. 

If ACC malfunctions, the ACC malfunction indicator lamp 2 is red.



If ACC is not activated, the set speed 3 is grey.

If ACC is activated, the set speed 3 is green.

If ACC malfunctions, the set speed 3 will not be displayed. In addition, if ACC is activated and the ACC button is pressed, the set speed 3 will be shown as "- km/h" in grey.

## Setting headway



The driver is responsible for choosing a safe headway.

The driver can adjust the headway for ACC based on the current road environment. Headway refers to the time it takes for the vehicle to travel to the current position of the vehicle ahead at the current speed, that is, the following distance divided by the vehicle speed.

The driver can reduce or increase the time interval between their vehicle and the vehicle ahead by pressing the headway control button. The headway is divided into three levels: 1.0 s, 1.5 s, and 1.9 s. Each time the ACC adaptive cruise control button is activated, the system defaults to a time interval of 1.9 s.



When the headway is 1.9 s, the instrument cluster interface displays three squares.



When the headway is 1.0 s, the instrument cluster interface displays one square.



When the headway is 1.5 s, the instrument cluster interface displays two squares.



In any case, the driver must maintain sufficient braking distance from the vehicle ahead and pay attention to the local highway traffic regulations that have corresponding requirements for minimum distance or shortest time. It is the driver's responsibility to comply with the law.

### Accelerating under ACC

Acceleration can be realized with either of the following two methods:

- Depress the accelerator pedal for active acceleration. In the case of active acceleration, the driver takes control of the vehicle and the instrument cluster shows the effect of active acceleration. When the driver releases the accelerator pedal, ACC continues to control the vehicle for cruising.
- If ACC has been activated, push the RES/+ button to accelerate slightly.


Each short push will increase the vehicle speed by 1 km/h; If pushed for a long time, the vehicle speed will continue to increase by 5 km/h until the button is released, with a maximum set speed of 150 km/h.


## Start-stop mode

In cruise following mode, if the vehicle ahead gradually stops, your vehicle will gradually stop and maintain a safe distance between the two vehicles.

- When your vehicle follows a vehicle and stops within 3 seconds, If the vehicle ahead resumes driving, ACC automatically resumes.
- When your vehicle follows a vehicle and stops for more than 3 seconds, if the vehicle ahead resumes driving, you should depress the accelerator pedal or push the speed adjustment and setting button in the RES/+ direction to resume cruising.
- In ACC start-stop mode, the maximum time to keep the vehicle stationary is 3 minutes. 3 minutes later, the EPB is activated and the ACC is deactivated.
- In ACC start-stop mode, if the driver deactivates the ACC, the vehicle starts up and the driver should take over the vehicle.

ACC is unable to recognize stationary vehicles and perform brake control on stationary vehicles.

 After stopping, ACC can still control the vehicle's movement. The vehicle may move without human intervention, which can cause serious injury or death.

 ACC may experience unexpected acceleration in the following situations. Please remain highly alert and actively apply brakes:

- When ACC follows the target vehicle, the target vehicle gradually stops. ACC will ignore the stationary vehicle and continue to cruise at the speed set by the driver.
- At the intersection, follow the vehicle ahead to turn at low speed. As the vehicle ahead turns, the following target disappears, and ACC will accelerate according to the set speed.

## Decelerating under ACC

If ACC has been activated, push the SET/- button to decelerate slightly. Each short push will decrease the vehicle speed by 1 km/h. If pushed for a long time, the vehicle speed will continue to decrease by 5 km/h until the button is released, with a maximum set speed of 30 km/h.

## Restoring the set speed

If the driver has set the ACC speed before depressing the brake pedal or pressing the ACC button, after which

the ACC will be deactivated, the set speed will be stored and the instrument cluster display will continue to display the set speed. To activate the ACC and retain the speed set last time, push the speed adjustment and setting button in the RES/+ direction.

### Deactivating ACC

The following methods can deactivate the ACC:

- Depress the brake pedal to exit the ACC mode.
- Press the ACC button to exit the ACC.
- When the ACC is activated, press the ACC button twice to turn off the ACC.
- Long press the ACC button to turn off the ACC.

ACC relies on the operation of other systems, such as stability control/anti-slip function ESC. If any of these systems stop working, the ACC automatically turns off.

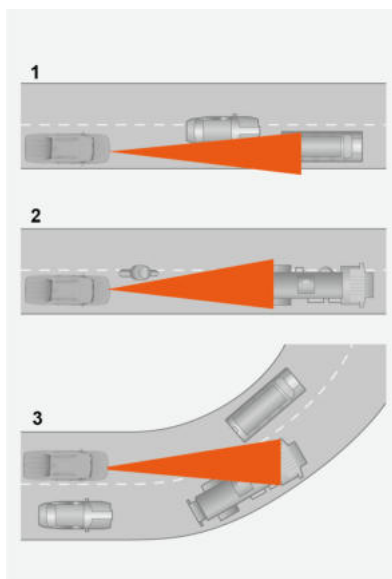
In the case of automatic deactivation, an audio signal will be emitted and text information will be displayed on the instrument cluster display. The driver must intervene to match the speed and headway with the vehicle ahead. Possible reasons of deactivating ACC, including but not limited to:

- The driver door is open.
- The driver unfastens the seatbelt.
- The wheel loses grip.

- The braking temperature is too high.
- The parking brake is applied.
- Mid-range radar is covered by wet snow or heavy rain.

### Detection problem

The detectable range of mid-range radar is limited. In some situations, mid-range radar may fail to detect vehicles or delay the detection time.



Detection problems may occur if:

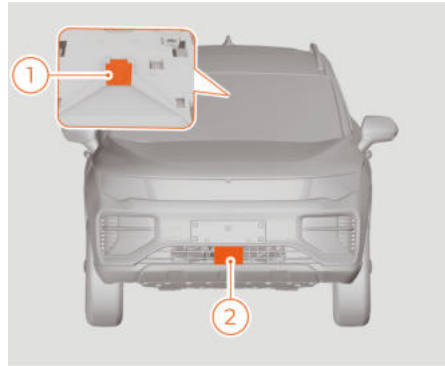
1. There is a vehicle moving slowly along your lane. ACC can only detect the corresponding vehicle that is completely in your lane.
2. When the vehicle ahead is a large truck, the time to detect the vehicle may be delayed.
3. When you enter or exit a curve on the road, detection problems

concerning the vehicle ahead of you may occur.

In these situations, you as a driver should keep alert, take emergency measures if necessary, and turn off the ACC system temporarily.

## Intelligent cruise control (ICC)

The Intelligent Cruise Control (ICC) can simultaneously perform cruise control and direction assistance control at a vehicle speed of 0 - 150 km/h. The system can control the vehicle speed according to the set vehicle speed and headway, and control the vehicle to drive in the middle of the lane or follow the vehicle ahead for trace control based on the lane lines on both sides. The Intelligent Cruise Control (ICC) is mainly designed to provide driving assistance for drivers on roads with good road conditions, such as highways and elevated roads, and the driver needs to control the vehicle at all times.



The sensors used for Intelligent Cruise Control (ICC) include:

1. Front monocular camera
2. Mid-range radar

The Intelligent Cruise Control (ICC) detects the vehicle ahead and the lane lines on both sides by using mid-range radar and front monocular camera and automatically adjusts the vehicle speed to maintain the speed or headway set by the driver, while maintaining the vehicle in the lane through direction assistance control.

The premise of the Intelligent Cruise Control (ICC) to provide lane keeping assist is that the system simultaneously detects the lane lines on both sides. If it can not detect lane lines or the lane lines are unclear, the Intelligent Cruise Control (ICC) will downgrade to cruise control only and no longer perform direction assistance control; when the system recognizes the lane lines on both sides again, it will automatically restore direction assistance control.



The ICC system is a comfort system, not an emergency warning and anti-collision system. It can assist the driver, but cannot replace the driver. Even if the ICC system is activated, the driver must maintain a distance from the vehicle ahead, control the vehicle at all times and always be responsible for vehicle manoeuvring. The driver needs to drive in accordance with laws and regulations.



Under the following conditions, the recognition performance of the ICC system may decrease or the system may not recognize, in which case the driver needs to actively control the vehicle and brake in time.

- There are some changes in vehicle posture due to excessive load in the luggage area and other reasons.
- The system is unable to recognize pedestrians, two-wheeled vehicles, tricycles and vehicles loaded with irregularly shaped cargo.
- The system is unable to recognize stationary or slow-moving vehicles or oncoming vehicles.
- The system cannot recognize vehicles or objects that cross the driving lane.
- The Intelligent Cruise Control (ICC) may not respond timely if another vehicle jumps the line to the front of the vehicle at low speed.
- When accelerating suddenly and approaching the vehicle ahead at high speed (with a significant speed difference from the vehicle ahead).
- In certain situations (such as when the speed of the vehicle ahead suddenly becomes too low compared to the speed of the vehicle and when the vehicle ahead cuts in the lane of the

vehicle with a small distance), the ICC system does not have enough time to reduce the relative speed.

- If the vehicle ahead suddenly brakes (emergency stop), the ICC system may fail to respond timely or react too slowly. In this case, the driver will not receive a takeover request.
- On roads with sharp curves, such as S-shaped roads, as the mid-range radar's field of view is limited, LCC system cannot properly detect the vehicle ahead, which can lead the vehicle controlled by ICC to accelerate.
- When the vehicle ahead in the adjacent lane cuts in the driving trajectory of the vehicle controlled by ICC, the detection may be affected or delayed in certain environments, such as low reflection intensity of the target (pedestrians, two-wheeled vehicles, tricycles), electromagnetic interference, resulting in the ICC system unable to recognize the target or accurately calculate the distance from the vehicle ahead. In this case, there may be no response from the ICC system or delayed braking.
- When the ICC system controls the vehicle to pass through an intersection by following the vehicle ahead, the vehicle will follow the vehicle ahead to

perform lateral movement, and there is a risk of side impact with adjacent lanes.



The driver should adjust the following distance to set the ICC system properly based on the traffic flow ahead and current weather conditions, such as rain and snow. The driver should be able to actively control the vehicle at all times to ensure safe driving.



Do not use the Intelligent Cruise Control (ICC) system under heavy loads.




If the ICC is activated with the vehicle stationary, the system will recognize the stationary obstacle in front of the vehicle as a vehicle and keep still to ensure a safe starting and avoid collisions with the stationary target due to unexpected starting. Stationary targets include but are not limited to speed bumps at intersections, trees, people and railings.





When ICC system is active, if the driver depresses the accelerator pedal, the vehicle will be taken over by the driver to respond to the demand of speeding up. The ICC system's control function will not work.




When entering or exiting a curve, target selection may be delayed or disturbed. The ICC system may brake unexpectedly or brake late.

 If the distance between the vehicle controlled by ICC and the adjacent lane is too small (or if the vehicle in the adjacent lane is too close to the lane of the vehicle controlled by ICC), the ICC system may react to the vehicle and brake.

 The field of view of mid-range radar shall not be obstructed by pollutants. Especially when it is covered completely by snow, it will cause the ICC system to be exited, and then the system exit message will be displayed on the instrument cluster to the driver.

 The fitting of mid-range radar may be affected by vibration or collision, which will degrade the system performance. At this time, it is necessary to recalibrate the mid-range radar.

 Drivers must be particularly vigilant when encountering the following situations:

- When the ICC system is activated with the vehicle stationary and confirms to start, if there are pedestrians, children, animals, two-wheeled vehicles, tricycles or obstacles in front of the vehicle, the ICC system cannot detect and identify them, causing a serious risk of collision. The driver must confirm the area in front of the vehicle is safe before activating the ICC system to control the vehicle to start off.
- If the vehicle enters the overtaking lane and there is no vehicle ahead, the ICC system will automatically accelerate to the set cruise speed.
- The ICC system cannot detect the items loaded or accessories mounted on the target vehicle that protrude from its side, rear end or roof. If the vehicle ahead is equipped with the above special loads or equipment, the ICC system must be turned off when overtaking such a vehicle.
- Metal objects such as tracks or metal plates used for road construction may interfere with mid-range radar, making it unable to function properly.
- For safety reasons, when towing a trailer, the ICC function cannot be activated, so this function is



exited.

- For safety reasons, do not use the ICC system when the visibility is poor, or when driving on ramps and roads with many curves or on slippery roads (such as roads covered by ice and snow, wet roads or waterlogged roads).
- After the system requires the driver to take over the vehicle, if the vehicle continues to move, the driver must depress the brake pedal to brake.
- If the instrument cluster display prompts the driver to take over the vehicle, the driver must immediately control the distance between the vehicle and the vehicle ahead.
- Drivers must always be prepared to control the vehicle by accelerating or braking.
- There should be no other objects (such as a licence plate bracket) blocking the front and surrounding area of the mid-range radar, otherwise, it may affect the ICC system.

- The mid-range radar is installed under the front bumper. If the mid-range radar is covered by dirt, the ICC system cannot work normally and text prompts will be displayed on the instrument cluster. Please clean up timely or visit the Riddara authorised service centre for inspection and maintenance.
- Structural modifications to vehicles, such as lowering the chassis height or changing the front licence plate mounting plate, may affect the ICC system.



Under the following road conditions, the performance of ICC direction assist will degrade or fail to work. The driver should keep alert.

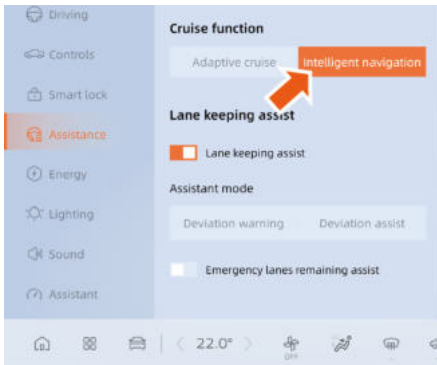
- The ICC system is not suitable for roads with a small curve radius.
- The ICC system is not suitable for roads with invisible lane lines.
- The ICC system is not suitable for fork roads.
- The ICC system is not suitable for roads with vehicle marks (such as tyre marks).
- The ICC system is not suitable for roads with increased or decreased lane numbers.
- The ICC system is not suitable for roads with large deviations between the original lane and the new lane.
- The ICC system may recognize road edges (such as walls, guardrails, curbs, lawns, green belts, and asphalt joints) as lane lines.
- The ICC system is not suitable for pothole roads, bumpy roads and uneven roads.
- The ICC system cannot recognize road signs (cones) and is therefore not suitable for roads under construction.
- The ICC system is not suitable for situations with sudden changes in light, including but not limited to entering/exiting the tunnel.

- The ICC system is not suitable for roads that are too wide or too narrow.
- The ICC system is not suitable for roads on which the lane line turns.
- The ICC system is not suitable for steep downhill roads.
- The ICC system is not suitable for poor weather conditions with reduced visibility.

When driving through the entrance of highways or main roads, the ICC system is unable to change lanes and may experience function downgrade due to changes in the road, and only ACC is available.

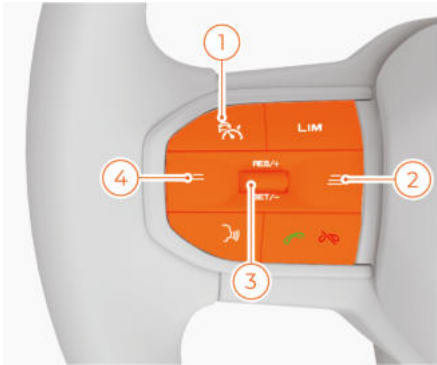
The ICC system is unable to operate under complex road conditions, such as road conditions with heavy traffic, complex and varied traffic conditions, crossings, intersections, ramps, lane line loss, etc., so the driver needs to supervise and be ready to take over. The ICC system only provides a comfortable experience under suitable road conditions, and the driver is fully responsible for safe driving.

## Function selection



Click on the multimedia display step by step: My car → Driving assistance → Cruise function, and select Intelligent Cruise Control (ICC) on this screen.

## Function activation



The ICC control button is on the left of the steering wheel.

1. ICC button  
Short press this button to turn on, off or exit the ICC system.
2. Increase Headway button  
Short press this button to increase the following distance of the ICC system.
3. Speed adjustment and setting button
  - RES/+ (Restore/Accelerate)  
Push this button in the RES/+ direction to restore the cruise speed to the original setting, increase the cruise speed or increase the speed limit value.
  - SET/- (Set/Decelerate)  
Push this button in the SET/- direction to set the current speed to the cruise speed, reduce the cruise speed or decrease the speed limit value.
4. Decrease Headway button  
Short press this button to decrease the following distance of the ICC system.



To activate the ICC, the following conditions must be met:

- Press the Intelligent Cruise Control (ICC) button to enable the Intelligent Cruise Control (ICC) system.
  - The gear is in the drive position (D).
  - The READY indicator lamp on the instrument cluster is on.
  - The doors are closed.
  - The brake pedal is not depressed while the vehicle is in motion.
  - There is no fault with the brake disc.
  - No over-temperature, fouling or malfunctioning of mid-range radar.
  - The ESC system is on.
  - Electric Parking Brake (EPB) is released.
  - The driver's seat belt is buckled up.
1. When the vehicle is stationary, activate the ICC system as follows:
    - Enable the Intelligent Cruise Control (ICC) and the Intelligent Cruise Control (ICC) status indicator on the instrument cluster turns on in grey;
    - Depress the brake pedal or activate the AUTO HOLD function.
  2. When the vehicle is in motion, activate the ICC system as follows:
    - Push the speed adjustment and setting button to activate the Intelligent Cruise Control (ICC);
    - The ICC system can keep the vehicle stationary after releasing the brake pedal;
    - Push the speed adjustment and setting button again to RES/+ direction or depress the accelerator pedal to enable the Intelligent Cruise Control (ICC) to control the vehicle for starting off.

When the vehicle follows the vehicle ahead at low speed, the lane line is blocked by the vehicle ahead or the system cannot detect any lane line temporarily. The system can perform lateral control based on the driving trajectory of the vehicle ahead to maintain longitudinal and lateral operations. In this case, the driver should always keep alert.



Vehicle ahead 1: Grey when the ICC system is not activated; when the ICC system is activated, it is in blue; when the ICC system is activated and the vehicle ahead is close to the vehicle, it is in yellow; when the ICC system is activated and the vehicle ahead is too close to the vehicle, it is in red.

Lane line 2: When the system does not detect lane lines, no lane lines are displayed; when the Lane Keeping Assist (LKA) system is not activated, the lane lines are displayed in grey; when the Lane Keeping Assist (LKA) system intervened with steering wheel control, the lane lines are displayed in blue; when the Lane Keeping Assist (LKA) system gives an alarm, the lane lines are displayed in red.

The curvature of lane lines may be displayed inaccurately due to sensor performance limitations, such as displaying straight lanes as curves.

Intelligent Cruise Control (ICC) status indicator 3: When the ICC system is not activated, the indicator is in grey; when

ICC system performs cruise control and lane keeping assist simultaneously, the indicator is in green; when ICC system has a fault or the driver takes over the steering wheel temporarily, the

indicator is in yellow.

Set vehicle speed 4: If the ICC system function is not activated, the set vehicle speed 4 is in grey; if the ICC system function is activated, the set vehicle speed 4 is in white; in addition, if the ICC system is enabled, the set vehicle speed 4 is “— km/h” in green after pressing the main switch.

### Cruise control

The cruise setting speed adjustment method and headway adjustment method of the Intelligent Cruise Control (ICC) are consistent with that of the Adaptive Cruise Control (ACC). The relevant cruise control function modes and precautions of the ICC system are consistent with those of the ACC system. Please refer to the Adaptive Cruise Control (ACC) section for details.

### Curve deceleration

When the vehicle enters a curve with clear lane lines, the ICC will control the vehicle to slow down appropriately.



- On roads with unclear lane lines (such as roads at night/in rainy or snowy weather), the curve deceleration function may not be activated. The driver needs to pay attention to the road conditions and control the vehicle.
- The curve deceleration function is limited by the lane line conditions and recognition ability and may be triggered incorrectly. Therefore, the driver needs to control the vehicle at all times.

### Direction assistance control

The Intelligent Cruise Control (ICC) system recognizes the lane lines on both sides when it is activated and keeps the vehicle in the middle of the lane. In this case, the lane pattern in the instrument will be highlighted. If the Intelligent Cruise Control (ICC) system cannot detect the lane lines on either side or both sides, it will no longer maintain the lane centring control but will continue to perform cruise control. At this time, the ICC will give a prompt sound indicating the function is exited, the lane pattern will turn grey, and the colour of the lane lines will turn grey; if the Intelligent Cruise Control (ICC) system recognizes the lane lines on both sides again, it will automatically restore the lane centring

control, and the ICC status indicator will illuminate in green.

