PROTON
e.MAS

e.MAS 7
PHEV

OWNER'S MANUAL

Foreword

Dear users,

Thank you for your trust in choosing Proton vehicle, which will provide you with excellent safety, comfort, power, and economy. We are looking forward to bringing fun to your work and life with our high-quality products and services.

Please read and comply with the contents of this Manual before using your vehicle for the first time. It will help you to better understand and use your PROTON, ensuring that your new vehicle will be in good technical condition and always perform at its best in the future. The more you know about your vehicle, the more you will enjoy the safety and fun of driving it.

If you find any problems in driving, contact nearby authorised PROTON e.MAS service outlet, which will provide high quality service for you in vehicle maintenance and repair. Make sure to maintain your vehicle according to the periodical service maintenance schedule as specified in this manual. This manual provides the all information on all variants in this vehicle model. The configuration mentioned in the manual herein may differ from that of your vehicle. Therefore, the actual configuration of your vehicle shall prevail as far as the configuration is concerned. This manual is a part of the complete vehicle. Please make sure to keep this manual in the vehicle all the time. If you sell this vehicle, please make sure to hand over this manual to the new owner.

Perusahaan Otomobil Nasional Sdn Bhd (PROTON) reserves the right to make changes to the design and specifications and/or to make additions or improvements to the vehicle without any obligation to install the same on vehicles previously manufactured. The driver is required to strictly comply with all laws and regulations governing the use of this vehicle.

This Manual has been written in compliance with such laws and regulations currently in force. PROTON reserves the right to make such amendments and/or revisions to this Manual as and when required. This Manual is a copyright owned by PROTON. This Manual or any part thereof shall not be reproduced, stored in any retrieval system, or transmitted in any form or by any means without the prior written permission of PROTON.

All the data contained in the manual are the latest data at the time this manual is published. In the event of any conflict or discrepancy between the provisions of the English language version of this Manual and Manuals of any other language provided, the provisions of the English language manual shall prevail for the purpose of interpretation and applicability.

Note: The cover and pictures in this Manual are only for reference, which shall be subject to the actual vehicle.

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February 2026

This vehicle has comply to MCMC requirements.

The shown label is the certification mark approved for compliance to standards according to the Communications and Multimedia (Technical Standards) Regulations 2000.

Contents

Light

Meter Instrument

Understanding Your Vehicle

Starting and Driving

Driving Assist

Parking Assist

Air Conditioner

Charging and Discharging

Maintenance and Repair

In Case of Emergency

Emergency Rescue

Technical Information

Notes to Users

Manual Instructions

- All content in this manual reflects the information available at the time of publication. Due to variations in vehicle specifications and subsequent updates, the details described may differ from the features of your actual vehicle. In such cases, the actual vehicle shall take precedence.
- The labels, logos, and images in this manual are for illustration only and may not fully represent the actual vehicle. Please refer to the actual vehicle for precise details.
- The vehicle may receive future upgrades. You will be notified in advance and your consent will be required before any update is carried out. After an upgrade, certain features may differ from those described in the user manual originally supplied with the vehicle. In all cases, the actual vehicle shall take precedence.
- PROTON will update this manual as promptly as possible to reflect vehicle feature upgrades. If the features of a vehicle differ from those described in the latest manual due to the timing of updates, the actual vehicle features shall take precedence.
- To provide intuitive understanding and operation of the vehicle, the features or options described in this manual may differ from those shown in marketing, sales, or advertising materials.

Overview of the Vehicle

- Please read the instructions in this manual carefully before first use. Not following them may cause personal injury or property damage and could void maintenance coverage or warranty.
- Keep the power battery fully charged before driving. The battery will gradually discharge while the vehicle is in use. If the battery level becomes low, it must be recharged; otherwise, the vehicle may be unable to operate.
- Keep the power battery fully charged before driving. The battery will gradually discharge during use. If the battery level becomes low, recharge it promptly to avoid the vehicle being unable to operate.
- This vehicle uses a charging plug to connect to the power grid for charging the power battery. It also features an energy recovery function: during braking, the motor generates electricity and stores a portion of it in the power battery, helping to extend the vehicle's driving range.
- This vehicle features a creep function. When the vehicle is in a drivable state (the READY indicator light is on) and the gear is in the Drive (D) or Reverse (R) position, releasing the brake pedal and parking brake will cause the vehicle to move slowly forward or backward.

High Voltage Safety

The following information is provided for the safety of passengers and emergency personnel regarding high voltage:

- The high-voltage fuse, located inside the power battery, provides short-circuit protection for the battery.
- The positive and negative high-voltage cables connected to the power battery are usually controlled by a high-voltage relay. The relay disconnects to stop current from flowing out of the battery, protecting the battery and electrical system from damage and ensuring electricity is only supplied when needed.
- The vehicle may remain unsafe to touch for up to 5 minutes after the power supply is disconnected. To prevent serious injury or death from accidental contact with high-voltage electricity, do not touch, cut, or damage any orange high-voltage cables or high-voltage components.
- High-voltage cables are insulated from the metal body of the vehicle, so electricity flows only through the cables and not through the metal. Since the metal body is isolated from high-voltage components, it is safe to touch.

Warning Information

- If the power system malfunctions or is used incorrectly, the meter instrument will display warning messages. Please read the messages carefully and follow the instructions. If warning indicators illuminate, warning messages appear, or a fault occurs in the low-voltage battery, the power system may not start. In this case, attempt to restart the system. If the READY indicator light does not turn on, contact an authorised PROTON e. MAS service outlet for maintenance.
- When the collision sensor detects a significant impact, the system and high-voltage current output are immediately cut off to minimize the risk of electric shock. If the emergency cut-off system is activated, the vehicle will not restart. To restart the vehicle, contact a local PROTON e.MAS service outlet.
- Removal or replacement of any high-voltage components may affect vehicle performance and high-voltage safety. Therefore, any work involving high-voltage components can only be carried out by an authorised PROTON e. MAS service outlet.

The vehicle is equipped with high-voltage DC and AC systems, as well as a 12V low-voltage system. High-voltage DC and AC systems are extremely dangerous, and failure can result in serious injury or death.◀

Important Tips

- Please check tyre wear and tyre pressure regularly, following the methods and pressure requirements described in this manual.
- Always use the oils and fluids recommended in this manual and carry out maintenance as specified.

Safety Precautions

- Observe all traffic laws, regulations, and speed limits while driving safely and responsibly.
- High-voltage cables are wrapped in orange-yellow inside the vehicle. Do not touch high-voltage components with bare hands without disconnecting high-

voltage power. High-voltage components include: drive motor controller, power harness device, on-board charger, high-voltage main cable, fast-charging plug and socket, slow-charging plug and socket, power battery, and drive motor.

- Never touch both the positive and negative terminals of the power battery simultaneously.
- Do not crush, pierce, or burn the power battery or related components.
- In case of a vehicle fire:
  - Evacuate immediately.
  - Move to a safe location.
  - Call emergency services.
  - Inform rescue personnel that the vehicle is a hybrid with high-voltage components.
- Do not dismantle, sell, transfer, modify, or store power batteries without authorisation. Only an authorised PROTON e. MAS service outlet may recycle or remove power batteries following prescribed procedures.
- Do not aim a high-pressure water cleaner at chassis bottom connectors when cleaning the vehicle.
- Park the vehicle in ambient temperatures between -30 ° C and 55 ° C to avoid malfunction.
- The vehicle is equipped with ABS. Press the brake pedal firmly rather than progressively.
- The vehicle has airbags. Do not use a rear-facing child restraint on a seat with an active frontal airbag.
- Keep the vehicle operating environment free from corrosive or explosive gases, insulating or conductive dust, and away from heat sources.
- Use correctly sized floor mats and place them properly. Ensure mats do not interfere with pedal operation to prevent accidents.

Accessories, Spare Parts and Modifications

- For your safety, do not remove or replace vehicle parts or components without authorisation.
- To maintain proper thermal balance, do not install the license plate beyond the lower edge of the mounting plate, as this may block the air intake and affect vehicle heat dissipation.
- Refitting or adding devices is not allowed. PROTON is not responsible for any direct or indirect losses resulting from unauthorised modifications or added equipment.
- PROTON is responsible only for tested and certified original hardbound accessories and options. Using PROTON genuine accessories is recommended to ensure optimal vehicle performance and safety.

Prompt Information

This manual covers all models. Due to differences in configurations and variants, some descriptions may not match the actual vehicle. In such cases, the actual vehicle shall take precedence.

Warning

Follow the specified steps and requirements strictly. Ignoring this warning may cause serious injury or death. ◄

High Voltage

Strictly observe this warning regarding the high-voltage circuit of the vehicle. Ignoring it may cause electric shock, serious injury, or death. ◄

Caution

Follow all steps and requirements in this instruction strictly. Ignoring them may damage the vehicle. ◄

Description

This information is provided as guidance to assist in the effective use of the vehicle. ◄

Environmental Protection

This information relates to environmental protection. ◄

Asterisk

An asterisk “*” following a title or name indicates that the configuration or function is available only on certain models. Your vehicle may not be equipped with it. ◄

Graphical Information

Indicates a descriptive object.

Indicates the movement direction of an object.

Indicates the rotation direction of an object.

Indicates that this action is forbidden or this situation must not occur.

Event Data Recorder (EDR)*

PROTON vehicles are equipped with an event data recording system that complies with relevant national standards. This system records information during a collision, including the vehicle's driving speed, measured by the chassis controller via sensors to indicate speed at the time of the event, and braking status, which shows whether the vehicle was braking during the event.

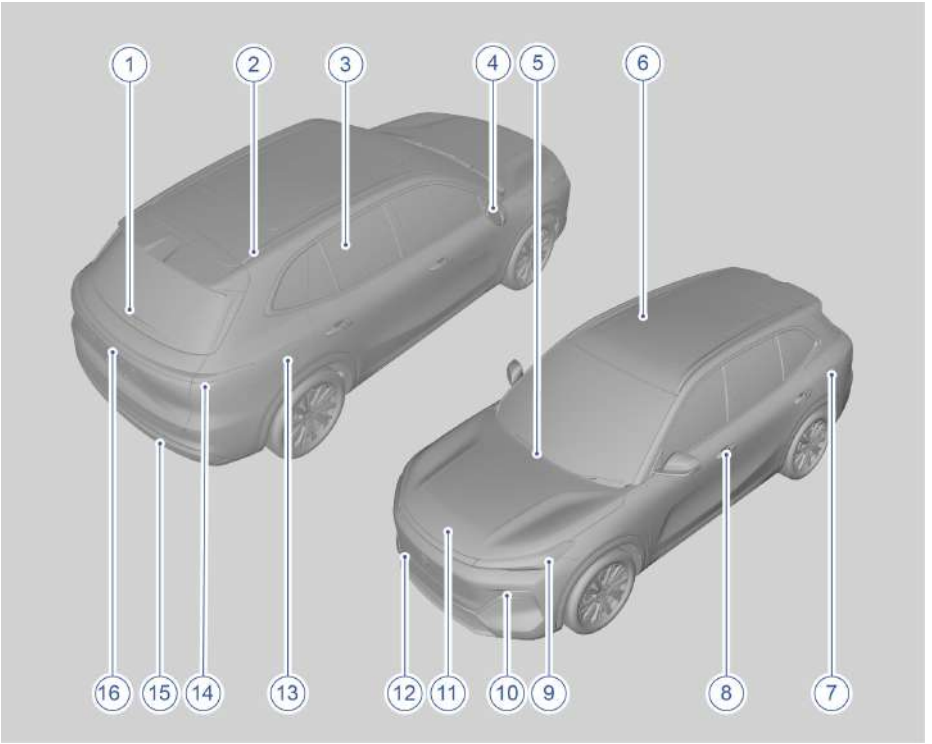
During a collision, the current event data may overwrite previous non-locked event data, following the chronological order of accident data storage.

The EDR helps personnel understand the vehicle's condition at the time of an event and enables them to act in accordance with laws and regulations. Additionally, the information can be used for engineering research and to assist PROTON in continuously improving product quality and safety.

In accordance with national laws and regulations, PROTON may be required to disclose recorded event data to certain authorities, such as the police, relevant public organisations, or other institutions with access to the event data recording system. Data must be read using specialised equipment that meets the corresponding standards, which connects either to the vehicle's OBD (On-Board Diagnostics) interface, providing access to vehicle diagnostic and performance data, or directly to the EDR controller to extract the data. Only authorised individuals or organisations are permitted to read or extract this data.

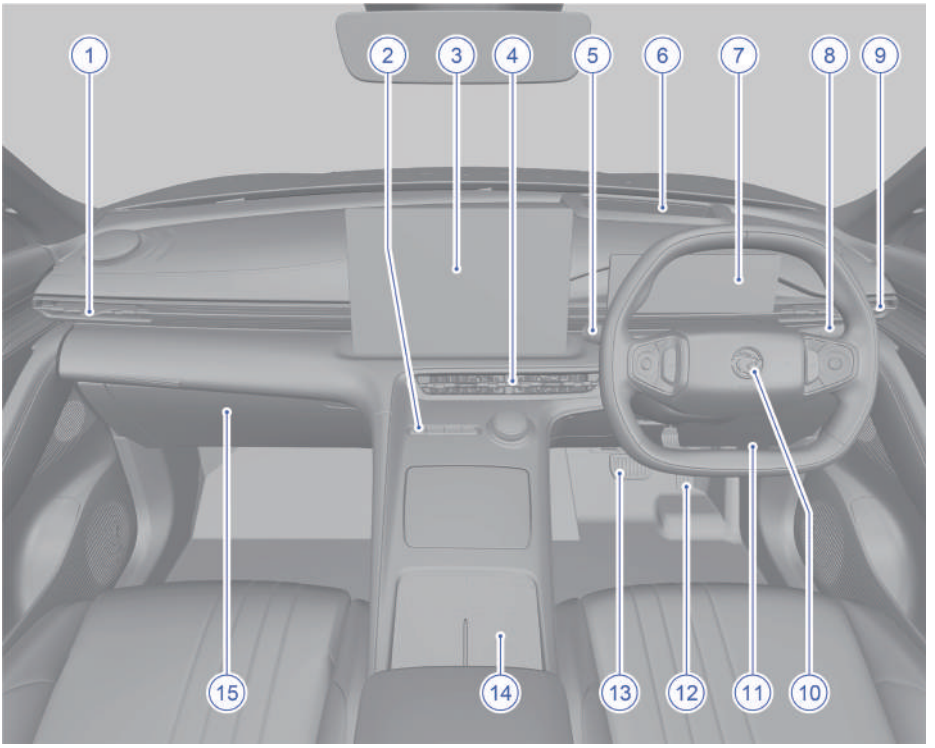
Access to data reading equipment: If necessary, contact an authorised PROTON e. MAS service outlet and, with their assistance, apply to the manufacturer for access to the equipment.

Overview of the Exterior



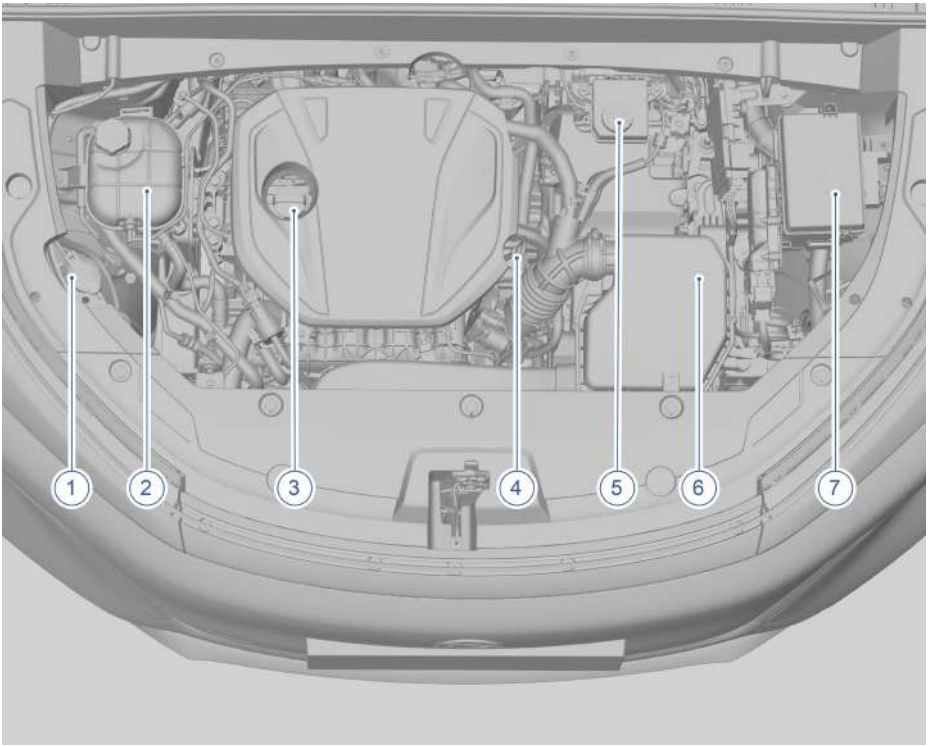
1. Rear wiper
2. Roof Rack
3. Window
4. Exterior rearview mirror (side mirror)
5. Front wiper
6. Panoramic sunroof*
7. Fuel lid
8. Exterior door handle
9. Daytime Running Light
10. Front combination light
11. Front hood
12. Front towing hook cover plate
13. Charging port lid
14. Rear combination light
15. Rear towing hook cover plate
16. Tailgate

Overview of the Interior



1. Left air outlet
2. A/C Control Panel on Centre Console
3. Multimedia display
4. Cente air outlet
5. Light/wiper combination switch
6. Head up display*
7. Meter instrument display
8. Gear shift lever
9. Right air outlet
10. Steering wheel
11. Front hood release lever
12. Accelerator pedal
13. Brake pedal
14. Wireless charging pad*
15. Glove box

Overview of the Front Compartment



1. Washer fluid reservoir
2. Coolant expansion tank
3. Engine oil filler cap
4. Dipstick
5. Brake fluid reservoir
6. Engine air filter
7. Front compartment fuse box

Seat Belts Overview

When the vehicle is in operation, all occupants must have their seat belts properly fastened. In the event of emergency braking or a collision, properly fastened seat belts help reduce the risk and severity of injuries.

- Improper use or failure to fasten seat belts may result in serious injury or death.
- No passenger should sit in a position without a seat belt or use a seat with a damaged seat belt.
- Each seat belt is designed for use by one occupant only. Do not share a seat belt with another person, including children.
- Do not route the shoulder belt across the neck or under the arm.
- Do not remove, disassemble, or modify the seat belt.
- Seat belts are primarily designed for adult occupants. Children must use appropriate child restraint systems.
- Never clean the seat belt with bleach, dyes, or chemical solvents.

Correct Use of Seat Belts

While driving, do not excessively recline the seat backrest, extend your head or arms out of the window, or lean too close to the airbag, as this may result in serious injury.◄

- The seatback should be in a vertical position and your back should make full contact with the backrest.
- The seat belt should not be twisted.
- The shoulder belt should be fastened across the shoulder and chest.
- The lap belt should be fastened as low as possible to ensure contact with the hip.

Seat Belt Safety Guidelines for Pregnant Women

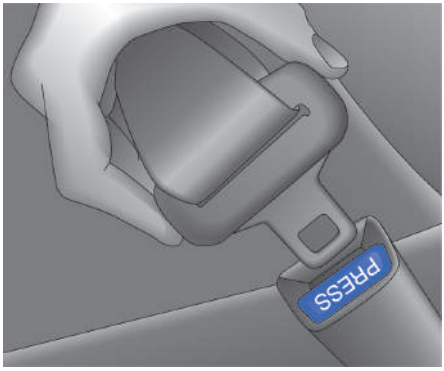
Before driving, pregnant women should consult their doctor. The method for wearing seat belts is generally the same as for other occupants, but the following precautions should be observed:

1. Adjust the lap belt so that it sits low on the hips, below the abdomen. Make sure the belt does not press on the stomach.
2. The shoulder belt must pass over the shoulder and across the chest. It must not pass over the abdomen.

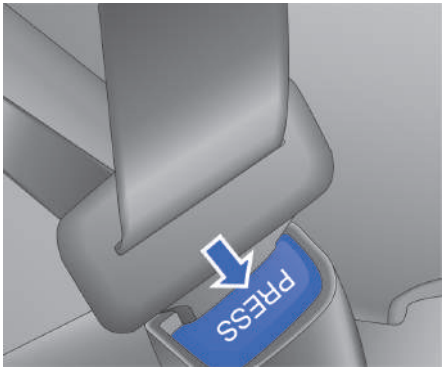
Incorrect use of the seat belt by a pregnant woman can cause serious injury to the mother and the fetus during emergency braking or a collision.◄

Three-point Seat Belts

1. Pick up the latch plate and pull the seat belt across your body. Do not twist the seat belt.
   Pull the three-point seat belt across your body slowly. If it locks because you pull it too quickly, release it and let it retract slightly, then continue pulling it slowly across your body.



2. Insert the latch plate into the buckle until you hear a ‘click’.
   Pull the latch plate to check that it is locked. Make sure the release button on the buckle is in a convenient position for unfastening the seat belt when needed.
3. Tighten the lap belt by pulling up the shoulder belt.



4. To release the seat belt, press the red button on the buckle. The seat belt will retract automatically.

Keep foreign objects such as food particles, nut shells, buttons, coins, or sticky liquids out of the seat belt buckle. They can cause the seat belt reminder or the buckle locking and unlocking functions to fail. ◀

Do not insert any objects other than the vehicle latch plate into the buckle. Inserting other objects can cause the buckle to fail, reducing the seat belt’s protective effect and possibly causing serious injury or death. ◀

After unfastening the seat belt, allow it to retract fully. This prevents damage to the surrounding area from excessively fast retraction or obstruction from slow retraction. ◀

Do not let the door touch the seat belt when closing it. Touching the seat belt can damage both the belt and the door. ◀

Seat Belt Pretensioner*

The seat belt has a pretensioner. In a collision, when the seat belt system reaches its trigger condition, the pretensioner

tightens the belt to protect the passenger. The pretensioner works only once. After a collision, contact an authorised PROTON e.MAS service outlet to replace the pretensioner, and check if other seat belt components need replacement.

Seat Belt Unfastened Reminder

This vehicle has a seat belt reminder for the driver, front passenger, and rear passengers. When a seat belt is unfastened, the warning light on the meter instrument illuminates. The display also shows which seat has the unfastened seat belt.

When the power system is on, the warning lamp illuminates if the driver, front passenger, or rear passenger seat belt is unfastened.

- If the vehicle speed is 10–25 km/h or the vehicle moves forward more than about 300 metres, the lamp flashes slowly with a warning tone.
- If the vehicle speed exceeds 25 km/h, the lamp flashes quickly with a warning tone.
- If the vehicle speed is above 10 km/h and a seat belt is unfastened, the lamp flashes with a warning tone.

The lamp and warning tone turn off when the seat belt in the corresponding position is fastened.

- Fastening the seat belt correctly reduces the risk of injury during emergency braking or a traffic accident. The driver and all passengers must fasten their seat belts properly while driving.
- Pay attention to the warning lamp on the meter instrument. Ignoring it can cause serious injury or property damage.◀

Airbags Overview

- Airbags are part of the passive safety system, but they do not replace seat belts. The driver and all passengers must wear their seat belts when the vehicle is moving.
- Airbags do not deploy in all accidents. Deployment depends on the collision position, angle, severity, and type of object involved. When airbags deploy, they inflate with great force. The driver and front occupants must sit at a safe distance from the front airbags, wear seat belts correctly, and maintain a correct seating position to reduce the risk of serious injury or death.
- Make sure there are no obstructions in the airbag deployment area. Do not place any objects between an occupant and an airbag. Obstructions can prevent the airbag from inflating correctly or can be forced into the occupant during deployment, causing serious injury or death.
- Do not touch the airbag after deployment. It can be hot and cause burns.
- When the airbag deploys, it releases gas and dust. These substances can irritate the skin and eyes. Seek medical attention if necessary.
- Do not service, repair, remove, or replace any part of the airbag system yourself. Doing so can cause the system to malfunction and may result in serious injury.
- The airbag system provides protection only once. After deployment, the airbag must be replaced immediately at an authorised PROTON e.MAS service outlet. ◀

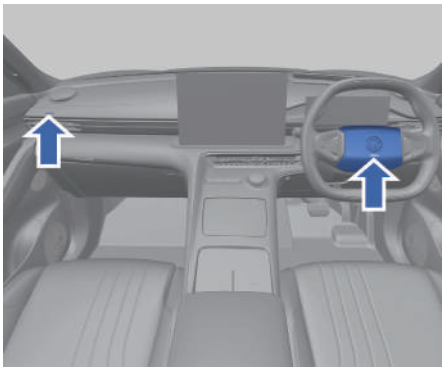
Do not place infants or children in the front seat, or hold them there. The airbag inflates with great speed and force, which can cause serious injury. ◀

Position of Airbags

Frontal Airbag

In a frontal collision, the frontal airbags help protect passengers and reduce injury from the impact.

In a moderate to severe frontal or near-frontal collision that triggers the system, the airbag inflates with gas. It cushions the forward movement of the driver and front passenger, helping prevent direct contact with the steering wheel or instrument panel.



One airbag is mounted in the centre of the steering wheel, and another is mounted in the instrument panel above the glove box. Both are marked with 'AIRBAG'.

Airbags deploy and deflate very quickly. They do not provide protection in a possible second collision.◄

- Do not press or hit the driver airbag cover plate violently. This can deploy the airbag and cause personal injury.
- Do not place objects or pets on the instrument panel, glove box, or steering wheel where airbags are installed. They can block airbag deployment or cause serious injury or death due to the airbag's high inflation force. Do not modify, remove, strike, or open any frontal airbag components or cables. Doing so can cause the airbag to inflate unexpectedly or make the system inoperable, resulting in personal injury or death.◄

While the vehicle is moving, do not sit on the side of the seat or lean against the instrument panel. Anyone close to the airbag can be seriously injured or killed when it inflates. Drivers and passengers must keep at least 25 cm distance from the airbag.◄

When the following conditions occur, contact a PROTON e.MAS service outlet immediately:

- Frontal airbags have deployed.
- The front of the vehicle was impacted, but the frontal airbags did not deploy.
- The frontal airbag cover has cracks, scratches, or other damage.

Side Airbag

The side airbag provides additional protection for the driver and front passenger, complementing the protection offered by the seat belts. In the event of a moderate to severe side impact, the side airbag inflates and works in conjunction with the seat belts to help reduce injury.

Side airbags primarily help reduce chest injuries to the driver and front passenger.

Side airbags are mounted in the seatbacks of the driver's seat and front passenger seat and are marked with "AIRBAG".

Due to the high speed and force of side airbag deployment, do not place your head or hands outside the window or near the side airbag deployment area while the vehicle is in motion. Failure to do so may result in serious injury or death. ◄

Do not install seat cover on the seat equipped with side airbag. Otherwise it may affect the deployment of side airbag. ◄

When the following conditions occur, contact an authorised PROTON e. MAS service outlet immediately:

- The side airbags have been deployed.
- The door is impacted without triggering deployment of the side airbag.
- The seat cover at the side airbag assembly has cracks, scratches, or other forms of damage. ◄

Before consulting the personnel of a PROTON e. MAS service outlet, do not perform any of the following operations that may affect the normal operation of the side airbags:

- Installing electronic devices, such as mobile two-way radio communication devices.
- Refitting the passenger-side body structure. ◄

Far Side Airbag*

The far side airbag provides additional protection for vehicle occupants, supplementing the safety offered by the seat belts. In the event of a moderate to severe side impact, the far side airbag inflates and works together with the seat belts to help reduce the risk of injury.

Far side airbags primarily help reduce contact injuries between the driver and front passenger, as well as the risk of collisions with hard interior objects such as the center console and seats.

The far side airbag is installed on the left side of the driver seat's seatback.

Due to the high speed and force of far side airbag deployment, do not place your head or hands outside the window or near the deployment area while the vehicle is in motion. Failure to follow this may result in serious injury or death. ◄

Do not install a seat cover on a seat equipped with a far side airbag, as it may interfere with airbag deployment.◄

When the following conditions occur, contact an authorised PROTON e. MAS service outlet immediately:

- The far side airbag have been deployed.
- The door is impacted, but the far side airbag did not deploy.
- The seat cover at the far side airbag assembly has cracks, scratches, or other damage.◄

Before consulting personnel at a PROTON e. MAS service outlet, do not perform any of the following operations, as they may affect the normal operation of the far side airbags:

- Installing electronic devices, such as mobile two-way radio communication devices.
- Refitting the passenger-side body structure.◄

Side Curtain Airbag

Side curtain airbags provide additional protection for the driver, front passenger, and rear outboard passengers, supplementing the protection offered by the seat belts. In the event of a moderate to severe side impact, the side curtain airbags inflate and work together with the seat belts to help reduce impact injuries. They are primarily designed to reduce head injuries for the driver, front passenger, and rear outboard passengers.

The side curtain airbags are installed above the doors on both the left and right sides of the vehicle and are labeled with the “AIRBAG” marking.

Side curtain airbags deploy with considerable speed and force. Do not place your head or hands outside the window or near the deployment area while the vehicle is in motion, as this may result in serious injury.◄

Do not install any decorative parts or accessories near the side curtain airbags, including on the windshield, door glass, side pillars, roof sides, auxiliary handles, or stick microphones. If the side curtain airbags deploy, these items may be propelled by the strong deployment force, which can cause personal injury or interfere with proper airbag operation.◄

When the following conditions occur, contact an authorised PROTON e. MAS service outlet immediately:

- The side curtain airbags have been deployed.
- The door is impacted, but the side curtain airbag did not deploy.

- When the front pillar, rear pillar, roof side member, or ceiling components fitted with side curtain airbags are scratched, cracked, or otherwise damaged. ◀

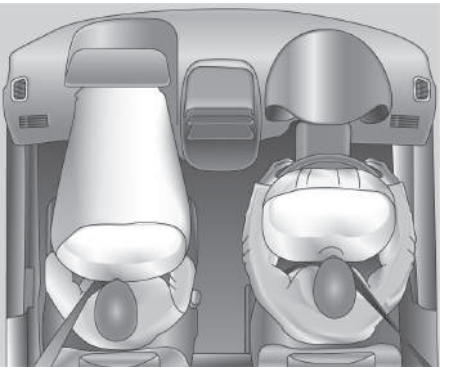
Before consulting the personnel of a PROTON e. MAS service outlet, do not make any of the following operations, otherwise it may affect the normal operation of side curtain airbag:

- Installing electronic devices, such as mobile two-way radio communication devices.
- Refitting the suspension system.
- Repairing at or near the bracket. ◀

Deployment of Airbags

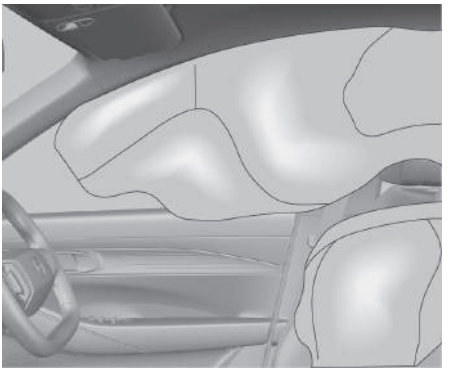
Deployment of Frontal Airbags

The frontal airbags deploy when the vehicle hits a solid wall at 25 km/h or above.



In the event of a collision, airbag deployment depends on the type of object struck, the direction of impact, and the vehicle's deceleration speed. The frontal airbags deploy during a frontal collision when the airbag system's trigger conditions are met.

Deployment of Side, Far Side, and Side Curtain Airbags



When the vehicle experiences a moderate or severe side impact and the designed

activation threshold is reached, the side airbags, far side airbags, and side curtain airbags will deploy.

In the event of a side impact, deployment of the side airbags, far side airbags, and side curtain airbags helps reduce the risk of upper body and pelvis injuries.

Situations Where Frontal Airbags May Not Deploy

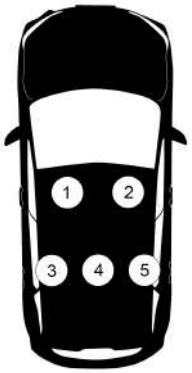
- The vehicle is not started.
- Collision with easily deformable objects, such as trees.
- Collision with low objects, such as curbs or steps, during driving.
- Sudden drop into a trench or pit.
- Underride collision with the rear of a truck.
- Rollover.
- Side impact, rear impact, or minor frontal impact.
- Malfunction of the airbag system.
- Other special cases.

Situations Where Side, Far Side, and Side Curtain Airbags May Deploy

- Frontal or near-frontal impact.
- Rear impact.
- Rollover.
- Minor side impact.
- Malfunction of the airbag system.
- Other special cases.

Selection of Child Restraint System

This vehicle is capable of supporting the following CRS:

Seat Position Number		1	2	3	4	5
	Seating position suitable for universal belted (Yes/No)	No	No	Yes	No	Yes
	Seating position suitable for i-Size seat (Yes/No)	No	No	Yes	No	Yes
	Seating position suitable for ISOFIX lateral fixture (L1/L2)	No	No	No	No	No
	Seating position suitable for ISOFIX rearward facing fixture (R1/R2/R3)	No	No	R1, R2, R3	No	R1, R2, R3
	Seating position suitable for ISOFIX forward facing fixture (F2/F2X/F3)	No	No	F2, F2X, F3	No	F2, F2X, F3

ISOFIX CRS Size Classes and Fixtures:

- A – ISO/F3: Full-height forward facing toddler CRS;
- B – ISO/F2: Reduced-height forward facing toddler CRS;
- B1–ISO/F2x: Reduced-height forward facing toddler CRS;
- C – ISO/R3: Full-size backward facing toddler CRS;
- D – ISO/R2: Reduced-size backward toddler CRS;
- E – ISO/R1: Rearward facing infant CRS;
- F – ISO/L1: Left lateral facing position CRS (carry-cot);
- G – ISO/L2: Right lateral facing position CRS (carry-cot).

For the installation of child restraint system, if necessary, remove the head restraint and install the child restraint system in accordance with the manual's instruction (only applicable to seatback with removable headrest).◄

Recommended CRS information:

Mass group	CRS yang Disarankan
Group 0: less than 10 kg	Joie i-spin 360 (Rear facing, recliner set to position 1)
Group 0+: less than 13 kg	Joie i-spin 360 (Rear facing, recliner set to position 1)
Group I: 9 ~ 18 kg	Joie i-spin 360 (Rear facing, recliner set to position 1)
Group II: 15 ~ 25 kg	—
Group III: 22 ~ 36 kg	—

When full-sized rearward facing toddler CRS is installed on a rear seat, the front seat's seatback angle should be adjusted with upright angle corresponding to a torso angle of 15 degrees, then the CRS can be installed correctly without interference with front seat. ◀

To place and secure child in the child restraint system, please refer in the CRS's owners manual for the details of positioning the integrated harness and integrated headrest of the CRS. ◀

Use of Child Restraint System (CRS)

Safety for Infants, Young Children and Older Children

Infants and Young Children

The seat belt and airbag systems in this vehicle are not designed to protect infants or young children. Appropriate child restraint systems must be used for infants and young children.

- If the shoulder belt becomes wrapped around a child's neck, the child may suffer serious injury or even death when the seat belt retracts. Do not allow children to remain alone in the vehicle or to play with the seat belts.
- Do not carry an infant or young child on your lap while the vehicle is in motion. In the event of a collision, the forces involved will make it impossible to hold an infant or young child. Infants and young children must be secured in an appropriate child restraint system.
- The neck of an infant or young child is not fully developed, and the head is proportionally heavier than the rest of the body. To reduce the risk of neck and head injuries in a collision, infants and young children require comprehensive support. ◀

Older Children

Older children who are beyond the range of child safety seats must wear seat belts.

The instructions provided with the child safety seat specify the applicable weight and height limits. Children who meet the following conditions must use the child safety seat together with the seat belt:

- The child cannot sit with their back fully against the seat back, and their knees cannot bend naturally over the edge of the seat.
- The shoulder belt does not fit properly over the child's shoulder when the seat belt is fastened.
- The lap belt cannot be positioned low and snug across the child's hips and close to the buttocks.
- The seat belt cannot remain properly fastened during vehicle driving.

An older child must wear the seat belt correctly. Make sure that the seat belt does not pass across the child's face or neck and that the lap belt fits snugly across the hips. This allows the seat belt to provide optimal restraint force in a collision.

Make sure that the seat belt is not fastened across the abdomen. Otherwise, serious injury may occur in the event of a collision.

Children who do not have their seat belts fastened may collide with other occupants who are wearing seat belts or be thrown out of the vehicle in the event of a collision, resulting in serious injury or death.

Two children must never share a seat belt. Otherwise, the seat belt cannot properly distribute impact forces, which may result in serious injury or death in the event of a crash. ◀

Do not allow the seat belt to be positioned behind a child's back when the child is wearing a seat belt. Otherwise, serious injury or death may occur in the

event of a collision. The seat belt should be positioned across the shoulder and chest. ◀

Description of Child Restraint System

It is generally recommended that infants and young children up to 3–4 years of age use a rearward-facing child safety seat.

For children who are too large for a rearward-facing child safety seat, a forward-facing child safety seat may be used.

For children whose size exceeds the limits of a forward-facing child safety seat, an auxiliary seat cushion (booster seat) should be used together with the seat belt.

Installation of Child Restraint System (CRS)

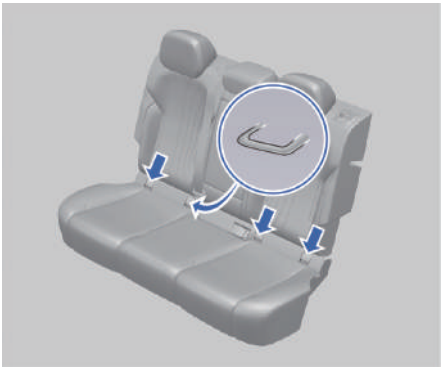
For optimal safety, children and infants should always be properly secured in a child restraint system (CRS) on the rear seats.

Before installing a child restraint system on the rear seat, carefully read the instructions provided with the system and ensure that it is compatible with this vehicle. ◀

Warning labels are attached to the front and back of the front passenger side sun visor, indicating that the vehicle is equipped with frontal airbags and that related safety precautions must be observed.

- Do not use a rearward-facing child restraint on any seat protected by an active frontal airbag.
- Do not place a rearward-facing child restraint on the front passenger seat. Infants and young children may be seriously injured or killed if the airbag inflates while they are too close to it. ◀

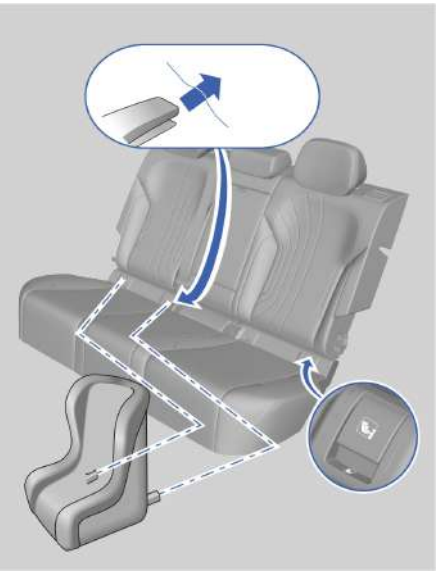
Installation of ISOFIX Child Restraint System (CRS)



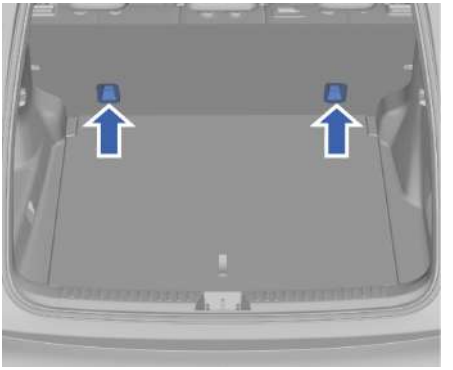
Dedicated ISOFIX anchorage points are located in the gaps on both sides at the rear of the seat cushion. These anchorage points are used to install a child restraint system that meets ISO specifications on the rear seat. When using ISOFIX, it is not necessary to secure the child restraint system with the seat belt. Always follow the child restraint manufacturer's instructions when installing and using the system, as improper installation may reduce its protective effectiveness.

Confirm with the manufacturer that the child restraint system is suitable for this vehicle.◀

Install a child safety seat that requires a top tether according to the following procedure:



1. Lower the seat headrest to the lowest position.
2. Locate the ISOFIX anchorage points on the vehicle seat.
3. Align the ISOFIX connectors on the child restraint system with the vehicle's ISOFIX anchorage points and insert them securely.
4. Make sure all buckles are securely fastened.



5. Make sure the child seat's top tether (the strap located at the top rear of the child restraint system) is attached to the designated vehicle anchor point. If the tether is too short, use an approved extension strap.

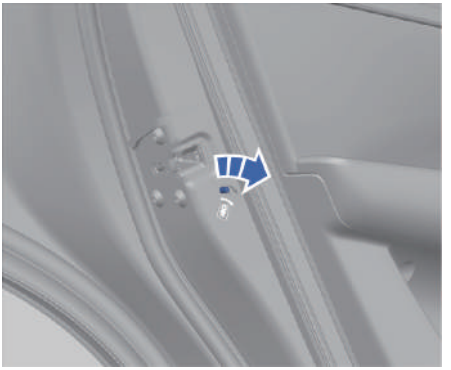
Make sure the top tether strap is securely fastened. Push and pull the child restraint system in several directions to verify it is firmly installed. Always follow the manufacturer's instructions for proper installation.◀

If the child restraint system is not correctly installed on the ISOFIX anchorage points, it may not function properly. This can result in serious injury or death to the child. When installing a child restraint system, make sure to follow the manufacturer's instructions carefully.

WARNING: Child restraint anchorages are designed to withstand only the forces generated by properly installed child restraints. Under no circumstances should they be used for adult seat belts, harnesses, or for attaching any other items or equipment to the vehicle.

Always install the child restraint system while the vehicle is stationary. When the ISOFIX child restraint system is properly attached to the ISOFIX anchorage points, a "click" sound will confirm it is securely fixed. ◀

Child Safety Lock



The left and right rear doors are equipped with child safety locks. Use the child safety locks whenever the rear seats on the left or right sides are occupied by children.

The child safety lock switch is located on the outer edge of the rear door. Move the switch in the direction of the arrow as shown in the figure. When engaged, the child safety lock is in the "locked" position: the door cannot be opened from the inside but can still be opened from the outside, helping to protect the safety of children.

After setting the child safety lock, make sure to check that the door cannot be opened from the inside to ensure the lock is functioning correctly.◀

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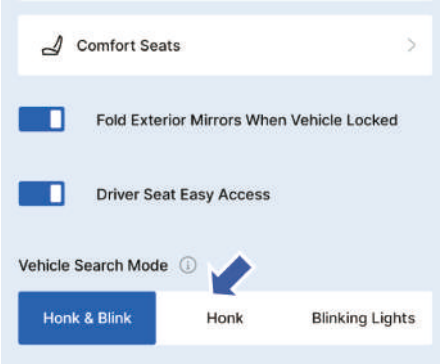
Car Search

When you forget the parking position of the vehicle, you can press the locking/car search button on the smart key twice consecutively to find it.



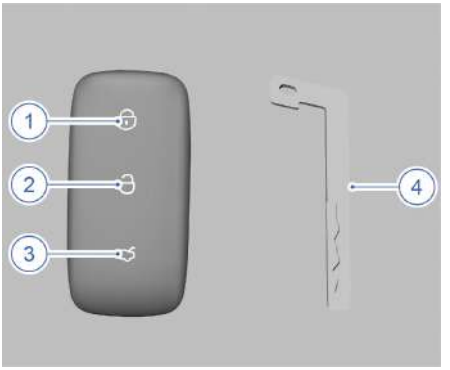
Click the following on the multimedia display in sequence: Vehicle Settings → Vehicle Control → Car Search Mode, and then select Honk & Flash, Honk or Flashing Light in the interface.

Intelligent Key Lock and Unlock

Intelligent Key Buttons

The intelligent key has been matched with the vehicle system. If the intelligent key is lost, damaged or stolen, contact an authorised PROTON e. MAS service outlet immediately. The control functions such as starting, unlocking and locking will be canceled for the lost, damaged or stolen intelligent key. If the intelligent key is retrieved, PROTON e. MAS service outlet can reactivate it.

A new intelligent key should be paired with the vehicle at PROTON e. MAS service outlet before normal use.◀

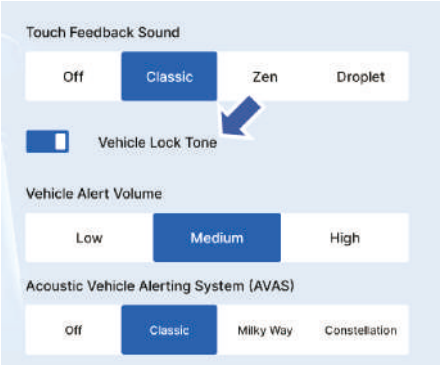


1. Locking/Vehicle Search Button
2. Unlocking Button
3. Tailgate Button
4. Mechanical key

Remote Locking Operation

When the locking/locating button on the intelligent key is briefly pressed, all four doors lock. A locking confirmation sound is emitted, the turn signal lights flash, the interior lamps turn off, and the multimedia

system is powered off. If any door is not fully closed, the doors will not lock when the locking/locating button on the intelligent key is pressed.



On the multimedia display, select the following in sequence: Vehicle Settings → Sound Settings → Prompt Sound → Locking Prompt Sound. Then, enable or disable the locking prompt sound on the interface.

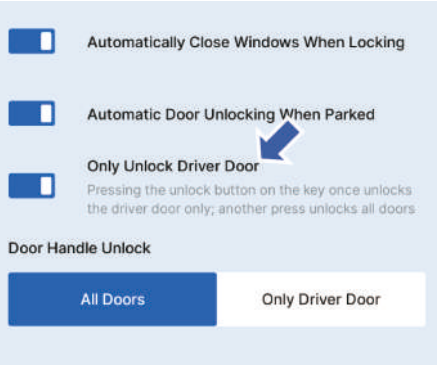
Remote Unlocking Operation

Briefly press the unlocking button on the intelligent key to unlock all four doors; the turn signal lights flash twice. Briefly press the tailgate button on the intelligent key to unlock the tailgate. If the vehicle is equipped with a power tailgate, press and hold the tailgate button on the intelligent key to open the tailgate automatically.

Children must never be allowed to enter the tailgate. Always ensure that the tailgate is fully closed when the vehicle is unattended. If a child becomes trapped inside the tailgate, escape may not be possible, which can lead to heat stroke or other serious unintentional injuries.◀

- Keep the spare intelligent key in a safe place and do not leave it inside the vehicle.
- Electronic interference from items with built-in anti-theft chips may cause the intelligent key system and the vehicle anti-theft system to malfunction, preventing the vehicle from starting.
- If the anti-theft alarm is triggered by opening a door with the mechanical key, use the intelligent key to unlock the door to deactivate the alarm.◀

Setting the Remote Unlocking Function



On the multimedia display, navigate in sequence: Vehicle Settings → Vehicle Control → Doors and Windows. Then, enable or disable the Driver Side Door Unlock function.

- After this function is enabled, briefly press the unlocking button on the intelligent key once to unlock only the driver's door. Press the unlocking button again to unlock all doors.
- After this function is disabled, briefly pressing the unlocking button on the intelligent key once will unlock all doors.

If the intelligent key is affected by interference from other signals, the vehicle may not detect the key, start, lock, or unlock properly.

- The intelligent key may be blocked or interfered with by metal objects, such as placing the intelligent key together with a mobile phone that has a metal case.
- Do not place the intelligent key near a backup power supply or within the interference range of external devices operated by a backup power supply.
- Do not place electronic devices that generate strong interference — such as laptops, Bluetooth headsets, power converters and chargers, Bluetooth access cards, intercoms, or similar devices — next to or together with the intelligent key. ◀

Do not change the transmission frequency or increase the signal strength of the intelligent key without authorization, including installing additional signal amplifiers. Also, do not connect an external detection antenna or use other transmitting/detection antennas without authorization. ◀

Keyless Lock and Unlock

Keyless Unlocking Operation

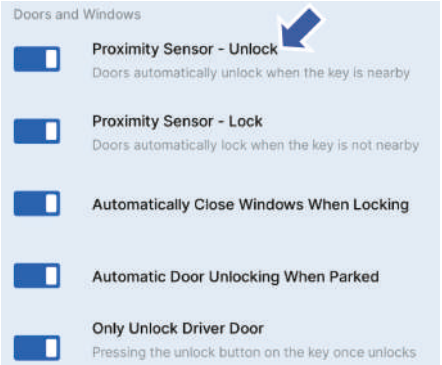
Type I

Unlock and Lock Button

On the multimedia display, select the following in sequence: Vehicle Settings → Vehicle Control → Doors and Windows, and set the door unlocking range to All Doors.

When carrying a valid intelligent key and within range of the driver's door, press the unlock/lock button on the driver's outer door handle. All four doors will automatically unlock, and can be opened by pulling the outer handles. After unlocking, the turn signals will flash.

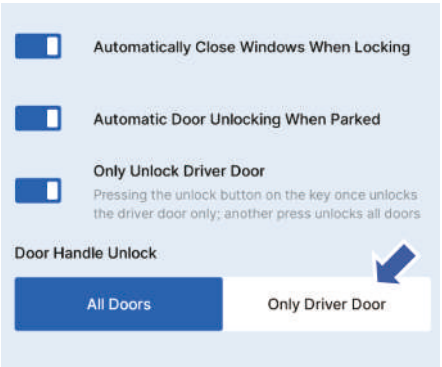
Type II



On the multimedia display, select the following in sequence: Vehicle Settings → Vehicle Control → Doors and Windows, and enable the Proximity Sensor - Unlock function.

When this function is enabled, the vehicle remains locked until a driver carrying a valid intelligent key comes within the detection range. At that point, the doors unlock automatically and the turn signals flash.

Setting the Keyless Entry Function



On the multimedia display, select the following in sequence: Vehicle Settings → Vehicle Control → Doors and Windows, then choose either All Doors or Driver Door in the Door Handle Unlock interface.

- **All Doors:** After this function is enabled, pressing the unlock/lock button on the driver's door handle will automatically unlock all four doors.
- **Driver's Door Only:** After this function is enabled, pressing the unlock/lock button on the driver's door handle unlocks only the driver's door; the other doors remain locked.

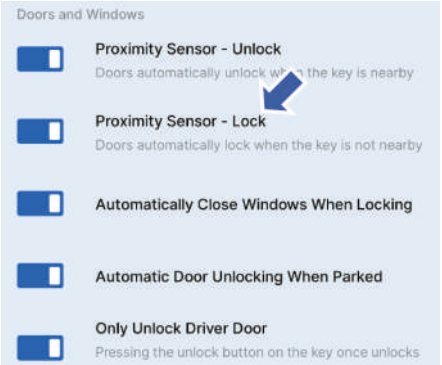
Keyless Locking Operation

Type I

Unlock and Lock Button

After closing all four doors and the tailgate, press the unlock/lock button on the driver's outer door handle to lock all doors. Once the doors are locked, the turn signals flash, the locking sound is heard if the locking prompt sound function is enabled, and the interior lights fade out.

Type II



On the multimedia display, select the following in sequence: Vehicle Settings → Vehicle Control → Doors and Windows, and enable the Proximity Sensor - Lock function. After this function is enabled, the vehicle remains unlocked with all four doors closed. When the driver walks away carrying a valid intelligent key, the vehicle locks automatically, the turn signals flash, and the locking sound is emitted if the locking prompt sound function is enabled.

Keyless locking may fail under the following conditions:

- The vehicle is not powered off.
- One or more doors are not fully closed.

The following conditions may affect the Proximity Sensor – Unlock and Proximity Sensor – Lock functions:

- The intelligent key only works within a certain range. Its effective range may be affected by physical or geographic factors. For safety, always check that the vehicle locks or unlocks successfully.
- In areas with strong signal interference—such as charging stations, large parking lots, substations, or when the intelligent key is placed near devices like phones, Bluetooth headsets, computers, or inverters—the key may be affected. This can cause occasional abnormal behavior, such as unlocking or locking failures. If this occurs, wait 1 second before placing your hand on the door handle sensor to unlock or lock the vehicle.
- If the intelligent key remains near the vehicle for an extended period, the Proximity Sensor – Unlock or Proximity Sensor – Lock may automatically turn off to save vehicle power. These functions can be reactivated by unlocking the vehicle or opening and closing a door. ◀

After the vehicle is locked using the Proximity Sensor – Unlock, check the locking prompt and verify that all doors are securely locked before leaving.

Central Lock and Unlock

All doors will lock when the central lock button is pressed while all doors are closed.

All doors will unlock when the central lock button is pressed while all doors are locked.

Unlocking using the central lock button inside the vehicle can only be performed when the anti-theft system is disabled. When the anti-theft system is active, unlocking from inside is not possible. ◄

Automatic Lock and Unlock

Automatic Re-lock

When the vehicle is locked and the unlock button on the intelligent key is pressed, if none of the four doors or the tailgate is opened, all doors will automatically re-lock. The interior lamps turn off, and the anti-theft system is activated.

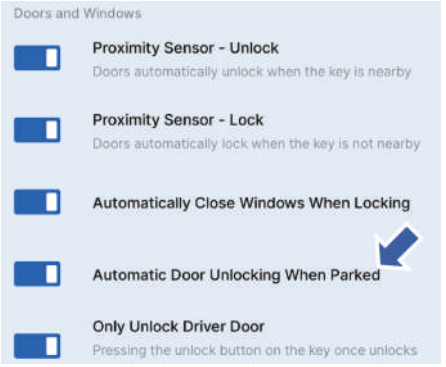
Automatic Locking During Driving

While the vehicle is in motion, the doors automatically lock when the vehicle speed exceeds a certain value.

Collision Unlocking

In the event of a severe collision, when the system detects an impact, all four doors unlock automatically to allow occupants to exit the vehicle quickly. Automatic unlocking depends on the severity of the impact and the type of accident.

Automatic Unlocking When Parking



On the multimedia display, select the following in sequence: Vehicle Settings → Vehicle Control → Doors and Windows, and

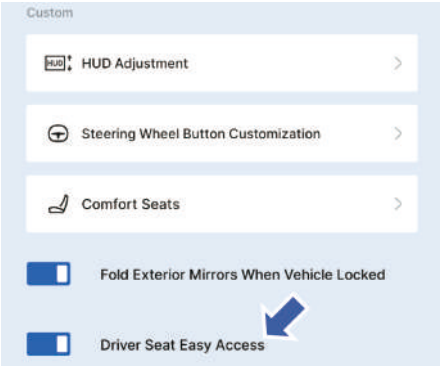
enable or disable the Automatic Unlocking When Parking function.

When this function is enabled, the doors automatically unlock once the locked vehicle stops and the gear is shifted to P.

Opening Door

When the doors are unlocked, the doors can be opened by pulling the interior or exterior door handles.

Easy Access*



On the multimedia display, select the following in sequence: Vehicle Settings → Vehicle Control → Doors and Windows → Driver Seat Easy Access, and then enable or disable the function.

- **Comfortable Get-Off:** When the driver's door is opened, the seat automatically moves backward to make exiting the vehicle easier.
- **Comfortable Get-In:** When the driver's door is opened, the seat automatically moves backward. After closing the door, the seat returns to its memorized position.

During the operation of the Comfort function, turning the system on or off, or manually adjusting the seat, will interrupt the Easy Access function. ◀

Occupant Detection Alert *

On the multimedia display, select the following in sequence: Vehicle Settings → Driver Assistance → Intelligent Reminder → Occupant Detection Alert, and enable or disable the Occupant Detection Alert function.

After the vehicle is locked, if the system detects the presence of an occupant or an active pet (larger than 20 × 50 cm), a warning light and horn will be activated, and a message will be sent to the driver. If the presence continues after the initial alert, the warning escalates to a cyclic alert. If the interior temperature becomes too high, the system automatically lowers the windows to ventilate and reduce the interior temperature.

After the vehicle is locked, significant movement or vibration caused by non-living objects inside the vehicle (such as seat movement or swinging decorations) may affect the accuracy of the detection function. ◀

Opening and Closing of Tailgate

Opening the Tailgate

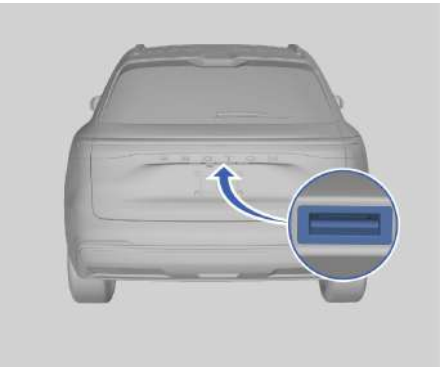
When opening or closing the tailgate manually, do so slowly and gently. Improper operation may cause damage or affect proper function.◀

Opening the Tailgate from Inside the Vehicle*

Swipe down from the top of the multimedia screen and tap the tailgate button to open the tailgate.

If the steering wheel customization button is set to **Tailgate**, press and hold the button to open the tailgate.

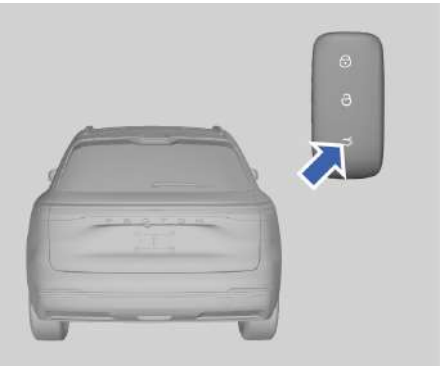
Opening the Tailgate from Outside the Vehicle



To open the tailgate from outside the vehicle, do one of the following:

- When the vehicle is stationary and unlocked, press the tailgate button on the tailgate to open the tailgate.
- When the intelligent key is near the tailgate and within range, press the tailgate button on the tailgate to open the tailgate.

Unlocking the Tailgate with the Intelligent Key



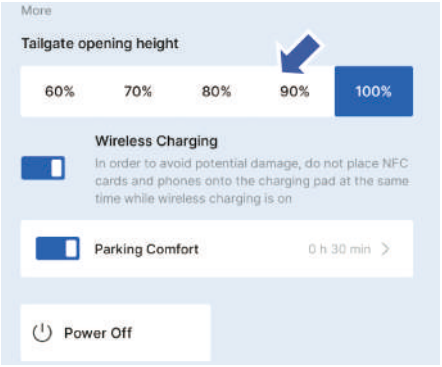
When vehicle power is OFF or in ACC, press and hold the tailgate button on the intelligent key to unlock the tailgate, then

press the tailgate button on the tailgate to open it.

For models with a power tailgate, press and hold the tailgate button on the intelligent key. The tailgate will unlock and automatically open to the preset height.

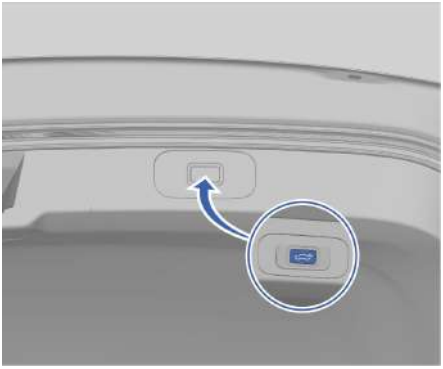
Tailgate Opening Height Setting *

Tailgate Opening Height Setting via Multimedia Display



On the multimedia display, select the following in sequence: Vehicle Settings → Vehicle Control → More → Tailgate Opening Height. Adjust the setting on the interface to set the tailgate opening height.

Tailgate Opening Height Setting via Tailgate Close Button

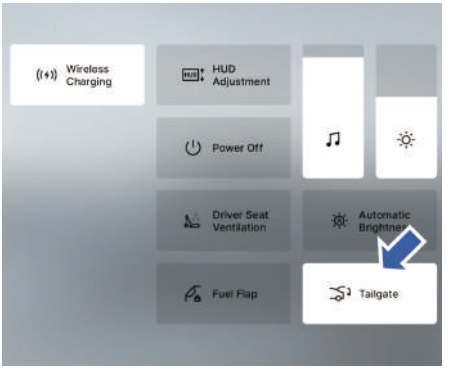


Follow the steps below to set the tailgate opening height:

1. When the tailgate is opening automatically, press the tailgate close button to suspend automatic opening.
2. Press and hold the tailgate close button until you hear two beeps. The tailgate height is now set. The next time the tailgate opens, it will use this height setting.
3. To adjust the height setting, move the tailgate up or down manually, then repeat step 2. The tailgate will reset to the new opening height.

Closing the Tailgate *

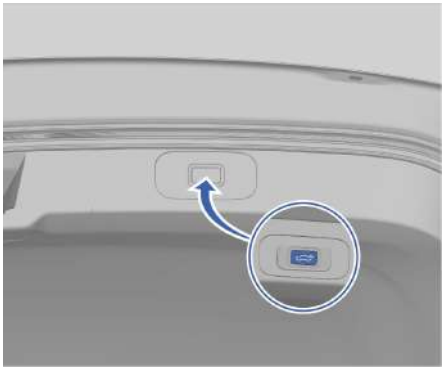
Closing the Tailgate from Inside the Vehicle



To close the tailgate from inside the vehicle, do one of the following:

- Swipe down from the top of the multimedia screen and tap the tailgate button to close the tailgate.
- If the steering wheel customization button is set to Tailgate, press the button briefly to close the tailgate.

Closing the Tailgate from Outside the Vehicle



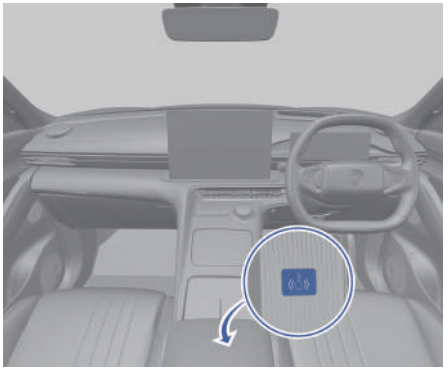
To close the tailgate from outside the vehicle, do one of the following:

- When the vehicle is stationary and the tailgate is open, press the tailgate button on the tailgate briefly to close it.
- When the tailgate is open, press and hold the tailgate button on the intelligent key to close the tailgate.

Anti-theft System

The vehicle is equipped with an anti-theft system. The system automatically disarms when the brake pedal is pressed, the gear is not in Park (P), and a valid intelligent key is detected in the vehicle.

If neither of the following two methods starts the vehicle, contact an authorised PROTON e. MAS service outlet to obtain a new intelligent key.



- Place the intelligent key in the key symbol area inside the storage box of the centre console.
- If no visible damage is found on the intelligent key, try another intelligent key.

Do not leave the intelligent key or any device that can disable the anti-theft system inside the vehicle.◀

Anti-theft Alarm System

The anti-theft alarm system generates audible and visual alerts when a potential vehicle theft is detected. The system automatically enters the armed state 30 seconds after the vehicle is locked.

Locking the vehicle from outside using an intelligent key or the keyless entry system will disable the functions of any

other intelligent keys left inside the vehicle after 30 seconds.

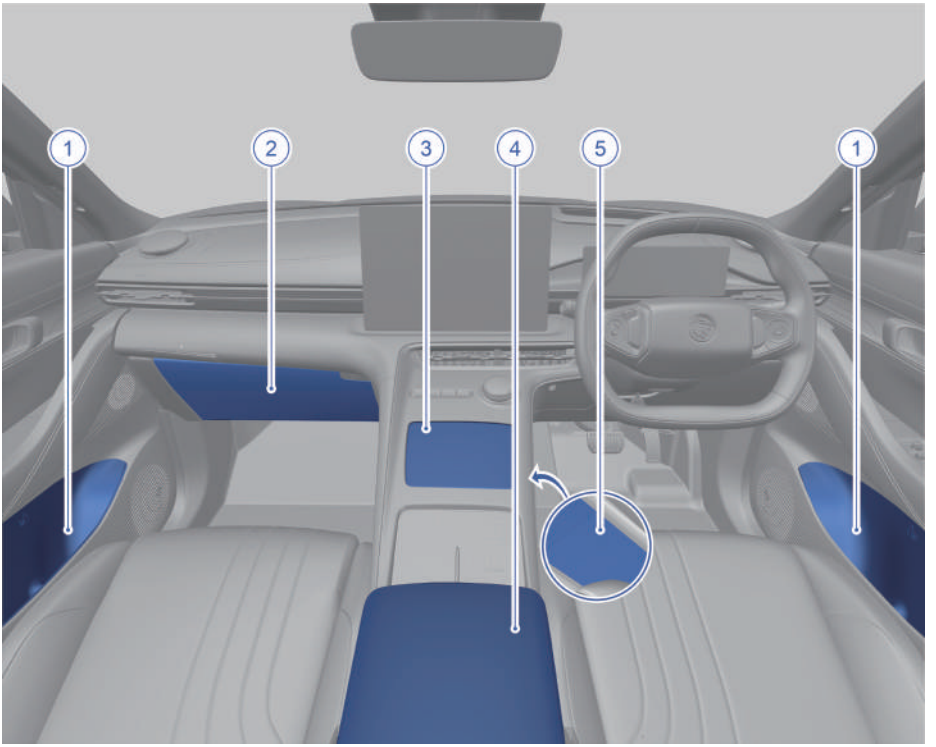
◀

When the system is in the armed state, the anti-theft alarm will be triggered if the doors, front hood, or tailgate are opened improperly.

The triggered anti-theft alarm can be deactivated in any of the following ways:

- Start the vehicle with the intelligent key inside the vehicle detection range.
- Unlock the vehicle using a valid intelligent key. ◀

Front Storage



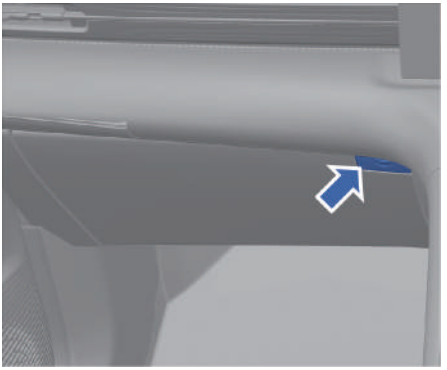
1. Door storage compartment
2. Glove box
3. Front cup holder
4. Storage box of the front centre armrest
5. Lower storage compartment of the front center console

Opening and Closing the Centre Armrest

A storage box is located under the front centre armrest and can be accessed by flipping up the armrest.

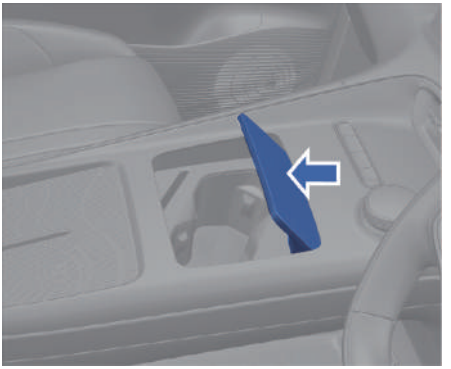
Do not open the storage box under the front centre armrest while driving. ◀

Opening and Closing the Glove Box



Press the glove box opening button to open the glove box. To close it, push the glove box cover forward until it clicks into place.

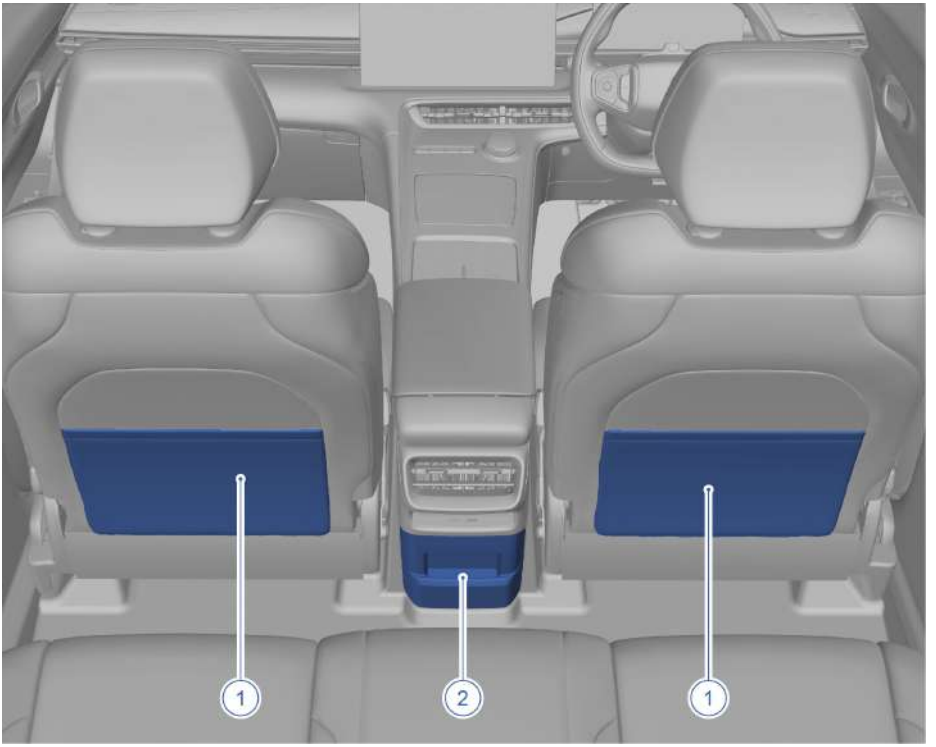
Opening and Closing the Front Cup Holder Cover



Press the front cup holder cover to release it. The cup holders can then be accessed.

When the front cup holder is opened, it is easy for foreign objects to fall off. The back of the bridge hole below the front cup holder is designed with a cover. When foreign objects fall off, they can be removed from the back after opening the cover. ◀

Rear Storage

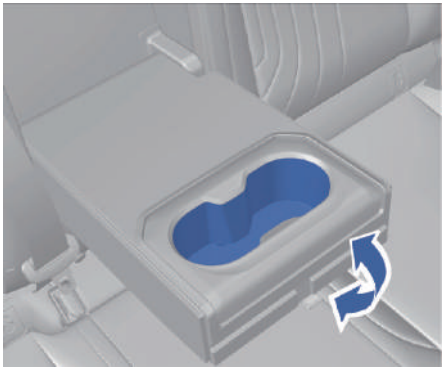


1. Magazine bag
2. Rear storage box of the centre console

The magazine bag is located on the back of the front seat and is intended for storing small items such as newspapers and maps.

Do not place heavy or sharp objects in the magazine bag to prevent damage. ◀

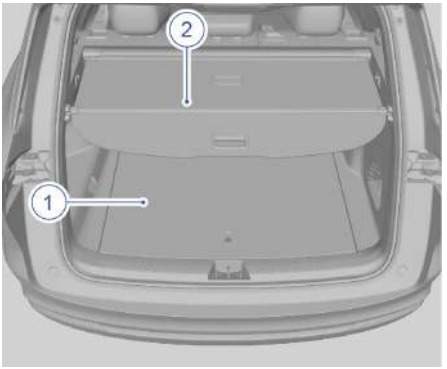
Rear Centre Armrest *



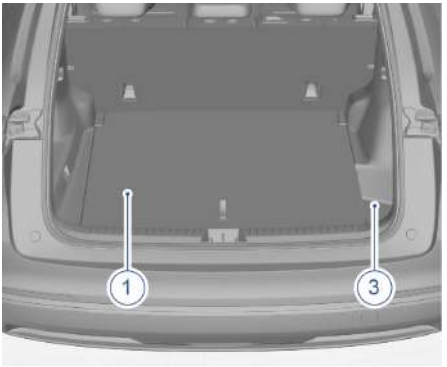
The rear centre armrest is located in the middle of the rear seatbacks and can be used by folding it fully downward. The rear cup holders can be accessed by lowering the rear centre armrest.