When the vehicle follows the vehicle ahead at low speed and the lane line is blocked by the vehicle ahead or temporarily lost, the ICC can perform direction control based on the driving trajectory of the vehicle ahead and the vehicle moves slowly sideways following the vehicle ahead. Therefore, the Intelligent Cruise Control (ICC) system can continue to maintain cruise control and direction control. At this time, the driver should pay special attention to the traffic conditions on both sides.

### Hand off warning



**Please hold the steering  
wheel firmly**

**Confirmar**

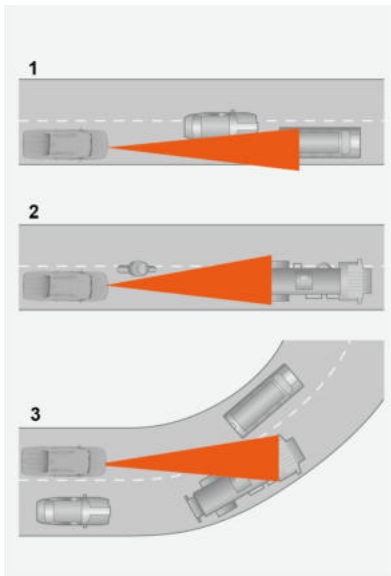
The prerequisite for the Intelligent Cruise Control (ICC) system to work is that the driver holds the steering wheel with both hands. The ICC continuously monitors this, and if the hand-off time exceeds a certain period of time, the instrument cluster will display a hand-off warning message, reminding the

driver to hold the steering wheel tightly with both hands. If the driver does not react, the Intelligent Cruise Control (ICC) system will be exited after the hand-off warning message is displayed again.

If the driver lightly rests his/her hands on the steering wheel for a long time, there may be a hand-off warning prompt. At this time, the driver should hold the steering wheel tightly.

## Detection problem

The detectable range of mid-range radar is limited. In some situations, mid-range radar may fail to detect vehicles or delay the detection time.



Detection problems may occur if:

1. There is a vehicle moving slowly along your lane. The system can

only detect corresponding vehicles that have fully entered the driver's lane.

2. When the vehicle ahead is a large truck, the time to detect the vehicle may be delayed.
3. When you enter or exit a curve on the road, detection problems concerning the vehicle ahead of you may occur.

In these situations, the driver should keep alert, take emergency measures if necessary, and turn off the ICC system temporarily.

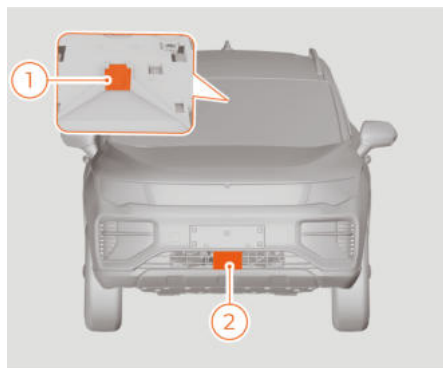
The detectability of the front monocular camera is limited. In certain situations, the front monocular camera may not be able to accurately detect lane lines and is susceptible to interference from the environment. Lane line detection problems may occur if:

- The lane lines are not painted according to national standards and cannot be recognized.
- The clarity and contrast of lane lines are low and cannot be recognized.
- The surface of the lane lines is covered by sand, dust, water, snow, etc., and cannot be recognized.
- The wheel marks caused by the vehicle ahead on rainy and snowy days, as well as those caused by the braking of the vehicle ahead, may be recognized as lane lines due to high contrast.

- Road boundaries, curbs, etc. may be recognized as lane lines.
- Continuous lane-line-shaped shadows on the road, such as the shadow of railings, may be recognized as lane lines.

### Lane keeping assist (LKA)

Lane Keeping Assist (LKA) System consists of Lane Departure Prevention (LDP) and Lane Departure Warning (LDW). The system recognizes lane lines by using a front view camera and calculates the distance between the vehicle and the left and right lane lines. When the vehicle departs from the lane, the system will provide auxiliary correction force to prevent departure or remind the driver to control the vehicle in the lane.



The sensors used for Lane Keeping Assist (LKA) system include:

1. Front monocular camera
2. Mid-range radar

### Function type

#### Lane Departure Prevention (LDP)

Lane Departure Prevention (LDP) will assist the driver in controlling the vehicle back to the lane by applying torque to the steering wheel when the vehicle approaches the lane line and there is a risk of deviation.

#### Lane Departure Warning (LDW)

Lane Departure Warning (LDW) alerts the driver in the event of an unintentional lane departure of the vehicle. Unintentional lane departure includes the lane departure that has already occurred and the lane departure that is about to occur.

#### Emergency Lane Keeping Assist (ELKA)

The vehicle equipped with Emergency Lane Keeping Assist (ELKA) can help the vehicle return to its own lane in the following situations:

- The vehicle is about to collide with the curb.
- Unintentional lane departure and collision with opposing vehicles occur.
- Unintentional lane departure and collision with the pedestrians in the adjacent lane occur.



ELKA cannot handle all situations in all traffic, weather and road conditions.



This function cannot detect fences, railings or similar obstacles on the roadside.



**!** ELKA is enabled only when there is a high risk of collision, so do not wait for this function to intervene.

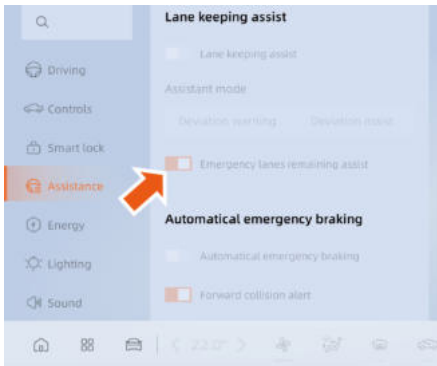
**!** The driver should stay attentive and alert at all times to ensure that the vehicle is driven safely at a vehicle speed of 65 km/h, while keeping an appropriate distance from other vehicles and observing current traffic laws and regulations.

**!** Emergency Lane Keeping Assist (ELKA) is enabled by default each time the vehicle is started. Lane Departure Warning (LDW) and Lane Departure Prevention (LDP) will memorize the driver's selection status.

**!** Lane keeping assist (LKA) is only a driver assist function. It is not a common solution in all driving situations or traffic, weather and road conditions. The driver should always take full responsibility for ensuring safe driving and comply with applicable laws and road traffic regulations.

**!** Abnormal tyre pressure, incorrect wheel alignment parameters, inconsistent tire usage, incorrect tyre models or other reasons can all lead to malfunction of lane keeping assist. The driver should use this assist function under normal vehicle conditions.

## Function selection



Click on the multimedia display step by step: My car → Driving assistance → Lane keeping assist, and then turn on or off the emergency lane keeping assist function on this screen.

After either Lane Departure Warning (LDW) or Lane Departure Prevention (LDP) function is enabled, the Lane Keeping Assist (LKA) system status indicator on the instrument cluster illuminates in green.



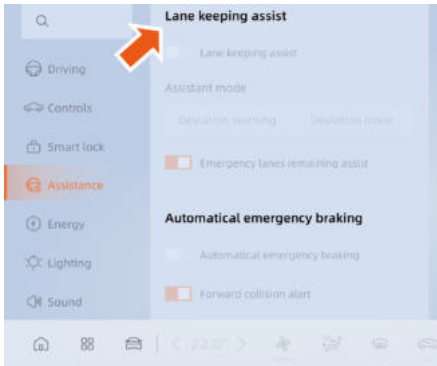
Under the following road conditions, the performance of lane keeping assist (LKA) may degrade or fail to work. The driver should keep alert.

- The LKA system is not suitable for roads with a small curve radius.
- The LKA system is not suitable for roads with invisible lane lines.
- The LKA system is not suitable for fork roads.
- The LKA system is not suitable for roads with vehicle marks (such as tyre marks).
- LKA system is not suitable for roads with increased or decreased lane numbers.
- The LKA system is not suitable for roads with large deviation between the original lane and the new lane.

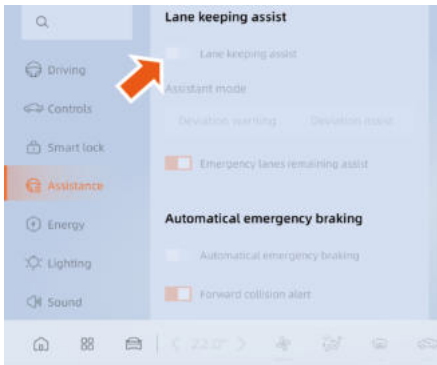
- LKA system may recognize road edges (such as walls, guardrails, curbs, lawns, green belts, asphalt joints) as lane lines to maintain lane centring control according to this boundary. Therefore, there may be a certain deviation between the actual control and the actual lane.
- The LKA system is not suitable for pothole roads, bumpy roads and uneven roads.
- The LKA system is unable to recognize road signs (cones) and is therefore not suitable for roads under construction.
- The LKA system is not suitable for situations with sudden changes in light, including but not limited to when entering/exiting tunnels.
- The LKA system is not suitable for roads that are too wide or too narrow.
- The LKA system is not suitable for roads on which the lane line turns.
- The LKA system is not suitable for poor weather conditions with reduced visibility.

### Function on

The driver can choose whether to enable this function through the multimedia setting interface as shown in the following figure:



## Function selection



The driver can select the assist mode on the multimedia by clicking My car → Driving assistance → Lane keeping assistance function interface.

- Departure warning: Only Lane Departure Warning (LDW) function is enabled.
- Departure assist: Lane Departure Prevention (LDP) + Lane Departure Warning (LDW) functions are enabled.

## Display of lane Keeping Assist (LKA)

**i** The curvature of lane lines may be displayed inaccurately due to sensor performance limitations, such as displaying straight lanes as curves. The LKA system will display the information related to the working status of the system on the instrument cluster.

The LKA system will display the information related to the working status of the system on the instrument cluster.

When Lane Departure Warning (LDW) or Lane Keeping Assist (LKA) system is enabled, LKA indicator is in green; when Lane Departure Warning (LDW) or Lane Keeping Assist (LKA) system has a fault, LKA indicator is in yellow.



When the system does not detect lane line, no lane line is displayed.

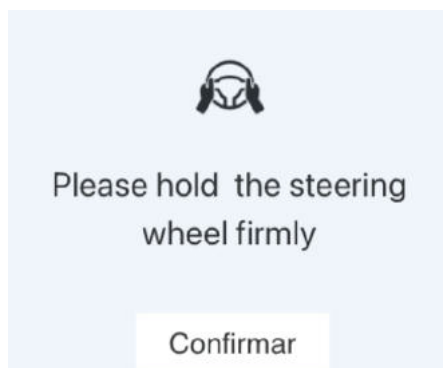
When the Lane Keeping Assist (LKA) system is not activated, the lane line is displayed in grey.

When the Lane Keeping Assist (LKA) system is on standby, the lane line is displayed in white.

When the Lane Keeping Assist (LKA) system gives an alarm, the lane line is displayed in red.

When the Lane Keeping Assist (LKA) system detects the intervention of steering wheel torque control, the lane line is displayed in blue.

### Hand off warning



The prerequisite for LKA system to work is that the driver holds the steering wheel by both hands. The system continuously monitors this. If the hands-off time exceeds a certain threshold value, it will give a hands-off warning, reminding the driver to hold the steering wheel tightly with both hands.

If the driver does not take over the vehicle for a long time, causing the system to issue a hand off warning again, the lane keeping assist function will automatically be exited, and this

function will be unable to be used until the driver controls the vehicle again.

If the driver lightly rests his/her hands on the steering wheel for a long time, there may be a hand-off warning prompt. At this time, the driver should hold the steering wheel tightly.

### Lane departure warning (LDW)



This system is a driver assistance tool. It is not a substitute for human caution and judgment in driving. The driver still needs to drive carefully. This function can be set on the infotainment system.



When the vehicle speed increases to above 60 km/h, the lane departure warning (LDW) function is automatically activated. When the vehicle speed drops below 55 km/h, this function is deactivated.

When the front camera detects unintentional lane departure, the system will alert you to stay in the original lane through a warning. The system uses the camera installed behind the interior rearview mirror to automatically detect lane lines. LDW can use any combination of visual and auditory sense to warn the driver.

## Warning screen



### Lane departure warning (LDW)

When LDW detects the vehicle departing from the lane, the instrument cluster will display a warning.

The lane line indicates that LDW detects this lane. If this lane is not detected, no lane line is displayed. If the colour of the lane line is white, it indicates LDW detects lane lines, but the vehicle does not depart from the lane. When the vehicle approaches the lane line, the lane line turns red.

### Warning conditions

When the system detects the following conditions, the system will issue a warning (including warning screen and warning sound) to remind the driver:

1. When driving along the boundary of the lane, there is a risk of deviating from the lane. If no turn signal lamp is turned on, left or right side warning is issued,

reminding the driver to correct the direction.



2. If only lane line on one side is detected and no turn signal lamp is turned on when driving along the boundary of the lane, only issue a warning for the side with lane line.



### Warning suppression

After a warning is triggered, if the wheel on the warning side is still within the warning area, a new warning will be suppressed. In addition, the following operations can also suppress the warning:

### Conditions for warning suppression

Lane width  $< 2.5\text{m}$  or  $> 5.5\text{m}$

Hazard warning lamps are turned on

Emergency brake is applied

ABS and ESP are activated

The steering angle of the steering wheel is large

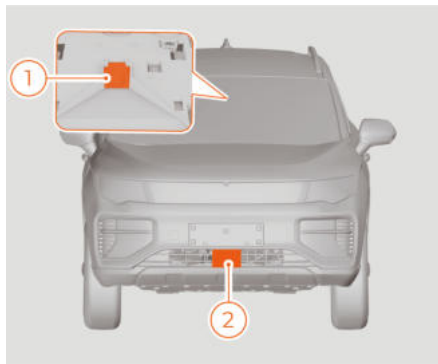
The steering wheel is turned faster

A turn signal lamp is turned on

## Automatic emergency brake system (AEB)

The automatic emergency brake system will take corresponding measures to assist the driver in avoiding or mitigating the collision by monitoring the distance and relative speed of the target ahead when the driver brakes too late, applies too little braking force or does not brake at all.

The automatic emergency brake system includes the Automatic Emergency Brake System (AEB) and Forward Collision Warning (FCW) system.




The sensors used for the automatic emergency brake system include:


1. Front camera
2. Mid-range radar


**!** No automatic system can guarantee 100% normal operation under any circumstances. Therefore, do not intentionally drive the vehicle toward people or objects to test the FCW/AEB performance. Otherwise, it may cause traffic accidents, resulting in serious injury or death.


**!** The system is for assistance only and cannot detect all pedestrians (if equipped with a front camera), cyclists (if equipped with a front camera) or vehicles under all conditions. The driver is always responsible for driving safely and keeping a safe distance.


**!** The system only provides warning and brake assistance, so the driver should always keep alert, be responsible for driving safely and abide by the current laws and traffic regulations.


 For safety concerns, the system cannot function without the driver seat belt fastened.


 Usually, the system operates in the background and is not detected by the driver. When the system detects a danger, it will warn or brake to protect the passengers. False triggers may occur due to system performance limitations, and the driver must always pay close attention to the surrounding environment.


 Please note that the front camera (if equipped) and mid-range radar cannot detect dangerous obstacles ahead in all situations. Bad weather like rain, snow or fog may degrade the system performance and in such cases, some targets may not be detected or detected too late by the system.


 Certain scenarios will affect the detection of mid-range radar, such as roads with guardrails, tunnels, vehicles ahead driving in/out, and roads with sharp curves.


 The system will not react to animals, small vehicles (such as tricycles), irregular vehicles, pedestrians (if not equipped with a front camera), cyclists (if not equipped with a front camera), oncoming and crossing vehicles.

 For safety concerns, the implementation of the AEB system needs support from the Electronic Stability Control (ESC) system. When the driver switches off the ESC system, the AEB system will not work.

 When the vehicle is subject to impact or strong vibration, the position of the radar may shift, which will degrade the system performance. In severe cases, the system will provide a fault alert. In this case, the driver should contact a Riddara authorised service centre for inspection and repair as soon as possible.

 Please keep the exterior surface of the radar and camera (if equipped with a front camera) clean, otherwise it will affect system performance and in severe cases, AEB cannot work.

 In complex driving conditions, the system may brake unnecessarily. For example, in construction sites, at rails, on road manhole covers, in underground garages, or when the vehicle ahead sprays or splashes water.

 The performance of the system in detecting effective targets may vary depending on vehicles, pedestrians (if equipped with a front camera), cyclists (if equipped with a front camera), scenes and road conditions.

**!** If the driver depresses the accelerator pedal or performs steering intervention during the automatic emergency braking, the system will exit the automatic emergency braking even if a collision cannot be avoided.

**!** If the AEB is triggered, the driver still needs to depress the brake pedal forcibly.

**!** Strong sunlight, reflections and extreme light contrast may make it difficult for the driver to see the visual warning signal, and may also affect the detection ability of the front camera (if equipped).

**!** The front camera (if equipped) and mid-range radar have a limited field of view. In some situations, the system may detect vehicles or pedestrians (if equipped with a front camera) or cyclists (if equipped with a front camera) later than the expected time or not detect them at all.

**!** Please keep the front camera (if equipped) and mid-range radar and their surrounding areas clean to ensure the system works properly. Do not place or stick any objects around the front of the front camera (if equipped) and mid-range radar. Otherwise, the system will not work properly.

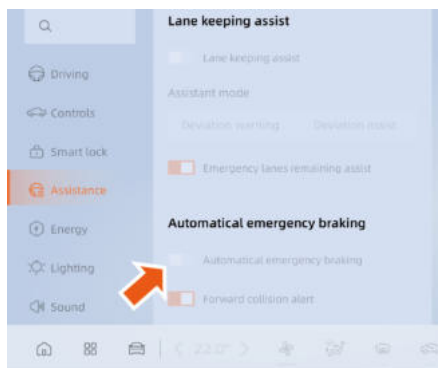
**!** When the front camera (if equipped) is blocked or its function is limited, the automatic emergency braking performance may be degraded or even unavailable.

**!** The braking distance will be extended on slippery roads, which may reduce the anti-collision performance of the AEB.

**i** If the temperature inside the vehicle is very high, the front camera may be temporarily turned off and the system may not issue a warning (if equipped with a front camera).

**i** This function will not be enabled when the driving speed is low, so the system will not intervene and brake when the vehicle is approaching the vehicle or pedestrian ahead at a low speed, for example, when parking.

## Function on



Click on the multimedia display step by step: My car → Driving assistance →



Automatic emergency brake, and then turn on or off the automatic emergency brake function on this screen.

The automatic emergency brake system is a safety system. It is activated by default in every power-on cycle. After being turned on, it allows activation of the alarm function and selection of its sensitivity. The system will save the driver's selection, and it is unnecessary to select each time when getting on the vehicle.

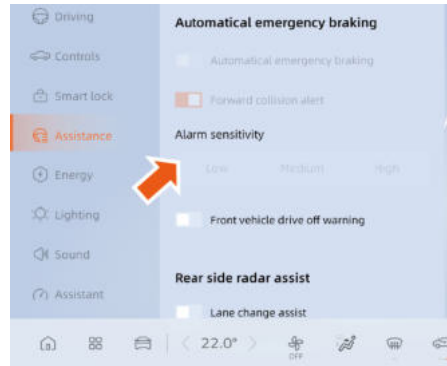
The alarm sensitivity is divided into three levels: low, mid, and high.

Low sensitivity: indicates the alarm distance is shorter and the alarm is relatively late.

Mid sensitivity: indicates the alarm distance is moderate and the alarm is between early and late.

High sensitivity: indicates the alarm distance is longer and the alarm is relatively early.

If the driver thinks the alarm is too frequent, a lower sensitivity can be selected to reduce the total alarms.



The system will assist the driver in the following ways when it detects that there is a danger:

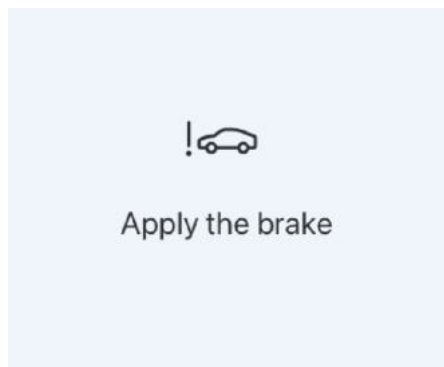
- **Safe distance alarm**  
The safe distance alarm function operates in a non-emergency state. When the vehicle speed reaches 65 km/h or higher, it is used to remind the driver that the distance following the vehicle ahead is too small. The driver should adjust the driving behaviour and keep a proper distance.
- **Predictive collision warning (PCW)**  
When the vehicle speed reaches 30 km/h or higher and the system judges there is a potential collision risk, it will remind the driver of the potential collision risk by providing an alarm sound and displaying alarm images on the instrument cluster.
- **Emergency brake assist (EBA)**  
When the vehicle speed reaches 30 km/h or higher, if a danger occurs, but the driver's current braking force is too small, the system will

assist the driver in increasing the braking force to avoid or mitigate the collision.

- Automatic emergency brake (AEB)  
When a danger occurs and the driver fails to brake effectively, the system will intervene promptly and perform an automatic emergency brake to avoid or mitigate the collision. Automatic emergency brake can reduce the speed by up to 60 km/h.

### Function activation

When the AEB system is triggered, picture and text prompts will be displayed on the instrument cluster with an acoustic alarm.



### Emergency brake function for pedestrians and two-wheeled vehicles

The purpose of the emergency brake function for two-wheeled vehicles is to avoid or mitigate the collision with

two-wheeled vehicles crossing the lane.

The emergency brake functions for two-wheeled vehicles include:

- Pre-filling: pretreatment of the braking system to achieve faster deceleration and decompression.
- Two-wheeled vehicle warning:  
When the system detects a collision risk with the two-wheeled vehicle ahead, it sends an acoustic and image alarm to remind the driver to respond.
- Automatic emergency brake - partial braking: trigger the automatic partial braking in case of emergency collision with two-wheeled vehicles and no response from the driver.
- Automatic emergency brake - full braking: trigger full braking in case of emergency collision with two-wheeled vehicles and no response from the driver.
- When the emergency braking function for two-wheeled vehicles in the AEB system is triggered, picture and text prompts will be displayed on the instrument cluster with an acoustic alarm.
- This function is activated at a vehicle speed of 4-90 km/h.

### Target detection

The targets that can be detected by the Automatic Emergency Brake System (AEB) include vehicles

(passenger cars, trucks, buses, etc.), pedestrians and cyclists.

### Vehicles

Automatic Emergency Brake System (AEB) can detect most stationary vehicles or vehicles moving in the same direction.

The vehicles can be detected within a certain range at night only when the front combination lamp turns on normally.

### Pedestrians

The system can work best only when it detects clear and accurate information about the body shape of the pedestrian. This means that the system can identify the head, arms, shoulders, thighs, upper body, lower body and other parts of the person clearly when standard human movements are detected.

The system can detect pedestrians that contrast with the background, such as pedestrians whose clothing colour has a sharp contrast with the surrounding environment colour.

If the contrast is low, pedestrians will be detected later or not detected at all, which means that warnings and braking will be delayed or unavailable. If the pedestrians are partially blocked, their body shapes cannot be easily identified based on their clothing, and if they are less than 0.8 m tall or carrying large objects, they cannot be

detected, which means the braking cannot be achieved.

### Cyclists

The system can only identify adult cyclists riding bicycles designed for adults. The system can work best only when it detects clear and accurate information about the human body and bicycle contours. This means that the system can clearly recognize the bicycle, head, arms, shoulders, thighs, upper body, lower body, etc., in combination with standard human movement.

The cyclists who are blocked partially with low background contrast or with large cargo loaded cannot be detected by the system, which means the braking cannot be realized.

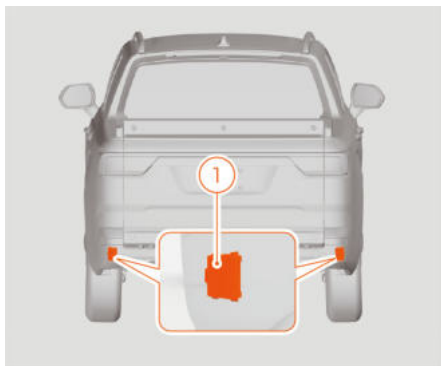
## Shutdown and fault

The AEB OFF indicator on the instrument cluster lights up when the AEB is turned off. When AEB fails, the AEB malfunction indicator lamp on the instrument cluster lights up.

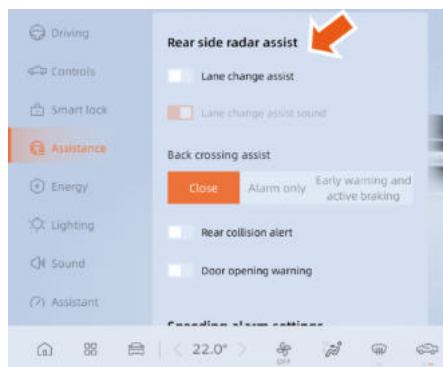
## Rear side radar system (RSRS)

Rear Side Radar System (RSRS) detects the rear side area of the vehicle with the millimetre wave radar sensors mounted on both sides inside the rear bumper and provides Lane Change Assist (LCA), Rear Cross Traffic Alert

(RCTA), Rear Collision Warning (RCW) and Door Open Warning (DOW).



1. Rear side millimetre wave radar  
All function switches remain in the previous set state. Click on the multimedia display in turn: My car → Driving assistance → Rear side radar assistance, and select to turn on or off each function on this interface.



The system reminds the driver to drive safely through the illumination/ flashing of the blind spot warning lights in the exterior rearview mirror, prompts on the instrument cluster,

acoustic alarms and flashing of hazard warning lights.

With the start switch in the ON position, when the rear side radar system status indicator on the instrument cluster is in green, the system functions properly and when this indicator 🟡 is in yellow, the system has a fault. 🟢



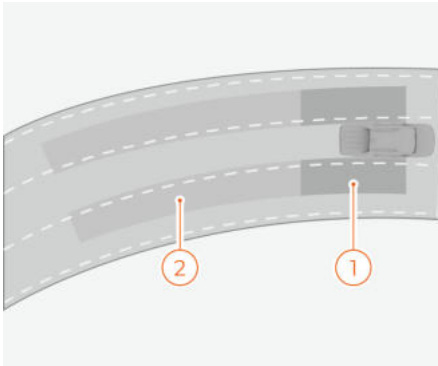
If the temporary fault is not resolved or the system has a fault, please contact a Riddara authorised service centres for inspection and repair as soon as possible.



- Please keep the surface on both sides of the rear bumper clean.
- Do not place any objects, tapes or labels in the sensor area.
- Do not remove or replace the sensor without authorization.

### Lane Change Assist (LCA)

Lane Change Assist (LCA) covers blind spot areas and the rear side area where vehicles approach fast. It helps the driver to be more alert to the approaching vehicles from blind spots and the rear side, especially when turning or changing lanes. The Lane Change Assist (LCA) functions at a vehicle speed of 15 - 155 km/h.



1. Blind spot areas
2. Area with fast-approaching vehicles

When the warning conditions are met, the exterior rearview mirror warning light turns on or flashes. If the sound of Lane Change Assist (LCA) is turned on, there is a sound alarm.



LCA may not function in the following situations:

- In bad weather, such as rainy and snowy days.
- For stationary targets, etc.
- For pedestrians, bicycles, etc.
- In sharp curves, open areas, etc.

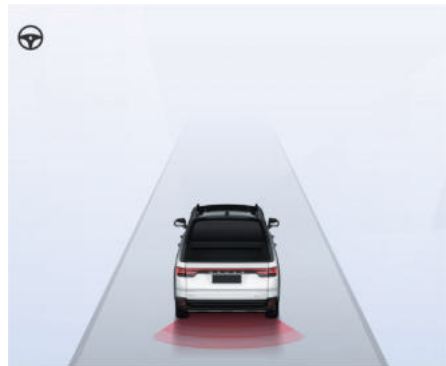
- When the driver quickly changes the lane within a short period.

**!** The Lane Change Assist (LCA) function does not work in all situations and is not a substitute for the interior rearview mirror and exterior rearview mirror.

**!** The Lane Change Assist (LCA) function is only a driver assistance function, and it cannot avoid collisions. The driver must always control the vehicle, pay attention to alarm reminders and take corresponding measures, and bear full driving responsibility for vehicle control. The driver needs to drive in accordance with laws and regulations.

### Rear Collision Warning (RCW)

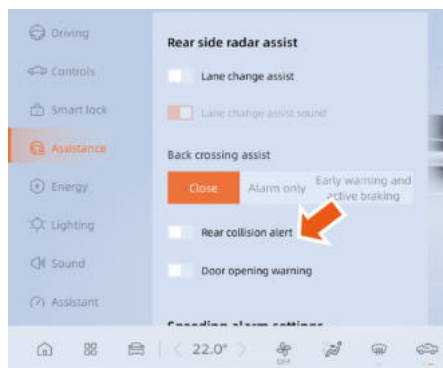
It monitors the target behind the vehicle and displays a warning message on the instrument to remind the driver of a fast-approaching vehicle from behind while the hazard warning lamp flashes to remind the vehicles behind.



The Rear Collision Warning (RCW) function is on in non-R gear and the vehicle does not roll backwards. It detects the approaching targets from behind, including the following:

- Motor vehicles.
- Electric vehicles or motorcycles.

Tap: My car → Driving assistance → Rear Cross Traffic Alert (RCTA) on the multimedia display step by step, and select to turn on or off RCTA function on this screen.



RCW may not function properly in the following situations:

- The vehicle behind changes the lane at the last minute.
- In bad weather such as rainy and snowy days.
- In sharp curves, on slopes or in other scenes, the detection of vehicles behind is too late.
- The vehicle speed exceeds 150 km/h or the relative speed to the vehicle behind is less than 10 km/h.



- Rear Collision Warning (RCW) function is only a driver assistance function and cannot work in all situations.
- Rear Collision Warning (RCW) function cannot avoid collisions and the driver should pay attention to the reminder and take corresponding measures, always taking safe driving as his or her responsibility.

### Door open warning (DOW)

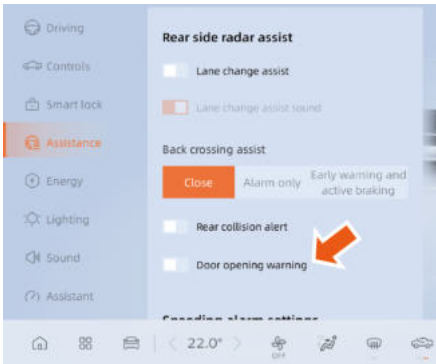
When the vehicle is stationary, the sensor detects moving targets approaching from the rear side. When there is a potential risk of collision when opening the door, the blind spot warning light in the exterior rearview mirror turns on and emits an acoustic warning, reminding the driver to pay attention to the risk when opening the door.

Door Open Warning (DOW) function mainly detects the following targets:

- Motor vehicles.
- Electric vehicles or motorcycles (two-wheeled vehicles).
- Bicycles.
- Pedestrians.

Tap: My car → Driving assistance → Rear Cross Traffic Alert (RCTA) on the multimedia display step by step, to

turn on or off Door Open Warning (DOW) function on this interface.



DOW may not function properly in the following situations:

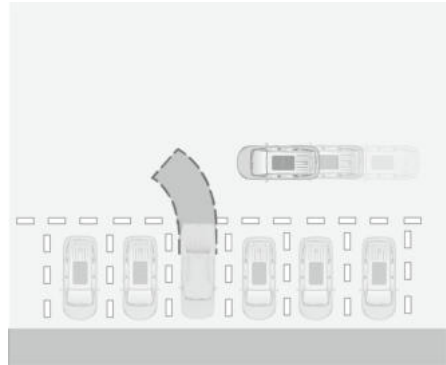
- In bad weather, such as rainy and snowy days.
- For stationary targets or slow-moving targets.
- For fast-approaching or moving-away vehicles.
- The radar beam is blocked by surrounding obstacles or parked vehicles.

**i** The Door Open Warning (DOW) function stops operating after the vehicle is powered off for 3 minutes or the vehicle is locked and powered off.

**!** The Door Open Warning (DOW) function is only a driver assistance function and it does not work in all situations and is not a substitute for the interior rearview mirror and exterior rearview mirror.

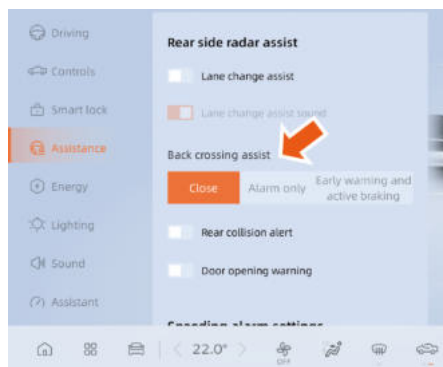
**!** Door Open Warning (DOW) is not a substitute for cautious judgment of the driver and passengers. It is always the responsibility of the driver and passengers to open the door and get out of the vehicle safely.

## Rear Cross Traffic Alert (RCTA)

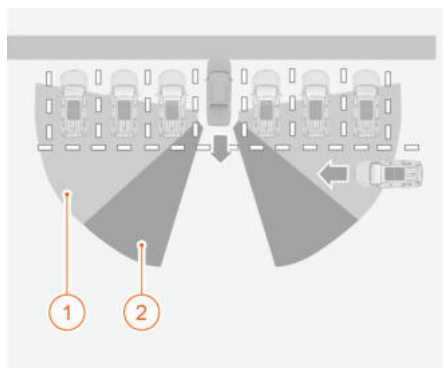


When the system detects a collision risk between a moving vehicle approaching laterally from the rear side and the vehicle during reversing, the blind spot warning light in the exterior rearview mirror flashes and emits an acoustic warning, reminding the driver to pay attention to the traffic behind the vehicle.

If the risk of collision is high and the driver does not take avoidance measures, it will actively apply the brake to stop the vehicle.




Rear Cross Traffic Alert (RCTA) can be selected in the multimedia setting interface.




1. Blind spot
2. Detectable area

RCTA may not function properly in the following situations:

- The radar is blocked by surrounding obstacles.
- In bad weather, such as rainy and snowy days.
- For stationary targets or slow-moving targets.
- For fast-approaching or moving-away vehicles.

 The Rear Cross Traffic Alert (RCTA) function is only a driver assistance function and it does not work in all situations and is not a substitute for the interior rearview mirror and exterior rearview mirror.

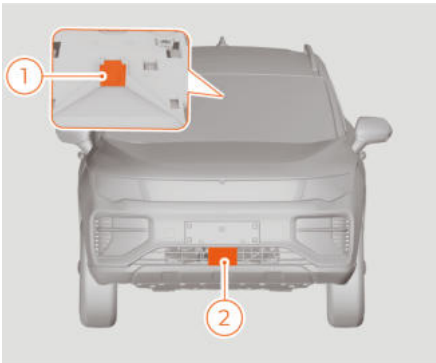
 Rear Cross Traffic Alert (RCTA) does not in any way mean that the driver can be inactive and lax, and it is always the responsibility of the driver to reverse correctly and safely. Rear Cross Traffic Alert (RCTA) function cannot prevent collisions from occurring, the driver needs to pay attention to the alarm and take appropriate measures, always taking safe driving as his or her responsibility.



## Forward car leaving warning (FCLW)

When the vehicle stops following the vehicle ahead, the vehicle ahead starts off to leave. When the vehicle ahead has driven a certain distance and reached a certain speed, and there are no other suppression conditions, the Forward Car Leaving Warning (FCLW) function will be triggered. It reminds the driver by displaying a text "forward vehicle leaving" in current interface of the instrument and emitting an alarm sound; when the reminder exceeds a certain period of time or the vehicle starts off, or one of the suppression conditions is met, the warning function stops.

## Sensors for Forward Car Leaving Warning (FCLW)



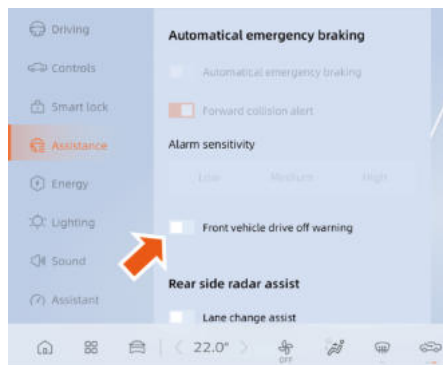
1. Front camera
2. Mid-range radar

## Conditions for warning suppression

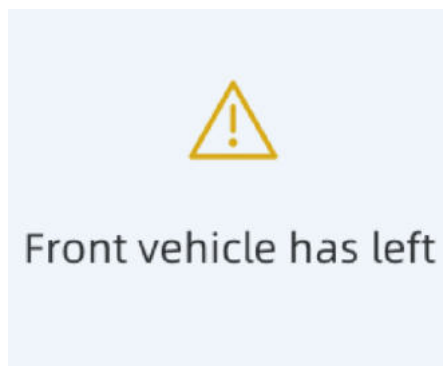
- The gear is not in D;
- Four doors, bonnet and trunk lid are not closed completely;
- EPB is pulled up;
- The driver slams on the accelerator pedal;
- The driver seat belt is unfastened;
- The relevant sensor has a fault;
- The distance between the vehicle and the vehicle ahead is too far;
- The time of your vehicle and the vehicle ahead being stationary is short.

**!** Forward Car Leaving Warning (FCLW) function is only a driver assistance function, but not a substitute for the observation and judgment about traffic conditions as well as the responsibility of the driver for safe driving. Due to the complex driving environment of vehicles such as real-time traffic, roads and weather, the sensors cannot ensure accurate detection under various conditions. If the sensor cannot detect the vehicle ahead, the start off reminder will not work.

### Function on



Click on the multimedia display step by step: My car → Driving assistance → Automatic emergency brake, and then turn on or off the Forward Car Leaving Warning (FCLW) function on this screen.

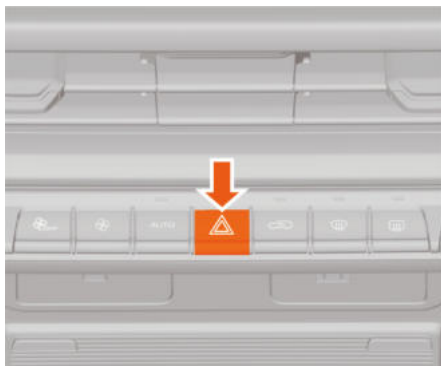


After the function is activated, a text "The vehicle ahead has departed, please resume cruise" on the instrument with an alarm sound.

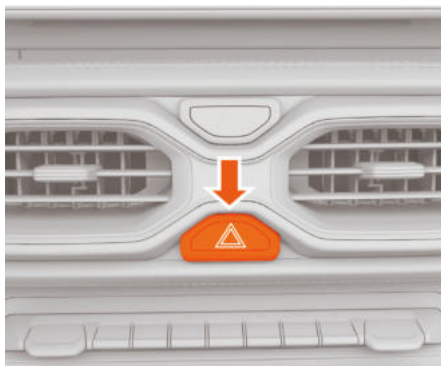
## Hazard warning device

### Hazard warning lamp

#### Type 1



#### Type 2

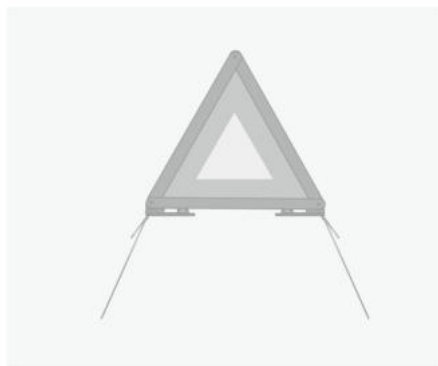


In special cases where the vehicle needs to be decelerated or stopped in an emergency, press the hazard warning lamp switch. The indicator lamp on the switch will flash with the exterior left & right turn signal lamps to warn other road users. Press the switch again to turn off the hazard warning lamp.

### Warning triangle



The warning triangle is stored under the left rear seat and can be seen by turning back the seat cushion.



On an ordinary road, set the warning triangle 50 m to 100 m behind the vehicle; on an expressway, set it 150 m behind the vehicle, or 200 m in case of rain or fog.

### Reflective vest



The reflective vest is stored in the glove box and can be seen by opening the box.



In an emergency, the driver should wear a reflective vest in the vehicle before exiting the vehicle to protect personal safety.

### Jump start

#### Jump start

The vehicle is equipped with an intelligent recharge function, which recharges the low-voltage battery automatically from the power battery when the low-voltage battery is depleted. If the low-voltage battery is depleted for other reasons and the vehicle needs to be jump-started, perform the following operations to ensure safety.