Luggage Compartment

Type I



Type II



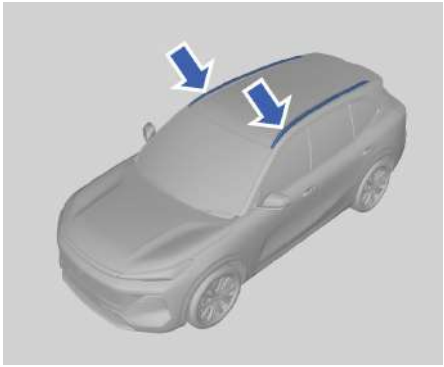
1. Luggage compartment
2. Tonneau cover*
3. Luggage compartment storage box*

When the tailgate is opened, items can be loaded into the luggage compartment, and the luggage compartment light illuminates automatically.

Do not leave pets in the luggage compartment, as this may result in accidental injury. ◀

- If the load exceeds the vehicle's specified loading capacity, or if the load is unevenly distributed, vehicle handling may be seriously affected and driving safety reduced. In the event of a collision or emergency braking, luggage in the loading area may move. Always place items as low and as far forward as possible, positioning them close to the rear seatbacks.
- When loading high or large objects, ensure their height does not exceed the rear seatback or luggage compartment. All objects must be properly secured to maintain driving safety.◀

Roof Rail



The vehicle is equipped with load-bearing roof rail (or roof racks), with a maximum load capacity of 50 kg.

- Only use roof racks that are suitable for this vehicle, along with appropriate fixing devices (including accessories such as cross members to support the load). Ensure that objects on the roof racks do not interfere with the operation of the sunroof.
- All items on the roof racks must be firmly secured; otherwise, there is a risk of accidents.
- Do not overload the roof or exceed the approved gross vehicle weight.
- Loading objects on the roof racks raises the vehicle's centre of gravity. Avoid high-speed driving, sudden acceleration, emergency braking, and sharp turns.
- Carrying large objects on the roof racks may affect vehicle handling and steering response, increasing the risk of accidents.

- When installing roof racks or transporting items on them, comply with all relevant local traffic regulations.◀

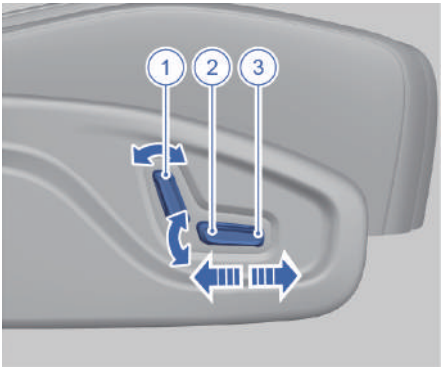
Seat Adjustment

Do not adjust seats while driving to prevent from losing control of the vehicle and thus cause personal injury or death. ◄

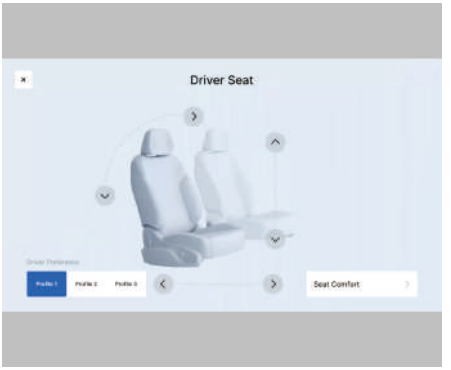
- The seatback should not be over inclined during driving. Otherwise, it may cause personal injury or death in the event of a collision.
- In case of accident, the seat belt can provide maximum protection only if the correct sitting posture is maintained. ◄

Electric Adjustment of Driver Seat*

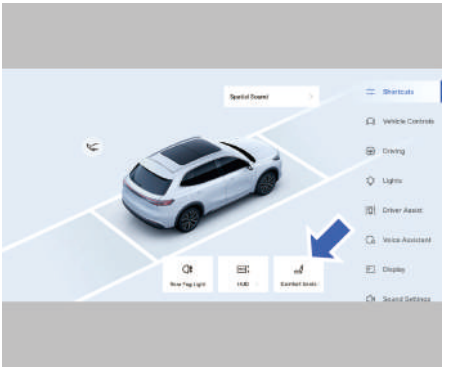
Do not place any object under the power seat or obstruct the movement of the seat. Otherwise, the seat adjustment motor may be damaged. ◄



1. Move the switch forward or backward to adjust the angle of the seatback.
2. Move the rear end of the switch up or down to adjust the height of the seat cushion.
3. Move the switch forward or backward to adjust the front and rear positions of the seat.



Click the following on the multimedia display in sequence:
Vehicle Settings → **Vehicle Control** → **Seat Adjustment**, to adjust the driver seat in the seat adjustment interface.

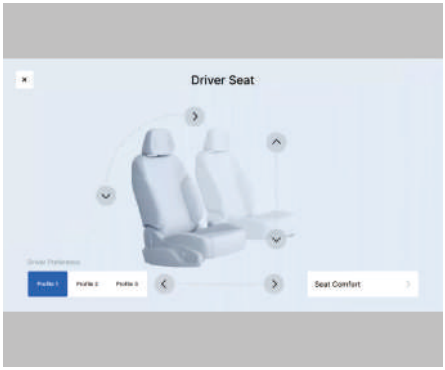


You can also click the following on the multimedia display in sequence:
Vehicle Settings → **Shortcuts** → **Comfort Seats**, to adjust the driver seat.

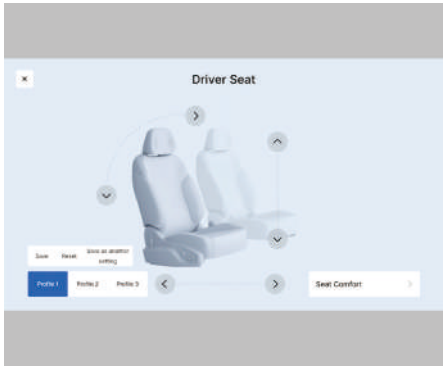
Manual Adjustment Seat

1. Seatback angle adjustment lever
   Lift the seatback angle adjusting handle to unlock the seatback. Gently press backward or slowly leave the seatback to rotate it backward or forward to the required position. Release the adjustment lever to lock the seatback.
2. Seat height adjustment lever
   Lift the seat height adjustment lever upward or press it downward to raise or lower the seat height. Once the seat is adjusted to the desired height, release the adjustment lever.
3. Seat forward and backward adjustment lever
   Hold the middle of the forward and backward adjustment lever and then pull it upward. Lean lightly against the seat and slide the seat to the desired position. Release the adjustment lever until the seat rail clicks and the seat is locked.

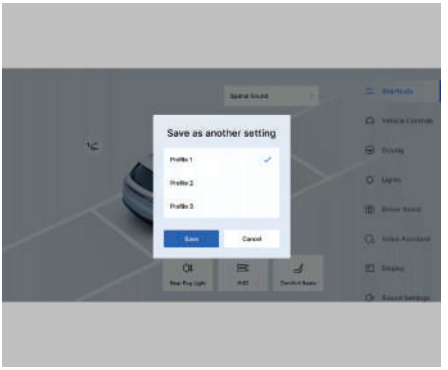
Driver Seat Memory Function*



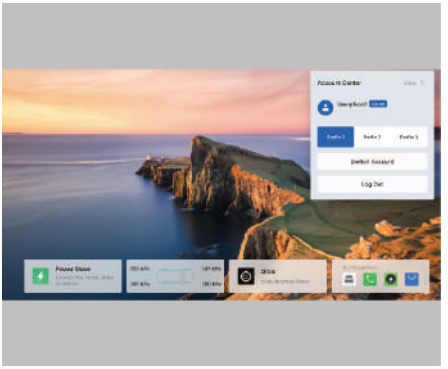
1. Click the following on the multimedia display in sequence:
   Vehicle Settings→ **Vehicle Control** → **Seat Adjustment**, to enter the seat adjustment interface;
2. Adjust the seat forward or backward, as well as the seatback height and seat cushion height, to achieve a comfortable driving position;



3. Click the **Save** button to store the adjusted seat memory position.
   Click the **Reset** button to restore the seat to its original memory position.



4. Click **Save** at Save as another setting interface to store up to three driver preference profiles.



5. Click the account centre app icon in the status bar of the multimedia display to switch driver preferences.

- When the front seat is manually adjusted using the seat's physical buttons, the multimedia display will automatically display the seat memory storage interface.
- If the seat memory is not saved or restored, the currently adjusted seat position is retained but not stored in memory. ◄

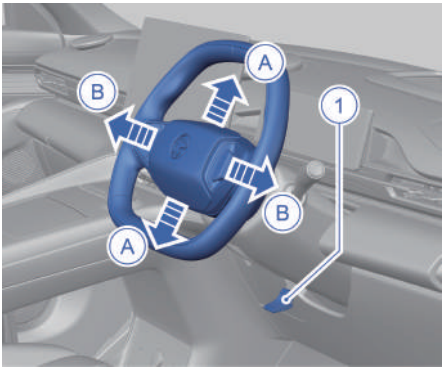
Horn

Press the horn pad area (as shown in the illustration) on the steering wheel and the horn will beep.

Steering Wheel Adjustment

Do not adjust the position of the steering wheel while driving. Otherwise, personal injury and property damage may be caused. ◄

After adjusting the steering wheel position, ensure that the steering wheel is securely locked. Failure to do so may result in personal injury, death, or property damage. ◄



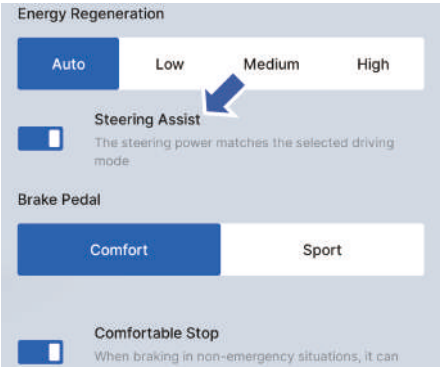
1. Steering wheel locking lever

Follow these steps to adjust the steering wheel to a suitable position:

1. Adjust the driver seat to a proper driving position.
2. Turn the steering wheel to the straight-ahead driving position.
3. Fully release the steering wheel locking lever.
4. Use both hands to hold firmly the steering wheel and adjust it back/forth (-directions B), up/down (directions A) to the optimal position.
5. Fold the steering wheel locking lever fully to lock steering wheel in the current position.

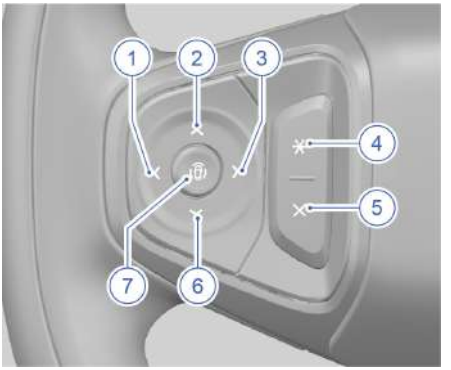
Setting of Steering Wheel Turning Force

The driver should choose an appropriate steering force according to driving skill and road conditions.◀

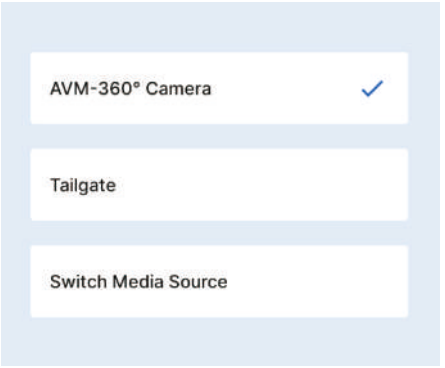


When the vehicle power supply is in ON gear or the vehicle is started, click the following on the multimedia display in sequence: Vehicle Settings → Driving → Steering Power Assist, and then select the required steering force under this interface. In addition, the steering force linked drive mode function can also be turned on in the Steering Force Settings interface. After the function is turned on, the steering force of the steering wheel will match the selected drive mode.

Steering Wheel Buttons

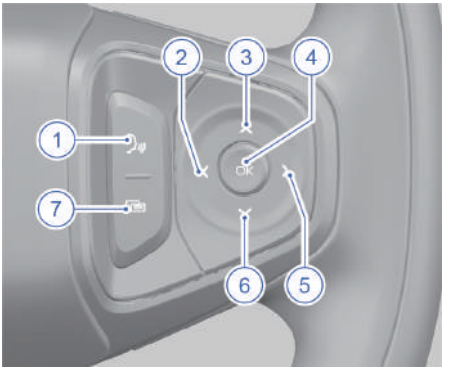


1. Headway decrease button:
   Short press to reduce cruise headway (in ICC or ACC only).
2. Speed adjustment and cruise resume button:
   - Short press: the cruise speed increases by 5 km/h.
   - Long press: the cruise speed increases by 1 km/h continuously.
   - Press this button to resume confirmation (only available when the Intelligent Cruise Control (ICC)/ Adaptive Cruise Control (ACC) function is enabling).
3. Headway increase button:
   Short press to increase cruise headway (in ICC or ACC only).
4. Custom function button:
   The function opened by pressing this button depends on the settings in the multimedia display.



Click the following on the multimedia display in sequence: Vehicle Settings → Vehicle Control → Steering Wheel Button Customisation, and then select the functions associated with the button customisation according to your needs.

5. Cancel button: Cancel the related functions of Intelligent Cruise Control (ICC)/Adaptive Cruise Control (ACC).
6. Speed adjustment button:
   - Short press: the cruise speed decreases by 5 km/h.
   - Long press: the cruise speed decreases by 1 km/h continuously.
7. Cruise control button: Press this button to activate cruise (available when the Intelligent Cruise Control (ICC)/Adaptive Cruise Control (ACC) function is enabling).



1. Voice button: Short press this button to turn on the voice recognition function.
2. Left button: When the instrument cluster menu is closed, short press the left button to switch to the previous song or channel. Short press the left button to hang up phone calls.
3. Up button: When the instrument cluster menu is opened, short press the up button to select the previous item in the instrument cluster menu. When the combination instrument menu is closed, short press the up button to increase the volume of the multimedia or Bluetooth phone audio source, press the up button to unmute.
4. OK button: Press this button to select the current menu, block common alarm message pop-up window or pause the playback of multimedia audio source. When the ordinary alarm message pop-up window opens, press the OK button and the ordinary alarm message pop-up window disappears before using the right direction button of the steering wheel.
5. Right button: When the instrument cluster menu is closed, short press the

right button to switch to the next song or channel. Short press the right button to answer phone calls, and short press the button during the call to turn off the microphone.

6. Down button: When the instrument cluster menu is opened, short press the down button to select the next item in the instrument cluster menu. When the instrument cluster menu is closed, short press the down button to decrease the volume of the multimedia or Bluetooth phone audio source. Press and hold the down button to mute.
7. Menu button: Short press this button to turn on or off the instrument cluster menu. When the instrument cluster menu is opened, the control of the steering wheel selection button is in the instrument cluster. When the instrument cluster menu is closed, the control of the steering wheel selection button is in multimedia.

AVN restart combination button: Open the driver door, press and hold the voice button and OK button for more than 15 seconds at the same time to restart the multimedia. Due to driving safety, it can only be operated when the vehicle is in P gear and the vehicle is in the non-READY state. ◄

Adjustment of Exterior Rearview Mirrors

- It is strictly forbidden to adjust the exterior rearview mirrors while the vehicle is moving; otherwise, personal injury and property damage may result.
- Make sure to unfold exterior rearview mirrors and adjust them properly before driving.
- Do not touch the exterior mirrors when adjusting them to avoid personal injury. ◄

If the exterior rearview mirrors are frozen, do not operate the exterior rearview mirror adjustment switch or use sharp tools to remove the frost/ice, as this may damage the exterior rearview mirror glass. It is recommended to use the vehicle's equipped exterior rearview mirror heating function to melt the frost/ice. After the frost/ice has completely melted, adjust the exterior rearview mirrors. ◄

Adjustment of Exterior Rearview Mirrors

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

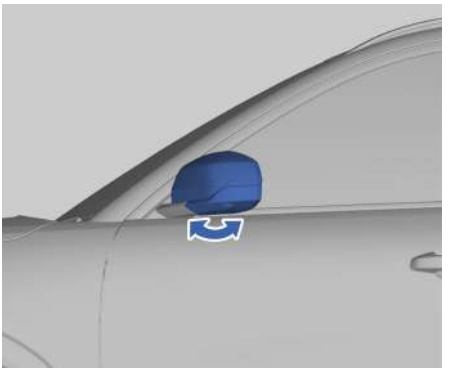
1. When the vehicle is powered on, press the mark L or R on the exterior rearview mirror adjustment switch to select the corresponding left and right exterior rearview mirrors;
2. Toggle the exterior rearview mirror adjustment switch back/forth, left/right to adjust the angle of exterior rearview mirror glass;
3. After the adjustment, press the exterior rearview mirror selection button again, the button indicator light goes out, and the selected state is exited.

Electrical Heating and Defrosting of Exterior Rearview Mirrors

Click the A/C interface on the multimedia display, and after clicking the exterior rearview mirror/rear windshield defrosting/ defogging button in this interface, the button lights up, the exterior rearview mirror heating is turned on, and it will automatically turn off after working for a period of time.

Folding/Unfolding of Exterior Rearview Mirrors

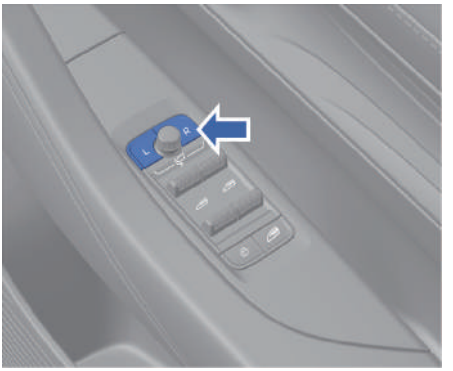
Manual-folding Exterior Rearview Mirrors



Manually push the exterior rearview mirror inward to fold it.

Manually push it outward to unfold it.

Power-folding Exterior Rearview Mirrors*



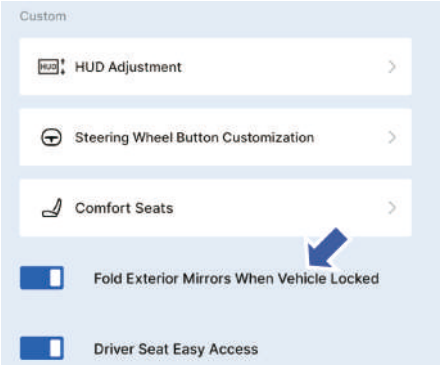
Press the L and R exterior rearview mirror select buttons simultaneously and the exterior rearview mirrors will fold automatically. Press again and exterior rearview mirrors unfold automatically.

Frequent folding and unfolding of the exterior rear-view mirror will result in temporary failure of the electric folding function.◀

Auto Unfolding of Exterior Rearview Mirrors*

When the exterior rearview mirrors are folded, if the vehicle speed is greater than or equal to 30 km/h, exterior rearview mirrors will automatically unfold.

Fold Mirrors When Doors Are Locked*



Click the following on the multimedia display in sequence: Vehicle Settings → Vehicle Control → Fold Exterior Rearview Mirrors When Doors Are Locked, and then enable or disable the Fold Mirrors When Doors Are Locked function in this interface.

When the exterior rearview mirror adjustment switch is in the non-folding position and the exterior rearview mirror is in the unfolded state, the exterior rearview mirror will automatically fold after the vehicle is locked.

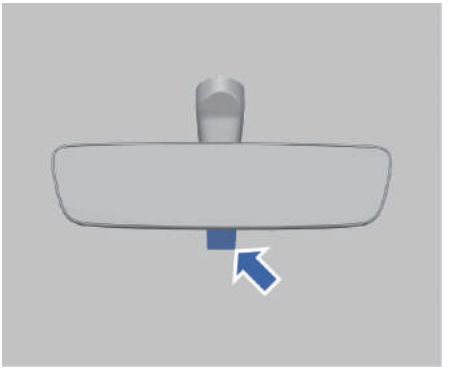
Adjustment of Interior Rearview Mirror

Adjustment of Interior Rearview Mirror

The interior rearview mirror can be adjusted to required position by turning it.

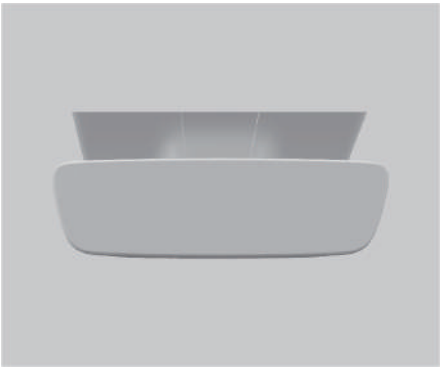
Do not adjust the interior rearview mirror while the vehicle is running. Otherwise, severe personal injury or death or property loss may occur.◀

Mechanical Dimming Interior Rearview Mirror



Pull the bottom handle of the interior rearview mirror to change the angle of view to realize the dimming function; push the handle back to return the interior rearview mirror to the normal position, and disable the dimming function.

Electronic Dimming Interior Rearview Mirror*



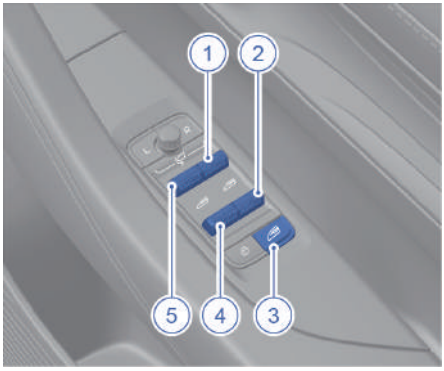
After the vehicle is started, the interior rearview mirror uses a light sensor to detect the intensity of incoming light, activating the electronic anti-glare function. Once this function is engaged, the mirror automatically reduces glare based on the light entering from the rear. The electronic anti-glare feature deactivates when the vehicle is turned off or when the gear shift lever is moved to the R gear.

- The electronic dimming function of interior rearview mirror works only when the incident light at interior rearview mirror is not affected by other objects.
- It is forbidden to paste stickers or install a dashboard camera in front of the interior rearview mirror, so as not to affect its function. ◀

The electronic glare-free interior rearview mirror is equipped with sensors. Do not hang anything on the interior rearview mirror or use glass detergent. Otherwise, the electronic glare-free interior rearview mirror may not work properly. ◀

Opening/Closing of Windows

- It is strictly forbidden to leave children, incapacitated adults or pets in the locked vehicle with windows closed. They may cause personal injury or death due to the high interior temperature.
- Do not try to test the anti-pinch function with your body, otherwise it will cause personal injury or death.
- When the window is about to close completely, the anti-pinch function may not work.◀



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

Manual Operation

Open: Push forward and hold the window switch to open the window.
Close: Push backward and hold the window switch to close the window.

Automatic Operation

Push forward or backward the window switch to the auto-down position, then release the switch, the window will open automatically or close. During the automatic opening or closing process of the window:
If the window switch is pushed forward or backward, the window will stop opening or closing.

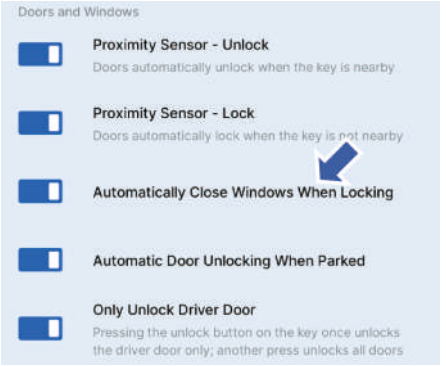
Remote Opening/Closing of Windows

When the start switch is switched to ACC position and the charging port cover, boot, bonnet and four doors are closed, long press the unlock button on the smart key to open the four windows at the same time; long press the locking/car search button on the smart key to close the four windows at the same time.

Window Locking Switch

Press the switch to start the locking function, the window locking switch indicator is on, and rear window opening/closing is disabled, and the rear window can still be controlled by using the driver window switch at this time.
When the window lock switch is pressed again, the indicator light turns off and the locking function is deactivated.

Auto Close Windows after Locking



Click the following on the multimedia display in sequence: Vehicle Settings → Vehicle Control → Doors and Windows, and press to enable or disable the Window Closure upon Vehicle Lock. When shortly pressing the locking button/car search button on the smart key, the four windows will be closed at the same time.

Thermal Protection of Power Windows

If the window is operated repeatedly in a short period of time, the power window thermal protection may be triggered, causing the power window control switch to be temporarily ineffective. After a short wait, the power window operation will return to normal.

The automatic recovery waiting time is long. If you need to operate the window immediately, you can operate the power window again after the vehicle is powered off and restarted.◄

Anti-pinch Function

During the automatic closing operation of power window, if an object is caught between the glass and the window frame, the window closing operation will automatically stop and return to the initial state. If the window is hit hard, there is a chance that this feature will be triggered even if no object is caught. If the anti-pinch function of the power window does not work properly, it is necessary to perform power window self-learning.

Anti-pinch Power Window Self-learning

If the low-voltage battery of the vehicle is reconnected after power failure or does not work normally, it is necessary to perform self-learning by the power windows with anti-pinch function again.

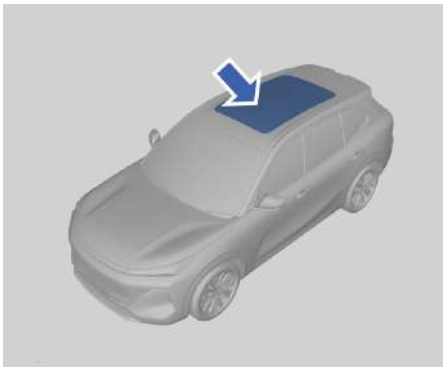
The low-voltage battery needs to be replaced or recharged prior to self-learning.◄

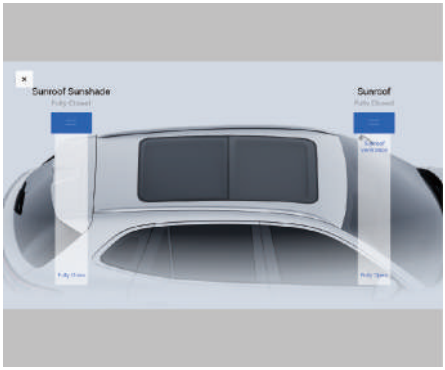
The self-learning steps are as follows:

1. Push the window switch backward to the manual up position until the window glass has fully risen to the top position, then push the window switch backward again and hold it for more than 3 seconds before releasing it;
2. Push the window switch forward to the manual down position until the window glass fully lowers to the bottom position, then push the window switch forward again and hold it for more than 3 seconds before releasing it;
3. Push the window switch backwards until the glass is fully raised to the top position;

4. Complete the rise and fall of other glasses again to complete self-learning.
5. If the power window does not work properly after the above operations are finished, contact an authorised PROTON e.MAS service outlet.

Panoramic Sunroof*





Access the sunroof/sunshade adjustment interface by swiping down from the multimedia top of the screen and then clicking the sunroof sunshade button.

You can also click the multimedia display: Vehicle Settings → Shortcuts Control, click the sunroof icon to enter the sunroof/ sunshade adjustment interface.

The following items shall be observed to avoid severe personal injuries:

- When the vehicle is running, the bodies of all passengers are not allowed to be in the opening of the sunroof.
- Do not put your head or any other part of your body out of sunroof.

- Do not leave children alone inside the vehicle to avoid misoperation.
- Do not sit around the opening of sunroof. ◀

If children have any accident related to sunroof in vehicle, the guardian shall be responsible. ◀

- When there is ice on the sunroof, do not open it to avoid damage to the sunroof parts due to large load.
- If excessive dust or foreign matters are on the glass seal and guide rail of sunroof, please clean it up in time. Otherwise, abnormal noise or malfunction of sunroof may occur during use. ◀

Sunroof Operating Conditions

The sunroof can only be operated when the vehicle power supply is in ACC or ON mode.

Temperature requirement

- When the temperature is between -30 and 85 degrees Celsius: the sunroof and sunroof sunshade are fully functional, can be operated normally, and respond to smart keys and voice commands.
- When the temperature is lower than -30 degrees Celsius: the sunroof will open or close slowly due to freezing. It is not recommended to operate the sunroof to avoid functional abnormalities caused by damage to the mechanical structure of the sunroof.

The sunroof switch can still be operated within 2 minutes after the vehicle is powered off. ◀

Sunroof Opening/Closing

The sunroof switch is located on the lighting control panel on the front interior roof.

Automatic sunroof operation

If the sunroof sunshade is not fully closed, pushing the sunroof switch backward to the 1st gear or limit position to open the sunroof sunshade first.

After the sunroof sunshade is fully opened, push the sunroof switch backward to the limit position and release it, and the sunroof glass will automatically move to the maximum open position.

Push the sunroof switch forward to the extreme position and release it, and the sunroof glass will automatically move to the fully closed position. Push the sunroof switch forward to the extreme position and release it again, and the sunroof sunshade will close completely.

During the automatic operation of the sunroof glass, if the switch is operated in the opposite direction of the operation, the sunroof glass will stop operating.

Rapid sunroof operation

If the sunroof glass and sunroof sunshade are fully closed, push the sunroof switch

backward to the limit position twice in a row and release it, and the sunroof glass and sunroof sunshade will automatically open at the same time.

If the sunroof glass and sunroof sunshade are fully open, push the sunroof switch forward to the limit position twice in a row and release it, and the sunroof glass and sunroof sunshade will automatically close at the same time.

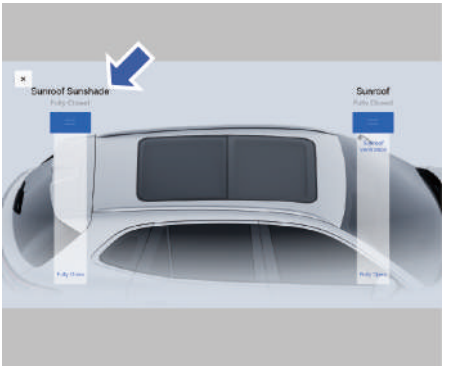
During the rapid operation of the sunroof glass, press the switch again, and the sunroof glass will stop operating.

Manual sunroof operation

When the sunroof sunshade is fully opened, push the sunroof switch backward to the 1st gear position, the sunroof glass will open manually, and the sunroof glass will stop after releasing the sunroof switch.

Push the sunroof switch forward to the 1st gear position, the sunroof glass will close manually, and the sunroof glass will stop after releasing the sunroof switch.

When the sunroof is fully closed, push the sunroof switch forward to the 1st gear position, the sunroof sunshade will close manually, and the sunroof sunshade will stop after releasing the sunroof switch.



Pull down the multimedia negative screen, tap the Sunroof Sunshade button to enter the Sunroof/Sunshade Adjustment Interface. You can fully open or fully close the sunroof/sunshade in this interface. Adjust the corresponding slider as needed, and the sunroof/sunshade will stay in the desired position.

- Animated examples do not represent actual openings.
- Do not squeeze the sunshade forcefully, as it may be damaged or fall off.
- When parking the vehicle for a long time, it is recommended to close the sunshade. It is best to park the vehicle in the garage to prevent the temperature in vehicle from rising due to long-term exposure to the sun and damaging the interior.◀

Tilt Opening/Closing

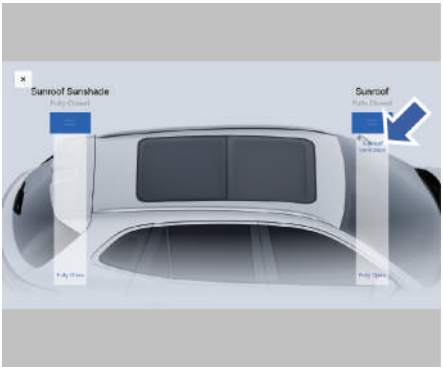
Flying up opening

Press the sunroof switch upward to the end position, and the sunroof flying up opening

Flying up closing

If the sunroof is in the flying up opening position, push the sunroof switch downward to the end position, and the sunroof will close.

During the flying up opening operation of the sunroof glass, the sunroof glass cannot be paused by the sunroof switch, and the sunroof glass will automatically move to the fully tilted or fully closed position.



Access the sunroof/sunshade adjustment interface, where the sunroof/sunshade can be fully opened or fully closed by swiping down from the top of the multimedia screen and then clicking the sunroof sunshade button. Click Vent button in this interface, and the sunroof will tilt up to open the gap. Click the fully closed button when the sunroof lifts, and the sunroof will close.

Remote Sunroof Closing

When the vehicle power is switched to OFF position and the fuel filler cap, boot, bonnet and four doors are closed, press and hold the locking button on the smart key, the sunroof will be closed fully.

Sunroof Comfort Position

When the sunroof glass is about 70% of the full opening stroke, the wind noise of the vehicle is minimal when the vehicle is driving at high speed.

When the vehicle speed is greater than 5 km/h, the sunroof will first move to the comfort position when opened by manual/ automatic operation; the sunroof glass can only move to the fully open position when opened by manual/automatic operation again.

Ice-breaking Function

Ice-breaking function is in progress. Operate with caution to avoid pinch injuries.

After the anti-pinch function is triggered once by the sunroof glass/sunshade, the ice-breaking function will be activated, and anti-pinch will no longer be supported when running the sunroof glass/sunshade in the same direction again. After the ice-breaking function is activated, press and hold the sunroof/sunshade switch on the multimedia

display to run it manually, and the automatic operation command of the switch will also be regarded as a manual operation command.

When the following events occur, the ice-breaking function will be disabled and the anti-pinch function will be reactivated:

- 10 seconds after the operation of the anti-pinch function is finished.
- After the next operation stops.
- Operate the switch in the opposite direction.
- Operating through remote control.◀

Safety Anti-pinch Protection

Tilting and anti-pinching

- When the sunroof glass is tilting, if it encounters obstacles, the sunroof glass will be returned to the closed position.
- When the sunroof glass is closing in the lifting position, if an obstacle is encountered, the lifting action stops.

Sunroof glass and sunroof shade anti-pinch

- If the sunroof glass or sunroof shade encounters an obstacle when it is opened in the sliding mode, it will be returned by 50mm or fully close.
- If the sunroof glass or sunroof shade encounters an obstacle when it is opened in the sliding mode, it will be returned by 200mm or return to the fully open position.

If the sunroof fails to close or open due to the anti-pinch function during operation, press and hold the close or open button within 10 seconds after the anti-pinch function retracts and stops. At this time, the anti-pinch function and automatic operation function will be suspended, allowing manual closing or opening of the sunroof or sunshade. When the button is released, the sunroof or sunshade will stop operating. After 10 seconds, the anti-pinch function and automatic operation function will return to normal.◀

Sunroof Self-learning

If the low-voltage battery of vehicle is charged, disconnected or does not work properly, the adaptive-learning of sunroof which has anti-pinch function is required to enable the automatic operation and anti-pinch function.