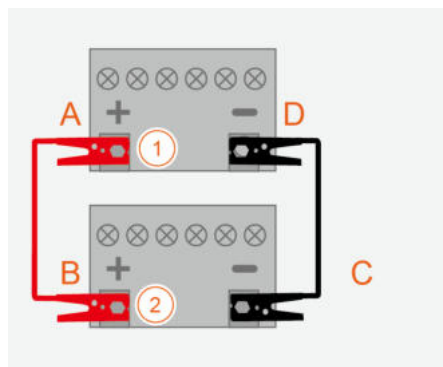
Improper use of jump cables may lead to a low-voltage battery explosion, resulting in serious injury or death! To reduce the risk of accidents, observe the following points:

- When working in the front compartment, always carefully read and observe the related safety warning instructions.
  - Always carefully read and observe the safety warning instructions related to low-voltage battery operations.
  - The voltage of the low-voltage power supply battery must be the same as that of the depleted low-voltage battery (12V), and the capacities of the two low-voltage batteries should also be the same as far as possible (see the specifications marked on the low-voltage battery); otherwise, it may cause an explosion!
  - If the low-voltage battery freezes, do not use the jump lead to start the vehicle; otherwise, it is very easy to cause an explosion! Even after the low-voltage battery is thawed, the electrolyte in it may leak, resulting in chemical ablation. Therefore, frozen low-voltage batteries must be replaced!
  - Strictly observe the operating instructions provided by the jump lead manufacturer.
- Do not connect the negative cable directly to the negative terminal of the depleted low-voltage battery; otherwise, the gas generated by the low-voltage battery may be ignited by the electric spark, causing an explosion!
  - There should be no static electricity near the low-voltage battery, because the gas in it may be ignited by the electric spark generated by static electricity, causing an explosion!
  - Do not connect the negative cable to the brake hose/line.
- The uninsulated parts of the wire clamp should not contact each other. In addition, the jump lead connected to the positive terminal of the low-voltage battery must not be in contact with the metal parts of the vehicle. Otherwise, it may cause a short circuit.
  - Place the jump lead properly, taking care to avoid contact with the moving parts in the front compartment.
  - Never lean over the low-voltage battery during operation, and be careful not to be burned by acid fluid!

### Connecting jump lead

1. Turn the start switch to the OFF position and turn off all lights and electrical accessories of the vehicle except the hazard warning lamp (if necessary).

**!** Using an open flame near the low-voltage battery may cause the gas in the low-voltage battery to explode, resulting in serious injury or death. The acid fluid in the low-voltage battery may cause burns, so do not let the acid fluid splash on your body. If the acid fluid spills into your eyes or on the skin, rinse with water and seek medical attention immediately.



1. Depleted low-voltage battery
2. Charged low-voltage battery
2. Connect one end of the red positive cable to the positive (+) terminal (A) of the depleted low-voltage battery.
3. Connect the other end of the red positive cable to the positive (+) terminal (B) of the charged low-voltage battery.
4. Connect one end of the black negative cable to the negative (-)

terminal (C) of the charged low-voltage battery.

5. Connect the other end of the black negative cable to the negative (-) terminal (D) of the depleted low-voltage battery.
6. Try starting the vehicle with a depleted low-voltage battery. Please contact a Riddara authorised service centre if it doesn't start after several attempts.

**!** Connect or remove the jump cables in the correct order, and ensure that the cables do not contact each other or other metals. If the jump leads are connected or removed in the wrong order, an electrical short circuit may occur and the vehicle may be damaged, resulting in repairs that are not covered by warranty.

### Removing jump lead

Disconnect the jump leads in the order of terminals D-C-B-A.

## Towing vehicle

### Towing tips

This is a battery electric vehicle and you can choose a platform device to tow the vehicle. The operator loads your vehicle onto the truck. This is the best way to transport your vehicle.



Both the towing vehicle and the towed vehicle shall turn on the hazard warning lamps.



Do not tow the vehicle yourself, otherwise it will be seriously damaged.

### Towing eye

The towing eye is stored in the tool kit under the right rear seat and can be used to tow a vehicle that has been broken down.

When using the towing eye, follow the instructions in "Towing Tips" and "Precautions When Using the Towing Eye" in this section.




### Precautions when using the towing eye

- Ensure that the towing eye is firmly and reliably screwed into the mounting hole.
- It is recommended to install a licensed tow bar or rope on the towing eye.
- Do not use the towing eye to tow the vehicle to the platform rescue vehicle.
- Do not use the towing eye to rescue a trapped vehicle.



Keep a safe distance from the vehicle when using the towing eye.


- Do not use a towing chain/belt on the towing eye. The towing chain/belt may break, resulting in personal injury or death.
- Failure to follow the correct instructions for the use of the towing eye may result in a rupture of the component, which may result in personal injury or death.

 The towing eye is only for road rescue and shall not be used for other purposes.

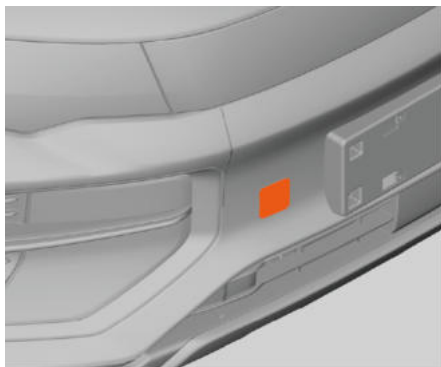
- When using the towing eye, be sure to use the corresponding equipment (such as a rigid tow bar or towing rope) in accordance with road traffic regulations to tow the vehicle over a short distance to the nearest maintenance point.
- The towing eye must not be used to tow vehicles on off-highway or road surface with obstacles.
- When using the towing eye, the towing vehicle and the towed vehicle must be kept on the same centre line as much as possible. Failure to follow the above instructions may result in damage to the vehicle.



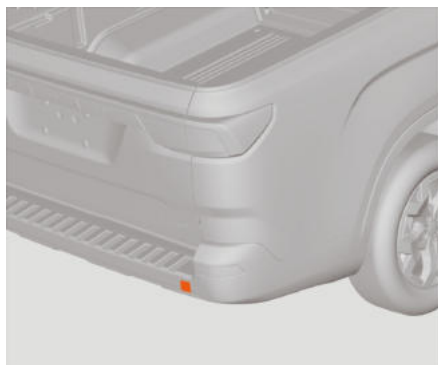
When installing the front towing eye, pry up the towing hole cover plate at its lower edge, and then screw the towing eye into the mounting hole to ensure that the towing eye is fully tightened.

 Drive the vehicle slowly, as too much traction will damage the vehicle.

### Fitting the front towing eye



The mounting hole for the front towing eye is located on the right side of the front bumper.



The mounting hole for the rear towing eye is located on the right side of the rear bumper.





When installing the rear towing eye, pry up the towing hole cover plate at its lower edge, and then screw the towing eye into the mounting hole to ensure that the towing eye is fully tightened.

### Towing mode (if equipped)

The vehicle is equipped with the function of towing RVs. After the towing function is activated, the following comfort and safety assist functions will be temporarily restricted and stop working, and will be restored when the towing function is switched off:


- Adaptive cruise control (ACC)
- Automatic emergency brake system (AEB)
- Lane keeping assist (LKA)
- Intelligent cruise control (ICC)
- Blind spot detection (BSD)
- Door open warning (DOW)
- Parking assist
- Smart U-turn assist

When towing a recreational vehicle (RV), the driver is required to have the relevant qualifications. Before using the towing function, check the regulations about relevant motor vehicles in the local region. Because the regulations vary in regions, you need to select the RV that meets the specifications, and you can consult the Riddara authorised service centre before towing.



- Be sure to make a smooth start-off and avoid rapid acceleration or emergency braking on slippery surfaces, which may result in loss of vehicle control due to skidding.
- Side wind and rough roads may cause the vehicle to swing, seriously affecting the manoeuvring of the vehicle. In any case, if you notice slight vehicle sway, hold the steering wheel with both hands and slowly reduce the speed.
- When towing a vehicle, the vehicle's braking distance will be increased. Therefore, you should increase the distance from the vehicle ahead.

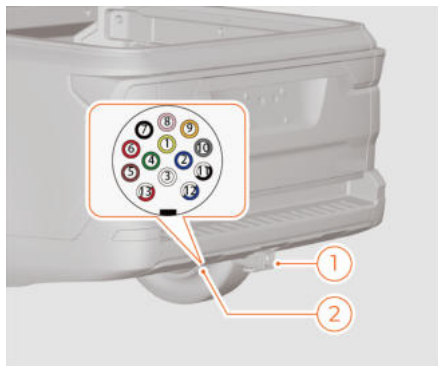
- When overtaking, the towing vehicle needs a longer overtaking distance before returning to the original driving lane.
- When towing a vehicle, be sure to turn smoothly, try to avoid bumps or sudden manoeuvring of the steering wheel, and turn on the turn signal lamps in advance.
- The towing vehicle should slow down in advance when driving towards a steep or long slope. The speed is controlled according to the weight of the towed vehicle and the slope of the road.
- Avoid parking on slopes as much as possible. If this is unavoidable, place a stopper under the tyres of the towing vehicle and the towed vehicle, and apply the parking brake.
- To avoid the trailer function failure, do not tow a heavily-loaded RV.
- The trailer socket should be checked and cleaned promptly after contacting water to ensure it is dry and clean inside the socket.
- When installing and using the trailer socket, do not twist the shell at will to avoid socket failure.
- Do not remove and reassemble the trailer socket without permission to avoid the failure of the trailer socket.

 Before driving, make sure the tyre pressure, lighting and connection devices of the towing vehicle and trailer are normal.


- When towing an RV, please comply with relevant local laws and regulations and never modify the vehicle without permission.
- Make sure that the cargo is securely attached to the trailer and that the trailer is level.
- Do not use a new vehicle to tow an RV within its break-in period.
- Do not tow an RV equipped with an electric service brake.

## Electrical connector

The electrical connector is installed at the central left position on the rear bumper and can be used after the protective cover is opened.



1. Towing hook
2. Electrical connector


 When the electrical connector is not in use, do not clean the electrical connector with a high-pressure water gun directly, for the water will damage the connector.

The electrical connector equipped on the vehicle is a 13-pole connector, and the applicable standard is ISO 11446:2004. The specific pin functions are as follows:

Pin number	Function
1	Left turn signal lamp
2	Rear fog lamp
3	General ground wire
4	Right turn signal lamp
5	Right position lamp
6	Brake lamp
7	Left position lamp
8	Reversing lamp
9	Connecting battery
10	Switch power
11	Switch GND
12	Vacant
13	Power GND

## Towing mode on and off

When the vehicle is in P gear, the towing mode is actively turned on after the electrical connector is connected, and the towing mode is turned off when the connector is disconnected.

 Before turning on the towing mode, ensure the vehicle is in P gear.

## Technical parameters

The towing capacity of the vehicle depends on vehicle specifications, load, road conditions, trailer specifications, etc. Please refer to the table below for specific parameters.

Item	Parameters
Maximum authorised towed mass (with braking) (kg):	3000
Maximum authorised towed mass (without braking) (kg):	750
Size limit for allowable towed centre axle trailer (mm):	Not exceeding its body width ( $\leq 1900$ )
Connecting ball joint:	Comply with the size requirements of ECE R55 A CLASS for ball joints.

# Replacing tyres

## Tyres

### Overview

If you have any questions about the tyre warranty and repair points, please see the vehicle's Warranty and Maintenance Manual for details. For additional information, please contact the tyre manufacturer.



Tyres lack maintenance and used incorrectly are very dangerous. Tyre overload or underinflation can cause tyre deformation, leading to serious injury or death.

Be sure to check all tyres frequently to maintain the recommended pressure values. Check the tyre pressure when the tyres are cold. Please see "Tyre Pressure (Cold)" in "Technical Data". Overinflated tyres are more likely to be scratched, punctured or burst by sudden impact. Therefore, the tyre should maintain the recommended pressure value.

Old or damaged tyres can lead to accidents. If a tyre's tread is seriously worn or the tyre has been damaged, replace it in time.



Underinflation or overinflation of the tyre may affect the tyre and the vehicle driving. If the tyre is underinflated, the following will occur:

- Excessive deformation
- Overheating
- Tyre overload
- Premature or irregular wear
- Poor manoeuvrability

If the tyre is overinflated, the following will occur:

- Abnormal wear
- Poor manoeuvrability
- Poor riding comfort
- Unnecessary damage due to dangerous road conditions




### Tyre pressure

The tyre cannot work effectively unless it has the correct inflation pressure.

A tyre pressure label is attached to the vehicle. The label is located below the outside of the left centre pillar and indicates the recommended tyre pressure.

## Tyre pressure monitoring system

The tyre pressure monitoring system alerts the driver to check the tyre pressure by turning on the abnormal tyre pressure warning lamp. After the tyres are inflated to the pressure recommended on the tyre pressure label when they are cold, each tyre should be checked once a month. If the abnormal tyre pressure warning lamp is on, it indicates that one or more tyres have abnormal pressures. In this case, stop the vehicle as soon as possible, check the tyre pressure and deflate the tyre to the correct pressure. The tyre pressure label attached to the vehicle indicates the cold tyre pressure. The vehicle's tyre pressure monitoring system can alert you of abnormal tyre pressure, but it is not a substitute for normal tyre maintenance, as described in the "Tyre Inspection and Rotation" section of this chapter. When a tyre is renewed or rotated, the position of the tyre pressure sensor should be correctly matched to that of the tyre.

 When the vehicle runs in winter, if all four tyres are replaced with snow tyres (while the sensors are not installed on the tyres), the instrument cluster indicates that the sensor signal is lost and triggers a system failure alarm.

### Tyre inspection

#### When should tyres be inspected

Check the tyres at least once a month.

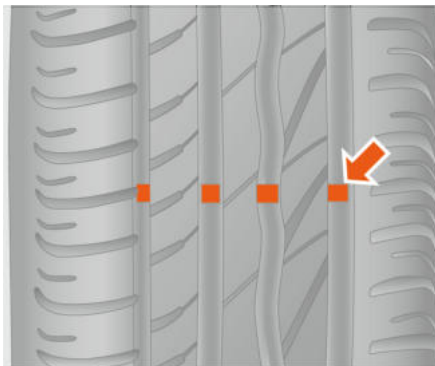
Please see the “Tyre Pressure (Cold)” section in the “Technical Data” for tyre inflation pressure.

#### How to check a tyre

Check the tyre pressure with a premium pocket tyre pressure gauge. Check the tyre inflation pressure when the tyre is cold. Remove the valve cap from the tyre valve. Press the tyre pressure gauge firmly against the valve to measure the pressure. If the cold tyre inflation pressure reaches the recommended value on the tyre pressure label, no adjustment is needed. If the inflation pressure is too low, inflate the tyre to the recommended pressure. If the tyre is overinflated, press the metal valve core of the tyre valve to deflate the tyre. Check the tyre pressure once again with the tyre pressure gauge. Be sure to refit the valve cap to the valve core. The valve cap can prevent dust and moisture from entering the tyre.

#### When to replace a tyre

Maintenance, temperature, driving speed, vehicle load and road conditions affect the tyre service life.



One way to judge when to replace with a new tyre is to check the tread wear indicator, which appears when the wheel is worn to a total tread thickness of about 9.4 mm.

Replace a tyre with a new one in any of the following situations:

- A wear indicator appears on the tyre.
- The cord or ply is exposed through the tyre rubber.
- The tread or sidewall is fractured, cut, or has any crack from which the cord or ply is visible.
- The tyre has a bulge, projection or delamination. The tyre is punctured, cut, or otherwise damaged and cannot be fully repaired due to the damaged area or location.

Please consult the tyre manufacturer for more information if you are unsure when the tyre needs to be replaced.



Please dispose of waste tyres in accordance with relevant environmental protection laws.

### Purchasing new tyres

Make sure that the dimensions, load range, rated speed and structure type of the new tyre are the same as that of the original tyre when purchasing a new tyre. It is recommended to replace four tyres all together. Please see the "Tyre Inspection and Rotation" section in this chapter for more information on tyre rotation.



If tyres on the vehicle are of different dimensions or types (radial tyre or bias belted tyre), traffic accidents and damage may be incurred due to poor manoeuvrability. All wheels should be equipped with tyres of proper dimensions and type.



Only radial tyres should be used for the vehicle, otherwise the vehicle may be suddenly out of control, causing an accident.

### Tyres and wheels of different dimensions

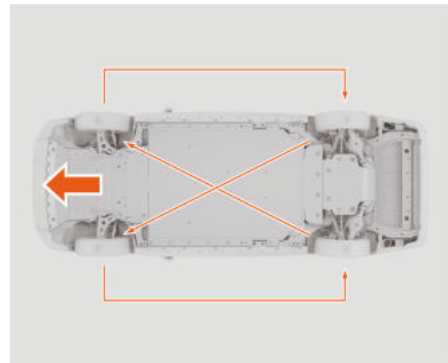
If the original wheels and tyres are replaced with ones different in size, the vehicle's performance or the functionality of the electronic system may be impaired.



A tyre with the specification that is not recommended in this manual may not be able to provide enough performance and safety, increasing the risk of traffic accidents.

### Tyre inspection and rotation

Check the vehicle's tyres regularly for signs of wear or damage. See "When to Replace a Tyre" in this chapter for details. It is recommended that tyre rotation should be performed every 10,000 km or so. Regular tyre rotation is to make all the tyres of the vehicle wear evenly. Whenever abnormal wear is found, perform tyre rotation promptly and check the wheel alignment. Also check the tyres or wheels for damage. See "When to Replace a Tyre" and "Replacing Wheels" sections in this chapter.



When performing tyre rotation, be sure to follow the correct rotation pattern shown in this figure. After performing tyre rotation, adjust the inflation pressure of the front and rear tyres according to the instructions on the tyre pressure label of the vehicle. See "Tyre Pressure" in this chapter.



Rust or dirt on the wheels or wheel connecting pieces may cause the looseness of wheel nuts after being used for a certain period, which could lead to the wheels coming off and causing an accident. When replacing a wheel, remove the rust or dirt from the connecting part between the wheel and the vehicle.



It is very dangerous to use improper wheels and wheel nuts on the vehicle. They will affect the braking performance and manoeuvrability of the vehicle, which may cause accidents, resulting in injury or death. Therefore, be sure to replace the wheels and wheel nuts with the correct ones.

## Wheel alignment and tyre balance

Wheel alignment should be checked if any abnormal tyre wear or vehicle deviation is found. If the vehicle is bumpy while driving on a flat road, it may be necessary to balance the tyres and align the wheels again. Contact a Riddara authorised service centre for inspection and repair as soon as possible.



Using incorrect wheels can also cause problems in the service life of bearings, brake cooling system, speedometer or odometer calibration, clearance between the tyre or tyre chain and the body/chassis, etc.

## Replacing wheels

Replace the wheels that are bent, cracked, severely rusted or corroded. If the wheel nuts become loose frequently, replace the wheel, hub and wheel nuts. If any of the wheels, wheel nuts or tyre pressure monitoring system sensors need to be replaced, replace them with genuine parts. Ensure that the wheels, wheel nuts and tyre pressure monitoring system sensors match the vehicle.

### Using old wheels

Do not use old wheels, or it will cause an accident. If you need to replace a wheel, use a genuine new one.

## Winter tyres


Winter tyres are used to increase the friction on icy or snowy roads. Using winter tyres may lead to a decrease in the traction force of the vehicle on the dry road, an increase in road noise and a shortened service life of the tread. Also, pay attention to changes in vehicle manoeuvre and braking.

For details on the availability of winter tyres and the selection of suitable tyres, please contact a Riddara authorised service centre. If winter tyres are used:


- The tyres for all four wheels shall be of the same brand and tread pattern type.



- Use only radial tyres with the same dimension, load range and rated speed as the original tyres.
- Do not exceed the maximum rated speed of the tyres.

 Because snow tyres are not of the original specifications, there may be unexpected and wrong tyre pressure warnings.

### Tyre chains


 As tyre chains are not considered as the equipment of the vehicle, the following information is provided for reference only.



Please determine whether the tyre chains are needed according to the road conditions.

Avoid full load of the vehicle as far as possible when tyre chains are applied. In addition, drive cautiously at a low speed. Otherwise, the vehicle may be damaged or its manoeuvrability may be affected.

Always use the tyre chains suitable for your tyre size and fit them in strict accordance with the manufacturer's instructions.

 Never use tyre chains on a dry road surface.

### In case of flat tyre

When a tyre bursts or breaks during driving, please hold the steering wheel and gently depress the brake pedal to slow down. The vehicle can easily lose control if the brake is suddenly applied or if the steering wheel is turned suddenly.

If a tyre is found to be leaking, please follow the steps below:

1. Drive the vehicle slowly to a safe flat area to avoid further damage to the tyres and wheels.
2. Turn on the hazard warning lamp and place a warning triangle in an appropriate position.
3. Repair the tyre with a quick tyre repair kit.



Take the following measures to prevent the vehicle from moving:

- Apply the parking brake.
- Move the electronic shift lever to Park (P)/Neutral (N) position.
- Never leave any occupants in the vehicle.
- Before repairing the tyre with a quick tyre repair kit, place a stopper in front and back of the remaining tyres.

## Rapid tyre repair



Place the vehicle on a safe, level, and firm road surface and use a quick tyre repair kit for repair. Turn on the hazard warning lamp, and place a warning triangle at the specified distance.