The self-learning steps of sunroof soft switch are as follows:

1. Move the sunroof and sunshade to closing point;
2. Click the full close button and hold it. The sunroof will move in the closed direction after 10s, and after the sunroof moves to the mechanical hard stop centre, it will retract a certain distance to stop at the fully closed point. The sunshade moves in the closing direction, and the sunshade moves to the mechanical hard stop position and then retracts a certain distance to stop at the fully closed point. Keep the switch unmoved. The sunshade stops when it reaches the fully open position, the sunroof lifts and closes, and stops when it reaches the fully open position;
3. The sunroof stops when it reaches the fully closed position, the sunshade stops when it reaches the fully closed position, and the initialisation learning

movement is completed after releasing the switch.

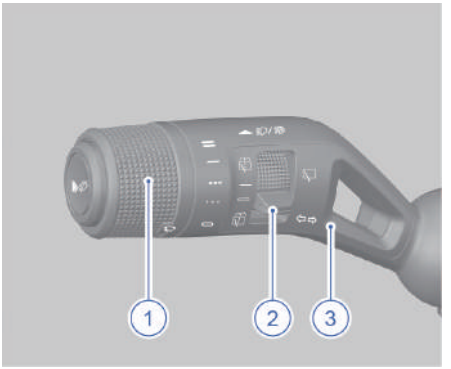
The self-learning steps of the sunroof switch are as follows:

1. Push the sunroof switch forward to the first gear position (do not let go during this period, and do not push the sunroof switch to the limit position).
2. At this time, the operating logic of the sunroof self-learning is: the sunroof glass and sunroof sunshade will run to fully closed → fully open → fully closed.
3. When the sunroof glass and sunroof sunshade run to fully closed for the second time without any subsequent operation, the sunroof self-learning is completed.

During the self-learning process of the sunroof module, the sunroof switch button must be continuously pressed. If the sunroof switch button is released during the self-learning process, the self-learning will fail.◀

Using Wipers

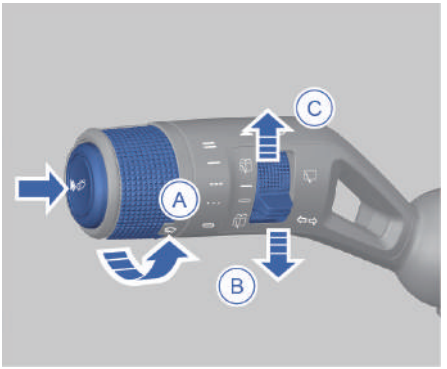
Wiper combination switch



1. Front wiper control switch
2. Rear wiper control switch
3. Light/wiper control handle

- Do not use the wipers when the windshield is dry to avoid scratching the windshield or affecting the service life of the wiper blades.
- If there is dust or sandstone on the front windshield, use wipers after cleaning the dirt at first; otherwise, the wipers will scratch the front windshield and affect service life of glass.◀

Operations of Wiper Combination Switch



Turn off front wipers

Turn the adjustment knob to ⊂ Turn the control knob to the position to turn off the wipers.

Automatic wiping of front wipers

Turn the adjustment knob in direction A to ··· or ··· Turn the control knob to the or position in the A direction to activate automatic wiping. ··· than ··· The sensitivity of is higher than that of . At this time, the wiper control system automatically adjusts the wiping speed according to the amount of rain.

LO operation of front wipers

Turn the adjustment knob in direction A to low speed gear — location, the front wiper perform slow speed wiping operation.

HI operation of front wipers

Turn the adjustment knob in direction A to high speed gear ═ Turn the control knob to position in the A direction, the wiper performs high speed wiping operation.

MIST operation of front wipers

Press the button at the end of the light/wiper control handle (1st gear), the button will automatically return to its original position after releasing, and the wiper will perform MIST operation.

Front windshield washing

Press the button at the end of the light/wiper control handle (2nd gear), and the front windshield washer sprays water while the wiper wipes; after releasing the button at the end of the light/wiper control handle, the washer stops spraying water, the wiper resets after wiping a few more times, and the front wiper operates in sequence then it closes.

Rear wiper wiping

After pushing the rear wiper control switch in the C direction to point to — location, rear wiper will wipe continuously; After pushing the rear wiper control switch in the direction B to point to ⊂ location, the rear wiper will stop wiping.

Rear windshield washing

Push the rear wiper control switch in B or C direction to Push the rear wiper control switch in the B or C direction to the position and hold it, and the wipers wipe while the rear windshield washer sprays water. After releasing the rear wiper control switch, the washer stops spraying and the wipers return or wipe continuously after several cycles.

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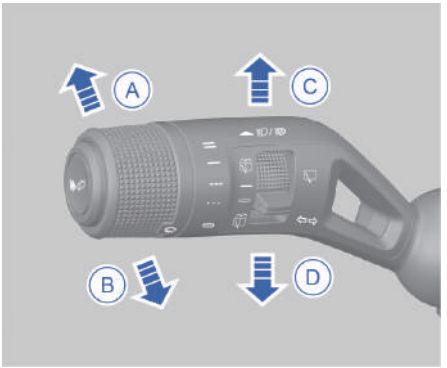
Lighting Combination Switch

Operations of Lighting Combination Switch



Switching Between High and Low Beams

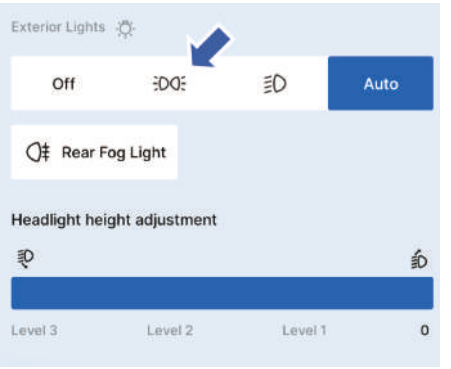
With the low beam on, push the light/wiper control lever in direction A to turn on the high beam. Push the lever in direction B to turn off the high beam.

When the intelligent high beam control system is activated, push the lever to the fully pushed position in direction B to turn off the high beam.

Flashing the High Beam

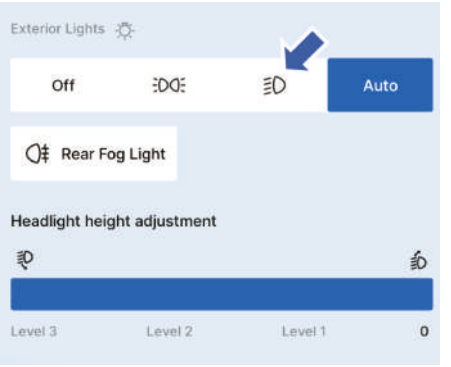
Push the light/wiper control lever in direction B to either position to flash the high beam. The high beam flash turns off automatically when the lever is released. Repeating this operation will flash the high beam again.

Position Light



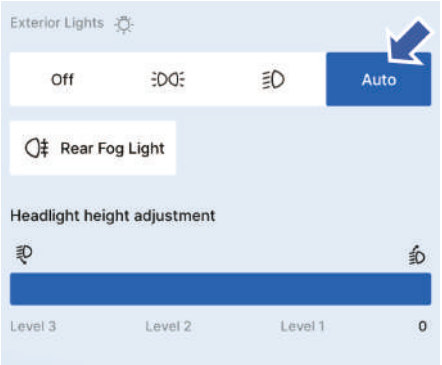
On the multimedia display, navigate in sequence: Vehicle Settings → Lights → Exterior Lights, then enable or disable the position light.

Low Beam



On the multimedia display, navigate in sequence: Vehicle Settings → Lights → Exterior Lighting, then enable or disable the low beam.

Automatic Lighting



On the multimedia display, navigate in sequence: Vehicle Settings → Lights → Exterior Lights, then select Auto to turn on the automatic headlight function.

The system will automatically turn the headlights on or off based on external light intensity, controlling both the position light and low beam automatically.

In automatic mode, manually operating the lights lever will override automatic headlight control.◀

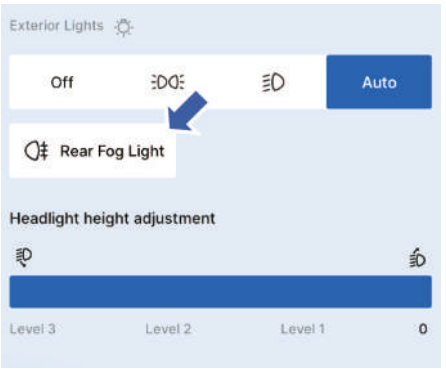
Turn Signal

Push the light/wiper control lever fully in direction C or D to activate the right or left turn signal. The lever will automatically return to its original position. The turn signal will turn off automatically after completing the turn.

Using the Lane Changing Light

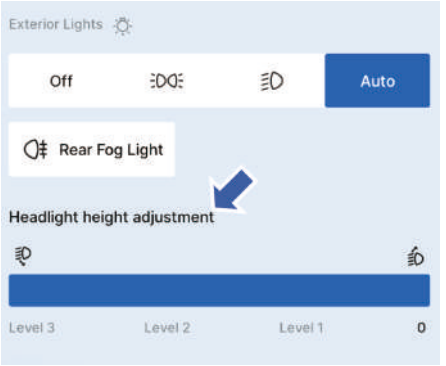
Push the light/wiper control lever briefly to the middle position in direction C or D. The lever will return automatically after release, and the right or left turn signals will flash three times before turning off.

Rear Fog Light



- On the multimedia display, navigate in sequence: Vehicle Settings → Lights → Exterior Lights, then select the option to turn on the rear fog light while the low beam is on.
- You can also use the multimedia display to turn on the rear fog lights by navigating: Vehicle Settings → Shortcuts → Rear Fog Light.

Headlight Levelling



Adjust the headlight beam height according to the number of passengers and the vehicle load. On the multimedia display, navigate in sequence: Vehicle Settings → Vehicle Control → Low Beam Height, then set the appropriate headlight beam level.

Daytime Running Light

After the vehicle is started, the daytime running lights (DRL) turn on automatically during the daytime when the low beam is off.

When the low beam is turned on, the DRL turns off automatically.

For daytime running lights (DRL) integrated in the headlight, when a turn signal is activated, the DRL on the corresponding side will turn off temporarily. ◄

Follow Me Home

At night, after the vehicle is powered off and the anti-theft system is disarmed, if the Follow Me Home function is activated in the multimedia display, the exterior lights will turn on automatically for the selected duration. This provides illumination around the vehicle while minimizing battery consumption.

Turning On Follow-Me-Home

On the multimedia display, navigate in sequence: Vehicle Settings → Lighting → Follow Me Home. In the Follow Me Home settings interface, select a timer duration and turn on the Follow Me Home function.

Turning Off Follow Me Home

On the multimedia display, navigate in sequence: Vehicle Settings → Lights → Follow Me Home. In the Follow Me Home settings interface, select Off to turn off the Follow Me Home function.

Follow Me Home will turn off temporarily under any of the following conditions:

- The vehicle power supply is not turned off.
- The selected timer duration has expired.

Setting Follow Me Home Duration

On the multimedia display, navigate in sequence: Vehicle Settings → Lights → Follow Me Home, and select the desired timer duration in the settings interface.

When Follow Me Home is activated, the lights remain on for the preselected duration. If any door (including the trunk) is opened before the timer expires and then all doors are closed, the timer will reset to the preselected duration.

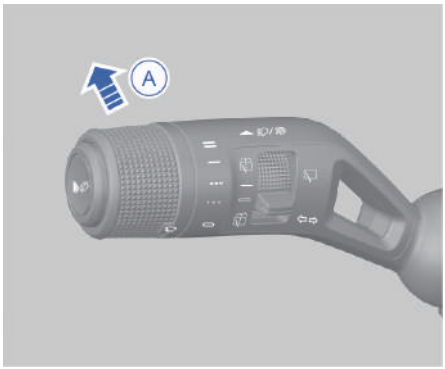
Intelligent High Beam Control (IHBC)

The Intelligent High Beam Control (IHBC) automatically switches between high and low beams at night. The system uses the front camera to detect light sources and adjusts the headlights according to oncoming vehicles, vehicles ahead, and ambient light.

When the headlights of an oncoming vehicle, the taillights of a preceding vehicle, or other light sources are detected, the system automatically switches from high beam to low beam. This helps prevent glare and ensures the safety of other road users.

After passing an oncoming vehicle, overtaking, or when no significant light sources are detected around the vehicle, the system automatically switches from low beam back to high beam.

Enabling and Activating IHBC



When the headlight control is set to AUTO in the multimedia display, push the light/wiper control lever in direction A. Pushing it once turns on the high beam; pushing it a second time activates the Intelligent High Beam Control (IHBC).

At night, after the front combination lights turn on automatically, the IHBC is activated automatically.

After the IHBC system is activated, turn on the high beam only under the following conditions:

- Vehicle speed is 40 km/h or higher.
- No oncoming or preceding vehicles, or other light sources, are detected.

The IHBC system will recommend switching to the low beam if any of the following conditions occur:

- Vehicle speed is 20 km/h or lower.
- Oncoming or preceding vehicles, or other light sources, are detected.

After the IHBC system recommends turning on the high beam, it will maintain high beams when the vehicle speed remains between 20 and 40 km/h. The system will then recommend switching to low beams if it detects light sources ahead.◀

IHBC Status Display

When the Intelligent High Beam Control (-IHBC) system is actively controlling the vehicle's high and low beams, the IHBC indicator lights up in white. If the IHBC system fails, the IHBC fault warning light illuminates in yellow.

When the driver uses the light/wiper control lever to select the high beam, the driver's choice takes priority over the IHBC system.◀

The Intelligent High Beam Control (-IHBC) system is an auxiliary lighting function. It is recommended for use on highways, but it does not replace the driver. The driver must always operate the high and low beams in accordance with traffic laws, regulations, and changing road conditions.◀

In the following situations, the Intelligent High Beam Control (IHBC) system may not operate or may function only partially, requiring the driver's attention:

- Under severe weather conditions such as rainstorms, heavy snow, or dense fog, which reduce visibility.
- When traffic participants (such as pedestrians or cyclists) have poor visibility, or when there are nearby railway or waterway crossings, or animals on the road.
- In environments with strong reflective surfaces, such as highway traffic signs.
- When the front windshield is obscured by fog, dirt, or covered by labels or ornaments.

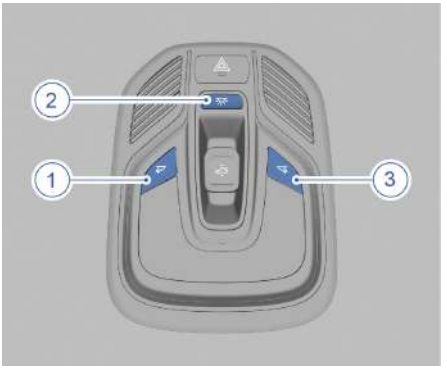
Interior Lighting

Front Interior Lights

Type I

Tap the front interior light to turn it on or off.

Type II



1. Left front interior light switch
2. Main interior light switch
3. Right front interior light switch

Press the left or right front interior light switch to turn on or off the corresponding front interior light individually. Press the main interior light switch to turn on or off both the front and rear interior lights simultaneously.

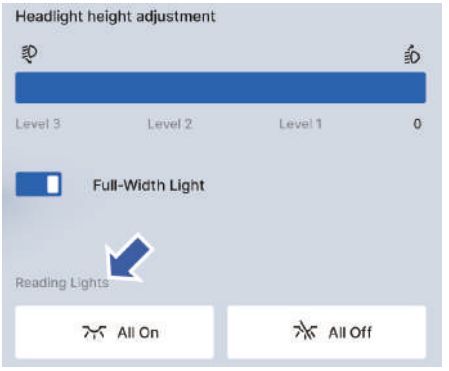
Avoid using the front interior light while driving at night. Bright light may affect the driver's vision and compromise safe driving, increasing the risk of traffic accidents. ◀

Rear Interior Lights

Press the left or right rear interior light switch to turn the corresponding rear light on or off.

Always turn off the rear interior light switch when exiting the vehicle to avoid discharging the low-voltage battery. ◀

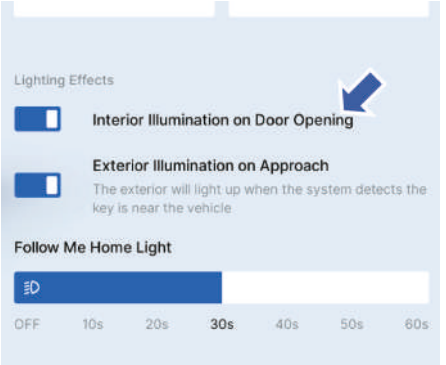
Interior Reading Light Settings



On the multimedia display, navigate in sequence: Vehicle Settings → Lights →

Reading Lights. In the interface, select All On or All Off to control all reading lights simultaneously.

Interior Lighting on Door Opening



After interior illumination on door opening function is enabled, the interior light will automatically turn on or off according to the door status.

The interior illumination on door opening function is turned on by default. If it is necessary to turn it off, click the following on the multimedia display in sequence: Vehicle Settings → Lights → Lighting Effects to disable the function for illuminating the Interior Illumination on Door Opening in the interface.

When the Interior Lighting on Door Opening function is enabled, the interior lights automatically turn on or off according to the door status.

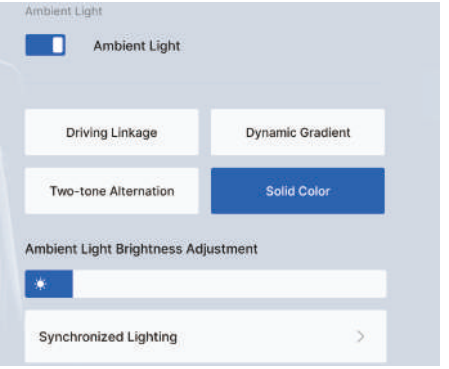
This function is turned on by default. To disable it, navigate on the multimedia display in sequence: Vehicle Settings → Lights → Lighting Effects, and turn off the Interior Lighting on Door Opening function in the interface.

When the Interior Light Door Control function turns on the left and right interior lights, each light can be turned off individually by pressing its corresponding interior light switch. ◀

Ambient Light*

Ambient lights are installed on the instrument panel and on the door trim panels for the driver and front passenger.

Ambient Light Settings

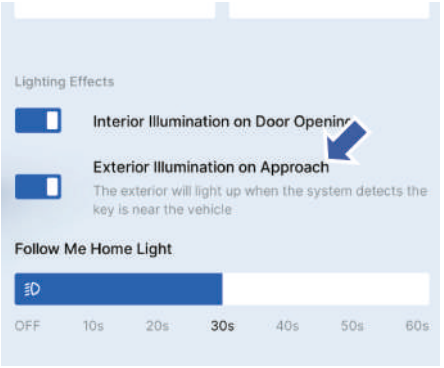


On the multimedia display, navigate in sequence: Vehicle Settings → Lights → Ambient Light, and adjust the ambient lighting in the interface.

The ambient light can also be adjusted by tapping the ambient light button at the top of the multimedia screen or by using the universal knob to select the desired ambient light mode.

Exterior Illumination

Exterior Illumination on Approach



On the multimedia display, navigate in sequence: Vehicle Settings → Lights → Lighting Effects, and enable or disable the Exterior Illumination on Approach function in the interface.

When this function is enabled, the low beam and position lights automatically turn on when you approach the vehicle with a valid intelligent key.

Hazard Warning Lights

Type I

Type II

In emergency situations where the vehicle needs to be slowed or stopped quickly, press the hazard warning light switch. The indicator on the switch will flash, along with the left and right turn signal indicators, to warn other road users.

Overview of Meter Instrument

1. **Clock**

   Displays the GPS time by default.

2. **Speedometer**

   Displays the current vehicle speed per hour.

3. **Navigation***

   Display area for navigation information when navigation is active.

4. **Information Menu**

   Display area for music information, average power consumption (APC), average fuel consumption (AFC), current mileage, and vehicle status.

   APC and AFC refers to the average power consumption and fuel consumption used to drive the vehicle for a certain mileage. Click the following on the multimedia display in sequence: **Energy Management → Mileage Statistics→ Energy Consumption Curve**.

   After the "***last 50km***" or the "***last 100km***" switch is selected, meter instrument will update and display the corresponding average power consumption and average fuel consumption.

   The power consumption and fuel consumption curves are calculated based on the vehicle's power and fuel consumption data over the most recent 10 km of driving.

5. **Outside Temperature**

   Displays the outside temperature. The temperature range is -40°C ~ 60°C.

6. **Driving Mode**

   Displays the current selected driving mode: Pure (EV) mode, Hybrid mode or Power mode

7. **Gear Display**

   Displays the current selected gear: R, N, D or P.

8. **Fuel Distance to Empty**

   Displays the approximate distance this vehicle can be driven with the remaining fuel in the fuel tank.

9. Power Battery Distance to Empty

Displays the approximate distance this vehicle can be driven with the remaining energy in the power battery.

10. **Energy Recovery Level**

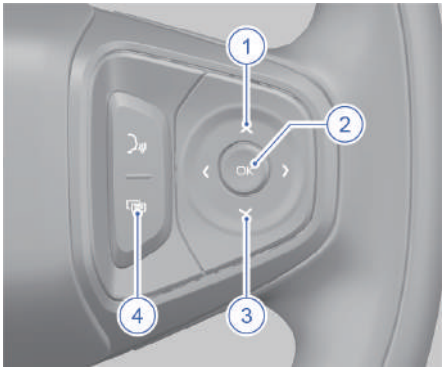
Displays how much energy is regenerated and stored in the power battery when the vehicle slows down, such as when lifting off the accelerator or applying regenerative braking.

- The meter instrument brightness and display mode can be set through the multimedia unit.
- Pictures in the interface of meter instrument are only for reference. All the pictures shall be subject to the actual devices on the vehicle. ◄

Display Settings

Do not adjust the meter instrument screen while driving. ◄

Multi-control Function Buttons on Steering Wheel



1. **Up Button**

When the mode is switched to the meter instrument control (meter instrument main menu is opened), push this button to select the previous option in the meter instrument menu.

2. **OK Button**

Press this button to hide ordinary alarm messages or to pause multimedia audio playback

3. **Down Button**

When the mode is switched to the meter instrument control (meter instrument main menu is opened), push this button to select the next option in the meter instrument menu.

4. **Menu Button**

Briefly press this button to open or close the main menu at meter instrument. When the main menu is opened, the multi-control function buttons will control the meter instrument display and setting. When the main menu is closed, the multi-control function buttons will control the multimedia display and setting.

Resetting Trip Information

In the trip information display (at information menu display area) such as subtotal mileage or current mileage interface, press and hold the OK button to reset the information of the corresponding meter instrument interface with trip information.

Warnings and Indicators

Introduction to Warnings and Indicators

Image	Name	Description
	Left turn signal indicator	Left turn signal is on
	Right turn signal indicator	Right turn signal is on
	Low beam lamp indicator	Low beam lamp is on
	Low beam lamp failure indicator	Low beam lamp has a failure
	High beam lamp indicator	High beam lamp is on
	High beam lamp failure indicator	High beam lamp has a failure
	Intelligent High Beam Control (IHBC) indicator	Automatic high beam control is on
		IHBC system has a failure
	Headlamp leveling failure warning	Headlamp leveling or height adjustment function for headlight has a failure
	Position lamp indicator	Position lamp is on
		Position lamp has a failure
	Rear fog lamp indicator	Rear fog lamp is on
	AUTO HOLD status indicator	Automatic vehicle hold (AVH) function is enabled (turn on)
	Electric Parking Brake (EPB) status indicator	EPB function is activated (indicator stay illuminate)
		EPB function is not activated successfully or has a failure (indicator is blinking)

Image	Name	Description
	Seat belt unfastened warning	The seat belt is not fastened or has failure
	Airbag failure warning	The airbag system has failure
	Charging cable connection indicator	The vehicle is connected to charging cable
	TPMS failure warning	Tyre pressure monitoring system has a failure, tyre pressure is abnormal, or learning is not performed
	Warning information indicator	A serious failure has occurred, which may affect the drivability of the vehicle
		There may one or more failure alarm message/notification, and the corresponding text message appears on the meter instrument display
	ACC status indicator (for ACC) Set cruise speed indicator (for ICC)	ACC / ICC enabled but not activated (in standby mode)
		ACC / ICC is activated and using the set cruise speed
		ACC / ICC is activated and using the set cruise speed but cannot automatically follow the vehicle ahead to start moving (stop and go mode has failure)
		ACC / ICC is activated and using the set cruise speed together with automatic speed limit control
		ACC / ICC is activated and using the set cruise speed together with automatic speed limit control but cannot automatically follow the vehicle ahead to start moving (stop and go mode has failure)
	ICC status indicator	ICC enabled but not activated (in standby mode)

Image	Name	Description
		ICC has a failure and being deactivated
		ICC is activated, cruising control and LKA are carried out at the same time
	LKA OFF indicator	Lane Keep Assist (LKA) system is turned off
	Lane Keep Assist (LKA) failure warning	Lane keep assist system has a failure
	Blind spot detection status indicator* (RSRS status indicator*)	Rear side mid-range radar is working
		Rear side mid-range radar is temporarily has a failure (indicator stay illuminate)
		Rear side mid-range radar calibration is not completed (indicator is blinking)
	Traffic Sign Recognition (TSR) failure warning	Traffic Sign Recognition system has a failure
	LDCA OFF indicator*	Living Detection Camera Assistant (LDCA) function is turned off
	Hill Decent Control (HDC) system status indicator	Hill Decent Control (HDC) system is activated
		Hill decent control system is enabled (on standby)
		Hill decent control system has a failure
	Electronic Stability Control System (ESC) status indicator	ESC system is has a failure (indicator stay illuminate)
		ESC system is activated (indicator is blinking)
	ESC OFF indicator	Electronic Stability Control System (ESC) system is turned off
	Anti-lock Braking System (ABS) failure warning	ABS system has a failure

Image	Name	Description
	Electric power steering (EPS) status indicator	Steering assist system performance is reduced or temporarily unavailable.
		Steering assist system has a failure
	Battery charging failure warning	Low voltage battery (12V) charging has a failure
	Power battery system failure warning	Power battery or high voltage battery system has a failure
	Power battery level status indicator	Power battery or high voltage battery level is low
		Power battery or high voltage battery level is normal
	Brake system failure warning	Brake system (electronic brake force distribution) has a failure
		Low brake fluid level, brake fluid level sensor fails or the brake system has a failure
	Brake lamp failure warning	Brake lamp has a failure
	AEB OFF Indicator	Autonomous emergency brake (AEB) in the Collision Mitigation Support Front (CMSF) system is turned off
	Autonomous emergency brake (AEB) failure warning	Collision mitigation support front system has a failure
	Insufficient brake assist warning	The brake assist force is insufficient, requiring the driver to intervene by pressing the brake pedal.
	Vehicle Sound for Pedestrian failure warning	Vehicle sound for pedestrian function has a failure
	Power limit warning	The vehicle has experienced certain specific failure, and vehicle power is being limited (limp home mode)
	Engine emission failure warning	Engine emission system has a failure

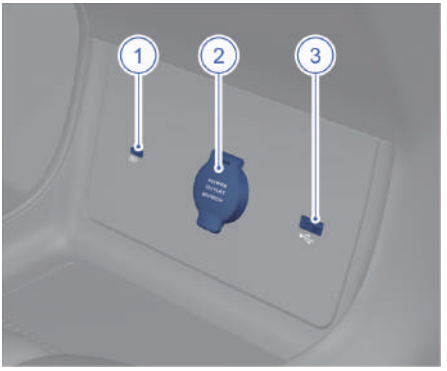
Image	Name	Description
	Engine system failure warning	Engine system has a failure
	Low oil pressure warning	Engine oil pressure is too low
	Powertrain system failure warning	Powertrain system in EV/PHEV has a failure
	High water temperature warning	Engine coolant temperature is too high
	Transmission system failure warning	Transmission performance is reduced or degraded
		Transmission system in EV/PHEV has a failure
	Fuel level status indicator	Fuel level in the fuel tank is too low
		Fuel level in the fuel tank is normal
	READY status indicator	The vehicle status is ready, the high voltage battery is successfully powered on, and the vehicle can be driven normally

When the ignition switch is set to ON position or the engine is started, some warning lamps will perform self-checking and stay illuminate for few seconds before they are turned off. If there is any fault causing warning lamps stay illuminate on or suddenly lit on during driving, pay attention to it and contact an authorised PROTON e. MAS service outlet for maintenance as soon as possible. Otherwise, severe casualty or property loss may occur. ◄

Black icons in the table are displayed as white or black in accordance to the background of the instrument meter display screen. ◄

Wired Charging

Front Charging Ports

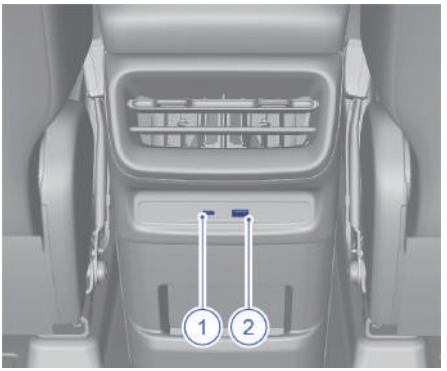


1. Type-C charging port
2. 12 V power socket
3. Multimedia USB port

The Type-C charging port is used to charge mobile devices, while the multimedia interface supports both data transmission and charging functions.

The 12 V power socket can be used to connect electrical devices with a maximum power of 120 W.

Rear Charging Ports



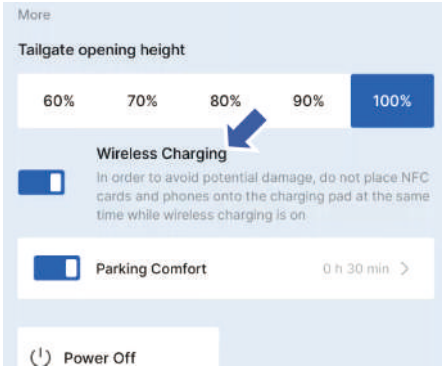
1. Type-C charging port
2. USB charging port

The Type-C and USB charging ports are used to charge mobile devices.

- Do not connect the 12 V power socket to high-power electrical appliances, as this may blow the vehicle fuse.
- Do not use the 12 V power socket in parallel or series with any other power supply.
- Do not modify or repair the vehicle power system without proper authorisation. ◀

Wireless Charging *

The wireless charging device for mobile phones is located on the centre console.



Click the following on the multimedia display in sequence: Vehicle Settings → Vehicle Control → More → Wireless Charging, then enable or disable the wireless charging function in this interface. The wireless charging function can also be turned on or off from the multimedia home screen.

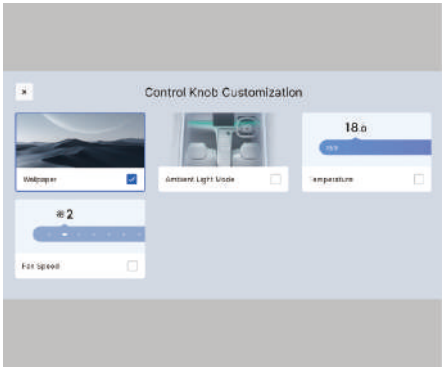
To use the wireless charging board, ensure that the coil in your mobile phone is aligned with the coil at the centre of the charging board. Since the coil position varies between mobile phones, it may be necessary to adjust the phone's placement for proper charging.

- he operating frequency of the wireless charging may affect users with implanted medical devices, such as pacemakers or cardioverter defibrillators. It is recommended to maintain a safe distance from the mobile phone while it is wirelessly charging.
- Do not place metal objects (such as coins or keys) or flammable/explosive materials in the charging area, as this may cause panel damage, personal burns, or fire. If a metal object becomes stuck, wait for it to cool down before removal.
- Do not place heavy objects in the wireless charging area to avoid damage.
- Avoid using excessively thick phone cases, cases with magnetic rings, or cases containing metal parts, as this may prevent charging or damage interior components. It is recommended to remove the phone case during charging.
- Do not place cards with chips (such as NFC cards, bank cards, or ID cards) together with mobile phones in the wireless charging area to prevent card damage or invalidation.
- Do not place Tag trackers or other electronic devices containing lithium batteries in the wireless charging area, as this may cause damage.
- Do not modify the wireless charging system, as this may damage the vehicle or cause an accident.

- Do not pour any liquid into the wireless charging area, as this may cause system failure.
- Do not allow foreign objects to block the wireless charging heat dissipation vent, as this may cause abnormal fan noise.
- When using the wireless charging area only as storage, turn off the wireless charging feature. Do not leave your phone charging in the vehicle when the driver leaves, to avoid safety hazards.
- Do not place the smart key on the wireless charging board; this may prevent the keyless start function from working properly while charging a phone.
- Wireless charging is only applicable to mobile phones certified with the “Qi” protocol. Non-certified phones may not charge properly.
- Do not use wireless charging with a wireless charging coil attached to a phone that does not support wireless charging. This may damage the device or phone.
- Place the phone properly in the wireless charging area, ensuring it covers the air outlet position.
- Only one phone can be charged in the wireless charging area at a time.
- To avoid draining the vehicle battery, use wireless charging while the vehicle is started. The function may briefly stop when starting the vehicle.
- Wireless charging may be interrupted when opening or closing doors, pressing the brake pedal, or moving away with the Bluetooth key. This is normal.
- On bumpy roads, the wireless charging function may intermittently stop or resume charging.
- To ensure compatibility with various phone brands and models, in-vehicle wireless charging may be slightly slower than the original charger. Some phones may briefly pause when switching from slow to fast charging. This does not affect subsequent charging. If fast charging does not activate, check that the phone’s charging software is updated.
- If the mobile phone does not charge normally, ensure that it is properly placed in the wireless charging area and that no foreign objects are present. Allow both the phone and the wireless charging area to cool down before trying again. If the issue persists, visit an authorised PROTON e.MAS service outlet for inspection.◀

Universal Control Knob

The control knob is set by default to adjust the volume corresponding to the active audio function.



Press and hold the control knob downward to enter the custom setting interface. Rotate the control knob to select a function, then short press it downward to confirm the selection.

Enter the control knob customization setting interface, where you can set the desktop theme, ambient light mode (if equipped) or adjust the temperature and air volume.

For optional functions, short press the control knob downward to trigger the set customization function. Then it can be selected by rotating the knob, and confirmed with a short press. Temperature and air flow can be adjusted by first pressing the control knob briefly downward to activate the function, then rotating the control knob to modify the parameters.

Press and hold the control knob downward to enter the custom settings interface. Rotate the knob to select a function, then press it briefly downward to confirm your selection.

In the control knob customization interface, you can set the desktop theme, adjust ambient light mode (if equipped), or modify temperature and air volume settings.

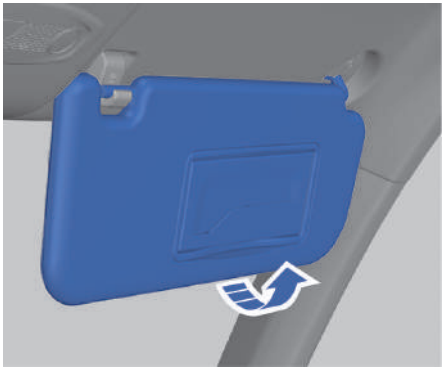
For optional functions, press the control knob briefly downward to activate the customization function. Rotate the knob to select the desired option, then confirm with a short press. To adjust temperature and air flow, briefly press the knob to activate the function, then rotate the knob to change the parameters.

Due to differences in vehicle software versions and configurations, the available functions of the control knob may vary. Please refer to the actual vehicle for the specific functions supported.◀

Sun Visor and Vanity Mirror

Type I

Type II

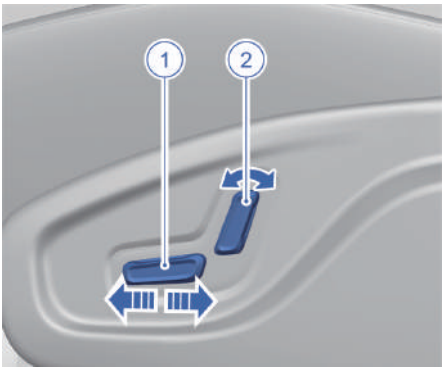


Turn down the sun visor, or pull it out of the bracket and rotate it toward the door to block glare.