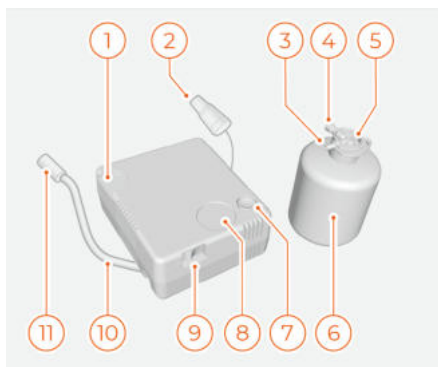
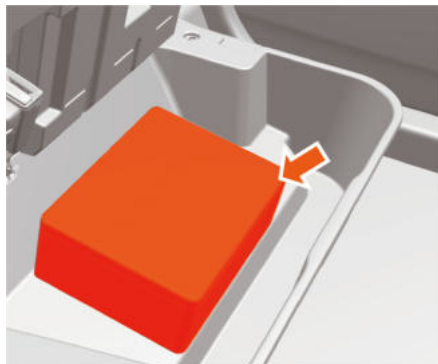
The quick tyre repair kit is only suitable for sealed tyres with punctures in the tread.



After using the quick tyre repair kit, the driving speed should not exceed 80 km/h (The maximum driving distance is 200 km). Visit a Riddara authorised service centre as soon as possible to check whether the sealed tyre needs to be repaired or replaced.

## Introduction to the quick tyre repair kit

The quick tyre repair kit is under the rear seat.

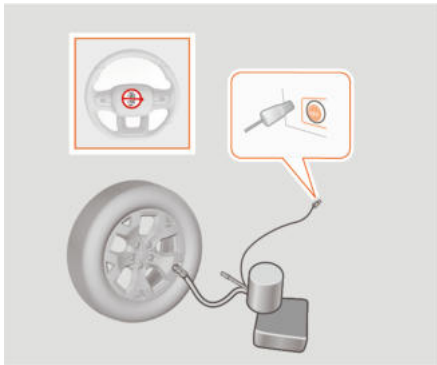


1. Air pump groove
2. Cable
3. Tyre repair sealant air tube
4. Tyre repair sealant valve
5. Tyre repair sealant cover
6. Tyre repair sealant tank
7. Pressure reduction valve
8. Pressure gauge
9. Switch
10. Air hose
11. Air hose protective cover

The quick tyre repair kit is used to repair punctured tyres, and check and adjust the tyre pressure. The tyre repair sealant tank must be used before the expiration date and replaced after use.

**!** The quick tyre repair kit has limited ability to seal punctured tyres and is for emergency use only. Do not use the quick tyre repair kit if the tyre has large slits, cracks or similar damage.

### Sealing the punctured tyres



1. Remove the label for the maximum allowable speed (attached to the bottom of the tyre repair sealant tank) and attach it to the steering wheel.

**i** Do not damage the tyre repair sealant tank before use. The seal is opened when the tyre repair sealant tank is screwed in.

**!** The tyre repair sealant irritates the skin. If the sealant is in contact with the skin, wash the skin immediately with soap or water.

2. Check to make sure that the electric air pump switch is in O position, then take out the wire and air hose.
3. Connect the air tube of the electric air pump to the tyre repair sealant valve.
4. Insert the tyre repair sealant cover into the air pump groove from the side.
5. Connect the tyre repair sealant air tube to the tyre valve.
6. Plug the cable into the 12V power socket and start the vehicle.

**!** Do not leave children unattended in the vehicle while the drive motor is running.

7. Turn the electric air pump switch to position I.

**!** Do not stand next to the tyre while operating the electric air pump. When detecting cracks or unevenness, turn off the electric air pump immediately. Do not continue to drive the vehicle. Contact a Riddara authorised service centre for inspection and repair as soon as possible.


**i** The pressure increases to 6 bar when the electric air pump is started, but drops about 30 seconds later.


8. Inflate the tyre for a few minutes.

**!** The operating time of the electric air pump should not exceed 10 minutes, otherwise there is a risk of overheating.

## Fault during driving

9. Turn off the electric air pump and check the pressure on the pressure gauge. The minimum pressure is 1.8 bar, and the maximum pressure is 3.2 bar.

 If the tyre pressure is too high, release some air with the pressure reduction valve.

 A pressure lower than 1.8 bar indicates a large puncture; in this case, do not drive. It is recommended to contact a Riddara authorised service centre for inspection and repair.


10. Turn off the electric air pump and remove the wire from the 12V power socket.
11. Remove the tyre repair sealant hose from the electric air pump.
12. Drive the vehicle immediately for 10 minutes or 8 km at a speed of no more than 80 km/h to allow the tyre repair sealant to seal the tyre evenly.


## Rechecking the tyre


1. Reconnect the air tube of the electric air pump to the tyre valve.
2. Read the tyre pressure on the gauge.
  - If the tyre pressure is below 1.8 bar, it means that the tyre is not completely sealed and you cannot continue driving. In this case, contact a Riddara authorised service centre.

- If the tyre pressure exceeds 1.8 bar, inflate the tyre to the pressure specified in the tyre pressure table. If the tyre pressure is too high, release the air with the pressure reduction valve.

3. Make sure the electric air pump is turned off. Separate the air hose and cable. Install the valve cap.

 After the tyre is inflated, be sure to reinstall the dust cap to protect the tyre valve from gravel or dust. Only use a plastic dust cap. Metal dust caps may rust, making it difficult to unscrew.

 The tyre repair sealant tank and hose must be replaced after use.

 Check the tyre pressure regularly.

## Tyre inflation

The original tyres can be inflated with an electric air pump.

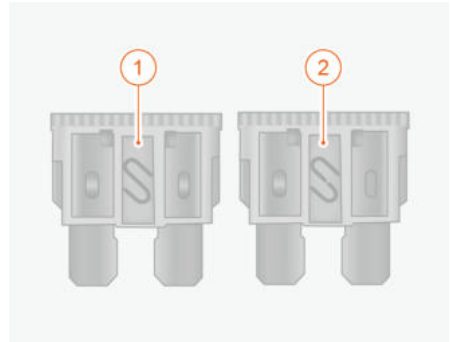
1. The electric air pump must be turned off. Check that the switch is in position O and take out the cable and air hose.
2. Loosen the wheel valve cap and screw the joint of the air pump tube into the thread at the bottom of the tyre valve.
3. Connect the cable to the accessory power outlet and start the vehicle.
4. To start the electric air pump, turn the switch to position I.

5. Inflate the tyre to the pressure specified on the tyre pressure label (If the tyre pressure is too high, release air with the pressure reduction valve).
6. Turn off the electric air pump. Separate the air hose and cable.
7. Reinstall the electric air pump into the mounting groove.

## Changing fuses

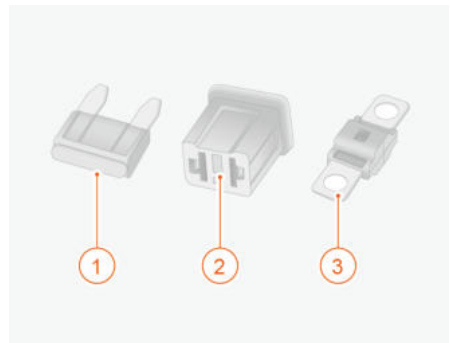
### Fuse position and identification

The wires and electrical equipment can be protected by blowing the fuses to prevent circuit overload. If the circuit fails and stops working, the fuse can be removed from the fuse box to check if the metal wire in the fuse is blown.



1. Intact
2. Blown

Fuses are located in the compartment fuse box on the left side of the front compartment and in the interior fuse box on the left side of the dash panel. There are three different types of fuses:



## Fault during driving

1. Blade fuse - fast acting, plug-in type, rated current range 5A-30A.
2. Square fuse - slow acting, plug-in type, rated current range 20A-60A.
3. Bolted fuse - high current slow acting, bolted type, rated current range 30A-200A.

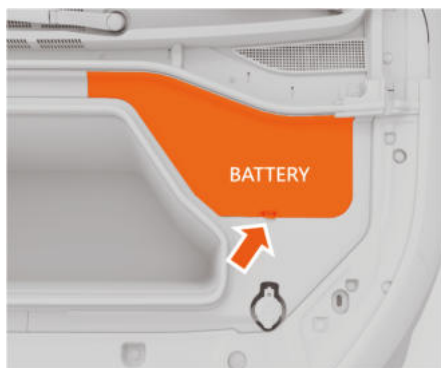
The colour represents the ampere value of the fuse, which is also labelled on the fuse.



For the blown fuses, do not try to repair or replace them with fuses that are inconsistent in colour or ampere value; otherwise, it will cause damage to the electrical system or fire due to wire overload.

## Underhood electrical centre (UEC)

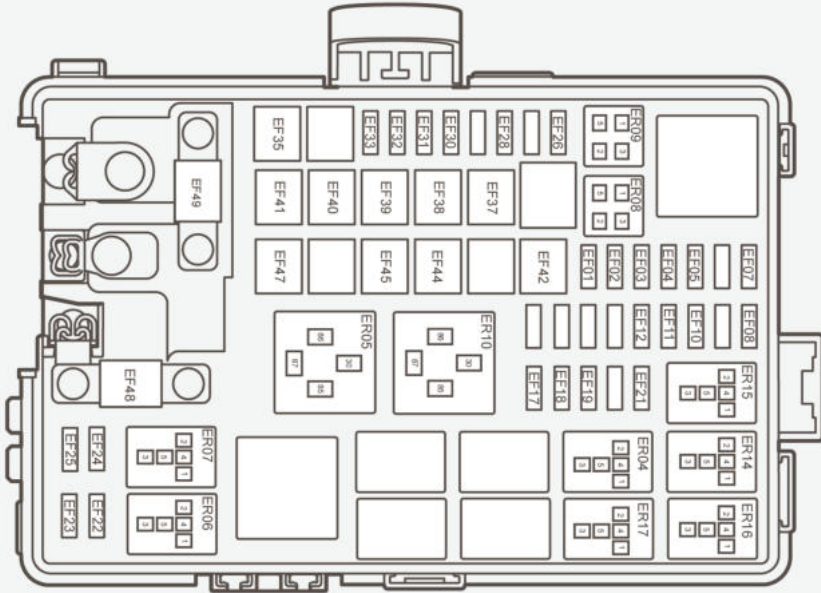
1. Open the bonnet.
2. Open the UEC outer cover.



3. To check the fuse, loosen the side lock catch shown in the figure and remove the UEC cover.



Electrical parts of the vehicle will be damaged if any liquid is splashed on them. Always close the covers or caps of all electrical parts.



Fuse number	Name	Amperage	Remarks
EF01	Intelligent power fuse	10 A	-
EF02	Through-type front lamp/Front LOGO lamp fuse (if equipped)	5 A	-
EF03	VCU fuse	10 A	-
EF04	BCM door lock power fuse	25 A	-
EF05	BCM exterior lamp power fuse	25 A	-
EF07	Horn fuse	15 A	-
EF08	Battery EWP fuse	15 A	-
EF10	Motor EWP fuse	15 A	-
EF11	VCU main relay power fuse	25 A	-
EF12	VCU feedback/brake lamp switch fuse	5 A	-
EF17	Millimetre wave radar sensor/AVAS	5 A	-

## Fault during driving

Fuse number	Name	Amperage	Remarks
	fuse		
EF18	ONE BOX module fuse	5 A	-
EF19	Vehicle control unit/OD/Power battery pack/Rear electric drive system fuse	10 A	-
EF21	Exterior rearview mirror heater fuse(If equipped)	10 A	-
EF22	Left low beam/console switch module fuse	10 A	-
EF23	Right low beam fuse	10 A	-
EF24	Left high beam fuse	10 A	-
EF25	Right high beam fuse	10 A	-
EF26	Three-state pressure switch fuse	5 A	-
EF28	Front wiper motor fuse	30 A	-
EF30	Thermal management relay fuse	10 A	-
EF31	Electric drive system fuse	10 A	-
EF32	Rear defroster fuse	25 A	-
EF33	Power battery pack fuse	5 A	-
EF35	Centre distribution box B + fuse	50 A	-
EF37	ONE BOX module fuse	60 A	-
EF38	Blower fuse	40 A	-
EF39	Driver power seat fuse	30 A	-
EF40	Front passenger power seat fuse (if equipped)	30 A	-
EF41	Ripple anti-pinch module fuse 2	30 A	-
EF42	Towing port fuse (If equipped)	30 A	-
EF44	Front electric drive control unit fuse	20 A	-
EF45	ONE BOX module fuse	40 A	-
EF47	Centre distribution box (IG1/ACC) fuse	50 A	-
EF48	Electric power steering (EPS) fuse	80 A	-
EF49	DC power supply DCDC fuse	200 A	-





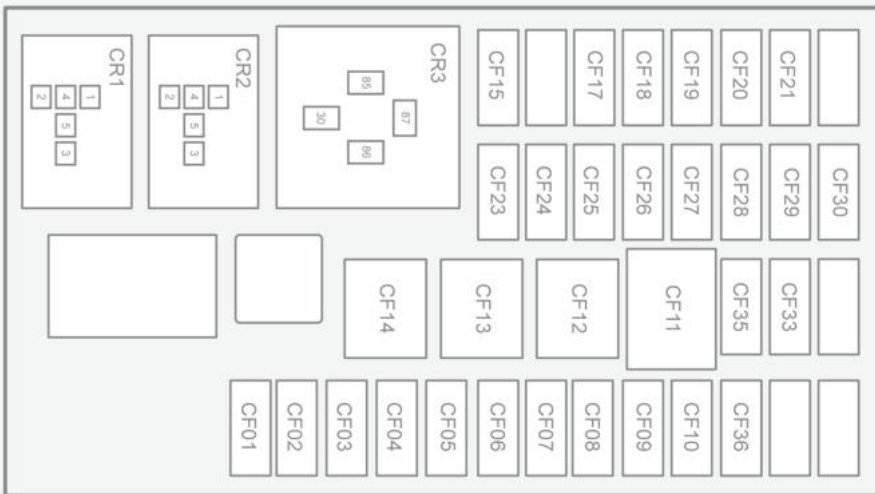
## Fault during driving

Relay Number	Name	Remarks
ER04	Front LOGO lamp relay (If equipped)	-
ER05	Main relay	-
ER06	Low beam relay	-
ER07	High beam relay	-
ER08	Horn relay	-
ER09	Intelligent power supply relay	-
ER10	Blower relay	-
ER14	High speed wiper relay	-
ER15	Low speed wiper relay	-
ER16	Rear defroster relay	-
ER17	Thermal management relay	-

## Interior fuse box



The interior fuse box is located on the right side of the dash panel. Uncover the dash panel storage box to view the fuse.



## Fault during driving

Fuse number	Name	Amperage	Remarks
CF01	Brake lamp switch/trailer control module fuse	5 A	-
CF02	BCM internal lighting power fuse	20 A	-
CF03	BCM exterior rearview mirror folding fuse	10 A	-
CF04	BCM front washer power fuse	15 A	-
CF05	High-voltage power distribution box fuse	5 A	-
CF06	Trailer module fuse 2 (If equipped)	30 A	-
CF07	Electronic gear selector module fuse	5 A	-
CF08	OBD diagnostic port fuse	10 A	-
CF09	Door handle aerial/Air conditioner switch fuse	5 A	-
CF10	Gateway fuse	5 A	-
CF11	Shipping fuse	20 A	-
CF12	Ripple anti-pinch module power fuse 1	30 A	-
CF13	Sunroof fuse (if equipped)	20 A	-
CF14	Trailer module fuse 1 (If equipped)	30 A	-
CF15	Towing hook power source IG2 fuse (if equipped)	30 A	-
CF17	USB charging port fuse	10 A	-
CF18	Cargo compartment panel 12 V power outlet fuse 1 (if equipped)	15 A	-
CF19	Cargo compartment panel 12 V power outlet fuse 2 (if equipped)	15 A	-
CF20	Infotainment head unit/exterior rearview mirror switch/digital video recorder/BCM ACC feedback signal fuse	10 A	-
CF21	Accessory power outlet fuse	15 A	-
CF23	Steering angle sensor/electric power steering system fuse	5 A	-

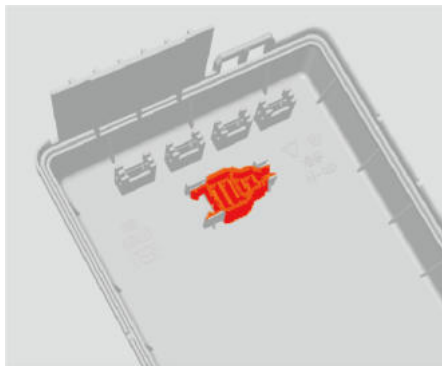
Fuse number	Name	Amperage	Remarks
CF24	Airbag module fuse	5 A	-
CF25	Monocular camera/electronic gear selector module fuse	5 A	-
CF26	Front compartment power distribution box IG + fuse	15 A	-
CF27	Matrix headlight controller (left front) and right front matrix headlight fuse (If equipped)	10 A	-
CF28	Seat memory ventilation module/Seat ventilation fan/IoT box fuse (If equipped)	10 A	-
CF29	Gateway/TBOX module/BCM IG1 feedback signal/A/C controller fuse	5 A	-
CF30	ETC system/Flashlight fuse	5 A	-
CF33	Display/Rear side obstacle detection/ETC system/Digital video recorder fuse	10 A	-
CF35	A/C controller/Instrument cluster/Rain sensor/T-BOX module fuse	10 A	-
CF36	Wireless charging module fuse	10 A	50 W

Relay Number	Name	Remarks
CR01	IG2 relay	-
CR02	IG1 relay	-
CR03	ACC relay	-

### Checking or replacing a fuse

1. Turn off the start switch and all electrical consumers, and disconnect the negative cable from the low-voltage battery.



2. Use a fuse clip to hold the fuse head and remove the fuse. Check whether the metal wire is blown.
3. Replace the fuse with a new one of the same type.



If the newly replaced fuse immediately becomes damaged, contact a Riddara authorised service centre for inspection and repair as soon as possible.

## Replacing bulbs

### Bulb specifications

Replacing light bulbs often requires the removal of specific vehicle parts, so it should be performed by a professional with the necessary skills. It is recommended that you drive the vehicle to a Riddara authorised service centre to replace the bulb.

Part name	Bulb name	Bulb model	Power
Front combination lamp (high configuration)	High beam	LED	55 W
	Low beam	LED	40 W
	Turn signal lamp	LED	16 W
	Front position lamp	LED	4.26 W
	Daytime running lamps	LED	18 W
Front combination lamp (low configuration)	High beam	LED	41 W
	Low beam	LED	19 W
	Turn signal lamp	LED	28 W
	Front position lamp	LED	3 W
	Daytime running lamps	LED	30 W
Rear combination lamp	Rear position lamp	LED	20.8 W
	Rear turn signal lamp	LED	3 W
	Reversing lamp	LED	4 W
	Brake lamp	LED	10 W
Cargo compartment light	Cargo compartment light	LED	1 W
High-level brake lamp	High-level brake lamp	LED	2 W
Rear fog lamp	Rear fog lamp	LED	3.6 W
Through-type front combination lamp assembly	Through-type front combination lamp assembly	LED	18 W

## Fault during driving

Licence plate lamp	Licence plate lamp	W5W	5 W
Reading lamp	Front reading lamp	LED	1 W
	Rear reading lamp (If equipped)	LED	0.5 W

## Emergency handling

### Drive motor or motor control unit overheat

Vehicle overheating refers to high coolant temperature. If the motor and controller overheating warning lamp on the instrument cluster is on, indicating that the drive motor is overheated, perform the following procedures:

1. Drive the vehicle safely off the road to a safe place, then stop the vehicle and turn on the hazard warning lamp, shift into the Park (P) position, and press the EPB switch. If the air conditioner is operating, turn it off.
2. Visually inspect the radiator, hose, and underbody of the vehicle for significant coolant leaks. It is normal if there are water droplets from the A/C in use.
3. If the coolant leaks, stop the vehicle immediately and contact a Riddara authorised service centre for inspection and repair as soon as possible.
4. If there is no obvious leak, check the coolant expansion tank. If it is dry, add coolant to the coolant expansion tank while the vehicle is started until the coolant level

reaches between the MIN and MAX marks.

5. If there is no coolant leak and the coolant level in the expansion tank is normal, please contact a Riddara authorised service centre for inspection and repair as soon as possible.
6. When the coolant temperature drops to normal, recheck the coolant level in the expansion tank. If necessary, add coolant until it reaches between the MIN and MAX marks. Severe coolant loss indicates a leak in the system. Contact a Riddara authorised service centre for inspection and repair as soon as possible.
7. In summer, after parking, the cooling fan often operates automatically or even does not stop for a long time, which is normal. The cooling fan will stop automatically when the temperature of the drive motor or motor control unit drops to a value not require the running of the cooling fan.





To avoid injury, keep the bonnet closed until there is no steam, and the outflow of steam or coolant indicates high pressure. Personnel should stay away from the rotating cooling fan.

## Vehicle collision

In the event of a vehicle collision (including front, rear, left, right and ground collisions), stop the vehicle completely and then switch off the power supply and evacuate the passengers immediately.

- In the event of a collision, the vehicle control system will power off the high-voltage system, the READY indicator goes off, and the vehicle cannot be driven further. Contact a Riddara authorised service centre immediately.
- If you cannot estimate the extent of vehicle damage, do not touch the vehicle. Keep away from the vehicle, and immediately contact a Riddara authorised service centre for inspection and repair. You must promptly inform emergency responders that the vehicle is an electric car. No one else should approach, touch, or move the vehicle.
- In any case, nobody is allowed to repair the vehicle before the vehicle is completely powered off.
- Check whether the high-voltage components and wiring harnesses of the vehicle are damaged or exposed (The component positions can be determined according to the high-voltage component layout diagram). To avoid personal injury, do not touch high-voltage harnesses, connectors and other high-voltage components (motor control unit, power battery, etc.). To avoid the risk of high-voltage electric shock, do not touch damaged or exposed wiring harnesses. Check the high-voltage harnesses distributed on the floor carefully for damage, especially in the case of a scrape between the vehicle underbody and the ground. If it is necessary to touch any high-voltage cables or components, wear insulating protective equipment (including insulating gloves, shoes and clothes) that can withstand voltages above 1000 V.
- If the driver and passengers get stuck, try to cut the vehicle after being confirmed by a professional technician. Do not touch the high-voltage cable (which is typically marked with yellow or orange-yellow insulation) during cutting.
- If the vehicle needs to be repaired or painted after a collision, it must be performed at a Riddara authorised service centre. Unauthorised disassembly is strictly prohibited. Before painting, remove the battery, high-voltage wiring harness, motor control unit and other high-voltage components. Exposure of the power

battery to a high-temperature spraying room may affect its service life. In addition, if the power battery on the vehicle is not removed, it may bring safety hazards to the maintenance personnel who have not received professional training in electric vehicle maintenance.

### Vehicle on fire

If the vehicle is on fire, turn on the hazard warning lamp immediately, stop the vehicle, evacuate all personnel in the vehicle to a safe area, and set up a warning triangle according to the regulations. Please see the “Warning Triangle” section in this chapter. Then call the police and inform them of the situation on site. On the premise of ensuring personal safety, contact a Riddara authorised service centre and perform the following operations under the guidance of professionals:

1. If the battery wiring harness smokes and catches fire, follow the guidance of professionals to use a carbon dioxide or dry powder fire extinguisher at a safe distance from the upwind to extinguish the fire, and get advice on the next treatment steps of the power battery.
2. If the power battery catches fire, follow the guidance of professionals to use a high-pressure water gun at a safe distance to extinguish the fire, and get advice on the next

treatment steps of the power battery.

If someone inhales thick smoke accidentally, evacuate the victim and seek medical attention as soon as possible.



Electrolyte leakage or damage to the power battery may cause a fire. If this happens, contact a Riddara authorised service centre immediately for inspection and repair. Do not touch the leaking electrolyte with your hands. If the electrolyte comes into contact with your skin or eyes, rinse with plenty of water and seek medical attention immediately. If the vehicle is on fire, leave the vehicle immediately.

### Getting unstuck

If the vehicle gets stuck in snow, mud or other soft roads, please try the following steps to get out:

1. Turn the steering wheel left and right to grind out an area around the front wheels.
2. Repeatedly move the vehicle back and forth, reducing wheel idling as much as possible, and gently depress the accelerator pedal.
3. If the vehicle cannot get out of trap after several attempts, tow the vehicle.



Before getting the vehicle out of the trap, always check whether there are people or obstacles around the vehicle because the vehicle may suddenly rush forward or backward when getting it out, which may cause injuries.



If you need to rock the vehicle, the following precautions must be observed to prevent causing damage to the drive motor and other components:

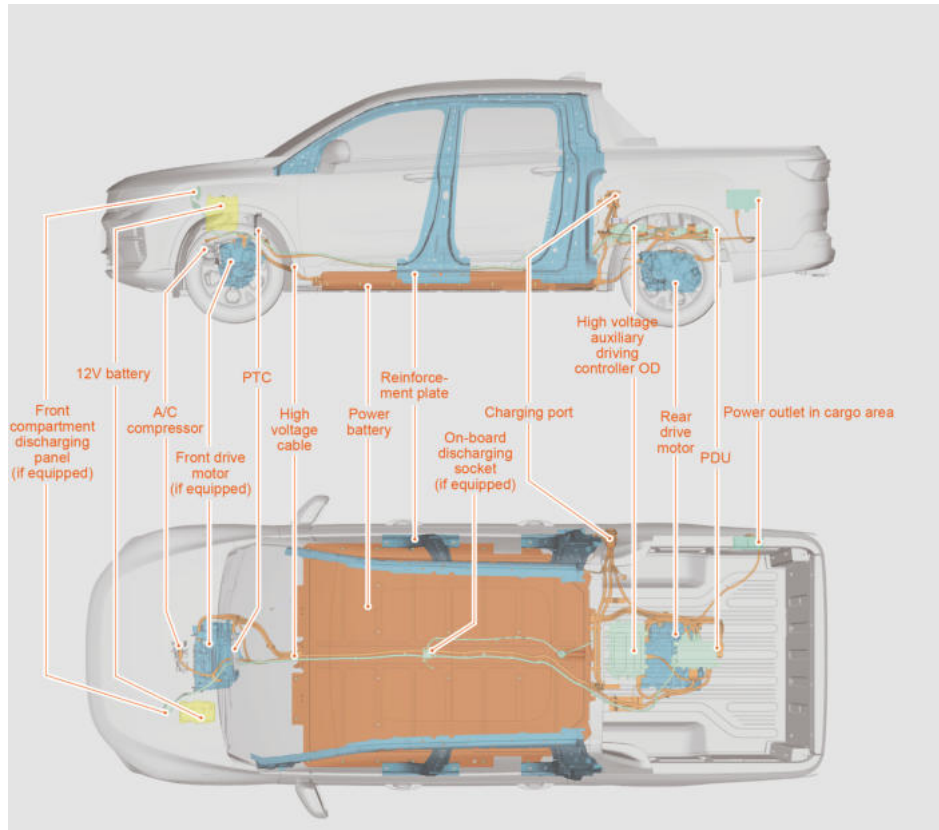
- Do not depress the accelerator pedal until the electronic shift lever is moved to the Drive (D) or Reverse (R) position.
- Do not keep the wheels idling at high speed, which may burst the tyre, resulting in personal injuries, or may overheat drive motors or wheel parts, causing damage to components or other items.
- If the vehicle cannot get out of trap after rocking for a while, use other methods such as towing.

Fault during driving

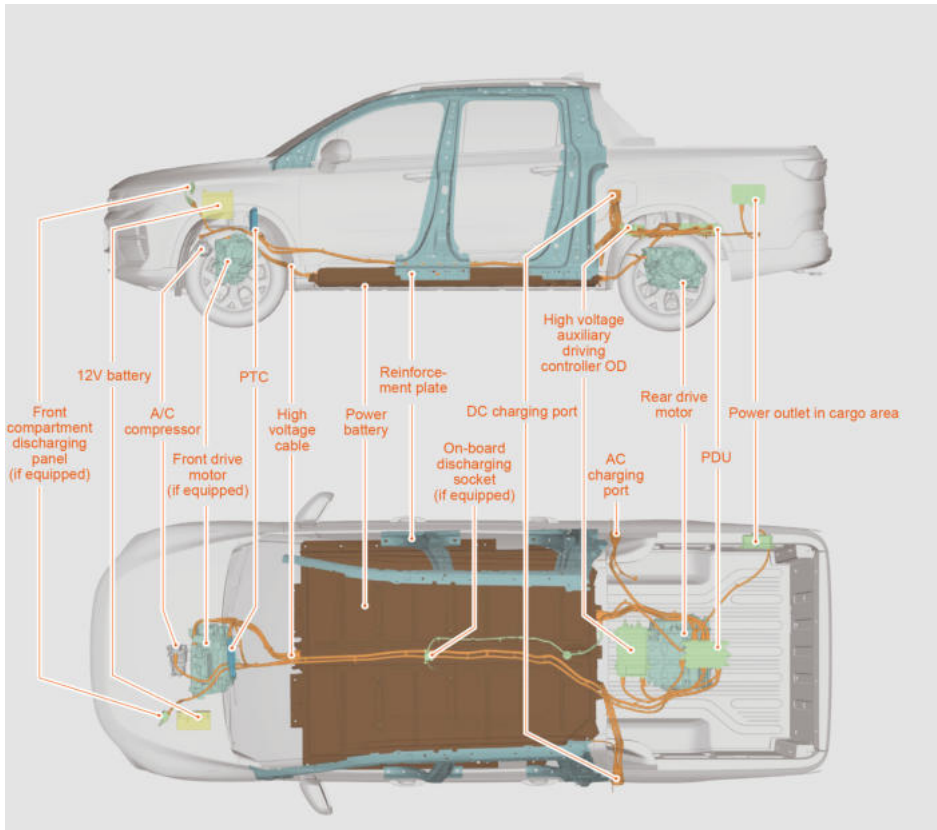
Emergency rescue

Power system information

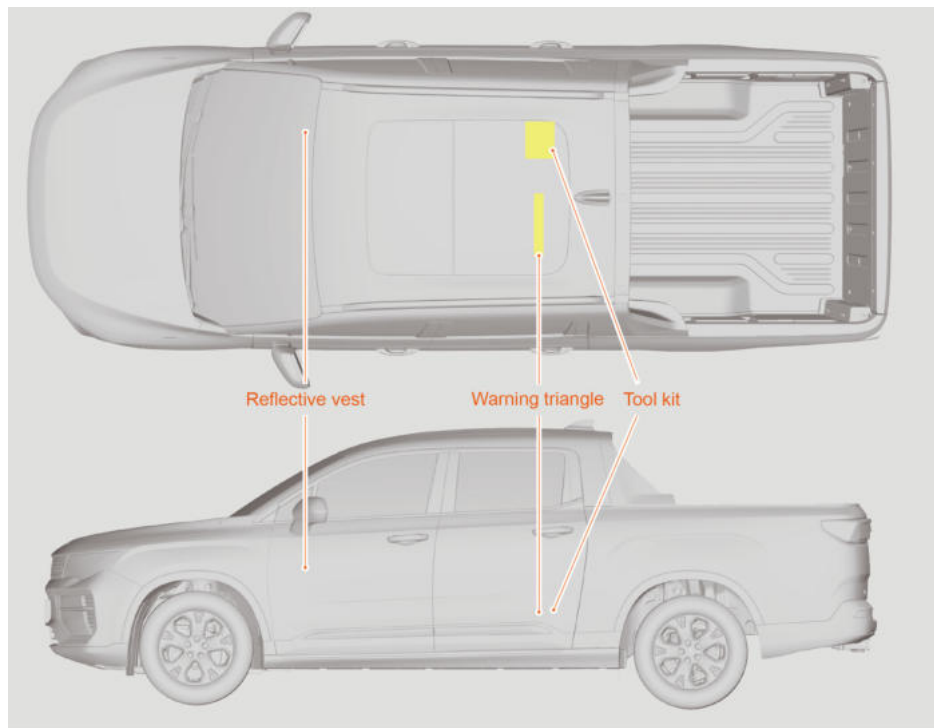
European standard



Chinese standard



## Vehicle emergency tools



## Tyre repair tools

When a tyre is leaking and needs to be repaired, you can use the tyre repair tool, which is in the vehicle toolkit under the right rear seat.



## Towing eye

When towing the vehicle, use the towing eye under the rear seat.



### High voltage discharge solution

1. Press the start switch to switch off the vehicle, make sure the indicator lamp is off and wait for at least 5 minutes to ensure that the high voltage system is fully de-energised.



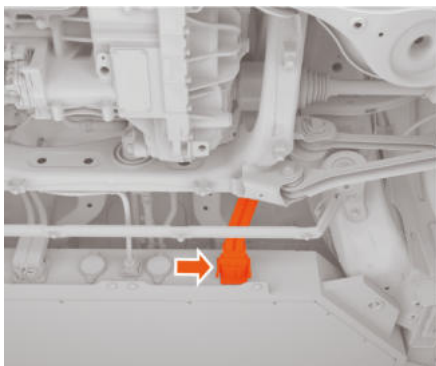
2. Open the bonnet.



3. Disconnect the negative battery terminal bond strap and wait for 15 minutes.



4. Disconnect the high-voltage DC bus.













- Always wear appropriate personal protective equipment and disconnect the high-voltage system if you need to touch any high-voltage harness or component.
- To avoid the risk of electric shock, even if the high-voltage system is disconnected, people not wearing proper PPE must not touch power battery components.

## Safety sign information

### Safety signs

S/N	Name of safety sign	Design	Explanation
1	Warning sign for high voltage		Danger! Do not touch high-voltage components.
2	Warning sign for high-voltage components		Danger! Do not touch high-voltage components.
3	Warning sign for high-voltage components		Danger! Do not touch high-voltage components. Do not insert a 10A plug into a 16A socket!
4	Warning sign for high-voltage components		Danger! Do not touch high-voltage components. Misalignment between the charging gun and the charging port is prohibited! The charging gun must be fully aligned with the charging port!

5	Battery pack label		Battery pack information
6	High-voltage harness		The high-voltage harness is in orange.

## Items to be prepared

### Protective equipment



The following protective equipment should be used properly when working with or maintaining high-voltage systems.

- Wear goggles when handling high-voltage systems.
- Wear 1000 V insulating gloves when contacting high-voltage components.
- Use insulating tools when handling high-voltage systems.
- Prepare insulated protective hooks.
- Use a fire extinguisher suitable for lithium-ion batteries (e.g., powder fire extinguisher).
- Follow the two-person rule and do not work alone, as you may need help if an accident occurs.

Name	Picture	Remarks
Acid and alkali-resistant gloves		Use in case of lithium battery electrolyte leakage

## Fault during driving

Insulated protective hook		Use in case of electric shock
Powder fire extinguisher		For fire extinguishing
Fire blanket		
High-voltage insulating gloves		For protection against high-voltage electric shock
Insulating cap		For protection against high-voltage electric shock
Goggles		
Insulating shoes		

Insulating tape		Cover damaged harnesses to provide protection and prevent electric shock. All exposed or damaged wires shall be wrapped with tape.
Insulating tools		For operating high-voltage system components

### Waterlogged vehicle



The extent of damage to a waterlogged vehicle may not be obvious. People handling a waterlogged vehicle must wear protective equipment to avoid being injured or killed by electric shock.



- Before touching high-voltage system components in water, ensure the rescuer wears protective equipment to prevent electric shock.
- Before handling a waterlogged vehicle, the high-voltage system must be disconnected. The vehicle must be allowed to dry completely after being removed from the waterlogged area to prevent injury caused by electrical leakage.

### Emergency evacuation of occupants

#### Door unlocking and evacuation

If life is in danger, follow the steps below to escape as quickly as possible.



When the door is unlocked, you can open the door by using the inner handles.



- Each of the remaining three doors can be unlocked and opened by the inner handles.
- If the rear door cannot be opened, it may have been locked by the child lock function. It needs to be opened from the outside, or you should lower the glass and stretch your hand out to pull it open from the outside.
- When all the doors cannot be opened, you can use a sharp hard object to hit the corners of the door glass to break the window to escape.

## Cutable positions

### Airbag components



- Do not cut the area associated with the high-voltage system, as this may result in serious personal injury or death.
- Do not cut the area associated with the power battery, as this may result in serious personal injury or death.
- Personal protective equipment must be worn at all times when disassembling parts, otherwise, it may cause serious personal injury or death.

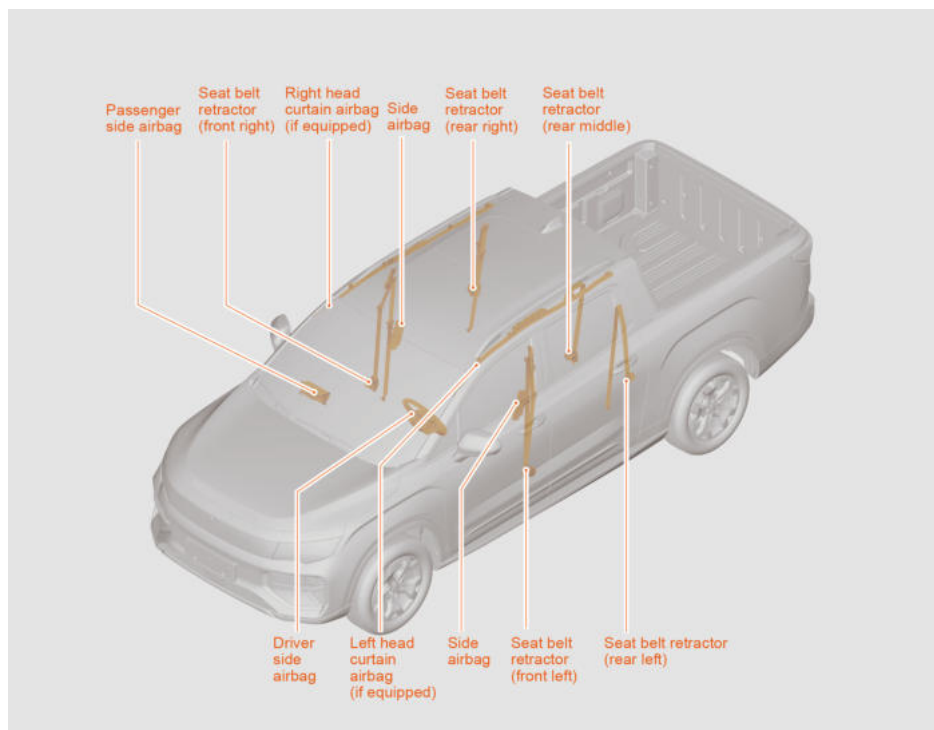
Airbag parts must not be cut if they are not deployed, otherwise, an accidentally deployed airbag could result in serious personal injury or death, unless:

- The driver-side and occupant-side airbags have been deployed.

## Fault during driving

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- The 12V negative battery cable has been disconnected for more than 3 minutes and the high-voltage system has been switched off.





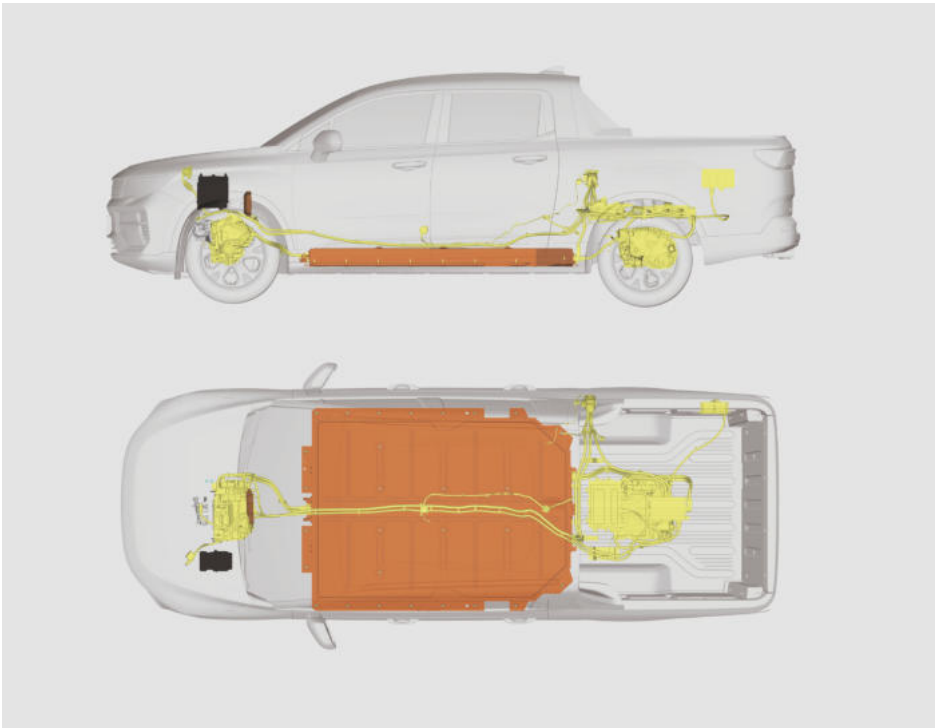
## No-cutting areas

The areas in yellow in the figure below are high-voltage parts and wiring harnesses that can only be cut when the high-voltage system has been turned off.