The vanity mirror is built into the sun visor. Slide the mirror cover to the left, right, up, or down to use it. If equipped with vanity mirror lights, the light will automatically turn on when the mirror cover is opened and turn off when the cover is closed.

Adjusting the Front Passenger Seat

Electrical Adjustment of Front Passenger Seat *



1. Move the switch forward or backward to adjust the seat position.
2. Move the switch forward or backward to adjust the seatback angle.

Manual Adjustment of Front Passenger Seat

1. Seat Forward/Backward Adjustment Lever
   Pull and hold the centre of the front and rear adjustment levers upward to unlock the seat, then lightly lean against the

seat and slide it to the desired position. Release the adjustment lever until a clicking sound is heard from the seat slide rail, indicating that the seat is locked.

2. Seatback Angle Adjustment Lever
   Lift the seatback angle adjustment lever to unlock the backrest. Gently lean back or slowly move the backrest forward or rearward to the desired position. Release the seatback angle adjustment lever to lock the seatback.

Front Seat Ventilation *

1. Tap the seat button on the air conditioning interface of the multimedia display.
2. Then tap the Driver Seat Ventilation or Co-driver Seat Ventilation button to adjust the seat ventilation.

The seat ventilation levels can also be adjusted by tapping the Driver Ventilation or Co-driver Ventilation button on the multimedia home screen.

The seat ventilation indicator shows the current ventilation level.

- When the 1st gear is on, the seat ventilation level is low.
- When the 2nd gear is on, the seat ventilation level is medium.
- When the 3rd gear is on, the seat ventilation level is high.

Press the Auto Vent button to set the seat ventilation to automatic mode.◀

Adjusting the Rear Seats

Folding Rear Seatbacks

The rear seats consist of the left and right seats, featuring a 40:60 split-folding function to increase luggage compartment space and accommodate larger items.

1. Lower the rear seat headrest to the lowest position.
2. Release the rear seatback unlocking buckle.
3. Fully fold the seatback on the corresponding side.

After folding the backrest, ensure there is some space between the rear seat headrest and the front seat.

Unfolding Rear Seatbacks

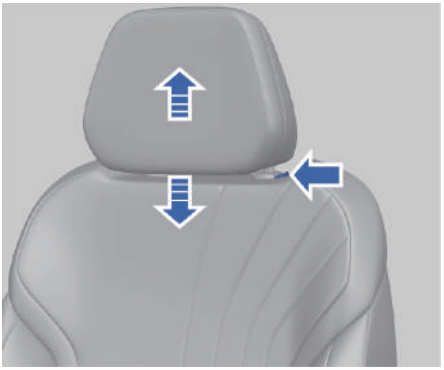
Fold the seatback backward and push firmly to lock it. Otherwise, the seat belt may not operate normally.

When the vehicle is in motion, passengers must not sit on folded seats or in the luggage compartment. Seats should be used properly at all times. When the seatback is returned to its original position, the following precautions should be observed to prevent injuries in the event of a collision or emergency braking:

- Push the top of the seatback forward or backward to ensure it is securely locked. Otherwise, the seat belt may not operate normally.
- Make sure the seatbelt is not twisted or caught under the seat, and is correctly positioned for use. ◀

If a child safety seat is installed in the rear seat, both the child safety seat and the child seat installation guide sheath must be removed before using the rear seatback folding function. ◀

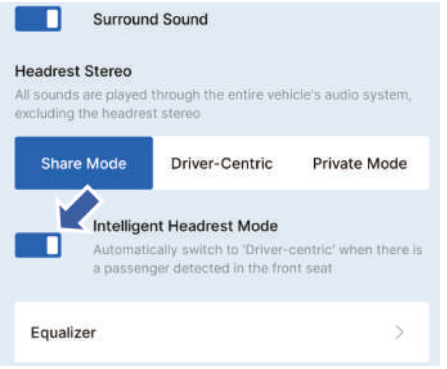
Adjustment of Front Seat Headrests



1. Press and hold the adjustment button under the seat headrest;
2. Lift up or press down the headrest to the desired height, and then release the button;
3. Gently press or lift up the headrest again until a click sound is heard to ensure that the headrest is locked in place.

Before driving the vehicle, install and adjust the headrest correctly, so that its top is flush with the top of the passenger's head. This helps prevent personal injury or death in the event of an accident.◀

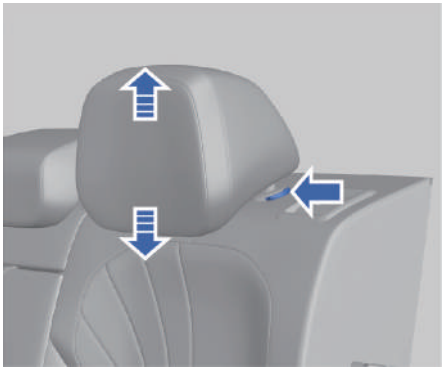
Intelligent Headrest Stereo*



Click the following on the multimedia display in sequence: Vehicle Settings → Sound Settings → Sound Effect → Headrest Stereo, and then enable the Intelligent Headrest Mode in this interface. When the front passenger seat is occupied, the system automatically switches to the Driver Comfort Mode.

The driver seat audio headrest can be adjusted up and down but cannot be removed. If the driver seat audio headrest malfunctions, please contact an authorised PROTON e.MAS service outlet.◀

Adjustment of Rear Seat Headrests



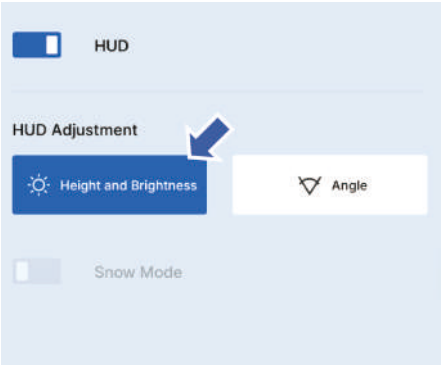
1. Press and hold the adjustment button under the seat headrest;
2. Lift up or press down the headrest to the desired height, and then release the button;
3. Gently press or lift up the headrest again until a click sound is heard to ensure that the headrest is locked in place.

Press the adjusting button to push in or pull out the headrest.◀

Head Up Display *

The display area of the head up display is located below the front windshield, about 2.3 meters in front of the driver's field of vision, and is represented by a virtual image. The driver can turn on/off the head up display and adjust its settings.

Setting of Head Up Display



Click the following on the multimedia display in sequence: Vehicle Settings → Vehicle Control → HUD Adjustment to configure the Head-Up Display. The HUD Adjustment button on the top screen of multimedia display also allows configuring the HUD with a tap. Additionally, sequential taps on the multimedia display via the path Vehicle Settings → Quick Control → HUD Adjustment enable HUD configuration.

Height and brightness adjustment

Turn on the Height adjustment. After the adjustment is completed, click the save button on the multimedia display to exit the adjustment mode.

- Height adjustment: press the up or down selection button.
- Brightness adjustment: press the left or right selection button.

The brightness of the head up display can be intelligently adjusted according to the ambient light.◀

Angle of view adjustment

Click the Angle of View adjustment button on the multimedia interface to turn on the angle adjustment. After the adjustment is completed, click the save button on the multimedia display to exit the adjustment mode.

Snow mode

Turn on/off snow mode.

Turning on the snow mode allows you to see the Head Up display (HUD) screen clearly when driving in the snow.◀

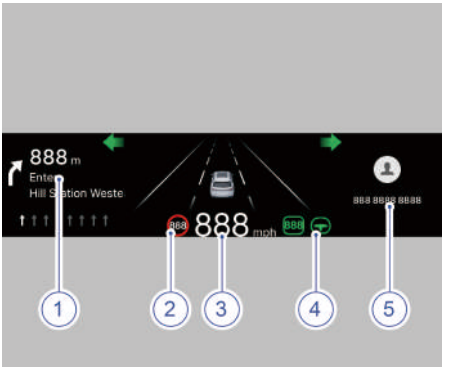
The visibility of the Head Up Display (HUD) is affected by the following situations:

- Wearing polarised filters or polarised sunglasses will affect the visibility of the head up display image, making the image dark or unclear.
- Under extreme sunlight, the display part of the image may gradually disappear and then recover, which is normal.
- If the light is blocked by foreign objects on the head up display cover, it will affect the image display.
- The front windshield is a special glass, please go to an authorised PROTON e. MAS service outlet for replacement.
- Heavy rain or slippery road surface may affect the imaging effect, which is normal.

◀

Image Information of Head Up Display

In the range of the head up display screen, the information such as the navigation, intelligent driving system will be displayed in line with the real scene seen by the driver.



1. Navigation Information
2. Road speed limit information
3. Speed information
4. Intelligent driving system
5. Bluetooth phone display

Driving Instructions

Under the following conditions, pay special attention to the lower parts of the vehicle to avoid scratching the vehicle chassis.

- Driving on poorly maintained roads.
- Driving over curbs.
- Driving on steep slopes.

Be extra careful when the vehicle is fully loaded.◄

New Vehicle Running-in

The running-in of a new vehicle helps improve the surface quality of moving parts and optimise friction and wear, extending service life and reducing fuel consumption. During the running-in period, observe the following requirements:

- When starting and driving, avoid fully depressing the accelerator pedal.
- During the running-in period, drive on flat roads and avoid muddy or sandy roads.
- Avoid prolonged engine idling.
- Avoid sudden acceleration.
- Avoid sudden braking during the first 300 km.
- Do not maintain the same speed for a long time, whether high or low.

Driving in Winter

To reduce wear, extend engine life, and lower fuel consumption, drive at a low speed (under 40 km/h) for a short period before resuming normal driving after starting the vehicle.◄

The following driving practices can help extend oil service life:

- **Urban conditions:** driving at an average speed of 30–40 km/h for more than 50 minutes.
- **High-speed conditions:** driving at an average speed above 80 km/h for more than 30 km.◄

Before stopping after a short drive, press the accelerator pedal several times to remove water vapor from the exhaust pipe.

Winter tyre

It is recommended to use winter tyres if you often drive the vehicle on roads with ice or snow. Although all-season tyres can provide excellent comprehensive performance on most surfaces, they may be unable to provide expected friction force or the same performance as winter tyres when running on roads covered with ice or snow.

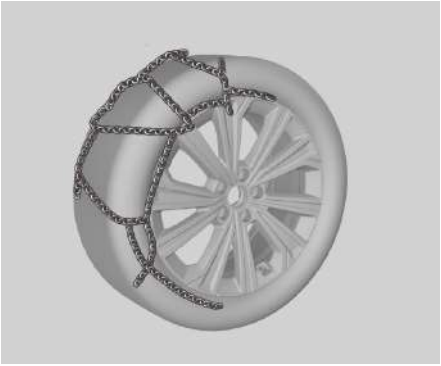
Winter tyres improve grip on ice and snow but may reduce traction, increase noise, and wear faster on dry roads. Be aware of changes in handling and braking after installation.

For information on tyre supply and selection, consult an authorised PROTON e. MAS service outlet. If using winter tyres:

- Use tyres of the same brand and tread pattern on all four wheels.
- Only use radial tyres with the same size, load range, and speed rating as the original tyres.
- If winter tyres have a lower speed rating, do not exceed their maximum rated speed.

Tyre chain

Tyre chain is not included in the equipment of this vehicle. The following information is for reference only.◀



Decide whether to fit tyre chains based on actual road conditions.

When using tyre chains, avoid fully loading the vehicle and drive carefully at low speed. Otherwise, vehicle control may be affected and damage may occur.

When installing tyre chains, select chains that match the vehicle's tyre size and install them strictly according to the manufacturer's instructions.

- Do not use tyre chains on dry roads.
- Avoid sharp turns and sudden braking when driving with tyre chains.
- After installing tyre chains, do not exceed the maximum speed recommended by the chain manufacturer.
- Tyre chains may only be installed on the drive wheels and must not be used on a single wheel.◀

ECO Driving

The fuel consumption can differ by 10% ~15% among different driving styles. Drive economically for energy conservation and environmental protection.

Drive safely, obey traffic regulations, and do not obstruct other road users or public transport operations.◀

1. Smooth Starting and Acceleration
   Fuel consumption is high during starting and acceleration. Avoid pressing the accelerator pedal hard when starting or accelerating. Smooth starting and acceleration help save fuel.
2. Maintain an Economical Driving Speed
   The economical speed is 40 to 60 km/h on general roads and 80 to 100 km/h on highways. On the premise of safe driving, maintaining a constant economic speed helps save more fuel.
3. Proper Use of the Energy Recovery System
   For safety, adjust braking intensity according to road conditions and vehicle status. To maximize the energy recovery system, brake gently and avoid sudden deceleration.
4. Minimize Wind Resistance
   Opening windows at high speed increases wind resistance and fuel consumption. Keep windows closed when driving above 80 km/h.
5. Maintain Correct Tyre Pressure
   Check tyre pressure regularly. Under-inflated tyres increase rolling resistance and fuel consumption.
6. Proper Use of the Air Conditioner (A/C)
   Use the A/C only when necessary, as heating and cooling consume significant energy and reduce range or increase fuel consumption. Using the internal

recirculation mode improves efficiency. At low speeds, open windows for ventilation.

7. Reduce Vehicle Load
   Each additional kilogram of load increases power consumption. Regularly remove unnecessary items from the vehicle.
8. Regular Maintenance
   Maintain the vehicle on schedule to keep it in good condition. A well-maintained engine improves driving safety and helps reduce fuel consumption.
9. Plan Efficient Routes
   Plan routes to avoid traffic congestion. This saves time and fuel.
10. Do Not Change Tyre Size
    Do not use tyres of a different size than specified. Larger or wider tyres can increase fuel consumption.

Driving Through Water

To prevent damage when driving through water (e. g., flooded roads), follow these precautions:

1. Check the water depth before driving. The water level should not exceed the edge of the side member.
2. Drive at low speed. High speeds can create waves that may allow water into the engine air intake or other parts.
3. Do not park, reverse, start, or turn off the engine while in water.

- Braking on wet or muddy roads may be less effective and increase stopping distance, increasing accident risk.
- Avoid sudden braking immediately after driving through water.
- After driving through water, clean and dry the brakes by intermittent braking. Brake gently when traffic allows to dry the brakes and maintain safety.◀

- Driving through water may severely damage parts such as the engine, transmission, chassis, or electrical system.
- Waves from oncoming vehicles may raise water above the safe level for this vehicle.
- Pits, holes, or stones may be hidden underwater, making passage more difficult.
- Do not drive through salt water. Salt causes rust. Rinse all parts that contact salt water with fresh water immediately.
- After driving through water, visit an authorised PROTON e. MAS service outlet for a full inspection to identify potential issues and ensure driving safety.◀

Vehicle Parking

- Park the vehicle on a flat, solid and safe road that does not affect the traffic of other vehicles.
- When parking, first depress the brake pedal and then use the electronic parking brake until the vehicle stops slowly and stays still, and then engage the shift lever into P gear.
- If there are flammable objects under the vehicle body, they may come into contact with high-temperature exhaust parts and

catch fire. Therefore, never park the vehicle on paper, leaves, dry grass, or other flammable materials.

- Park on a flat, solid, and safe road without obstructing traffic.
- When parking, press the brake pedal, apply the electronic parking brake until the vehicle stops, then shift into P gear.
- Do not park over flammable materials such as paper, leaves, or dry grass, as they may contact hot exhaust parts and catch fire.

Never leave children or people with limited mobility in the vehicle. They may release the parking brake or operate the gear shift lever, causing the vehicle to move and resulting in injury or death.◀

Vehicle Power Modes

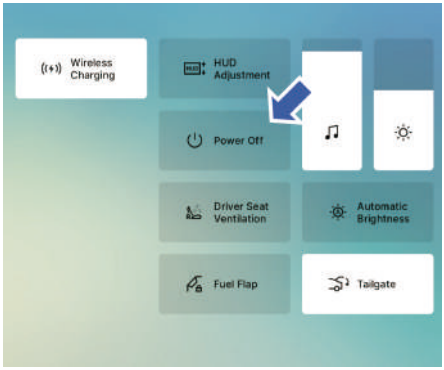
This vehicle has a non-inductive starting system and no start switch. To start, the matched intelligent key must be inside the vehicle and detected.

Vehicle Power Status

The vehicle power status has three modes: **ACC**, **ON**, and **OFF**.

- **ACC:** Use the intelligent key to unlock and open the door. The vehicle enters ACC mode, and the high-voltage system is in non-READY mode. Comfort functions such as air conditioning, entertainment, and window controls are available.
- **ON:** When the intelligent key is inside the vehicle and detected, the brake pedal is pressed, and the gear is in Drive (D) or Reverse (R), the vehicle switches to ON. The READY indicator lights up, and the vehicle is drivable.
- **OFF:** When the vehicle is parked, all doors are closed, and the vehicle is locked—or when the power-off button is pressed, or the driver leaves the seat for an extended period — the vehicle switches to OFF. Some functions may remain active briefly before turning off.

Vehicle Power-On and Power-Off Methods



Power-Off Method

The vehicle can be powered off using the multimedia display:

1. Pull down the top screen and tap the **Power Off** icon.
2. Or, go to **Vehicle Settings** → **Vehicle Control** → **More**, and tap **Vehicle Power Off** to switch the vehicle to OFF mode.

Switching Back to ACC Mode

After the multimedia display turns off, the power mode can return to ACC within 30 seconds by:

- Pressing the brake pedal
- Opening the door
- Tapping the screen

Starting the Hybrid System (Keyless Start)

Entering the READY State

1. Carry a valid intelligent key.
2. Shift to Park (P) or Neutral (N).
3. Press and hold the brake pedal.
4. Shift to Reverse (R) or Drive (D).
5. The vehicle enters the drivable (-READY) state.

- Adjust the seat, steering wheel, and interior/exterior mirrors to a safe and comfortable position before starting.
- Check that the brake pedal can be fully depressed before starting.
- Start the vehicle in accordance with local environmental laws and regulations.
- Ensure the surrounding environment is safe for starting the vehicle. Do not start if it is unsafe.
- Do not run the engine at high RPM for a long time before it reaches operating temperature, as this may cause damage.

- Never remove the intelligent key from the vehicle or shift to P gear while the vehicle is running, as this may stop the engine.◀

Vehicle Stalling

Vehicle stalling refers to the engine shutting off unexpectedly while driving or when coming to a stop.

1. Make sure the vehicle has come to a complete stop.
2. Shift the gear selector to Park (P).
3. Tap the Power Off button on the multimedia screen, or press and hold the P button.
4. Open the driver door.

Do not shift to Park (P) until the vehicle has come to a complete stop.◀

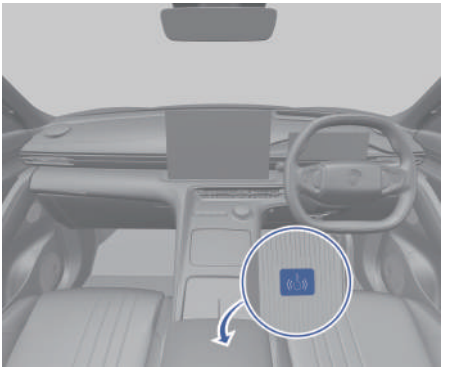
Standby Starting Procedure

The intelligent key may not be detected at vehicle start under the following conditions:

- The vehicle is in an area with strong signal interference.
- The intelligent key battery is depleted.
- The keyless start function is malfunctioning.

Start the vehicle using the following procedure:

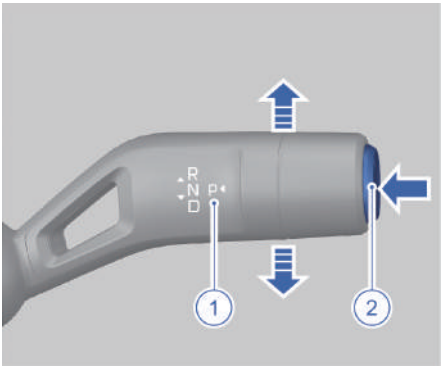
1. Shift to Park (P).



2. Place the intelligent key on the intelligent key mark in the storage box of the front center armrest.
3. Press and hold the brake pedal.
4. Shift to Reverse (R) or Drive (D). The vehicle will enter the drivable (READY) state.

If the keyless start system still does not operate properly after replacing the key battery and moving the vehicle away from the interference area, contact an authorised PROTON e. MAS service outlet immediately.◀

Gear Position Information



1. Shift lever
2. P button

Depending on the currently selected gear, move the shift lever up or down to select Reverse (R), Neutral (N), or Drive (D). Press the P button to shift into Park (P).

When shifting from Drive (D), Reverse (R), or Park (P) to Neutral (N), move the shift lever one level briefly.◀

Gear Shift

Gear Shift Operation

Park

When parking, after the vehicle is completely stopped, manually press the Park (P) button to switch the gear to Park (P). At this time, the Electronic Parking Brake (EPB) will be activated simultaneously and the wheels will be locked.

Do not press the P button while moving unless performing a manual emergency brake (by holding the P button).◀

Drive

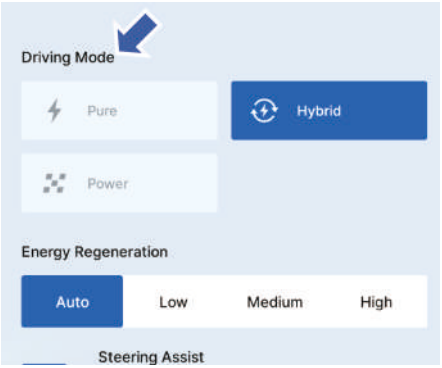
Start the powertrain in Park (P) or Neutral (N), and depress the brake pedal. Shift the lever in Drive (D), release the brake pedal, and gently depress the accelerator pedal.

Always shift the gears before depressing the accelerator pedal. It is not allowed to shift gears while depressing the accelerator pedal, or to depress the accelerator pedal before shifting gears.◀

Reverse

When the vehicle is stopped, depress the brake pedal and shift the gear in Reverse (R). After confirming that the parking brake has been automatically released, release the brake pedal and lightly depress the accelerator pedal.

Drive Mode



Select the desired drive mode on the multimedia top of the screen.

Click the following on the multimedia display in sequence: Vehicle Settings → Driving → Drive Mode to select the required driving mode in the interface.

Pure EV mode

When frequent charging access or convenient charging conditions are available, prioritizing pure EV mode is recommended for enhanced energy efficiency, environmental benefits, and a quieter driving experience.

The Pure Electric Mode deactivates/is unavailable below 25% SOC (18.4kWh power battery) or 20% SOC (29.8kWh power battery).◄

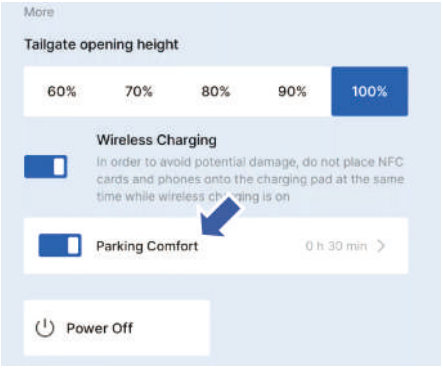
Hybrid mode

In all scenarios, the best power solution is provided based on performance, fuel consumption and comfort.

Power mode

In overtaking or rapid acceleration scenarios, activating power mode provides enhanced power output for quicker acceleration.

Parking Comfort



Click the following on the multimedia display in sequence: Vehicle Settings → Vehicle Control → More, and then enable or disable the Parking Comfort function in this interface. Once enabled, a pop-up window will appear to set the power-on duration for this function. Click the Enable button to activate the function, or click Cancel button to exit the settings interface.

The Parking Comfort function will be disabled when any of the following conditions is met:

- When the Parking Comfort function is turned on, and the function automatically exits when the battery level is lower than 20%, the Parking Comfort button turns grey.
- When the vehicle power supply is OFF, the Parking Comfort button turns grey, and this function cannot be used.

The Parking Comfort function will automatically exit when any of the following conditions is met:

- When the function is active and the set time is completed, the function will automatically exit.

- When the vehicle power is in the ACC mode, if the vehicle battery level drops below 20% while the function is active, the function will automatically exit, and the vehicle will power off.
- When the function is active, if the shift lever is moved from the Park (P) to another gear, the function will automatically exit to ensure vehicle safety.

After the Parking Comfort function is turned on, the vehicle will be locked but not armed and the exterior rearview mirror will not fold if the lock button on the smart key is pressed.◀

Service Brake

During driving, the actual braking distance will be different due to road conditions, vehicle weight and applied braking force. Sufficient distance should be maintained from the vehicle in front, and cadence braking or emergency braking should be avoided.

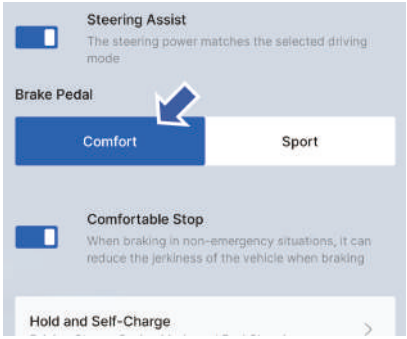
The first 500 kilometers is the running-in period for a new vehicle. The braking distance may be long and the braking effect may be slightly poor, which is normal. You should drive carefully and keep a sufficient safe distance.

Do not add non-original accessories to avoid affecting vehicle performance and causing traffic accidents.◀

When pressing the brake pedal, if there is a sharp metal friction sound at the vehicle brake, go to an authorised PROTON e.MAS service outlet for maintenance immediately.◀

Do not step on the brake pedal during driving. It may cause wear and overheating of the braking parts and prolong the braking distance.◀

Brake pedal



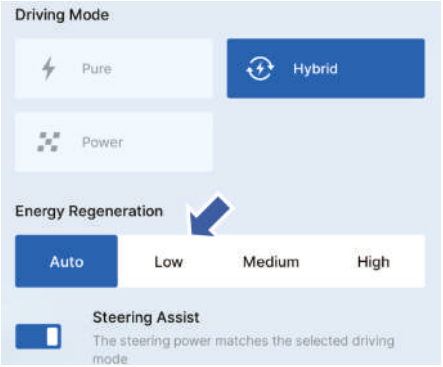
Click the following on the multimedia display in sequence: Vehicle Settings → Driving → Brake Pedal to select a preferred brake pedal mode according to driving habits.

Comfort mode: the braking force is controlled, the deceleration is smooth and comfortable.

Sports mode: The deceleration response is quick and the strength is sufficient.

Energy Recovery

The brake system also has energy recovery function: When the vehicle is coasting or braking in drive gear (D), the kinetic energy is converted into electric energy and charged into power battery for recovery, so that the driving range is improved.



Click the following on the multimedia display in sequence: Vehicle Settings → Driving→ Energy Recovery, and select the energy recovery intensity in this interface. The higher the intensity, the higher the energy recovered while coasting.

The braking effect produced by energy recovery can't meet the braking requirement to ensure safe driving, so the driver should apply braking to the vehicle in time according to the actual situation.◀

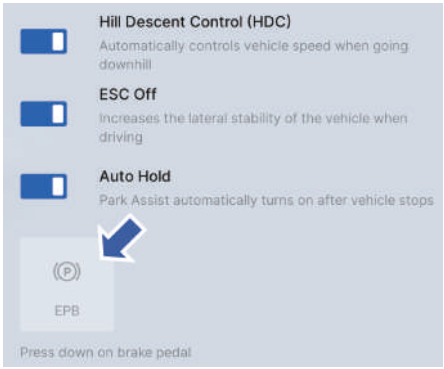
- When the vehicle decelerates, a slight feeling of halt and motor noise may occur, which is normal.
- When the power battery is full or the power battery temperature is too high or too low, the energy recovery is

automatically reduced to prevent battery damage.

- When the motor temperature is too high, to prevent it from being damaged, the energy recovery is automatically reduced.
- The Energy recovery defaults to Auto.◀

Parking Brake

Electric Parking Brake (EPB)



EPB manual release

When the vehicle is started, click the following on the multimedia display in sequence: Vehicle Settings → Driving → Driving Scene Assistance. Click the EPB switch in the interface to release the EPB.

EPB automatic release

With the vehicle started, the EPB enabled and the shift lever shifted from P to other gear, the EPB will automatically release and the Electric Parking Brake (EPB) status indicator light will go out.

Once EPB is enabled, the Electric Parking Brake (EPB) status indicator on the instrument cluster illuminates. If the indicator does not lights up, contact an authorised PROTON e.MAS service outlet as soon as possible.◀

EPB manual parking

When the vehicle is stationary, click the following on the multimedia display in sequence: Vehicle Settings → Driving → Driving Scene Assistance. Click the electric parking brake switch in the

interface to complete manual parking, and the Electronic Parking Brake (EPB) status indicator will light up.

EPB automatic parking

Press the Park (P) button when the vehicle is powered on to automatically park via EPB.

Manual emergency braking

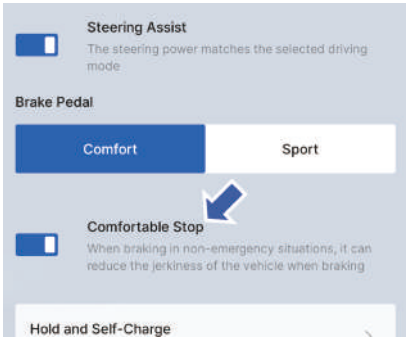
In case of an emergency during driving, press and hold the Park (P) button to enable the emergency braking function. The emergency brake can be released once the P gear button is released.

Do not use the EPB for emergency brake during normal driving.If the EPB is used repeatedly to slow down the vehicle, the brake system may be seriously damaged. ◄

Incorrect use of the electronic parking brake may result in personal injury or death. Unless in an emergency, do not apply the electronic parking brake for the service braking of this vehicle. ◄

When the EPB is released, the vehicle will lose its parking function. To avoid vehicle damage, serious personal injury, do not perform this operation on a sloping road. ◄

Comfortable Braking



Click the following on the multimedia display in sequence: Vehicle Settings → Driving to enable or disable the Comfort Braking function in the interface. After this function is turned on, the hydraulic brake pressure will

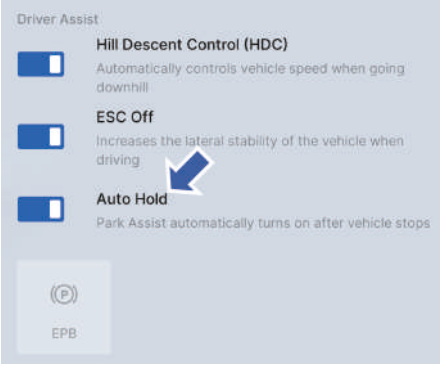
be released automatically when the vehicle is about to stop for smooth parking.

The comfort braking function does not work in low-speed driving conditions and emergency braking conditions. It is normal that the braking reaction force will be greater when the Comfort Braking function does not work.

AUTO HOLD

The Auto Hold function can help the driver to start more comfortably on sloping roads. After releasing the brake pedal, the system holds braking, so that the driver has enough time to step on the accelerator pedal to start, reducing the risk of rolling backward.

Depending on the stress, the vehicle may move even when Auto Hold is activated.◀



Click the following on the multimedia display in sequence: Vehicle Settings → Driving → Driving Scene Assistance to enable or disable Auto Hold function in the interface.

Auto Hold on

When the power system is running, with the driver door closed and the seat belt fastened, click the following on the multimedia display in sequence: Vehicle Settings → Driving → Driving Scene Assistance to turn on the Auto Hold switch and enable the Auto Hold function in the interface.

Auto Hold off

When the power system is running, with the driver door closed and the seat belt fastened, click the following on the multimedia display in sequence: Vehicle Settings → Driving → Driving Scene Assistance to turn off the Auto Hold switch and disable the Auto Hold function in the interface.

Auto Hold activation and deactivation

1. After starting the vehicle, closing the driver door, and fastening the seat belt, with the Auto Hold function enabled, if the gear is in D or N, the brake pedal is depressed, and the vehicle speed is zero, the Auto Hold function will be activated. The Auto Hold indicator on the instrument cluster display will turn on;
2. After lightly depressing the accelerator pedal or deeply depressing the brake pedal, the parking is automatically released, and the Auto Hold indicator on the instrument cluster display turns off;
3. After this function is activated, the vehicle switches to EPB mode if no operation is performed for more than 10 minutes, and the Electronic Parking

Brake (EPB) system status indicator turns on.

Auto Hold force exit

When the Auto Hold function has been activated, the seat belt is unfastened, the driver door is opened, or the power system is stopped, if EPB is performed at this time, the Auto Hold status indicator on the instrument cluster display will turn off and the Electronic Parking Brake (EPB) indicator will turn on.

Post Impact Brake (PIB)

After a crash, PIB decelerates the vehicle down to standstill and holds the vehicle stationary. The overall intention with the function is that the vehicle kinetic energy shall be reduced. The driver shall also be able to regain control of the vehicle faster after a first impact, by overriding the function. Both contribute to mitigate or avoid subsequent collisions.

When post impact braking is operating, the hazard warning lights flash.

Post impact braking is enabled by default once the vehicle is started, this function cannot be disabled.

If the Anti-lock Brake System is damaged during the collision, Post Impact Braking will not be triggered.◀

Anti-lock Braking System (ABS)

The vehicle is equipped with ABS to prevent the wheels from locking when you apply the maximum braking force. In most road conditions, the steering control performance of the vehicle under emergency braking can be improved.

The braking distance will be longer on rough, gravelly or snow covered roads than on normal roads.◄

- During braking, you can feel the continuous “Cluck” sound from the front compartment and the vibration from the brake pedal. This is caused by the normal operation of the anti-lock braking system, this is not a system fault.
- When the anti-lock braking system is no longer in use, it feels that the brake pedal will return to the state of non anti-lock braking.◄

Electronic Braking-force Distribution (EBD)

During braking, the Electronic Braking-force Distribution (EBD) will automatically adjust the brake force distribution ratio of the front and rear axles to improve the braking efficiency, and cooperate with ABS to improve the braking stability, thus ensuring the stability of the vehicle.

Electronic Stability Control (ESC)

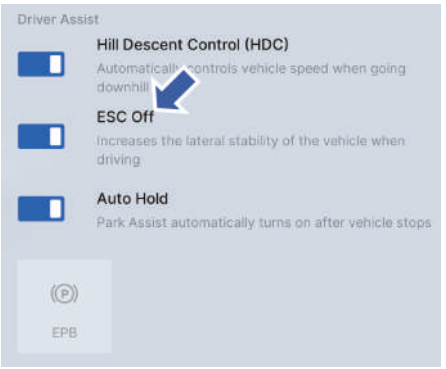
The Electronic Stability Control (ESC) system is a kind of active safety technology that assists the driver in controlling the vehicle. When instability is detected, the system intervenes by applying brake force to individual wheels or reducing powertrain torque, guiding the vehicle back to the correct route and helping to prevent accidents.

The ESC system is only an auxiliary system. There are still great dangers on smooth and wet roads. Please drive with caution.◀

ESC is active when the vehicle has been started. To keep control of the vehicle direction, the system should always be activated. If an emergency situation occurs while driving the vehicle, the ESC status indicator will flash on the instrument cluster. This also occurs when the traction control system is active. You may hear some noise or feel the vibration of brake pedal, which is normal. Please continue operating the vehicle in your desired direction. If a fault of the ESC system is detected, the ESC status indicator will be always on and the system will not work properly. At this time, the drive mode should be adjusted.

When driver assistance is active or energy recovery is set to Medium/ High, the ESC button is greyed out while ESC remains functional.◀

ESC Off



When the vehicle is started, click the following on the multimedia display in sequence: Vehicle Settings → Driving → Driving Scene Assistance, and then click the electronic stability control button to disable ESC. The Electronic Stability Control (ESC) Off indicator on the instrument cluster display turns on accordingly.