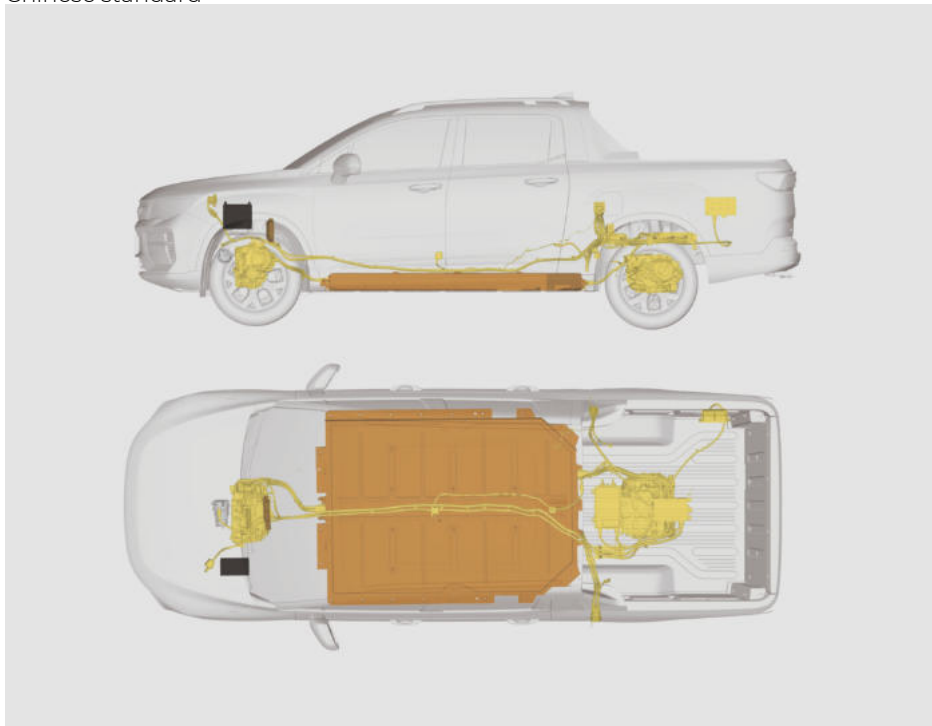
The orange parts in the figure below are "no-cutting areas". Do not cut or shred these areas, otherwise, high-voltage electric shock, fire, explosion and other accidents may occur, resulting in serious personal injury or death.

The black part in the following figure is the 12V battery, which is strictly prohibited to cut.

European standard



Chinese standard



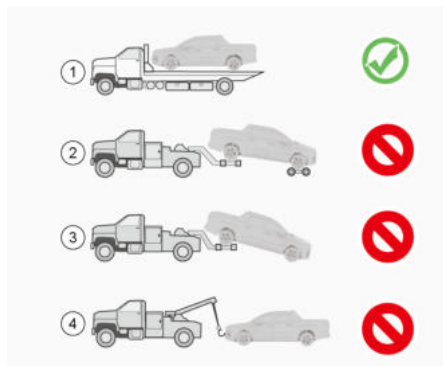
When cutting, be sure to use a suitable tool such as a hydraulic cutter and wear appropriate personal protective equipment. Failure to comply with these instructions can result in serious injury or death.

All high-voltage components are energized by default, regardless of whether the high-voltage de-energization procedure is performed or not! Cutting, crushing or touching high-voltage components can result in serious personal injury or death.

## Removing vehicle from the scene after an accident

### Vehicle towing

If the vehicle cannot start properly after an accident, remove it from the scene as shown in Fig. ①.



Precautions for vehicle towing:


- Have the vehicle towed with four wheels away from the ground. Do not tow the vehicle with any of the methods shown in Fig. ②③④.
- Before towing, switch the vehicle to OFF mode, turn on the hazard warning lamp, close the doors and apply the mechanical locks.
- During towing, personnel are not allowed to stay in the vehicle.

### Using towing eye

1. Take the towing eye from the vehicle toolkit (see "Vehicle Emergency Tools - Towing Eye").
2. Open the front or rear towing hole covers as shown below.



3. Then screw the towing eye into the tow hook thread guide, making sure that the towing eye is fully tightened.
4. After use, remove the towing eye and put it back to its original place. Refit the towing hole cover.

 In some cases, the towing eye can be used to pull the vehicle onto a flatbed trailer.

- Whether the vehicle can be towed onto a flatbed trailer with the towing eye depends on the position and ground clearance of the vehicle.
- Towing via the towing eye may damage the vehicle if the trailer's slope is too steep or the vehicle does not have enough ground clearance.
- If necessary, use the trailer's lifting device to lift the vehicle.

## Maintenance

### Regular maintenance



The Warranty and Maintenance Manual is an important part of this manual, and the maintenance intervals, inspections, repairs, and recommended oils, fluids and lubricants specified in this manual are necessary to maintain the vehicle in good condition. Any damage caused by a failure to follow regular maintenance is not covered by the vehicle warranty.

Proper vehicle maintenance is not only helpful to keep the vehicle in good condition but also beneficial to the environment. All recommended maintenance items are very important. To protect the environment and keep your vehicle in good condition, it is important to maintain your vehicle properly.

### Maintenance plan for use

As people use vehicles in various ways, their maintenance needs are different. You may need to check and replace vehicle parts more frequently.

If you have questions about how to keep your vehicle in good condition, please consult a Riddara authorised service centre. This maintenance plan applies to the following vehicles:

- Vehicles transporting passengers and goods within the specified loading range.

- Vehicles driving on suitable roads within the speed limits specified by laws and regulations.



Vehicle maintenance operations are complex and can be dangerous. Performing certain maintenance tasks by yourself may cause serious injury. Only when you have sufficient maintenance expertise as well as the required tools and equipment can you carry out maintenance. If you are unsure of this, drive your vehicle to a Riddara authorised service centre for maintenance.

### Maintenance records

For details, see the Warranty and Maintenance Manual. After each maintenance, be sure to have the Riddara authorised service centre sign and stamp the maintenance record form.

### Maintenance by the owner



In case of an obvious or sudden drop in the fluid level, or uneven tyre wear, immediately drive the vehicle to a Riddara authorised service centre for maintenance.

In addition to the maintenance mentioned above, the driver should also carry out some simple checks frequently. The recommended maintenance schedule is listed below.

#### Daily inspection

- Check the functions of lamps, horns, wipers, washers, and warning lamps.

## Repair and maintenance

- Check the functions of seat belts and brakes.
- Check the underbody for traces of liquid residue indicating leakage.
- Check tyre appearance.

### Weekly inspection

- Coolant level.
- Brake fluid level.
- Windscreen washer fluid level.
- Tyre pressure and condition.
- Operation of A/C system.

### Five rules for preventing accidental vehicle fires



1. Avoid storing flammable items like lighters inside the vehicle, as they can expand or explode due to heat, potentially causing fires.
2. Do not install extra decorative lights other than the vehicle's original equipment. The usage of appliances with higher power than the rated power will cause short circuits due to excessive load, which may cause a fire.



3. When modifying or adding wiring for the multimedia system, wires with different rated power will generate a large amount of heat, which may cause a fire.
4. Use specified light bulbs only, as those exceeding the rated capacity can overload the wiring and increase the risk of fires.
5. Always ensure cigarette butts are completely extinguished after smoking to prevent potential fires.

### Toxic liquids

Liquids used in the vehicle are toxic and should not be swallowed or come into contact with open wounds.


Toxic liquids include acid from low-voltage batteries, coolant, brake fluid and windscreen washer fluid.

For your safety, please carefully read and follow the instructions printed on the labels and containers.

## Front compartment

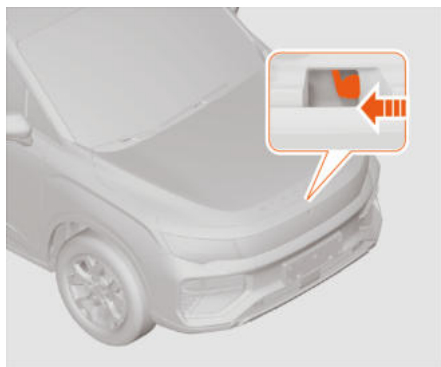
### Bonnet

#### Opening the bonnet

-  Ensure that the wiper arms are not raised when opening the bonnet.



1. Pull the bonnet release handle located on the lower left side of the driver's dash panel to unlock the bonnet.




2. Push the safety hook handle of the bonnet in the direction of the arrow. This handle is located in the middle of the radiator grille.


If your vehicle is equipped with pneumatic struts, lift the bonnet slightly, so that it will be opened to the maximum position under the action of the left and right pneumatic struts.



3. Raise the bonnet.

-  Do not attempt to open the bonnet on your own if the vehicle experiences a breakdown or accident in the rain.

#### Closing the bonnet

-  Before closing the bonnet, check for any forgotten tools, pieces of cloth, or other objects inside the front compartment and ensure all filler caps are covered.

Push the bonnet downwards, and a “clicking” sound indicates that the bonnet is locked.

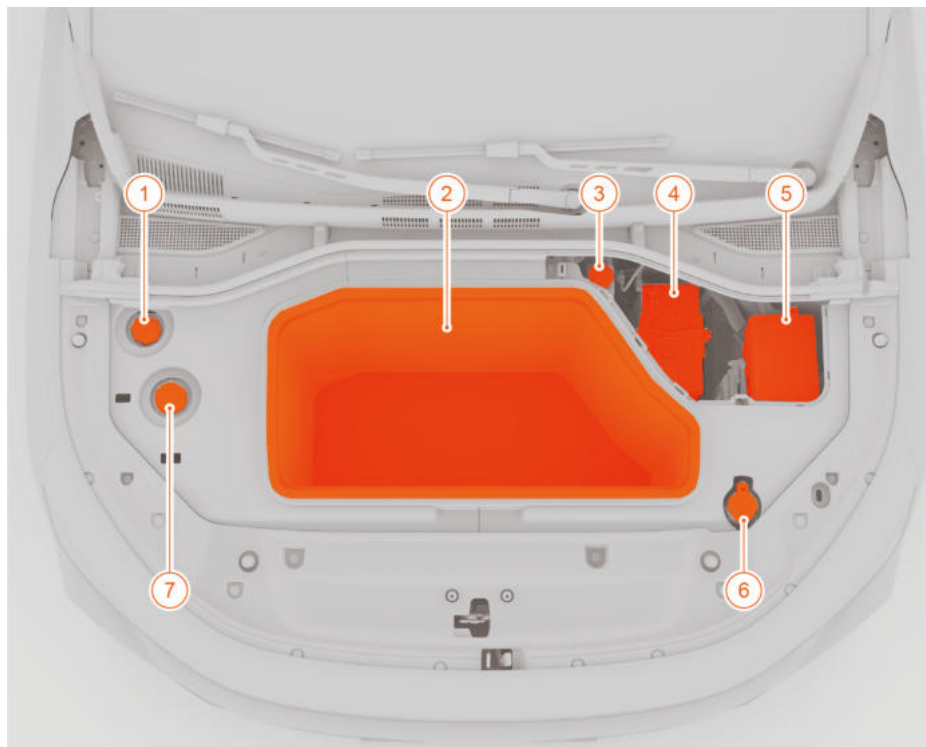
After closing the bonnet, gently lift its front edge to ensure it is securely locked in place.



Do not drive when the bonnet is not properly closed. Otherwise, the bonnet may suddenly open and block the driver's view, resulting in injury and property loss.



## Front compartment



- |                                     |  |
|-------------------------------------|--|
| 1. Expansion tank of heating system | 5. Underhood electrical centre (UEC)       |
| 2. Front compartment storage box    | 6. Washer fluid reservoir                  |
| 3. Brake fluid reservoir            | 7. Expansion tank of electric drive system |
| 4. Low-voltage battery              |  |

### Cooling system

#### Cooling system introduction

The coolant added to a new vehicle not only provides anti-freeze protection at a low temperature, but also protects all components in the cooling system from corrosion. In addition, it prevents deposits and significantly increases the coolant boiling point.

For details about the coolant replacement interval, see the Warranty and Maintenance Manual.



Do not replace the coolant with other liquids. It is recommended to use the coolant specified by the manufacturer.



Even though the vehicle is not started, the cooling fan under the bonnet can start running and cause injury. Therefore, keep your body parts, clothing, and tools away from the cooling fan under the bonnet.



Do not touch the radiator, the radiator hose, and other drive motor parts, otherwise you will be burned. Do not start the vehicle if there is coolant leakage. Otherwise, a vehicle fire may occur, causing personal injury and property loss.



Dispose of used coolant in accordance with relevant environmental protection laws.

### Checking coolant

#### Expansion tank of heating system



#### Expansion tank of electric drive system

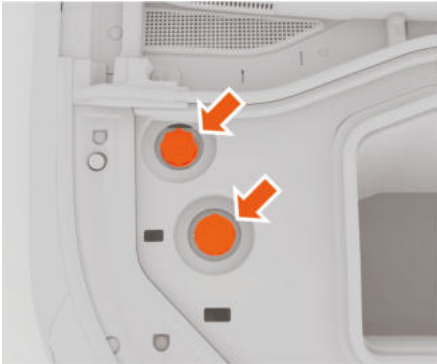


The vehicle must be parked on a flat surface while checking the coolant level. Check whether the coolant level in the expansion tank is between MAX and MIN marks. If the coolant in the expansion tank is boiling, never do anything until it cools down. If the coolant level is below the MIN mark or

the expansion tank is empty, fill the expansion tank with coolant according to the prescribed procedure.

## Adding coolant

The pressure cap of the coolant expansion tank should only be opened after the cooling system (including the coolant expansion tank pressure cap and the upper radiator hose) has completely cooled down.




1. Slowly turn the pressure cap of the expansion tank counterclockwise. If you hear a hissing sound, wait until the sound disappears before opening it. Hissing indicates that there is still pressure inside.
2. Continue turning the pressure cap of the expansion tank and remove it.


**!** Steam and boiling liquid from a hot cooling system can splash out and cause severe burns. The coolant is pressurized, and even a slight loosening of the pressure cap of the coolant expansion tank can result in boiling coolant spraying out. Do not open the pressure cap of the coolant expansion tank when the cooling system (including the pressure cap itself) is still hot. Always wait until the cooling system and the pressure cap of the coolant expansion tank cool down before opening the pressure cap.




3. Fill an appropriate amount of coolant into the coolant expansion tank until the coolant level reaches between MAX and MIN marks on the coolant expansion tank.

**!** If you spill coolant on hot parts, you may get burned.

 Do not mix coolants of different brands and specifications. Different brands of coolants are added with different types of preservatives, rust inhibitors and other chemical components. When they are mixed with each other, chemical reactions will easily occur, causing precipitation, scaling, corrosion and other hazards, thus affecting the service life of the vehicle.

 Please fill with ethylene glycol coolant certified by Riddara. Damage or failure caused by the use of inferior coolant or non-compliant coolant mixture is not covered by the warranty of Riddara.

 If the pressure cap is not tightened, it may cause coolant loss and damage to the drive motor. Make sure the pressure cap is properly secured. If the coolant level drops significantly in a short period of time, it indicates that the cooling system may leak. In this case, contact a Riddara authorised service centre for inspection and repair as soon as possible.

4. With the coolant expansion tank cap open, start the vehicle and let it run until the upper radiator hose begins to warm up. During this process, the coolant level inside the expansion tank may decrease. If the coolant level is decreased, add an appropriate amount of coolant until the coolant level reaches between MAX and MIN marks on the coolant expansion tank.
5. Reinstall the cap. Make sure the pressure cap is securely tightened by hand and fully seated.

## Brake system

### Overview

A vehicle with good braking performance is required to reduce the speed or stop in a short time and distance after braking at any speed. Good braking performance plays an important role in driving safety. The vehicle cannot be braked effectively if the brake pads are worn abnormally or excessively. The degree of wear on the brake pads mainly depends on the vehicle operation conditions and driving habits. If the vehicle is used for regular urban trips or short journeys, it is recommended to increase the checking frequency of the brake pads according to the Warranty and Maintenance Manual. Replace the brake fluid according to the maintenance cycle specified in the Warranty and Maintenance Manual. If the brake fluid remains in the brake system for too long, it may produce air resistance in the system pipeline during braking, which severely affects the braking effect.



Never use emergency brakes when driving the vehicle on narrow, wet, snowy, iced or muddy roads. Drive carefully and hold the steering wheel tightly while braking. After driving through water, step on the brake pedal continuously and gently for several times to eliminate the moisture on the brake pads and recover the braking performance.




Be sure to replace the brake pads at a Riddara authorised service centre to guarantee the best braking effect and minimum wear between brake pads and brake discs. New brake pads have a running-in period within the first 300 km, during which the brake pedal must be stepped with a stronger force to increase the braking effect. When driving with new tyres and new brake pads, do not follow other vehicles too close or brake suddenly, which may cause traffic accidents, resulting in serious injury or death.

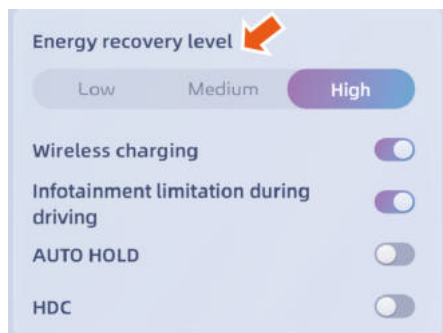
### Energy recovery

When the vehicle is set to Drive (D) position, coasting or braking, the kinetic energy is converted into electric energy, which is charged into the power battery to recover energy and increase the driving range.

In the process of energy recovery, the anti-dragging drive motor for the wheels is working, and the drive motor and the service brake system jointly achieve vehicle deceleration.

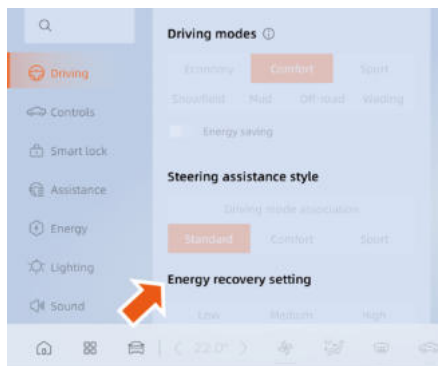
 It is normal for the vehicle to slow down with slight frustration and motor noise.

### Adjusting energy recovery levels (Type 1)



The energy recovery level control switch can be found on the multimedia display by following the path of Vehicle Settings → Safety, and High, Medium and Low modes can be selected.

### Adjusting energy recovery levels (Type 2)



Click on the multimedia display step by step: My car → Driving → Energy recovery setting, with three levels to choose from: Low, Medium, and High.

### Brake pedal travel

If the brake pedal does not return to its normal height or the brake pedal travel increases too quickly, please contact a Riddara authorised service centre for inspection and repair as soon as possible.

### Brake disc rusting and the resulting brake judder problem

After the vehicle is left unused for a long time, the surface of the brake disc will rust, resulting in a brake judder problem during the braking process. In this case, it is necessary to remove the rust, and the temperature of the brake system should be controlled to be not too high during the running-in

process. Contact a Riddara authorised service centre for guidance.

## Brake squeal

When driving on a wet road, or in a cold, snowy or rainy weather, depressing the brake pedal will cause the front and rear brakes to work simultaneously and produce a squeal sound now and then, which is normal.

## Creep groan appears when starting

It is normal to hear the friction sound between brake pads and brake discs when the brake pedal is released at starting. When the shift lever of a vehicle equipped with an automatic transmission is moved to D position, the braking torque is greater than the starting torque, so the front wheel will produce a "creak" sound when the brake pedal is released. This sound will be louder if the brake discs are wet after vehicle washing.

## The sound caused by depressing the brake pedal while turning the steering wheel in place

When the vehicle is still, the wheels also move when the steering wheel is turned. If the brake pedal is depressed at this time, the wheels will be prevented from moving. With the

steering force and braking force, the vehicle accumulates some energy, so that the brake discs creep in the clamping state to release this energy. Thus, the vehicle produces a "creak" sound, which is normal.

## Brake discs heat up after use

Vehicle braking is achieved by the friction between brake discs and brake pads. This generates heat and the heat will concentrate on the brake discs, so brake disc heating is a normal phenomenon.



Do not touch the brake discs with your hands after the vehicle stops to avoid burning.

## Operating sound of Electronic Stability Control (ESC) system

When the ESC is working, you may hear some noise or feel the vibration of the brake pedal, which is normal. Please drive your vehicle as you wish.


## Replacing brake system parts


The brake system of the vehicle is very complex. Many parts must be of high quality, and they must be accurately matched to achieve the optimum braking effect. To replace the brake system parts, be sure to use the approved replacement parts. Otherwise, the brake system may not


work properly. If the incorrect replacement parts are installed, the expected braking performance can change in other ways.


Item	Unit	Value
Standard thickness of front brake pad	mm	10.0
Minimum thickness of front brake pad	mm	1.5
Standard thickness of rear brake pad	mm	10.0
Minimum thickness of rear brake pad	mm	2.0


## Brake fluid

 Wear of the brake pad will cause the brake fluid level to drop. After replacing the brake pad, the brake fluid level can return to normal.

 Brake fluid leakage will cause the level to drop. Contact a Riddara authorised service centre for inspection and repair as soon as possible.

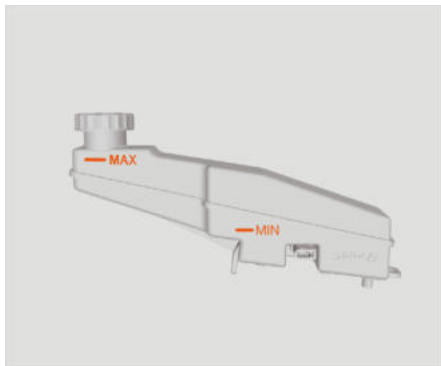
 Do not add brake fluid when the brake pad is worn and the brake fluid leaks. After repair, add or reduce brake fluid as needed. If too much brake fluid is added, it may splash onto the hot parts inside the front compartment; if the temperature is high enough, it may burst into flames, causing personal injury and property loss.

 When the brake fluid level is low, the brake system fault warning lamp will go on.


 Do not let brake fluid spill on the vehicle paint. If any, clean it immediately.

The brake fluid reservoir should be filled with DOT4 brake fluid.





The brake fluid level must always be between MAX and MIN marks on the brake fluid reservoir.


 Always use the brake fluid of the manufacturer and brand specified by the Riddara authorised service centre, otherwise it will seriously damage the hydraulic brake system parts, affecting the braking performance and distance.


## Steering system

### Electric power steering (EPS)

The steering system is an important part of a vehicle. The performance of the steering system directly affects the operating stability of the vehicle and plays an important role in ensuring the safe running of the vehicle, reducing traffic accidents and protecting the safety of the driver.

When you feel it hard to steer, contact a Riddara authorised service centre for inspection and repair as soon as possible.

 Do not adjust the height of the electric power steering column when driving the vehicle. Do not make the vehicle coast when powered off. The steering could otherwise have no power, which is likely to cause accidents.

 Do not hold the steering wheel in the steering limit position for more than 5 seconds. The motor could otherwise be damaged.

### Exterior lamps

#### Condensation on exterior lamps

The exterior lamps adopt a ventilation design to adapt to the normal pressure changes within the lamps. Therefore, condensation on them is a normal phenomenon. Under normal operating conditions, the condensation will dissipate automatically after driving or turning on the exterior lamps for a while. The following conditions are normal:

- A thin layer of condensation (without strip-shaped watermarks, drip marks or water droplets).
- The condensation covers less than 50% of the exterior lamp cover.

Please contact a Riddara authorised service centre promptly if any of the following situations occur (usually caused by water leakage of exterior lamps):

- There are puddles of water inside the exterior lamp.
- There is a large area of water droplets, drop marks or strip-shaped watermarks inside the exterior lamp cover.

### Batteries

#### Maintenance of low-voltage battery

The vehicle is equipped with maintenance-free low-voltage battery. See the "Front Compartment" section in this chapter to locate the low-voltage battery.



Low-voltage battery poles, terminals and related accessories contain lead and lead compounds that may harm health. After contact with them, wash your hands with soap and thoroughly rinse with water.

The following suggestions are provided to extend the service life of the low-voltage battery and maintain the normal operation of the vehicle's electrical system:

- Prevent the low-voltage battery from overcharging or long-term power loss.
- Keep the low-voltage battery away from heat source or open fire. When charging and using it, keep the area ventilated to prevent burning accidents.
- External charging should be carried out promptly when the voltage of the low-voltage battery is insufficient, the light is dim and the vehicle cannot be started.
- The low-voltage battery should be firmly installed on the vehicle to reduce vibration.

- Often check whether the low-voltage battery pole clamp is firm and in good contact to prevent sparks that can cause the explosion of the low-voltage battery. The oxides and sulfates produced by the clamp of the low-voltage battery must be scraped and coated with vaseline to prevent further corrosion.
- When driving in cold areas, avoid complete discharge of the low-voltage battery to prevent the electrolyte from freezing.

## Low-voltage battery inspection

The vehicle is equipped with maintenance-free low-voltage batteries, so there is no need to fill low-voltage battery electrolyte. Please visit a Riddara service centre regularly to check the status of your low-voltage battery.



## Replacement of low-voltage battery

Low-voltage batteries of the same model and specifications must be used for replacement. Contact a Riddara authorised service centre for removal, replacement and installation of the low-voltage battery.



After replacing the low-voltage battery, please hand over the used low-voltage battery to the Riddara authorised service centre for disposal, or to a recycling station that meets the relevant environmental protection law. The low-voltage battery contains corrosive toxic substances. Keep the battery face up during transportation and storage.



Low-voltage battery acid can cause burning, and the gas produced is explosive, which can cause injury or death. For details, see the "Jump Start" section in "Faults during Driving".

## Vehicle storage

Due to the weak current consumption of the vehicle circuit system when parking, the long-term storage of the vehicle will cause the low-voltage battery to run out of power. If you want to store the vehicle for a long time, you should disconnect the black negative (-) cable on the low-voltage battery to prevent the discharge of the low-voltage battery.

The vehicle should be stored in a cool, ventilated, clean and dry environment. If the vehicle is parked in a closed humid environment for a long time, this will accelerate the rust and ageing of the vehicle parts. Please carry out regular maintenance of the vehicle in a timely manner according to the suggestions and requirements in the Warranty and Maintenance Manual.

## Washer fluid and wiper blades

### Washer fluid

#### What kind of washer fluid to be used

Be sure to read the manufacturer's instructions before using the windscreen washer fluid. If the temperature in the area where you drive may drop below 0°C, use washer fluid with adequate anti-freezing capacity.



The freezing temperature of the washer fluid should be at least 10°C lower than the local minimum temperature.

### Adding washer fluid



Open the filler cap of the washer liquid reservoir and add washer fluid.



If concentrated washer fluid is used, please dilute it according to the manufacturer's instructions. Do not add water to the ready-to-use washer fluid; otherwise, the washer fluid may freeze and damage the washer fluid reservoir and other parts of the washer system. Do not top up the washer fluid reservoir when the weather is very cold. Otherwise, it may be damaged due to the freezing of washer fluid. Do not add coolant to the washer fluid reservoir. Otherwise, it will damage the vehicle's windscreen washer system and vehicle paint.

## Wiper blades



Grease, silicon and petroleum products can easily weaken the wiping effect of the wiper blades. Clean the wiper blades with warm soapy water and check their conditions regularly.

Clean the windscreen frequently and prevent the wiper blades from wiping dust sediments on the windscreen, so as not to affect the blade performance or shorten its service life.

If the wiper rubber hardens or cracks or the wiper leaves scratches on the glass or fails to clean an area, the wiper blades need to be replaced.

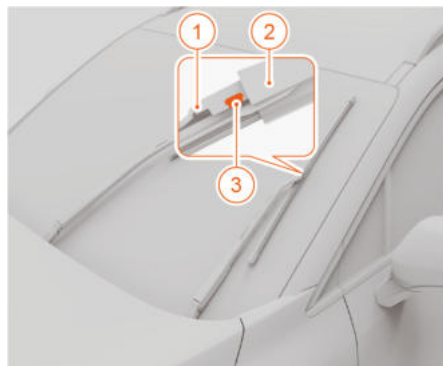
Use approved windscreen washer fluid regularly to clean the windscreen and ensure that the windscreen is thoroughly cleaned before replacing the wiper blades.

Replace the wiper blades with only those of the same specifications.

If the wiper or windscreen is covered with snow and ice or frozen, clean the snow and ice on the wiper and windscreen before using the wipers to avoid damage.

Do not use the wipers when the windscreen is dry or covered by hard objects; otherwise, the wiper blades and windscreen may be damaged.


### Replacing front wiper blades



1. Wiper arms
2. Wiper blades
3. Clips


The wiper blade should be checked for wear or breakage. To replace the wiper blade:

1. Within 30 seconds after the start switch is turned from ON to OFF/ACC position, flick the lever of the wiper switch from OFF to LO or MIST to select the wiper maintenance mode.
2. Pull the wiper blade assembly away from the windscreen.

 When the wiper blade is upright, do not open the bonnet; otherwise, it will collide with the wiper blade, resulting in damage to the wiper blade or the bonnet. Any damage arising from this is not covered by the vehicle warranty.



3. Press the retaining clips of the wiper as shown in the illustration. Pull the wiper blade in the direction of the arrow to release it from the wiper arm. Remove the wiper blade.

 When the wiper blade is not installed, allowing the wiper arm to touch the windscreen will damage the windscreen. Any damage arising from this is not covered by the vehicle warranty.

4. Install the wiper blade in reverse order of steps 2 to 3.

## Vehicle cleaning and maintenance

### Cleaning of the exterior

Washing your vehicle frequently helps to protect the vehicle's appearance.

When washing the vehicle, always turn off the start switch first and wash it in the shade, not under direct sunlight. If your vehicle has been parked under direct sunlight for a long time, let it cool down before washing.

When washing with an automatic washing machine, you must follow the instructions of the operator.



To avoid damage to the vehicle paint, corrosive substances (bird droppings, resins, insects, asphalt spots, road salt, industrial dust, etc.) should be removed immediately. If necessary, remove asphalt spots and stubborn oil stains with industrial alcohol, then immediately wash away the alcohol with water and a mild neutral soap solution.

### Use a high-pressure cleaner for washing

- Before washing the vehicle, check and confirm that the vehicle charging port cover is properly closed.
- Wash the vehicle in strict accordance with the usage instructions of the high-pressure cleaner, and pay special attention to operating pressure and spraying

distance. If a pressure cleaner is used, the nozzle must be at least 30 cm away from the surface of the car body. Keep the nozzle moving, and do not spray water on a certain part all the time; otherwise, high-pressure water will flow into the vehicle parts and cause chronic damage. Do not spray water towards the charging port.

- Do not use "cluster nozzles" to wash your vehicle.
- Do not spray water directly or indirectly into the front compartment. High pressure water flow can cause damage to the electrical components in the front compartment or cause malfunction of some components.
- Do not flush the chassis connectors (especially orange high-voltage harness connectors) of the vehicle with the nozzle.
- Do not use a high-pressure washing machine or steam cleaner to clean cameras and sensors as this may cause damage.
- Do not spray wash painted bumpers, rubber hoses, plastic parts, insulation materials and other flexible components at a short distance.

### Automatic vehicle washing

- Before automatic vehicle washing, check the vehicle with the car washing operator for additional

installed parts and follow the professional advice provided by the operator.

- Fold the exterior rearview mirrors before washing the vehicle.
- Although the body paint is strong enough to withstand the washing of an automatic cleaning machine, pay attention to the impact on the paint. The degree of impact mainly depends on the structure of the cleaning machine, the cleaning brush, the filtering state of the cleaning water and the types of cleaning agent and wax solvent. If the body paint is darkened or scratched after the washing, tell the operator to make corrections immediately.
- When cleaning your vehicle with an automatic washing machine, try to use a contact-free one. This type of washing machine does not have parts that touch the vehicle body (such as bushes).

### Cleaning of the interior

Cleaning the interior regularly helps to improve the vehicle's internal environment. Dust and dirt on the interiors can cause surface damage to carpets, fabrics, leather and plastic products. Stains, especially those on light-coloured interiors, should be removed quickly, otherwise extreme heat will cause them to cure quickly. Use a small soft brush to dust buttons and knobs.

Use only cleaning agents for vehicles to clean the surface of interiors. Other detergents may cause permanent damage to the vehicle. To prevent overspray, spray the cleaning agent onto the cleaning cloth. If you accidentally spray the cleaning agent on other surfaces in the vehicle, wipe it off immediately.

The temperature of the drying gun used to paste the glass protective film is very high. Pay attention not to bake the interior when pasting the protective film, otherwise the interior will be damaged.



When cleaning the vehicle glass, only use a soft cloth and glass cleaning agents, and do not use any abrasive cleaning agent; otherwise, it will scratch the glass and/or cause malfunction of the rear window demist feature.

The cleaning agents contain solvents that may condense on the interiors. Read and follow all safety instructions on the label before applying cleaning agents.

Open the doors and windows when cleaning the interiors to maintain good ventilation.

When cleaning the interiors, pay attention to the following:

- Do not use blades or other sharp objects to remove dirt from interior surfaces.
- Do not use a stiff brush. It may damage the surface of the interior.



- Never press the interiors hard or wipe them with cleaning cloths forcibly. Wiping hard cannot clean better, but instead may damage the interiors.
- Use only mild neutral soaps. Avoid using strong detergents or de-oiling soap. Using too much soap leaves traces and dirt may adhere to these traces.
- Do not soak the interiors during cleaning.
- Do not use organic solvents such as naphtha and alcohol, which may damage the interiors.

### Fabric/carpet

Use a vacuum cleaner with a soft brush to remove dust and scum. For stubborn stains, always try to remove them with water or soda water first. Before cleaning, select appropriate methods to remove stains:

- Liquid stains: gently wipe the residual stains with a paper towel to make them soaked and adsorbed to the paper towel as much as possible.
- Solid stains: remove as many stains as possible by hand, and then clean with a vacuum cleaner.

Cleaning steps:

1. Soak a clean white lint-free rag with water or soda water.
2. Wring out the rag.
3. When removing stains, scrub gently from the edge to the centre until no more stain remain on the rag.

4. If the stains cannot be completely removed, repeat the steps with mild soapy water.

If these stubborn stains cannot be removed yet, you may use synthetic fabric cleaners or detergents. Conduct a test for colour fastness in an inconspicuous position inside the vehicle before using a cleaning agent. If the cleaning effect is good in this position, use the cleaning agent to clean the entire surface. After cleaning, use paper towels to absorb excess water from the fabric or carpet.

### Cleaning leather

You can use soft wet rags to remove dust. To clean more thoroughly, use soft rags soaked with neutral soapy water. Let the leather dry naturally, do not bake it, and never clean it with steam.

Do not use cleaners and polish agents on leathers, otherwise it may permanently change the appearance and feel of the vehicle interiors. Do not use silicon-based, wax-based or products with an organic solvent to clean vehicle interiors, which may lead to uneven leather gloss, affecting the appearance of the vehicle interiors. Never use shoe cream on leather.

### Dash panel and other plastic surfaces

Do not use cleaners and polish agents on plastic surfaces, otherwise it may permanently change the appearance and feel of the vehicle interiors. Some commercially available products can enhance the gloss of the dash panel, but they may cause reflection on the windscreen and seriously affect the visibility of the windscreen.

## Main parameters

### Main dimension parameters

Item	Unit	Parameters (two-wheel drive)	Parameters (four-wheel drive)
Length	mm	5,260	
Width	mm	1,900	
Height	mm	1,865	1,880
Front wheel track	mm	1,614	
Rear wheel track	mm	1,620	
Wheelbase	mm	3,120	

## Vehicle weight parameters

Item	Unit	63 kWh (low configura tion)	73 kWh (low configura tion)	73 kWh (high configura tion)	86 kWh (high configura tion)
Drive form	/	Two-wheel drive	Four-wheel drive		
Number of passengers	Person	5			
Vehicle kerb weight	kg	2,000	2,155	2,205	2,180
Max. permissible total mass	kg	3,115	3,235	3,235	3,210
Payload capacity	kg	790	1,080	1,030	1,030
Free stroke of accelerator pedal	mm	< 4			
Free stroke of brake pedal	mm	10 - 20			

## Main assembly types and parameters

Item	Unit	TZ153XS063		TZ220XS200
Rated power of drive motor	kw	40		65
Peak power of drive motor	kw	115		200
Rated torque of drive motor	N·m	80		150
Peak torque of drive motor	N·m	210		385
Rated speed of drive motor	r/min	4,800		4,138
Peak speed of drive motor	r/min	16,000		16,000
Main reduction ratio of reducer	/	11.2105: 1		10.249: 1
Item	Unit	NBE632	NBE731	NBE862
Battery type	/	Lfp battery	Lithium iron phosphate battery	Ternary lithium-ion battery
Rated voltage of battery pack	V	365	396.2	352
Working voltage range of battery pack	V	290~423.4	315~459.9	268.8~417.6
Peak power (10s, 50%SOC, RT)	kW	225	330	306
Battery cell voltage	V	3.2	3.145	3.67
Pack energy density	Wh/Kg	125.07	145.52	169.98
Battery pack type	/	2P116S	1P126S	1P96S
Battery capacity	Ah	174	186.5	244

## Technical data

Total energy of battery pack	kWh	63	73.9	86
Battery assembly size	mm	2040*1430*150	2040*1430*150	2040*1430*150
Battery assembly weight	kg	515	535	521
Battery assembly protection rating	/	IP67/IPX9K	IP67/IPX9K	IP67/IPX9K
Battery assembly charging temperature range	°C	-20~55	-20~55	-20~55
Battery assembly discharging temperature range	°C	-30~55	-30~55	-30~55

## Vehicle power performance

Item	Unit	Parameters (two-wheel drive)	Parameters (four-wheel drive)
Maximum speed	km/h	185	190
Maximum gradeability	/	40%	60%

## Wheels and tyres

### Tyre model

Item	Parameters
Rim specification	18×7J
Tyre specification	235/60R18

### Dynamic unbalance

Item	Unit	Parameters
Front wheel inner side	g	≤10

Front wheel outer side	g	≤10
Rear wheel inner side	g	≤10
Rear wheel outer side	g	≤10

Tyre pressure (cold)

Item	Wheels	Condition	Unit	Parameters (two-wheel drive)	Parameters (four-wheel drive)
Pressure	Front wheels	Unladen	kPa	240	250
		Fully laden	kPa	240	250
	Rear wheels	Unladen	kPa	240	250
		Fully laden	kPa	290	290
	Spare tyre (if equipped)	/	kPa	420	

Wheel alignment parameters  
(unladen vehicle)

Item	Parameters (two-wheel drive)	Parameters (four-wheel drive)
Maximum turning angle of front wheel (inner/outer)	$37.1^{\circ} \pm 2^{\circ} / 31.7^{\circ} \pm 2^{\circ}$	$37.1^{\circ} \pm 2^{\circ} / 31.7^{\circ} \pm 2^{\circ}$
Front wheel toe-in	$10' \pm 6'$	$10' \pm 6'$
Rear wheel toe-in	$12' \pm 6'$	$12' \pm 6'$
Front wheel camber angle	$-13' \pm 30'$ (front wheel camber angle difference $\leq 30'$ )	$-13' \pm 40'$ (front wheel camber angle difference $\leq 30'$ )
Rear wheel camber angle	$-35' \pm 30'$ (rear wheel camber angle difference $\leq 30'$ )	$-35' \pm 30'$ (rear wheel camber angle difference $\leq 30'$ )
Kingpin inclination angle	$12.57^{\circ} \pm 45'$ (Kingpin inclination angle difference $\leq 30'$ )	$12.57^{\circ} \pm 45'$ (Kingpin inclination angle difference $\leq 30'$ )
Kingpin caster angle	$3.3^{\circ} \pm 30'$ (Kingpin caster angle difference $\leq 30'$ )	$3.3^{\circ} \pm 30'$ (Kingpin caster angle difference $\leq 30'$ )



Front wheel toe-in (single wheel)	5'±3' (front wheel toe-in difference < 5')	5'±3' (front wheel toe-in difference < 5')
Rear wheel toe-in (single wheel)	6'±3' (rear wheel toe-in difference < 5')	6'±3' (rear wheel toe-in difference < 5')

## Fluids

### Recommended oils, fluids and capacities

Item	Specification	Capacity
Brake fluid (2WD)	DOT4	750 ml
Brake fluid (4WD)		930 ml
Reducer lubricant (TZ153XS063)	Castrol BOT 352 B1	0.65±0.05 L
Reducer lubricant (TZ220XS200)	Mobil EV Cool Drive 311	0.75 L
Windscreen washer fluid	Freezing point: -25°C	≤2.5 L
A/C refrigerant	R134a	675±20 g
HVAC system coolant (2WD)	Freezing point: -40°C	2.4L (approximate)
HVAC system coolant (4WD)		2L (Approximate)
Electric drive system coolant (NBE862)	Freezing point: -40°C	11L (Approximate)
Electric drive system coolant (NBE731)		16L (Approximate)
Electric drive system coolant (NBE632)		8.6L (Approximate)

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