If sufficient traction cannot be achieved, ESC can be turned off in the following situations.

- When the vehicle runs in deep snow or soft road.
- When the vehicle is stuck (such as muddy road) and needs to be moved forward and backward.
- When the vehicle travels with tyre chains.

ESC On

Reactivate the electronic stability control via the multimedia display. At this time, the Electronic Stability Control (ESC) Off indicator will turn off.

Brake Assist (BA)

During emergency braking, the brake assist system will increase the braking force and shorten the braking distance.

Brake assist system can only help the driver increase the braking force. It does not mean that accidents can be avoided. Therefore, you should always keep the distance and drive carefully.◀

Traction Control System (TCS)

TCS is used to prevent traction loss of the drive wheels. After the system detects the slipping of the drive wheels, it will apply brakes to the idle drive wheels to prevent them from spinning.

Hill-start Assist Control (HAC)

When starting on a ramp, the driver releases the brake pedal, and the Hill-start Assist Control (HAC) can maintain the braking force for about two seconds to effectively prevent rolling.

The hill-start assist function can only be activated when the parking brake is fully released.◀

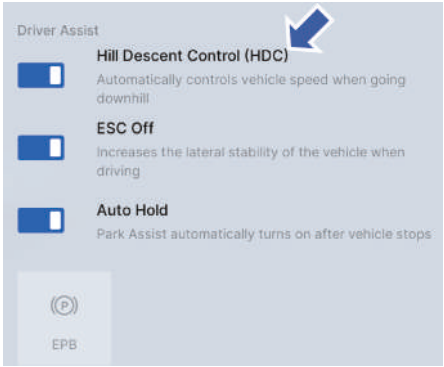
The Hill-start Assist Control function only maintains the brake pressure shortly when the driver releases the brake pedal. If the accelerator pedal isn't pressed or the parking brake isn't pulled up, the vehicle may slip back on the slope after 2 seconds. It is recommended to take care when starting on steep inclines.◀

Hill Descent Control (HDC)

HDC can actively brake the vehicle when it is going downhill to ensure that the driver can drive down the steep slope safely at a constant speed.

- HDC only plays an auxiliary role. At any time, the driver should be responsible for the safety of the vehicle and be aware of their surroundings.
- When a slope is too large, HDC may not be able to keep the vehicle driving down the steep slope at a constant speed. The vehicle speed can then be controlled by using the brake pedal.◀

System On/Off



Click the following on the multimedia display in sequence: Vehicle Settings → Driving → Driving Scene Assistance to enable or disable Hill Descent Control (HDC) in this interface.

- HDC can only be activated when the vehicle speed is less than 35 km/h, and it

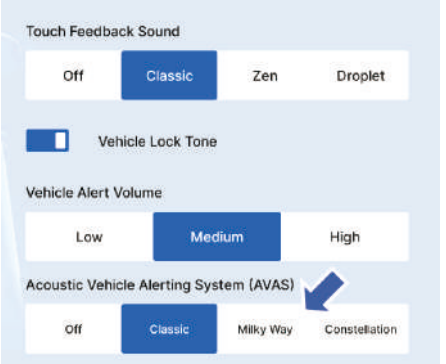
will be automatically deactivated when the vehicle speed is higher than 60 km/h.

- HDC cannot be enabled or automatically disabled when the brake temperature is too high.
- If the Hill Descent Control (HDC) fault warning light on the instrument cluster does not light up or turns yellow when turning on the HDC function on the multimedia display, it indicates that the HDC system cannot be activated.◀

Anti Rolling Program (ARP)

The degree of vehicle roll can be calculated by means of signals from the wheel sensors by the Anti Rolling Program to provide additional control of the wheels on the outside of the bend. When the vehicle is experiencing severe roll, the Anti Rolling Program will quickly adjust the braking force distribution between the two wheels, and at the same time reduce the torque output of the drive motor. In this way, the balance of the vehicle can be restored in the shortest possible time, avoiding the body from rolling over and ensuring the safety of the driver and passengers.

Vehicle Sound for Pedestrian



Click the following on the multimedia display in sequence: Vehicle Settings → Sound Settings → Prompt Sound, and select the sound effect for Vehicle Sound for Pedestrian function in the interface. When the vehicle is in Drive (D) or Reverse (R) and the vehicle speed is less than 30km/h, the vehicle sound for pedestrian is activated to alert pedestrians to the approaching vehicle.

Electric Power Steering (EPS)

The electric power steering system monitors the driving speed and adjusts the power assistance in real time to ensure the maneuverability of low-speed steering and the stability of high-speed steering, and improve the sense of safety.

If the steering is difficult or the Electric Power Steering (EPS) status indicator on the meter instrument lights up, contact an authorised PROTON e.MAS service outlet as soon as possible.

Tyre Pressure Monitoring System (TPMS)

The Tyre Pressure Monitoring System (-TPMS) monitors tyre pressure through sensors mounted on each wheel valve.

The tyre pressure monitor sensors relay the individual tyre pressure in real time which is displayed on the instrument cluster display.

- Low tyre pressure alarm
  If the sensors detect low tyre pressure, the Tyre Pressure Monitoring System (-TPMS) status indicator lights up continuously until the alert is dismissed. There will also be a prompt sound and pop-up on the alarm interface. The low tyre pressure alert is resolved after the tyres are inflated to the recommended tyre pressure value when they are cold.
- Sensor fault alarm
  When a sensor fault warning is triggered, there will be a prompt sound and pop-up on the alarm interface.
- TPMS signal abnormality alarm
  When a TPMS signal fault warning is triggered, the TPMS status indicator will flash for 60 seconds, and stay on until the alarm is dismissed. There will also be a prompt sound and pop-up on the alarm interface.
- Multi-signal alarm
  If the system detects warnings for multiple tyres, the instrument cluster will alert based on the sequence of detection.
- High tyre temperature alarm
  If the sensors detect high tyre temperature, there will be a prompt sound and pop-up on the alarm interface.
- Rapid tyre pressure release alarm
  If the sensors detect a rapid drop in tyre pressure, there will be a prompt sound and pop-up on the alarm interface.

If the Tyre Pressure Monitoring System status indicator light illuminates, it indicates that the pressure of one or more tyres is abnormal. Park the vehicle as soon as possible, and inspect tyre pressure and inflate the tyre to a correct pressure value. Tyre Pressure Monitoring System of the vehicle can remind you of abnormal tyre pressure but it cannot substitute normal tyre maintenance.

Tyre pressure monitoring system self-learning

After performing tyre rotation, the tyre pressure monitoring system needs to be self-learned.

Prior to vehicle self-learning, lock the vehicle using the smart key for at least 20 minutes.

The self-learning methods are as follows:

1. Drive the vehicle at a speed of 30 km/h or more;
2. Driving time should not be less than 20 minutes, and temporary parking should not exceed 5 minutes;

3. If the tire pressure monitoring system still fails to recognize the tire pressure correctly after repeating the above operations, contact an authorised PROTON e.MAS service outlet. ◄

- The recommended tyre pressure value can be viewed from the tyre pressure label on the vehicle.
- Please check the tyre pressure regularly and make sure it is within the specified range.
- The TPMS cannot indicate dramatic tyre damage caused by external factors (such as a blowout) in advance, nor can it identify natural, uniform pressure loss over long periods of time in all tyres.
- When the vehicle is started, the information displayed on the tyre pressure monitoring interface of the instrument cluster is the historical value. When the vehicle is driven at a speed of 30 km/h or above for a few minutes, the system will gradually update the tyre pressure and temperature information. ◄

- Tyre pressure needs to be adjusted seasonally, inflated in winter and deflated in summer. Tyres should be inflated when they are cold.
- It is normal for the tyre pressure alarm to occur when the vehicle is driven in low and high altitude areas, and the tyre pressure should be adjusted according to the tyre pressure alarm.
- When driving the vehicle in winter, if all four tyres are replaced with snow tyres (the sensors are not installed on the tyres), the instrument cluster will prompt that the sensors are missing and give a system failure alarm. ◄

The tyre pressure monitoring system may work abnormally due to the following reasons:

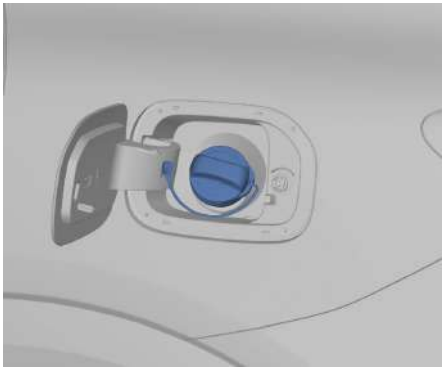
- Installation of incompatible tyres or modification of wheels.
- Presence of fluid in the tyre or injection of tyre repair fluid.
- Driving the vehicle with anti-skid chains installed.
- Proximity to sites such as television stations, airports, etc. that generate strong radio waves or electrical noise interference.
- Installing accessories that cause interference to the vehicle radio receiver or electrical system, etc. ◄

Refueling

Fuel is flammable, volatile and can easily explode in a space with poor air circulation.

Note the followings when refueling:

- The vehicle exits the READY mode.
- Do not carry fireworks near the vehicle.
- Do not make or answer phone calls.
- For self-service refueling, eliminate static electricity from both hands through the anti-static button of the refueling machine before operation.
- Observe other precautions posted by the gas station. ◀



The fuel filler cap is located on the left rear side of the vehicle.

1. With the vehicle unlocked, press the fuel filler cap button on the multimedia home screen or the Dock bar fuel filler cap button on the multimedia display, and then press the right side of the fuel filler cap to open it;
2. Slowly turn the filler cap counterclockwise and remove it. When refueling, you can place the filler cap in the bracket of the fuel filler door.
3. After refueling, reinstall the fuel filler cap and turn it clockwise until a click is heard to ensure that it is in place;
4. After closing the fuel filler cap, make sure it is fully covered.

- Do not overfill the fuel until the first stop.
- Do not open the fuel filler cap too quickly or overfill the fuel, otherwise the fuel may spill out and cause serious burns. If fuel splashes on a person or the vehicle body, clean it immediately.
- If a fire breaks out while refueling, do not pull out the fuel nozzle. The gas pump must be closed or the staff of the gas station must be notified to cut off the oil flow and leave the scene immediately. ◀

Three-way Catalytic Converter

The exhaust system is equipped with a three-way catalytic converter, which converts harmful gases such as CO, HC and NOx emitted from the exhaust into harmless carbon dioxide, water and nitrogen through oxidation and reduction.

Engine malfunctions, such as misfires or the after-fires, can cause severe damage to the three-way catalytic converter. Please go to an authorised PROTON e.MAS service outlet for maintenance.◄

Gasoline Particulate Filter*

Regeneration Procedure

During driving, when the particles captured in the GPF accumulate to a certain amount, the vehicle will automatically start the regeneration procedure to fully burn the particle matters and restore the performance of the GPF.

However, under certain special operating conditions, the GPF has no chance to regenerate or the regeneration is incomplete. When the amount of particulate matter reaches a certain level, an alarm will be triggered. The GPF status indicator light on the combination instrument will turn on, or a text prompt "GPF Fully Loaded/ Frequent Regeneration, Please Refer to the User Manual" will appear. At this time, the GPF needs to perform parked regeneration, and please follow the suggestions below:

- When driving on roads with good road conditions, maintain at a constant speed of 80 km/h or above for 50 minutes or more (if the GPF status indicator turns off or text prompt disappears during the driving process, continue driving under current conditions for more than 50 minutes) to fully burn the particles inside the GPF to restore its performance;
- Please drive moderately to an authorised PROTON e.MAS service outlet for GPF parked regeneration, and if the GPF status indicator or message disappears upon arrival, you must inform the service outlet to request the procedure;
- It is recommended to use drive cycle regeneration at high speed for GPF full load mode processing. If the conditions

are not allowed, an authorised PROTON e.MAS service outlet can be selected for stationary regeneration to restore the performance of the GPF.

To assist the drive cycle regeneration process, the following recommendations should be observed:

- Avoid driving the vehicle continuously at speed lower than 50 km/h until the GPF status indicator turns off or text prompt disappears;
- Avoid frequent stopping or turning off the engine.◀

Change the engine oil regularly and fill it with gas of the specifications recommended by the technical information of the vehicle to prevent problems such as increased particulate matters or catalytic converter poisoning caused by substandard oil.◀

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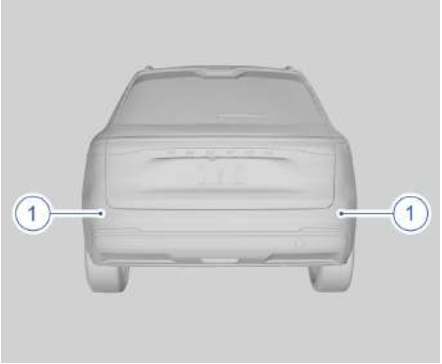
Introduction to Intelligent Driving System

Medium-range Radar*



1. Rear side medium-range radar

The intelligent driving system detects targets through rear side medium-range radar. During daily use, please note the followings:

- Adverse weather conditions such as rain, snow, fog, etc. may lead to a decrease in the performance of rear side medium-range radar. In such cases, some targets will not be detected, or detected too late.
- Keep the rear side medium-range radar clean. No other obstacles are allowed in the field of view of the rear side medium-range radar, otherwise the performance of the intelligent driving system will be affected.
- Under the influence of extraordinary situations, the performance of rear side medium-range radar may be degraded.
- Modification of the rear-side medium-range radars is prohibited. When the rear side medium-range radars are subject to strong vibration or slight impact, the calibration will be affected.

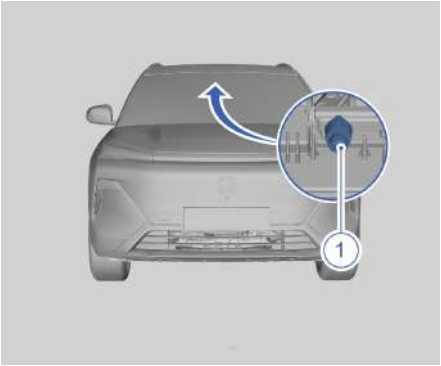
If the visual field of rear side medium-range radar is dirty or blocked, the instrument cluster display will prompt a text and audio alarm to remind the driver to wipe or drive on road for some time after wiping.

The rear side medium-range radar may show temporary obstruction under certain road conditions, which is normal. Ensure the surface of rear side medium-range radar is clear and drive the vehicle under normal road conditions for some time, the rear side medium-range radar will automatically resume normal. If self-recovery is not possible, please visit an authorised PROTON e.MAS service outlet for inspection and repair.

Under the following situations, be sure to go to an authorised PROTON e.MAS service outlet for professional calibration of rear side medium-range radar:

- The rear side medium-range radar has been removed.
- The toe-in and rear wheel camber have been adjusted during four-wheel alignment.
- After a collision.
- Intelligent driving system is degraded or abnormal. ◀

Front camera



1. Front camera

The intelligent driving system recognises the lane boundary and detects the target through the front camera.

In daily use of vehicle, keep the front camera clean, and the visual field of front camera shall not be blocked by pollutants (such as rain, snow, fog, water vapor, ice and frost, leaves, bird droppings, etc.) or interfered by strong light. Otherwise, the performance of smart driving will be affected. The front camera has blind spots and distance recognition limitations, and it is impossible to effectively identify objects beyond the front camera's field of view or within the limit of the field of view.

- In adverse conditions such as rain, snow, fog and dust, the recognition capability of front camera will be affected, which could result in reduced system performance or function deactivation. The driver should always monitor the vehicle status and take over the vehicle.
- If a system failure occurs in the front camera, the instrument luster display will prompt in text. Please visit a PROTON e.MAS service outlet for maintenance.
- In order to protect the electronic components, the system function will be temporarily disabled when the front camera is at extremely high temperature. The instrument cluster display will prompt in text. When the temperature drops sufficiently, the camera unit will automatically restart and the system function will return to normal.
- If the front camera is blocked, the vehicle enters a dark environment, the light environment suddenly changes, or is interfered by strong light, it may result in reduced system performance or function deactivation. The driver should always monitor the vehicle status and take over the vehicle.
- It is prohibited to refit front camera. When the front camera is subject to strong vibration or slight impact, it may need to be re-calibrated. The deformation, damage, replacement and coating of the front windshield may also lead to inaccurate identification.◀

Blindness of the front camera is a normal response under extraordinary scenarios. It can be restored by avoiding dark environments and direct sunlight when the front camera view is not obstructed. If it cannot be restored, please visit a PROTON e.MAS service outlet for maintenance.◀

When the whole vehicle is powered on, the Intelligent Driving System needs to be initialised, and it cannot work normally during initialisation.◀

Adaptive Cruise Control (ACC)

The Adaptive Cruise Control (ACC) can control the vehicle speed based on the set speed and the headway in the range of 0 to 150 km/h.

ACC mainly provides driving assistance for the driver on highways or elevated roads with good road conditions. The driver should keep control of the vehicle at all times.

ACC detects vehicles ahead using the front camera, and maintain the headway set by the driver through automatic speed adjustment. The driver can control the vehicle at any time according to the driving conditions.

When the vehicle is powered on, ACC will start self-check, and the system is disabled at this stage.◀

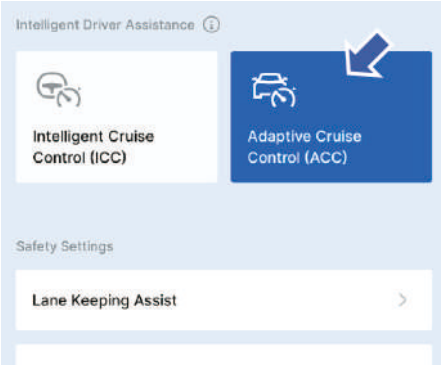
- ACC is only an assistance system instead of an emergency warning and collision avoidance system, which cannot substitute the driver. The driver must always keep control of vehicle and take full driving responsibility for vehicle operation. The driver should drive according to laws and regulations.
- ACC does not respond to vehicles or objects crossing carriageway.
- The change of vehicle posture due to excessive load in the luggage area will degrade or invalidate the target recognition of ACC system.
- When suddenly accelerating and approaching the vehicle ahead at high speed (an obvious speed difference with the vehicle ahead), the driver should brake in time.
- When driving on a steep downslope, it may be difficult to keep a proper distance from the vehicle ahead. In these situations, be particularly careful and always be ready to brake. Do not use ACC under heavy load.
- ACC cannot recognise pedestrians, tricycles and vehicles loaded with irregularly shaped goods or irregular vehicles, also including animals, objects scattered on the road, overturned vehicle, or pedestrians standing next to or behind a vehicle.
- ACC has difficulty detecting stationary or slowly moving vehicles, and cannot recognise oncoming vehicles. During the use of ACC function, drivers should always pay attention to road conditions and vehicle status, and overtake vehicles in time.
- When ACC is in use, if the driver presses the accelerator pedal, the vehicle will be taken over by the driver, and respond to the driver's acceleration input. The control function of ACC will not work.
- When entering/exiting a curve, the target selection may be delayed or disturbed. ACC may have unexpected braking or late braking.
- In some cases (the speed of vehicle ahead is too low relative to your own vehicle, and the vehicle ahead enters the lane closely, etc.), ACC system does not have enough time to reduce the relative speed. In this case, the driver must react appropriately.

- If the vehicle ahead suddenly brakes, ACC may fail to respond timely or react too slowly. In this case, the driver will not receive the takeover request. Active braking is required.
- At a sharp turn, such as a serpentine road, ACC cannot detect the vehicle ahead normally due to the visual field limit of front camera. This may lead to the acceleration of vehicle with ACC, requiring the driver to respond appropriately based on actual road conditions.
- If the distance between the ACC-equipped vehicle and vehicle on the adjacent lane is too small (or the vehicle on the adjacent lane is too close to the lane of ACC-equipped vehicle), ACC system may react to the vehicle and apply braking.◀

In following situations, the driver must be especially alert:

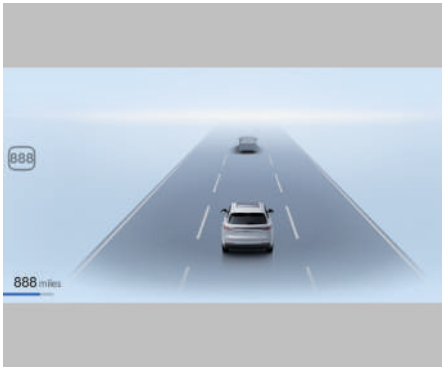
- When the ACC is activated and confirmed to start with the vehicle stationary, if there are pedestrians, children, animals, two-wheeled vehicles, tricycles or obstacles ahead, the ACC cannot detect and identify them, and there is a serious collision risk. The driver should activate ACC before confirming that the area in front of the vehicle is safe to control the vehicle to start off.
- If the vehicle speed is high, and the left turn signal lamp is turned on when overtaking from the left, ACC will automatically accelerate the vehicle and shorten the distance to the vehicle ahead. If the vehicle enters the overtaking lane and there is no vehicle ahead, ACC system will automatically accelerate to the set cruise speed.
- ACC 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 has the above-mentioned special load or equipment,ACC must be turned off when overtaking such vehicles.
- When driving with a trailer towed, the dynamic characteristics of ACC will be reduced.
- After the system requires the driver to overtake the vehicle, if the vehicle continues to move, the driver must depress the brake pedal to brake.
- Structural modification of vehicle, such as lowering the chassis height may affect ACC.◀

Function Selection



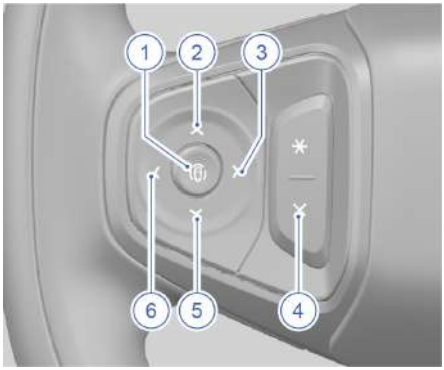
Click the following on the multimedia display in sequence: Vehicle Settings → Driver Assistance → Intelligent Driver Assistance, and select the Adaptive Cruise Control (ACC) in this interface.

The function can also be selected and set by clicking the intelligent cruise control/ adaptive cruise control button on the multimedia home screen.



After turning on the Adaptive Cruise Control (ACC) on the multimedia display, the ACC can be activated through the cruise button on the left side of steering wheel.

Steering Wheel Control



The cruise control buttons are on the left side of the steering wheel.

1. Cruise Button: Press this button to activate the Adaptive Cruise Control (ACC).
2. Speed adjustment and cruise resume button:
   - Short press: the cruise speed increases by 5 km/h.
   - Long press: the cruise speed increases by 1 km/h continuously.
   - Press this button to activate or resume the Adaptive Cruise Control (ACC).
3. Headway + button: Short press to increase the headway.
4. Cancel button: exit Adaptive Cruise Control (ACC) activation status.
5. Speed Adjustment Button:
   - Short press: the cruise speed decreases by 5 km/h.
   - Long press: the cruise speed decreases by 1 km/h continuously.
6. Headway - button: Short press to decrease the headway.

To activate ACC, the following conditions must be met at least:

- ACC has been selected.
- The gear is in D.
- Four doors, boot and bonnet are all closed.
- The vehicle is in motion, and the brake pedal is not applied.
- There is not any fault in the brake system.
- The front camera has no problems such as high temperature, dirt or fault.
- Electronic Stability Control (ESC) system is active.
- Electric Parking Brake (EPB) is released.
- The driver fastens the seat belt.

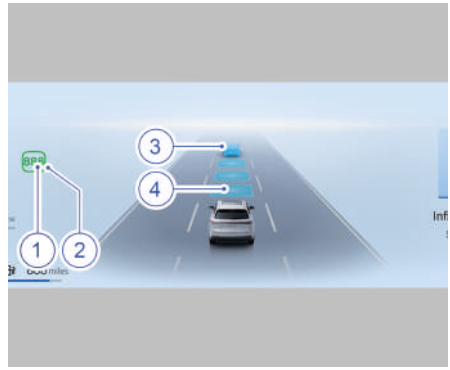
Activation and Speed Setting

1. When the vehicle is stationary, activate and set the vehicle speed as follows:

- Select the Adaptive Cruise Control (ACC) on the multimedia display. After the activation conditions are met, the cruise system longitudinal control status indicator light on the instrument cluster display lights up in grey.
- Depress the brake pedal or activate AUTO HOLD function.
- Press the cruise button or the speed adjustment and cruise resume button to activate ACC. The cruise system longitudinal control stauts indicator light on the instrument cluster display lights up in green.
- When the brake pedal is released, ACC system can continue to keep the vehicle stationary.
- The driver needs to press the speed adjustment and cruise resume button again or depress the accelerator pedal to make ACC control the vehicle to start.
- ACC controls the vehicle according to the set cruise speed.

2. When the vehicle is in motion, activate and set the vehicle speed as follows:
   - Select the Adaptive Cruise Control (ACC) on the multimedia display. After the activation conditions are met, the cruise system longitudinal control status indicator light on the instrument cluster display lights up in grey.
   - Press the cruise button or the speed adjustment and cruise resume button to activate ACC; the cruise system longitudinal control status indicator on instrument cluster display lights up in green. When the vehicle speed is below 30 km/h, the set cruising speed is 30 km/h; when the vehicle speed is between 30 km/h and 150 km/h, the set cruising speed is the current vehicle speed.
   - ACC controls the vehicle according to the set cruise speed.
3. Push the speed adjustment and cruise resume button or speed adjustment button to set the desired cruise speed.

Instrument Cluster Information



1. Cruise System Longitudinal Control Status Indicator Light
   The indicator lights up in grey when the adaptive cruise control is not activated; green when the adaptive cruise control is activated.
2. Setting Speed
   The indicator lights up in grey when the adaptive cruise control is not activated; green when the adaptive cruise control is activated.
3. Vehicle Ahead
   The indicator lights up in blue when the adaptive cruise control is activated and

following a target vehicle; yellow when the adaptive cruise control is activated and the distance is too close to the vehicle; red when the distance between the two vehicles is too close and the driver needs to take the initiative to overtake; grey when the driver is depressing the accelerator pedal to control the vehicle.

4. Headway

   It is divided into three levels: near, medium and far. Every time the vehicle starts, the system will remember the settings selected by the driver.

In addition, if ACC or ICC has not been activated during this power-on cycle, and the vehicle speed is below 30 km/h, the set cruising speed displayed in the instrument cluster is 30 km/h. When the speed of the vehicle is 30-150 km/h, the set cruising speed changes with the speed in the instrument cluster. When the speed of the vehicle is above 150 km/h, the set cruising speed displayed in the instrument cluster is 150 km/h.

The driver must keep sufficient braking distance from the vehicle ahead, and be aware of relevant requirements of local highway traffic regulations on the minimum distance or the shortest time. It is the driver's responsibility to abide by the law.◄

Controlling Vehicle Speed Using Adaptive Cruise Control

Accelerating when using adaptive cruise control

Acceleration can be performed in two ways:

- Depress the accelerator pedal to increase the speed actively. In case of active acceleration, the driver takes control of vehicle, and the instrument cluster shows the active vehicle acceleration. After the driver releases the accelerator pedal, ACC system continues to control the vehicle to cruise.
- Once the cruise control system is enabled, if you want to accelerate slightly, press the speed adjustment and cruise resume button. Short press the speed adjustment and cruise resume button once, the vehicle speed will increase by 5 km/h; Long press the speed adjustment and cruise resume button once, the vehicle speed will keep increasing at 1 km/h until the button is released. The maximum set speed is 150 km/h.

Overtaking Assist Mode

In cruise mode, when following the vehicle ahead and turning on the left turn signal, ACC accelerates the vehicle before it reaches the overtaking lane to assist the driver overtake or change the lane.

To enable the overtaking assist mode, the following conditions must be met at least:

- There must be a target vehicle ahead.
- The current vehicle speed exceeds 60 km/h.
- The current lane line is dotted.
- The set speed should be high enough for a safe overtaking.
- Turn on the left turn signal.

In the overtaking assist mode, unexpected acceleration may occur in the following situations, which requires special

awareness of the driver. Therefore, in the overtaking assist mode, the driver should prepare for sudden change of conditions and control the vehicle in time.

- The vehicle is approaching a turning exit, and the exit direction is the same as that of usual overtaking.
- Before the vehicle passes through and enters the overtaking lane, the speed of vehicle ahead decreases.
- The speed of vehicle in the overtaking lane decreases.

At the overtaking assist mode, unexpected deceleration may occur in the following situations, which requires special awareness of the driver. Therefore, in the overtaking assist mode, the driver should prepare for sudden change of conditions and control the vehicle in time.

- The speed of vehicle in the overtaking lane is lower than your vehicle speed.
- The longitudinal distance between the vehicle in the overtaking lane and your vehicle is close.
- The vehicle in the overtaking lane is large with long body, and parallel to your vehicle.

In overtaking assist mode, the driver is required to manually control the lane change.◀

Please note that this function can be enabled in more situations besides overtaking. E. g., when the left turn signal indicator is turned on to change lanes or enter another road, the vehicle will briefly accelerate.◀

Start-stop Mode

In the cruise following mode, if the vehicle ahead brakes and stops gradually, your vehicle will follow the vehicle ahead to stop gradually, and keep a safe distance from it.

- During the follow-to-stop function, the vehicle is capable of following the preceding vehicle to start within a certain time period, the cruise will resume automatically if the vehicle ahead resumes traveling.
- If the vehicle ahead resumes after more than certain period after stopping, the driver is required to depress the accelerator pedal or press the speed adjustment and cruise resume button to resume cruising.
- In ACC start-stop mode, if the driver actively exits ACC, the vehicle will not start automatically. If the accelerator pedal is pressed at this time, the vehicle starts, and the driver needs to take control of the vehicle and drive safely.

ACC cannot recognise stationary vehicles, and cannot brake against stationary vehicles.

After stopping, the ACC can still control the vehicle to move, which may result in uncontrolled vehicle movement, which may increase the risk of accident and result in serious injury or death.◀

ACC will have unexpected acceleration in the following situations. Please be highly alert and take active braking:

- When adaptive cruise control follows a moving vehicle that comes to a stop, the ACC system may not recognise the

stationary vehicle and continue cruising at the speed set by the driver.

- At an intersection, when following the vehicle ahead to turn at low speed, the following target disappears due to the turning of vehicle ahead, so the ACC system will accelerate based on the set speed.◀

Decelerating when using adaptive cruise control

If the cruise control system is enabled, if you want to slow down slightly, press the speed decreasing button. Short press the speed decreasing adjustment button once, the vehicle speed will decrease by 5 km/h. Long press the speed decreasing adjustment button once, the vehicle speed will keep decreasing at 1 km/h until the button is released. The minimum set speed is 30 km/h.

Restoring Set Speed

If the driver has set the ACC system to the required speed, and depresses the brake pedal or presses the cancel button, the ACC system will be deactivated automatically. At this time, the set speed will be pre-stored, and the set speed will continue to be shown on the instrument cluster display. To activate ACC and cruise at the speed set last time, press the speed adjustment and cruise resume buttons.

Ending Adaptive Cruise Control

The following methods can be used to deactivate the adaptive cruise control:

- Depress the brake pedal to exit ACC.
- Press the cancel button to exit ACC.

The adaptive cruise control relies on other systems to work, such as the Electronic Stability Control (ESC). If either of these systems stops working, the adaptive cruise control will be automatically turned off.

In case of automatic deactivation, a sound signal is given and the instrument cluster display shows a text message. The driver must intervene to match the speed of and the distance to the vehicle ahead.

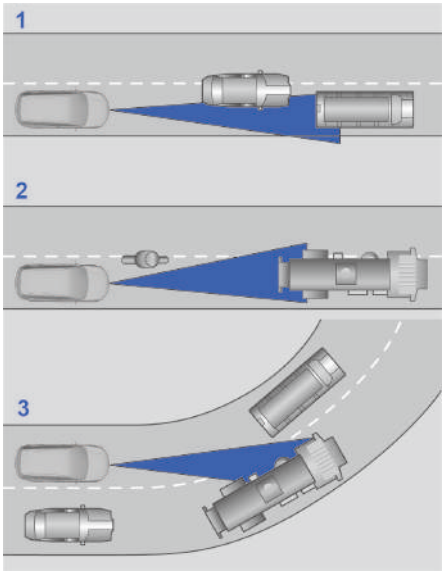
The ACC system may become unavailable if the front camera experiences a system malfunction, operates in low-light conditions, is exposed to intense direct light, obstructed by objects, or subjected to rapid lighting changes between bright and dark environments.

Possible reasons for disabling the adaptive cruise control (including but not limited to):

- Any door, bonnet or boot is opened.
- Driver seat belt is unfastened.
- The wheels lose road holding.
- The brake system performance is degraded or faulty.
- The parking brake is applied.
- Front camera is covered by wet snow or heavy rain.

Detection Problems

The detection range of the front camera is limited, and in some cases, it may not detect vehicles or there may be a delay in detecting them.



Detection problems may occur in the following situations:

1. Vehicles move slowly along the driver's lane. The system can only detect the vehicle that has fully entered the driver's lane.
2. When the vehicle ahead is a large truck, the time of detecting the vehicle may be delayed.
3. When the driver enters or exits a curve on the road, detection problems related to the vehicle ahead may occur.
4. When the vehicle is powered on, the front camera needs initialisation. The vehicle ahead cannot be detected during initialisation.

Under such circumstances, the driver should keep alert. Take emergency measures and temporarily deactivate ACC if necessary.

Intelligent Cruise Control (ICC)

The Intelligent Cruise Control can simultaneously provide cruise control and steering assist for the vehicle within the speed range of 0~150 km/h. The system can control the vehicle's speed based on the set speed and the following distance to the preceding vehicle, provide steering assist based on the lane lines on both the left and right sides, perform offset control when overtaking trucks, and issue an alarm if the driver takes their hands off the steering wheel.

The intelligent cruise control system mainly provides driving assistance for the driver on highways or elevated roads with good road conditions.

When the vehicle is powered on, the intelligent cruise control system will start self-check, and the system is disabled at this stage.

- The intelligent cruise control system is suitable for use on expressways and roads with restricted access, while the driver needs to concentrate on driving the vehicle and be able to take over the vehicle quickly when an emergency occurs.
- The intelligent cruise control system is only an assistance system instead of an emergency warning and collision avoidance system. The driver should drive according to laws and regulations.
- The intelligent cruise control system does not respond to vehicles or objects crossing carriageway.

- The change of vehicle posture due to excessive load in the luggage area will degrade or invalidate the target recognition of intelligent cruise control system.
- The intelligent cruise control system may not be able to react in time once there is a vehicle cuts in with low speed suddenly, so the driver should brake in time.
- When suddenly accelerating and approaching the vehicle ahead at high speed (an obvious speed difference with the vehicle ahead), the driver should brake in time.
- When driving on a steep downslope, it may be difficult to keep a proper distance from the vehicle ahead. In these situations, be particularly careful and always be ready to brake. Never use the Intelligent Cruise Control System under heavy load conditions.
- The intelligent cruise control system cannot recognize pedestrians, tricycles and vehicles loaded with irregularly shaped goods or irregular vehicles, also including animals, objects scattered on the road, overturned vehicle, or pedestrians standing next to or behind a vehicle.
- The intelligent cruise control system has difficulty detecting stationary or slowly moving vehicles, and cannot recognise oncoming vehicles. During the use of intelligent cruise control system, drivers should always pay attention to road conditions and vehicle status, and take over the vehicles in time.
- When the intelligent cruise control system is in operation, if the driver depresses the throttle pedal, the vehicle will be taken over by the driver, responding to the acceleration demand of driver. The speed control function of the Intelligent Cruise Control will not work.
- When entering or exiting a curve, the selection of targets may be delayed or interfered with. The Intelligent Cruise Control may cause unexpected braking or delayed braking.
- If the vehicle ahead suddenly brakes, the intelligent cruise control system may fail to respond timely or react too slowly. In such cases, the driver must actively apply the brakes.
- At a sharp turn, such as a serpentine road, the intelligent cruise control system cannot detect the vehicle ahead normally due to the visual field limit of front camera. This may lead to the acceleration of vehicle, requiring the driver to respond appropriately based on actual road conditions.◀

In following situations, the driver must be especially alert:

- When activating intelligent cruise control system while the vehicle is stationary and initiating a start-off procedure, if pedestrians, children, animals, two-wheeled/three-wheeled vehicles, or obstacles are present ahead but remain undetected or unrecognized by the intelligent cruise control system, this may result in a significant collision risk. Before activating Intelligent Cruise Control to

start the vehicle, the driver must first confirm that the area ahead is safe.

- If the left turn signal lamp is turned on when overtaking from the left, the intelligent cruise control system will automatically accelerate the vehicle and shorten the distance to the vehicle ahead. If the vehicle enters the overtaking lane and there is no vehicle ahead, the intelligent cruise control system will automatically accelerate to the set cruise speed.
- The Intelligent Cruise Control cannot detect objects or attached accessories on the target vehicle that protrude beyond its sides, rear, or roof. If the vehicle ahead is equipped with such special loads or devices, be sure to deactivate the Intelligent Cruise Control when overtaking it.
- When driving with a trailer towed, the dynamic characteristics of intelligent cruise control system will be reduced.
- After the system requires the driver to overtake the vehicle, if the vehicle continues to move, the driver must depress the brake pedal to brake.
- Structural modifications to vehicles, such as lowering the chassis height, may affect the functionality of the intelligent cruise control system.◀

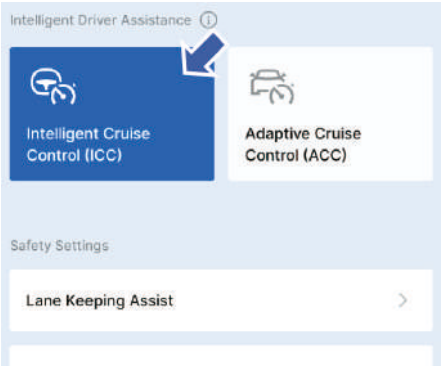
Under the following road conditions, the performance of intelligent cruise control direction-assisted function will degrade or fail to work. The driver should keep alert:

- The intelligent cruise control system is inapplicable to roads with excessively small curve radius.
- The intelligent cruise control system is inapplicable to roads with no visible lane lines.
- The intelligent cruise control system is inapplicable to intersections of roads.
- The intelligent cruise control system is inapplicable to roads with vehicle marks (e.g., tire marks).
- The intelligent cruise control system is inapplicable to roads of which the lanes increase or decrease.
- The intelligent cruise control system is inapplicable to roads that the original lane and the new lane have large difference.
- The intelligent cruise control system may recognize objects on road edges (walls, guardrails, curbstones, grass, greenbelts, asphalt seam joints) as lane lines to work accordingly.
- The intelligent cruise control system is inapplicable to pavements with potholes, bumps, undulations.
- The intelligent cruise control system cannot recognize road signs (cones), so it is not applicable to construction zones.
- The intelligent cruise control system is not designed for roads with extra-wide, ultra-narrow, triangular lane markings, or other non-standard lane line configurations.
- The intelligent cruise control system is inapplicable to roads where the lane lines turn.

- The intelligent cruise control system is inapplicable to bad weather with reduced visibility.◀

- When following a vehicle ahead to pass through an intersection, the intelligent cruise control may cause the vehicle's lateral position to shift due to the driving path of vehicle ahead. This may pose a side collision risk with vehicles driving in adjacent lanes, requiring driver supervision and intervention.
- When driving on a highway or main road entrance, the intelligent cruise control system is not able to execute lane changes at this time and there is a functional degradation due to the change in the road, thus only adaptive cruise control is enabled.
- The Intelligent Cruise Control is unable to work in complex road conditions such as heavily congested road conditions, changing and complex traffic, vehicles or pedestrians crossing, intersections, on-ramps, traffic diversion area, lost lane lines, etc., which require driver supervision and take-over. The Intelligent Cruise Control only provides a comfortable driving experience under suitable road conditions, and the driver bears full responsibility for safe driving.
- When the intelligent cruise control system is active, lightly resting a hand on or making slight adjustments to the steering wheel may cause unintended lane deviation. In such cases, the system will alert the driver through visual, audible, and steering wheel vibration warnings. The driver must remain alert and take appropriate actions to regain over the vehicle.◀

Function Selection



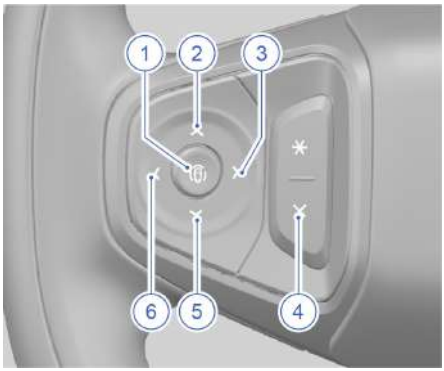
Click the following on the multimedia display in sequence: Vehicle Settings → Driver Assistance → Intelligent Driver Assistance, and select the Intelligent Cruise Control (ICC) function in this interface.

The function can also be selected and set by clicking the intelligent cruise control/ adaptive cruise control button on the multimedia top of the screen.

After selecting Intelligent Cruise Control (ICC) on the multimedia display, if the ICC

function can be activated, the cruise system lateral control status indicator lights up in gray. The function can be activated by pressing the cruise button on the left side of the steering wheel.

Steering Wheel Control



The cruise control buttons are on the left side of the steering wheel.

1. Cruise button: press to activate the Intelligent Cruise Control (ICC).
2. Speed adjustment and cruise resume button:
   - Short press: the cruise speed increases by 5 km/h.
   - Long press: the cruise speed increases by 1 km/h continuously.
   - Press this button to activate or resume the Intelligent Cruise Control (ICC).
3. Headway + button: Short press to increase the headway.
4. Cancel button: exit Intelligent Cruise Control (ICC) system activation status.
5. Speed adjustment button:
   - Short press: the cruise speed decreases by 5 km/h.
   - Long press: the cruise speed decreases by 1 km/h continuously.
6. Headway - button: Short press to decrease the headway.

To activate the intelligent cruise control system, the following conditions must be met:

- The intelligent cruise control system has been turned on.
- The gear is in D.
- The vehicle is in operation.
- Four doors, boot and bonnet are all closed.
- The vehicle is in motion, and the brake pedal is not applied.
- There is not any fault in the brake system.
- The front camera has no problems such as high temperature, dirt or fault.
- The electronic Stability Control (ESC) system is active.
- Electric Parking Brake (EPB) is released.
- The driver fastens the seat belt.
- The Hill Descent Control (HDC) function is turned off.

Activation and Speed Setting

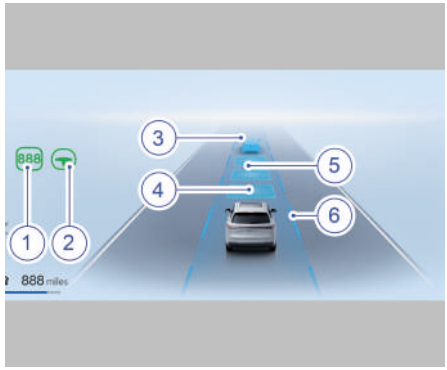
1. When the vehicle is stationary, activate and set the vehicle speed as follows:
   - Select the Intelligent Cruise Control (ICC) on the multimedia display. After the activation conditions are met, the cruise system lateral control status indicator on the instrument cluster display lights up in gray.
   - Depress the brake pedal or activate AUTO HOLD function.

- Press the cruise button or speed adjustment and cruise resume button to activate the intelligent cruise control system; At this time, the set cruise speed is 30 km/h, and the cruise system lateral control indicator on the instrument cluster display lights up in white.
- When the brake pedal is released, the intelligent cruise control system can continue to keep the vehicle stationary.
- The driver needs to press the speed adjustment and cruise resume button again or depress the throttle pedal to make the intelligent cruise control system control the vehicle to start.
- The intelligent cruise control system controls the vehicle according to the set cruise speed.

2. When the vehicle is in motion, activate and set the vehicle speed as follows:
   - Select the Intelligent Cruise Control (ICC) on the multimedia display. After the activation conditions are met, the cruise system lateral control status indicator on the instrument cluster display lights up in gray.
   - Press the cruise button or the speed adjustment and cruise resume button to activate the intelligent cruise control system; the cruise system lateral control status indicator on the instrument cluster display lights up in green. When the vehicle speed is below 30 km/h, the set cruising speed is 30 km/h; when the vehicle speed is between 30 km/h and 150 km/h, the set cruising speed is the current vehicle speed.
   - The intelligent cruise control system controls the vehicle according to the set cruise speed.
3. Push the speed adjustment button or the speed adjustment and cruise resume button to set the desired cruise speed.

Instrument Cluster Information

During cruising, as the relative vehicle speed changes, the instrument cluster will display different states of distance from the vehicle ahead to own vehicle to remind the driver.



1. Setting speed
   The indicator lights up in gray when the intelligent cruise control system is not activated; green when the intelligent cruise control system is activated.
2. Cruise control system lateral control status indicator
   The indicator lights up in gray when the intelligent cruise control system is not activated; green when the intelligent cruise control system enables both cruise control and lane centering assist control; white when the cruise control

system lateral control is temporarily unavailable.

3. Vehicle ahead
   The indicator lights up in gray when the intelligent cruise control system is not activated; blue when the intelligent cruise control system is activated; yellow when the intelligent cruise control system is activated and the distance is too close to the vehicle; red when the distance between the two vehicles is too close and the driver needs to take the initiative to overtake; gray when the driver is depressing the throttle pedal to control the vehicle.
4. Headway
   It is divided into three levels: near, medium and far. Every time the vehicle starts, the system will remember the settings selected by the driver.
5. Lane underline
   It is displayed in dark-color when the intelligent cruise control system is not activated; and it is highlighted when the intelligent cruise control system is activated.
6. Lane lines
   When the system does not detect the lane line, there is no lane line display; gray or white when the intelligent cruise control system is not activated; blue when the intelligent cruise control system is activated; red when the vehicle deviates from the lane and the lane departure warning is triggered.

In addition, if ACC or ICC has not been activated during this power-on cycle, and the vehicle speed is below 30 km/h, the set cruising speed displayed in the instrument cluster is 30 km/h. When the speed of the vehicle is 30-150 km/h, the set cruising speed changes with the speed in the instrument cluster. When the speed of the vehicle is above 150 km/h, the set cruising speed displayed in the instrument cluster is 150 km/h.

The driver must keep sufficient braking distance from the vehicle ahead, and be aware of relevant requirements of local highway traffic regulations on the minimum distance or the shortest time. It is the driver's responsibility to abide by the law.◀

Offset Control

For vehicles with offset control function, when the intelligent cruise control system is activated and the vehicle is about to overtake a truck, trailer or other large vehicles ahead, the system controls the vehicle to actively move away from the large vehicle in the lane. After overtaking a certain distance, it controls the vehicle to return to the middle of the lane again, and this process requires no driver intervention.

This function can only be activated automatically when the speed reaches more than 50 km/h, and the driver should always hold the steering wheel with both hands and concentrate on driving.◀

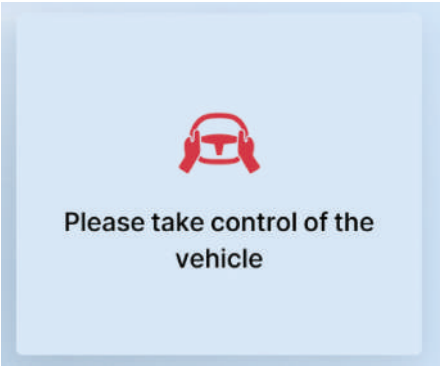
Hands-off Alert

You need to keep your hands on the steering wheel when the Intelligent Cruise Control is activated. If no hands are detected on the steering wheel for an extended period, a relevant reminder

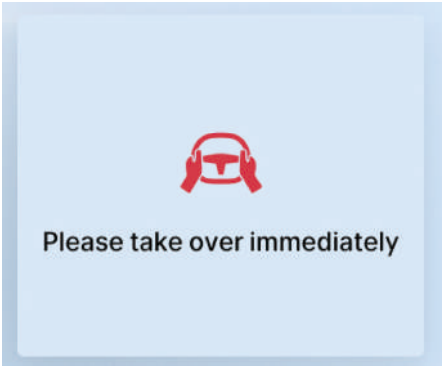
message will appear on the instrument cluster display.

When both hands are detected, the relevant reminder information displayed on the instrument cluster will disappear, and the intelligent cruise control system resumes normal operation.◀

If the system detects that the driver remains in a hands-off state for a prolonged period, it triggers a Level 1 hands-off alert.



After that, if the system detects that the driver's hands remain off the steering wheel for a prolonged period, it triggers a Level 2 hands-off alert.



If the function detects that the driver remains in a hands-off state for a predefined duration after a Level 2 hands-off alert has been triggered, the intelligent cruise control function will activate the hazard warning lights and decelerate the vehicle to a stop within the current lane. The function will then deactivate and both longitudinal and lateral control are not available until the driver activates the system.

- In roads with potholes, protrusions, and ups and downs, the hands-off warning may be delayed or interrupted.
- Lightly holding the steering wheel for an extended period may lead to a false hands-off alarm.◀

When the vehicle speed is lower than 10 km/h, the hands-off alarm function is not activated.◀

Ending Intelligent Cruise Control

The following methods can be used to deactivate the intelligent cruise control function:

- Depress the brake pedal to deactivate the intelligent cruise control system.

- Press the cancel button to deactivate the intelligent cruise control system.

The intelligent cruise control relies on other systems to work, such as the Electronic Stability Control (ESC). If either of these systems stops working, the intelligent cruise control will be auomatically turned off.

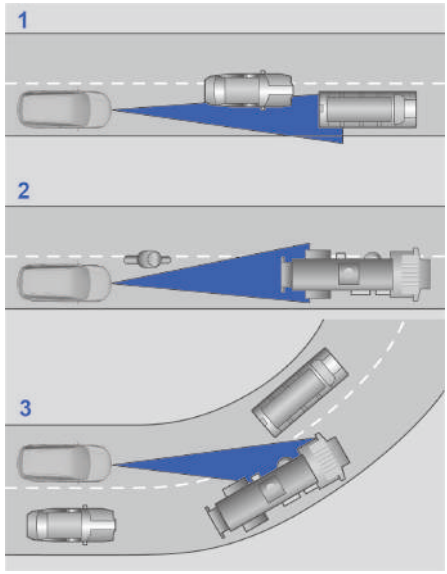
In case of automatic deactivation, a sound signal is given and the instrument cluster display shows a text message. The driver must intervene to match the speed of and the distance to the vehicle ahead.

The intelligent cruise control system may be disabled for reasons including but not limited to:

- Any door, bonnet or boot door is opened.
- Driver seat belt is unfastened.
- The wheels lose road holding.
- The brake system performance is degraded or faulty.
- The parking brake is applied.
- The front camera is covered by wet snow or rain.
- The Electronic Stability Control (ESC) system is functioning or turned off.
- Hill Descent Control (HDC) function is turned on.

System Limitations

The detection range of the front camera is limited, and in some cases, it may not detect vehicles or there may be a delay in detecting them.



Detection problems may occur in the following situations:

1. Vehicles move slowly along the driver's lane. The system can only detect the vehicle that has fully entered the driver's lane.
2. When the vehicle ahead is a large truck, the time of detecting the vehicle may be delayed.
3. When the driver enters or exits a curve on the road, detection problems related to the vehicle ahead may occur.

Under such circumstances, the driver should keep alert. Take emergency measures and temporarily disable the intelligent cruise control system if necessary.

The detection capability of the front camera is limited. In some cases, the front camera may not be able to accurately determine the lane line and is vulnerable to environmental interference.

Lane line detection problems may occur in the following situations:

1. The camera may not be able to recognize special lane lines such as triangular and herringbone lane lines, which may affect the performance of the function.
2. The lane lines are not paved to state standards and are not recognizable.
3. The lane lines have low visibility and contrast and cannot be recognized.
4. The surface of the lane lines is covered with sand, water, snow, etc. and cannot be recognized.
5. The wheel marks from vehicles ahead in rainy or snowy days, and wheel marks caused by braking operation of vehicles ahead may be recognized as lane lines due to the high contrast.
6. The road dividers, curbs, etc., may be recognized as lane lines.
7. Continuous lane line-like projections on a road, such as the shadow of a railing, may be recognized as lane lines.

Function switching

The system will automatically switch the intelligent driving functions based on the current road conditions. When the conditions for the intelligent cruise control are not met, it will downgrade to adaptive cruise control function.

The currently activated intelligent driving function can be viewed through the instrument cluster.

When any of the following situations (- including but not limited to) occurs, it will be downgraded to the adaptive cruise control function:

1. Confused lane lines or incorrect lane line type.
2. Unclear lane lines on both sides or missing lane lines.
3. When driving on sharp curves or continuous curves.
4. The driver actively turns the steering wheel.

After the intelligent cruise control function is activated, a white or gray intelligent cruise control indicator and a green cruise speed value are displayed on the instrument cluster, indicating that only adaptive cruise control can be activated, and the vehicle cannot be kept within the lane.◀

Lane Keep Assist (LKA)

The lane keep assist system can recognise lane lines, pedestrians, curbs, front/rear incoming vehicles, and calculate the distance from the vehicle to the left/right lane line and front/rear incoming vehicles via front camera and rear side medium-range radar when the vehicle speed is high than 65 km/h. When the vehicle deviates from the lane or is about to collide with pedestrians, vehicles in the adjacent lane, the system will give a corrective assist force to prevent the lane deviation, mitigate or avoid collision, or remind the driver to keep the vehicle in the lane. the lane keep assist system consists of Lane Keep Assist, lane departure warning, and lane keeping emergency assist.

When the vehicle is powered on, the lane keep assist system will start self-check, and the system function is not available at this stage.◄

Ensure the surface of the forward-facing camera is clean. The performance of lane keep assist system may be affected by factors such as a dirty front camera, bad weather conditions and fading lane lines.◄

The lane keep assist system is only suitable for use on expressways and main urban roads, and the driver needs to concentrate on driving the vehicle. When using Lane Keep Assist, hold the steering wheel and keep an eye on the road and surrounding traffic. Do not use this feature on city streets, construction areas, narrow roads, or road sections where cyclists or pedestrians may be present. It is strictly forbidden to rely on the lane keep assist system to determine the appropriate driving route. Be sure to take measures at any time and in a timely manner. Failure to follow these instructions can result in serious property damage and personal injuries or even death.◄

When the electronic stability control system (ESC) is off, the lane departure prevention (LDP) and emergency Lane Keep Assist (ELKA) cannot work.◄

Function Types

Lane Departure Warning (LDW)

Lane Departure Warning (LDW) warns the driver when the vehicle deviates from the lane unconsciously. Unconscious lane departure includes departure that has already occurred and the imminent lane departure.

Lane Departure Prevention (LDP)

When the vehicle approaches a lane line and there is a risk of deviation, the Lane Departure Prevention (LDP) assists the driver to control the vehicle back to the lane by applying torque to the steering wheel.

Emergency Lane Keep Assist (ELKA)*

Emergency Lane Keep Assist (ELKA) can help the vehicle back to its own lane in the following situations:

- The vehicle is about to rush out of the road or collide with the edge of roads.
- Unintentional deviation from the lane and there may be a collision with the opposite vehicle.
- Unintentional deviation from the lane and there may be a collision with the rear vehicle (applicable only to models

equipped with rear side medium-range radars).

- Unintentional deviation from the lane and there may be a collision with the pedestrians in the adjacent lane.

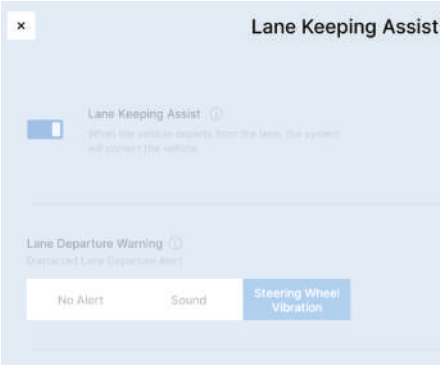
ELKA cannot cope with all situations under all kinds of traffic, weather and road conditions.◀

This function cannot detect fences, railings or similar obstacles on the roadside.◀

ELKA is only enabled when a high risk of collision exists, so do not wait for this function to intervene.◀

The driver shall always keep their attention and judgment to ensure vehicle travels safely, keeps a proper distance from other vehicles, and adheres to current traffic laws and regulations.◀

Function Selection



Click the following on the multimedia display in sequence: Vehicle Settings → Driver Assistance → Safety Settings → Lane Keep Assist, and then enable or disable lane departure prevention and emergency lane keeping assist in the interface; No warning, sound and steering wheel vibration setting are available for lane departure warning system.

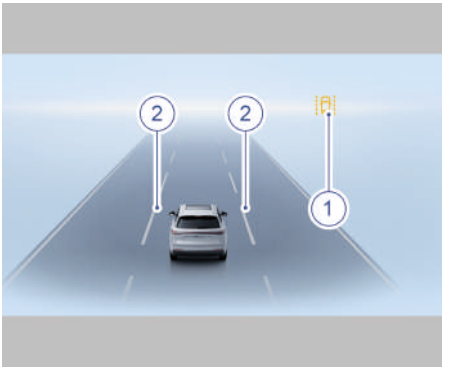
When either Lane Departure Warning (LDW) or Lane Departure Prevention (LDP) is enabled, the Lane Keep Assist (LKA) OFF indicator on the instrument cluster display does not turn on.

The lane keeping assist and lane keeping emergency assist switches are activated by default each time the vehicle is powered on. The lane departure warning function remembers the status selected by the driver last time. If the previous selection was "No Alert", it will default to "Steering Wheel Vibration" upon the next power cycle.◀

Display of Lane Keep Assist System

The curvature of lane line may be detected inaccurate due to limited sensor performance, e. g., straight road is displayed as curved road.◀

The lane keep assist system will display the information of system working status on instrument cluster.



When the lane departure warning or lane departure prevention is activated, the Lane Keep Assist (LKA) off indicator 1 does not turn on. When the lane keep assist system has any fault, the Lane Keep Assist (LKA) fault warning light lights up in yellow. When any of the lane departure warning and lane departure prevention is turned off, the Lane Keep Assist (LKA) OFF indicator turns on in yellow and displays “OFF”.

When the lane keep assist system does not detect the lane lines, the lane line 2 are not displayed.

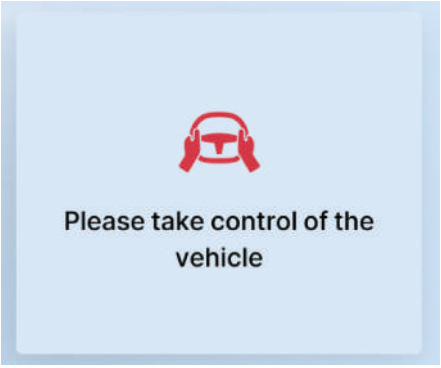
When lane keep assist system is not activated, the lane line 2 are displayed in grey.

When lane keep assist system is in standby status, the lane lines 2 on both sides are displayed in white.

When the lane departure warning system is activated, the lane lines 2 on the corresponding side are displayed in red.

When Lane Departure Prevention (LDP) is activated, the lane lines 2 on the corresponding side are displayed in blue.

Hands-off Warning



When the lane keep assist system is activated, the driver should always hold the steering wheel with both hands. If the system does not detect hands on the steering wheel when Lane Keep Assist is activated for the first time, there will be a visual reminder in the instrument cluster, such as turning the lane line blue. If the Lane Keep Assist is activated again in the next period of time, and the system still does not detect the driver’s hands on the steering wheel, the system requests and gives an audible warning, and displays relevant reminder on the instrument cluster.

When both hands are detected, the reminder displayed on the instrument cluster will disappear.◀

Abnormal tyre pressure, incorrect wheel alignment parameters, inconsistent tyres and incorrect tyre model, etc., may result in abnormal performance of Lane Keep Assist system. The driver shall use the assist system when the vehicle is in normal condition.◀

System Limitations

Under the following road conditions, the lane keep assist system performance will degrade or it fails to work. The driver should keep alert:

- The lane keep assist system is inapplicable to roads with heavy snow.
- The lane keep assist system is inapplicable to roads with excessively small curve radius.
- The lane keep assist system is inapplicable to roads with no visible lane lines

- The lane keep assist system is inapplicable to intersections of roads.
- The lane keep assist system is inapplicable to roads with vehicle marks (e.g., tire marks).
- The lane keep assist system is inapplicable to roads of which the lanes increase or decrease.
- The lane keep assist system is inapplicable to roads that the original lane and the new lane have large difference.
- The lane keep assist system is inapplicable to pavements with potholes, bumps, undulations.
- The lane keep assist system cannot recognize road signs (cones), so it is not applicable to construction zones.
- The lane keep assist system is not designed for roads with extra-wide, ultra-narrow, triangular lane markings, or other non-standard lane line configurations.
- The lane keep assist system is inapplicable to zigzag pavements.
- The lane keep assist system is inapplicable to bad weather with reduced visibility.
- The field of view of the front camera and the rear side mid-range radar cannot be obstructed by pollutants. Especially, when it's completely covered by snow, the lane keep assist system will deactivate and notify the driver via a message on the instrument cluster display.
- The installation of front camera, front medium-range radar (if equipped) and rear side medium-range radar may be affected by vibration or impact, which will degrade the system performance. At this time, it is necessary to recalibrate the front camera and rear side medium-range radar.

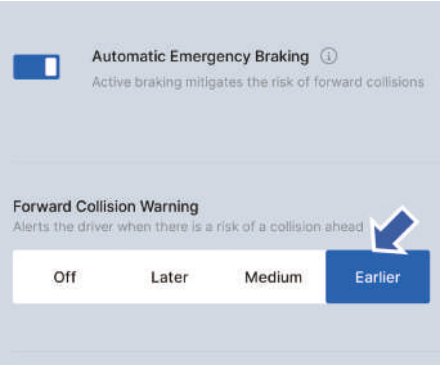
Collision Mitigation Support Front (CMSF)

The collision mitigation support front system can warn the driver of pedestrians, cyclists and vehicles through sound, images and braking. The system assists the driver by taking steps to avoid or mitigate a collision when the driver brakes too late, applies too little braking force or does not brake at all.

When the vehicle is powered on, the collision mitigation support front system will start self-check. The system is not available at this stage.◀

- This function is auxiliary and cannot cope with all weather and road conditions.
- The driver is recommended to read all the chapters related to this function in this manual to understand the factors such as function limitation and all the knowledge required before the use of this system.
- The collision mitigation support front system cannot replace the attention and judgment of driver. The driver is always responsible for maintaining proper speed and distance, and complying with traffic laws and regulations.
- No system can guarantee to operate 100% properly under any circumstances. Therefore, please do not drive the vehicle towards people or objects for the purpose of testing the performance of the CMSF. Otherwise, accidents may occur and result in casualties.
- For safety reasons, the system is inactive if the driver is not wearing a seat belt.
- Typically, the CMSF system operates discreetly in the background without driver awareness. When the system identifies a potential hazard, it issues warnings or initiates braking to protect occupants. Due to system performance limitations, false activations may occur. Drivers must always remain fully attentive to the surrounding environment. To minimize false activations, brake intervention may occur slightly later than intended. Drivers must respond promptly and should not rely solely on the driver assistance function.
- The system will not react to animals, small vehicles (such as tricycles), vehicles with irregular appearance, cyclists, oncoming and crossing vehicles.
- For the effective targets recognised by the system, due to different vehicles, pedestrians, cyclists, scenes and road conditions, the system cannot always achieve the same performance.
- The function will not be activated when the vehicle is driving at low speed.◀

Function Settings



The collision mitigation support front is a safety system, and the function is enabled by default every power-on cycle.

When the CMSF fails, the fault warning light of the Collision Mitigation Support Front (CMSF) on the instrument cluster lights up, the driver should contact PROTON e.MAS service outlet for maintenance as soon as possible.◀

Click the following on the multimedia display in sequence:
Vehicle Settings → Driver Assistance → Safety Settings → Pre-collision Assist, and set the alarm timing in the forward collision warning setting interface. When no alarm is selected, the alarm timing will automatically return to normal the next time the vehicle is powered on.

The alarm timing for forward collision warning is divided into four levels: off, later, moderate and earlier.

Off: no alarm is required.

Later: the alarm distance is close and the alarm time is relatively late.

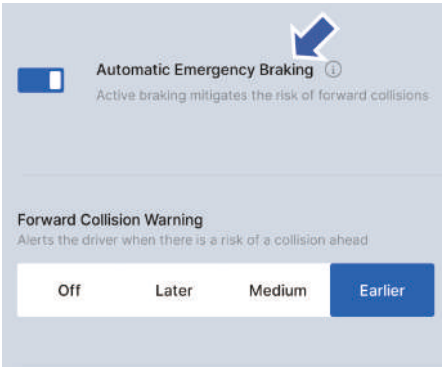
Medium: the alarm distance is moderate and the alarm time is between earlier and later.

Earlier: the alarm distance is far and the alarm time is relatively early.
If the driver considers that the alarms are too frequent, a low alarm sensitivity can be selected, thus reducing the total number of alarms.

Function Composition

The system will assist the driver in the following ways when it judges that a danger will occur:

- Safety Distance Warning
  The safety distance warning function is active in non-emergency situations. It is used to alert the driver that the distance from the vehicle ahead is too small when the vehicle speed reaches 65 km/h and above. At this time, the drivers should adjust their driving behavior and maintain a reasonable distance.
- Forward Collision Warning (FCW)
  When the vehicle speed reaches 30 km/h or above, the system determines that there is a potential risk of collision and will alert the driver through alarm sounds, alarm pictures displayed on the instrument cluster, short braking, etc.
- Dynamic Braking Support (DBS)
  When the vehicle speed reaches 4 km/h or above, if the current braking force is too small when a dangerous situation occurs, the system will assist the driver to increase the braking force to avoid or reduce the collision.
- Automatic Emergency Braking (AEB)



Click the following on the multimedia display in sequence:
Vehicle Settings → Driver Assistance → Safety Settings → Pre-collision Assist, and then enable or

disable the Automatic Emergency Braking function in this interface.

If the driver fails to brake effectively when a dangerous situation occurs, the system will perform automatic emergency braking in a timely manner to avoid or reduce a collision. Automatic emergency braking can reduce speeds by up to 60 km/h.

Function Activation

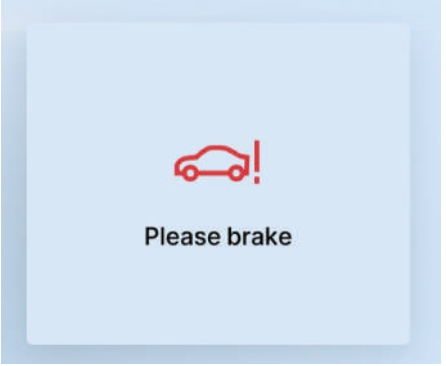
Vehicle Speed during CMSF Operation

The target ahead is a vehicle: the CMSF system is active when the vehicle speed is between 4 and 150 km/h. If it exceeds this range, the CMSF system is inactive.

The target ahead is a pedestrian or a two-wheeled vehicle: the CMSF system is active when the vehicle speed is between 4 and 90 km/h. If it exceeds this range, the CMSF system is inactive.

The forward collision warning function alerts the driver to react promptly through sound and images on the instrument cluster, as well as short braking, when it detects a collision risk, reducing the collision risk. If the driver's braking force is insufficient or no braking is applied, the dynamic braking support or automatic emergency braking will actively intervene to mitigate or avoid a collision, displaying images and text prompts on the instrument cluster along with a sound alarm.

Collision Mitigation Support Front



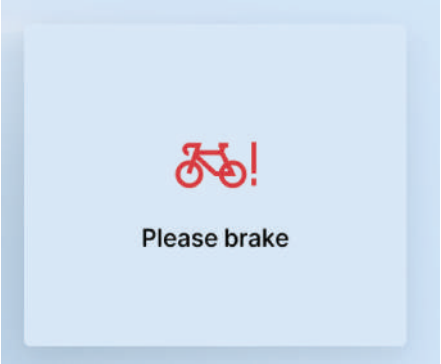
The forward collision mitigation assist helps avoid or mitigate collisions with other vehicles. It is primarily designed for rear-end collision scenarios when traveling straight.

The forward collision warning function will alert the driver to react in time through sound, pictures on the instrument cluster and short braking when a collision risk is detected, reducing the risk of collision.

Pedestrian Collision Mitigation Support

Pedestrian collision mitigation support can avoid or mitigate collisions with pedestrians. Main application scenario: pedestrians crossing the road.

Cyclist Collision Mitigation Support



The cyclist collision mitigation assist is designed to prevent or mitigate collisions with cyclists. Primary application scenarios: cyclist crossing/rear-end scenarios.

Obstacle Detection

The Collision Mitigation Support Front (-CMSF) can detect such obstacle targets as passenger vehicles, trucks, buses and other vehicles as well as pedestrians and cyclists.

Vehicles

The Collision Mitigation Support Front (-CMSF) can detect most vehicles that are stationary or driving in the same direction as the vehicle.

Vehicles within a certain range can be detected at night only when the front combination lights are normally illuminated.

Pedestrians

The best working effect can only be achieved when the system detects accurate information about the body shape of pedestrians. This means that the system can be combined with standard human movement patterns to clearly identify information about the person's head, arms, shoulders, thighs, upper body, lower body, etc.

The system can detect pedestrians in contrast to the background, for example, the colour of the pedestrian's clothing contrasts with the colour of the surroundings.

If the contrast is low, pedestrians are detected late or not at all, which means that warnings and braking are delayed or not possible.

The clothing worn is difficult to recognise as a body outline if the pedestrian is partially obscured. As a result, the system will not accurately detect pedestrians if they are less than 0.8 metres tall or if they are carrying larger objects, which means that the brake will not be possible.

Cyclists

The cyclist must be an adult and the vehicle must be designed for adults. The best working effect can only be achieved when the system detects accurate information about the contours of the human body and bicycle. This means that the system can be combined with standard human movement patterns to clearly identify information about the bicycles, head, arms, shoulders, thighs, upper body, lower body, etc.

If the cyclist is partially obscured, the background contrast is poor, or the bicycle is carrying large cargo, the system will not accurately detect cyclists, which means that the brake will not be possible.

Function Limitation

The collision mitigation support front system may be limited in some cases.

Surroundings

- Strong sunlight, reflect light, and extreme light contrasts may make it difficult for drivers to see visual warning signals and may also affect the detection function of the front camera.
- The brake distance becomes longer on wet roads, which reduces the anti-collision performance of the CMSF.
- If the passenger compartment temperature is very high, the front camera may be temporarily turned off and the system may not issue a warning.
- Under complex driving conditions, the system may initiate unnecessary braking, such as at construction sites, railroad tracks, manhole covers, underground garages, or when encountering spray or splashing water ahead of the vehicle.◀

View of Front Camera

- The detection of the front camera may be affected in certain scenarios, such as roads with guardrails, driving through tunnels, vehicles entering or exiting ahead, or on sharp curves.
- In some cases, the view of front camera is limited. The system may detect vehicles, pedestrians or cyclists later than expected, or fail to detect them at all.
- The performance of the automatic emergency braking may be reduced or even unavailable when the front camera is obscured or the front camera function is limited.
- The headlights and taillights must be turned on and particularly bright to ensure that the vehicle can be detected at night.
- The alarms and brake interventions for pedestrians and cyclists are turned off at speeds above 90 km/h.◀

Driver Intervention

- If the driver operates the accelerator pedal or makes a steering intervention during the automatic emergency braking process, the system will be inactive even if a collision cannot be avoided.
- The driver needs to apply greater force to the brake pedal during the automatic emergency braking process.
- The system is not in use when reversing.◀

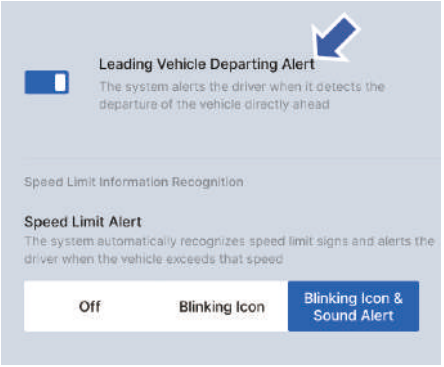
Leaving Vehicle Departing Alert (LVDA)

The Leading Vehicle Departing Alert (LVDA) function monitors the status of the vehicle ahead through a front camera. When a vehicle in front is detected and that vehicle moves a certain distance away, the system will alert the driver through text and sound that the vehicle ahead is departing if the following vehicle does not follow or the driver does not initiate movement.

LVDA is only an assistance system and cannot replace the driver's observation and judgment of traffic conditions. In all circumstances, the driver must always maintain control of the vehicle and bear full responsibility for vehicle operation. Driving must comply with laws and regulations. Failure to do so increases the risk of accidents and may result in casualties.◀

If the camera is unable to detect the vehicle ahead, the LVDA function will not work.◀

Function Activation/Deactivation



Click the following on the multimedia display in sequence: Vehicle Settings → Driver Assistance → Safety Settings → Intelligent Reminder, and then enable or disable the front departure alert function in this interface.

System Limitations

Under the following scenarios, FDA may not be activated, including but not limited to:

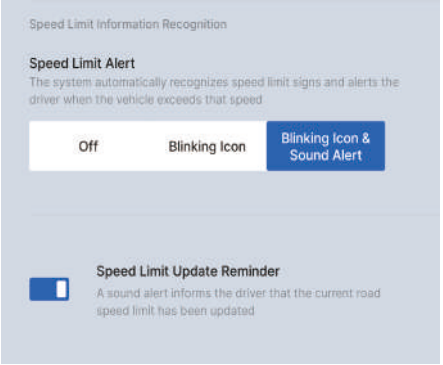
- There are pedestrians, bicycles, motorcycles, etc. in front.
- There are no vehicles in front.
- The gear is not in D.
- The vehicle ahead is at a considerable distance from own vehicle.
- The stopping period for the vehicle ahead and own vehicle is short.
- The front camera is obscured or when the front camera function is limited.◀

Traffic Sign Recognition (TSR)

The Traffic Sign Recognition (TSR) obtains the information on road traffic signs such as speed limit signs and various prohibitory signs via front camera and map information, and prompts the driver of current road sign information via the meter instrument in real time. If the vehicle speed exceeds the speed limit value of the current road, the system will give an alarm in time to assist the proper driving of the driver.

When the vehicle is powered on, the traffic sign identification system will start self-check, and the system function is not available at this stage.◀

Speed Limit Information Recognition



Click the following on the multimedia display in sequence: Vehicle Settings → Driver Assistance → Safety Settings → Intelligent Reminder → Speed Limit Information Recognition, then set the speed limit alarm method in the intelligent reminder interface.

Display of speed limit sign

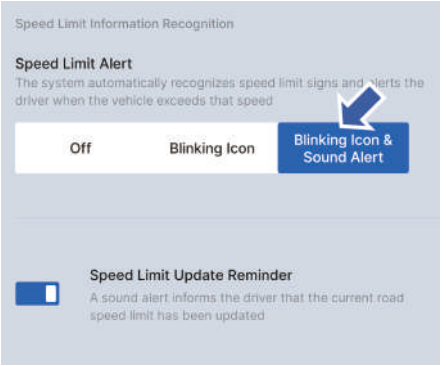
The speed limit sign is displayed when the vehicle passes its location and remains visible until the next speed limit sign is encountered, at which point the display updates to the new limit.

If the road speed limit sign is unclear, distorted, inclined, irregular, partially blocked or covered, etc., the recognition of front camera will degrade, resulting in misrecognition or lack of recognition.◀

When the map data is not updated or the positioning is inaccurate, the speed limit sign information ahead may not be displayed or the displayed speed limit information may be inaccurate.◀

In case of other non-standard signs and positions, it may be identified as speed limit signs, resulting in misrecognition. When vehicle positioning is affected, auxiliary road speed limit signs may be displayed when driving on the main road.◀

Speed Limit Alarm



Click the following on the multimedia display in sequence: Vehicle Settings → Driver Assistance → Safety Settings → Intelligent Reminder → Speed Limit Information Recognition, then select the alarm mode in the Speed Limit Alarm interface.

OFF: the instrument cluster only displays the speed limit sign.

Blinking Icon: The speed limit sign in the instrument cluster blinks.

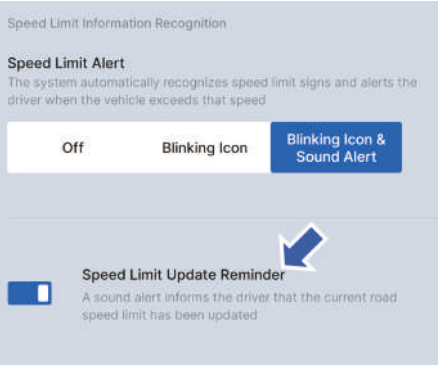
Blinking Icon & Sound Alert: the speed limit sign on the instrument cluster blinks accompanied by a sound alert.

Speed Limit Alarm

An alarm is triggered when the vehicle speed exceeds the speed limit recognized by the system. The alarm is cancelled when the vehicle speed is lower than the speed limit recognized by the system.

The speed limit alarm function only serves as a speed limit reminder. The driver shall actively control the vehicle speed.◄

Speed Limit Update Reminder



Click the following on the multimedia display in sequence: Vehicle Settings → Driver Assistance → Safety Settings → Intelligent Reminder → Speed Limit Information Recognition, and then enable or disable the Speed Limit Update Reminder function in this interface.

Traffic Sign Detection

Currently, this function can only recognise and display some road sign information on the instrument cluster display to assist the driver. Recognizable road sign information includes: Children Crossing, Road Construction signs, etc.

- The traffic sign detection function is affected by the field of view of the front camera, the relative position between the front camera and the speed limit sign, etc. The traffic sign may be incorrectly identified or not identified, so do not rely on this function to determine the driving mode.
- If the road speed limit sign is unclear, distorted, inclined, irregular, partially blocked or covered, etc., the recognition ability of front camera will degrade, resulting in misidentification or identification failure.
- When vehicle positioning is affected, auxiliary road traffic signs may be displayed when driving on the main road.
- In case of other non-standard signs and positions, it may be identified as traffic signs, resulting in misidentification. ◀

Radar Side-Rear Assist System*

The system detects the rear side of the vehicle based on the rear side medium-range radars on both sides of rear bumper, to realise Lane Change Assist (LCA) (-including blind spot detection function), Rear Collision Warning (RCW), Door Opening Warning (DOW) and Rear Cross Traffic Alert (RCTA).

When the vehicle is powered on, the rear side radar assist system will start self-check, and the system function is not available at this stage. ◀

Click the following on the multimedia display in sequence: Vehicle Settings → Driver Assistance → Safety Settings → Pre-collision Assist and enable or disable the functions as demand in this interface. The state of all function switches remains as the previous setting.

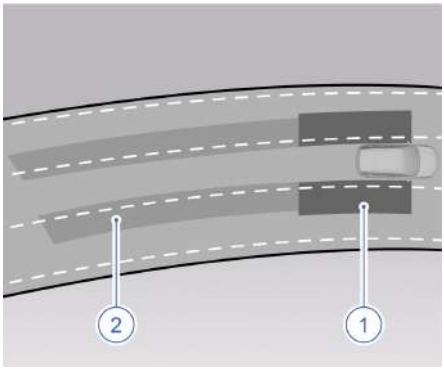
The system will prompt the driver of driving safety via the on/flashing of blind spot detection indicator on the exterior rearview mirror, instrument cluster prompt, sound alarm, flashing of hazard warning light, etc.

When the vehicle is powered on, the blind spot detection indicator on the instrument cluster display lights up in green, and the system works normally. There is a malfunction when the blind spot detection fault warning light lights up in red.

- Please keep both sides of the rear bumper surface clean.
- This system is only for driver assist, and it cannot replace the driver's responsibility for safe driving.
- Do not dismantle or exchange the rear side medium-range radar.◀

Lane Change Assist (LCA)

The lane change alert function covers the blind spot and the rear area with fast approaching vehicles, to assist and alert the driver against blind spots and rear vehicles when driving, especially when turning or changing lanes. The lane change safety warning function works within the speed range of 15 ~ 150 km/h.



1. Blind spot
2. Area with fast approaching vehicles

When the alarm condition is met, the blind spot detection indicator light on the exterior rearview mirror lights up or flashes. If the indicator and sound warning function are turned on in advance in the multimedia display, the system will also give a sound warning.

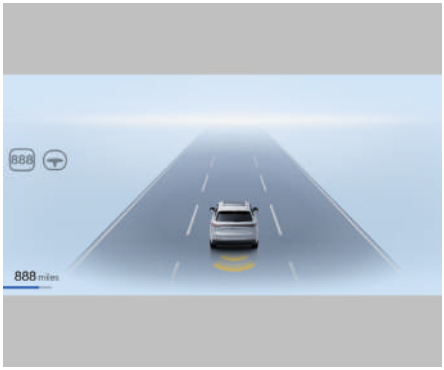
In the following situations (including but not limited to), the performance of the lane change assist function may be reduced or the system may not function properly, for example:

- Bad weather such as rain or snow.
- For smaller targets (pedestrians, bicycles, etc.).

- For stationary targets (vehicles, pedestrians, etc.).
- When driving on sharp bends and slopes.

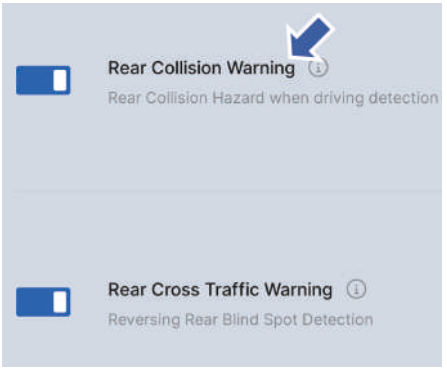
Rear Collision Warning (RCW)

The rear collision warning function can monitor the targets behind the vehicle. When a vehicle is detected quickly approaching behind, the hazard warning light turns on to remind the rear vehicle to slow down or keep a safe distance. When the vehicle is stationary and a rear-end collision risk is detected, the Neutral (N)/ Park (P)/Drive (D) may trigger the brake (not trigger only when in Reverse (R)) to reduce the risk of slipping forward for the vehicle involved in rear-end collision and avoid secondary collision between the driven vehicle and the vehicle ahead.



The rear collision warning function works when the gear is in N/P/D gear and the vehicle does not slip backwards. The detection of the rear approaching targets includes the following targets:

- Four-wheeled vehicle
- Two-wheeled vehicle



In the following situations (including but not limited to), the performance of the rear collision warning function may be reduced or the system may not function properly, for example:

- The relative speed between the rear vehicle and the driven vehicle is too high or too low.
- The rear vehicle approaches after changing lanes from other lanes.
- For smaller targets (pedestrians, bicycles, etc.).
- Bad weather such as rain or snow.
- When driving on sharp bends and slopes.

The rear collision warning function cannot avoid collision. The driver should pay attention to the warning and take actions accordingly for safe driving.◀

Door Opening Warning (DOW)

When the vehicle is stationary or at low speed, the rear side middle-range radar detects the approaching movable targets at the rear side. When a potential collision risk exists to open the door, the blind spot detection indicator on the exterior rearview mirror lights up or flashes and gives a sound

warning to remind the driver of the risk to open the door.

The door opening warning function mainly detects the following targets:

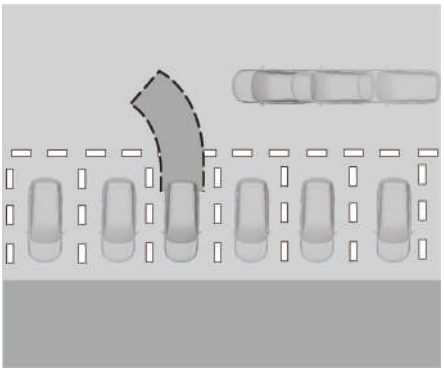
- Four-wheeled vehicle
- Two-wheeled vehicle
- Running pedestrians

In the following situations (including but not limited to), the performance of the door opening warning function may be reduced or the system may not function properly, for example:

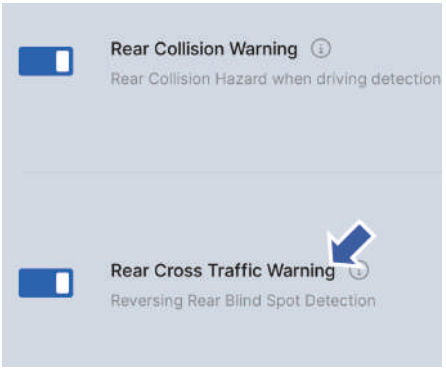
- Bad weather such as rain or snow.
- The relative speed between the rear vehicle and the driven vehicle is too high or too low.
- The rear vehicle approaches after changing lanes from other lanes.
- In sharp turns, ramps and other scenes.
- For smaller targets (pedestrians, bicycles, etc.).

After the vehicle is powered off for 3 minutes or the vehicle is locked and powered off, the door opening warning function stops working.◀

Rear Cross Traffic Alert (RCTA)



The rear cross traffic alert function uses rear-side medium-range radars to detect approaching objects. When a potential collision is detected with vehicles, motorcycles, bicycles or pedestrians approaching from the rear, the warning light of the corresponding side rearview mirror remains on or flashes, accompanied by an audible alert. At the same time, red warning waves will be displayed on the surround view monitor interface to clearly and accurately convey the warning and warn of potential danger.



This function operates when the vehicle is in R gear or N gear and rolling. When a possible collision is detected, the rear cross traffic alert function will provide the driver with light (blind spot detection indicator light on the exterior rearview mirror, hazard prompt on the multimedia display) and sound (hazard warning sound from the speaker) alarms to warn the driver of the collision risk while continuing to reverse.

Parking Assist System

The parking assistance system detects obstacles in front of and behind the vehicle through radar sensors and provides distance prompts to the driver via sounds and alarm color blocks indicating the distance between the vehicle and the obstacles.

Front parking radar*

The parking assist system radar sensors on the front bumper can detect objects up to 0.7m away from the front of the radar.

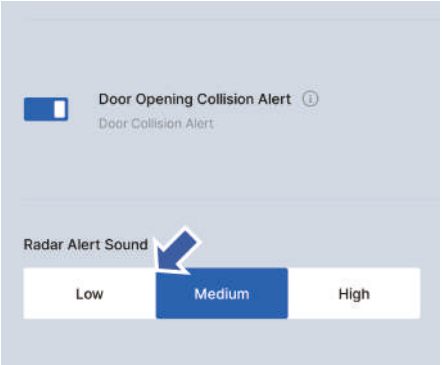
Rear parking radar

Park assist system radar sensors in the middle of the rear bumper can detect barriers up to 1.5m from the rear of the vehicle.

The parking assist system cannot replace the driver's visual observation.

- The parking assist system cannot detect objects below the bumper or vehicle, or objects too close or far away from the vehicle.
- The parking assist system may not be able to detect children, pedestrians, cyclists or pets.
- The parking assist system cannot detect tiny objects.
- If you do not pay attention to the surrounding conditions of the vehicle during parking, it may cause serious casualties and property damage. Even if the vehicle is equipped with a parking radar system, the driver must carefully observe whether there are obstacles before parking.◀

Alarm volume setting



Click the following on the multimedia display in sequence: Vehicle Settings → Driver Assistance → Safety Settings → Pre-collision Assist, and then select the Radar Sensor Volume in this interface. The three optional alarm volumes are low, medium and high.

How the System Works

When the park assist system works and obstacles enter the detection range, the detection results will be displayed on multimedia display in colour blocks, with corresponding audio alerts. The beep sound indicates that there is an obstacle in front of the vehicle (if equipped with front parking radar) or behind the vehicle. The closer the vehicle gets to the obstacle, the more rapid the beep sound becomes. When the distance is less than 30 cm, a continuous beep sound will be heard and "Please stop" will be prompted on the multimedia display.

Due to environmental factors, the detection performance of radar sensors of parking assist system may be degraded in hot, extremely cold or humid weather.◀

When the System Cannot Work Normally

Please be aware that the radar sensor of parking assist system may not alarm or may give wrong alarms under the following conditions:

Situations where obstacles cannot be detected

- Net-shaped barriers like iron wires, mooring ropes or nets.
- Low barriers like stone, wood blocks, etc.
- Vehicles with a high chassis.
- Soft objects like snow, cotton, sponge that easily absorb the ultrasonic wave.
- Some obstacles with special shapes, such as pillars, trees, bicycles, angle steel, cornerstone and corrugated paper.
- The parking assist system radar sensor may not detect overhanging obstacles such as fire hydrants, wall-mounted charging boxes, etc.

Situations where false alarms may occur

- The surface of the parking assist system sensor is covered with ice.
- The vehicle is on a steep slope.
- There are high-frequency radios or antennas installed on the vehicle or in use nearby.
- The sound of other vehicles' horns, engine roars, vehicle exhaust noises, etc., are too close to the parking assist system sensor.
- Driving in snow or rain.

If the system still does not alarm when the vehicle approaches to the obstacle, and it is confirmed that it is not caused by the above

situation, please contact an authorised PROTON e.MAS service outlet for maintenance.

- The sensor of parking radar system can only detect the closest barrier when there are several barriers. Please note whether the parking sensor of another side detects other barrier when the vehicle moves.
- The parking radar system can only display the closest barrier when there are several barriers on the same side (front/ rear). Please pay attention to the situation where the parking assist system radar sensor detects multiple obstacles when the vehicle moves.
- Do not use a hose to directly spray high pressure water and do not squeeze or impact the surface of parking radar system sensor in other ways. Otherwise, it may cause faults.◄

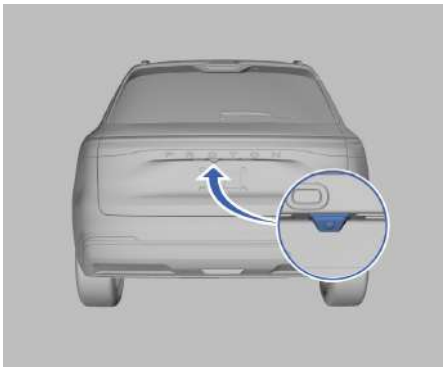
Rear View Camera System*

The rear view camera system (reverse camera) assists the driver in reversing by displaying the view behind the vehicle.

Before reversing, the driver must carefully check for any obstacles around the vehicle. Failure to do so may result in personal injury and property damage. The rearview camera system cannot replace the driver's visual observation. Do not rely solely on the rearview camera when reversing.

- There is a discrepancy between the distance displayed on the multimedia display and the actual distance.
- The reverse camera cannot detect objects outside of its visible range, such as those below the bumper or underneath the vehicle.
- The reverse camera may not be able to detect children, pedestrians, cyclists or pets.
- It is forbidden to use the rear view camera system during long-distance or high-speed reversing operations, or in areas with crossing traffic.◄

Position of Reverse Camera



The reversing camera is located on the back door. The camera's viewing area is extremely limited and may not capture objects near corners or below the bumper. The displayed image may vary depending on the vehicle's orientation or road conditions. There may be a discrepancy between the distances shown on the screen and the actual distances.

Reversing Assist Line

The reversing assist lines are dynamic trajectory lines that adjust their direction according to the turning angle of the steering wheel. When reversing, the reversing assist lines overlay the road surface behind the vehicle and move left or right as the steering wheel is turned. The direction they indicate aligns with the actual trajectory of the vehicle, helping the driver plan the reversing route.

System On/Off

When the vehicle is shifted into R gear, the reverse imaging interface is activated:

- When the shift lever is shifted into R gear, the rear view camera system is activated, and the image is automatically displayed on the multimedia display.
- When the shift lever is moved out of R gear, the rear view camera system is deactivated, and the multimedia display switches back to the previously displayed interface.

Connection Interruption to Reverse Camera

When the connection to the reverse camera is interrupted, a pop-up window will appear on the multimedia display, indicating that the reverse camera connection is abnormal. please contact an authorised PROTON e.MAS service outlet for maintenance.

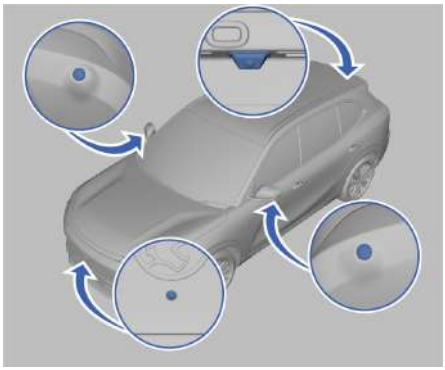
Surround View Monitor*

By displaying the images captured by the cameras on the multimedia display, it allows the driver to monitor the video footage of the front, rear, left, and right sides of the vehicle in real-time from inside the vehicle, assisting the driver with parking.

- When using the surround view monitor, pay attention to the surroundings of the vehicle. The system can only be used as an auxiliary means for the vehicle. Do not rely only on the surround view monitor.
- The cameras' performance can be affected by environmental factors, such as fog, rain and snow, night and other low visibility environments. Please use the surround view monitor with caution in such environments and ensure the surrounding area is safe before use.
- The system has visual blind spots and may not detect all obstacles around the vehicle.◀

This vehicle adopts wide-angle fish eye cameras, and the imaging model is bowl-shaped, resulting in the stretching deformation of 3D images at the splices, and overlapping of objects at the far end of the edge.◀

Surround View Monitor Camera



The surround view monitor cameras are located around the vehicle body.

Entering Surround View Monitor Interface

- If the steering linked function has been turned on in the panoramic image setting interface, and the shift lever is in a position other than Reverse (R) and the navigation is not running at the front desk, toggle the shift lever.
- When the Steering Wheel Button Customisation function in the multimedia display has been set to the Surround View Monitor, press the Customisation button on the steering wheel.
- Click the surround view monitor APP icon on the multimedia display.
- Shift the gear to R gear to enter the surround view monitor automatically.
- When the gear is in Drive (D) and the vehicle speed is less than 15 km/h, the surround view monitor is entered directly when the distance between the vehicle and front obstacle is less than a certain distance.

- If the hill hold control function has been turned on in the surround view monitor setting interface, the surround view monitor will be automatically turned on when the vehicle moves uphill at a low speed.

The panoramic image interface can only be accessed via obstacle triggering methods when the vehicle speed is below 15 km/h; it can only be accessed through the aforementioned methods (-excluding obstacle triggering) when the speed is below 30 km/h. ◀

Exiting Surround View Monitor Interface

- Touch the "Exit" button of surround view monitor interface on the multimedia display.
- Shift the gear from R, N and D to P. If there is no operation within 5 seconds, the surround view monitor exits.
- Turn on the surround view monitor by shifting into reverse gear (R). When it is not in the reverse gear, the surround view monitor exits when the vehicle speed exceeds 15 km/h.
- If the surround view monitor is turned on via toggling the indicator, and the view of surround view monitor is not switched by other operations (excluding the toggle of left/right indicator), when the indicator has returned to its original position, the surround view monitor exits.
- If the surround view monitor function is turned on via the obstacle triggering, the surround view monitor will automatically exit if the speed exceeds 15 km/h.
- In addition to being triggered by obstacles or activated by reverse gear (R) to enter surround view monitor, it will automatically exit when the current vehicle speed exceeds 30 km/h.
- If the surround view monitor is turned on by the uphill hold control function, the vehicle will automatically exit the surround view monitor after driving on the flat road for a certain period of time.

Setting Interface

1. Settings
   Transparent car models, steering linkage, uphill hold control or 3D surround effects can be set.
2. Half Screen/Full Screen Switching
   Either half screen or full screen effect can be switched.
3. 2D/3D View Effect
   Either the 2D view effect or the 3D view effect can be switched.
4. Exit
   Exit the surround view monitor Interface.

In addition to the aforementioned function buttons, you can also directly click the camera icons of the surround view

monitor vehicle model in front/rear direction of to quickly switch between different imaging perspectives.◀

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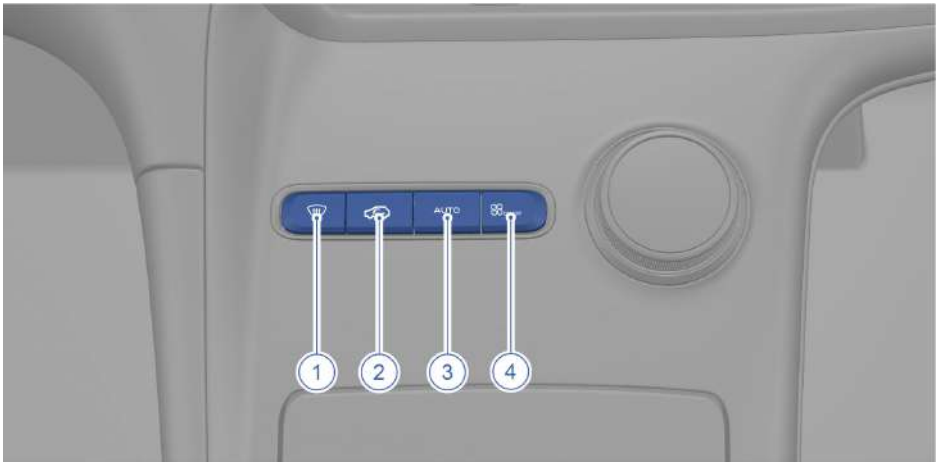
Front A/C Control System

Sub Instrument Panel A/C Control Panel



A/C Control Panel in Multimedia Display

1. Front windshield defrost/defog button
2. Internal and external circulation switch button
3. AUTO button
4. A/C on/off button
5. ECO button
6. Temperature adjustment button
7. Air volume adjustment button
8. Set button
9. Max cool button
10. Max hot button
11. Exterior rearview mirror/rear windshield defrost/defog button
12. A/C button
13. Air outlet mode face blowing button
14. Air outlet mode foot blowing button
15. Air outlet mode window blowing button

In the air conditioning control panel on the multimedia display, the window, face and foot blowing buttons for air outlet mode can be used separately or in combination as needed.◀

Description of Front A/C Control System Button

1. Front windshield defrost/defog button

   To quickly remove fog or frost from the front windshield, direct the airflow toward it. For best results, clear all ice and snow from the front windshield before using the defroster/defogger. While in defrost/defog mode, adjusting the fan speed control will increase or decrease the airflow accordingly, while the air distribution mode remains fixed on the windshield setting.

   When using the front windshield defrost/defog function, the A/C and automatic circulation functions will be automatically turned on and are non-adjustable. Before entering the front windshield defrost/defog function, if the A/C is off or in AUTO mode, the air volume will be set to manual level 6; if the A/C is on in manual mode and the air volume is less than level 6, the air volume will be adjusted to manual level 6; if the A/C is on in manual mode and the air volume is equal to or greater than level 6, the air volume will remain unchanged. To maintain the defrost/defog effect, please do not turn off the A/C.

   When the air conditioner is turned off, operate the windshield defrost/defog button, the air conditioner is activated and the windshield defrost/defog function is executed.

2. Internal and external circulation switch button

   The internal/external recirculation system has three modes: Auto, Recirculate, and Fresh Air. When cycling through the modes using the recirculation button, the order is: Auto → Recirculate → Fresh Air → Auto. The recirculation button on the sub instrument panel control panel only illuminates when Recirculate mode is active; it remains off in both Auto and Fresh Air modes. Pressing this button allows for manual switching between Auto, Recirculate, and Fresh Air modes. When in Auto mode with the AUTO button activated, the actual position of the recirculation damper will adjust automatically based on the interior temperature control requirements.

   When the air conditioner is turned off, press the internal and external circulation switch button, the air conditioner is still off, but the internal circulation or external circulation will be switched.

3. AUTO button

   It is possible to adjust the temperature buttons and select the temperature according to your perceived comfort level. If you press the AUTO button, the A/C will automatically control four functions, namely the interior/exterior circulation, air outlet mode, air volume and A/C, to achieve the desired temperature. At this point, if you manually adjust the air outlet mode, press the front windshield defrost/defog button, or press the AUTO button again, the AUTO button indicator light will turn off, and the A/C will continue to automatically control the remaining functions that have not been manually

adjusted, in order to achieve the desired temperature as much as possible.

When the air conditioning is turned off, press the AUTO button to wake up the air conditioner and enter the fully automatic control mode; set the temperature to the state before the air conditioner is turned off.

4. A/C on/off button

   Press or click this button to turn on or off the A/C.

5. ECO button

   Click this button to turn on or off the air conditioning energy-saving operation mode.

6. Temperature adjustment button

   In the temperature control section, slide upward to lower the temperature and downward to raise it. Each increment adjustment or short toggle of the lever switch changes the temperature by 0.5° C, with a temperature setting range of 15.5°C to 28.5°C.

7. Air volume adjustment button

   Click the A/C air volume bar to select the air volume according to personal need.

8. Set button

   Click this button to turn on or off self-drying after locking and window ice buildup prevention after winter parking functions in the setting interface.

9. Max cool button

   Click this button to turn on or off the Max cool mode.

10. Max hot button

    Click this button to turn on or off the Max hot mode.

11. Exterior rearview mirror/rear windshield defrost/defog button

    The defogging/defrosting function for the exterior rearview mirrors and rear windshield can be activated or deactivated by pressing the button when the vehicle's power is in the ON position or when the engine is running. When the function is active, the indicator light on the button will illuminate. Pressing the button again will deactivate the function.

12. A/C button

    Pressing this button activates the air conditioning system and illuminates the A/C indicator light. Pressing it again turns off the indicator light and the cooling function.

    When the air conditioning is turned off, press the A/C button to activate the air conditioning.

13. Air outlet mode face blowing button

    Click this button to select face blowing mode as the air outlet mode.

14. Air outlet mode foot blowing button

    Click this button to select foot blowing mode as the air outlet mode.

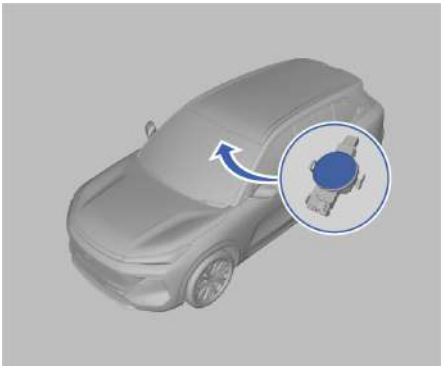
15. Air outlet mode window blowing button

    Click this button to select window blowing mode as the air outlet mode.

- If the A/C performance is lower than expected, check whether there is dirt or insect accumulation on the surface of the radiator (located in front cooling module). Please visit an authorised PROTON e.MAS service outlet for cleaning.

- Placing a shield in front of the bonnet will reduce the airflow into the radiator thereby reducing the performance of the A/C.
- Don't let leaves or other debris block the air inlet.
- It is normal if you hear a sound from the blower inside the vehicle after locking it, and the sound is expected to last for about one minute. After A/C operation, it blows out the moisture from the evaporator and the air ducts to prevent odor from being generated after deposition.◀

Rain/Sunlight Sensor

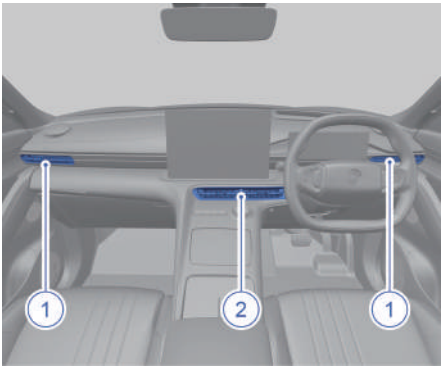


This sensor is used to control the temperature in the vehicle, automatic wiper wiping as well as on and off of automatic lighting.

Keep the sensor area clean and free of labels or foreign objects. Failure to do so may cause the temperature control system, automatic windshield wipers, and automatic lighting function.◀

Air Outlet Adjustment

Front Air Outlet



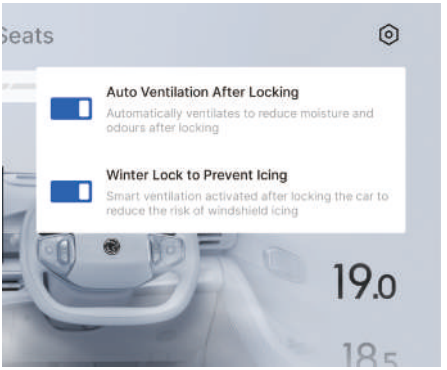
1. Side air outlet
2. Central air outlet

Rear Air Outlet

Adjust the wind direction by changing the up, down, left and right directions of the air outlet grille.

The air outlet can be closed by adjusting the blades.

A/C Settings



Click the following on the multimedia display in sequence: A/C → Settings, and then enable or disable the Self-drying After Locking or window ice buildup prevention after winter parking function.

Self-drying After Locking

The vehicle will perform intelligent ventilation for a short while after being locked, in order to reduce moisture and odors inside the cabin.

Preventing ice buildup on windows after winter parking

The intelligent ventilation operation activates after locking the vehicle to reduce windshield icing risk.

Charging Precautions

The following precautions must be observed to avoid high voltage electric shock or more severe injuries:

- The vehicle charging port generally does not have high voltage when not charging, but it has a detection function. In order to prevent accidental electric shock, it is strictly forbidden to use fingers or other metal and other conductive parts to reach into the charging port hole.
- For owners who have an implanted cardiac pacemaker or cardiovascular defibrillator, please do not stay in vehicle or enter the vehicle to get things during charging. Otherwise, it may affect the function of electronic medical units and cause personal injury or death.
- Before charging the vehicle, please check whether there are water, foreign objects or other factors affecting charging in the charging socket. If so, please clean it before charging.
- Please check the charging cable before charging, and do not use charging cables with damaged surfaces or housing.
- Do not remove or modify the charge equipment or relevant ports without permission.
- Never allow a child to perform charging operation.
- In case of sudden changes in weather (-strong wind, rain/snow, thunderstorm) during charging, check whether the charging plug is secure and dry in a timely manner. Do not touch the charging cable and vehicle body at lightning.
- If there is damp near the charging port during charging, please disconnect the power supply to ensure safety, then disconnect the plug at the power supply side (do not touch the metal sheet of the charging plug with hands or other parts of the body, to avoid safety accidents), then pull out the charging plug at the vehicle side. Use insulating gloves if necessary, and contact a PROTON e.MAS service outlet for inspection and confirmation as soon as possible.
- If an abnormal odour is emitted from the vehicle during charging, please stop charging immediately.
- When charging, do not squeeze the charging cable.
- Do not unplug the charging cable until the charging process has ended, preventing arcing generated at charging port.
- After charging, do not disconnect the charging connection device while your hands are wet or standing on the floor with water.
- Please ensure that the charging connection device is fully disengaged from the vehicle charging port before driving the vehicle. ◀

It is recommended that the power battery be fully charged at least once a week or fully charged in time according to the full charge reminder, which will help ensure that the vehicle accurately displays the remaining power. ◀

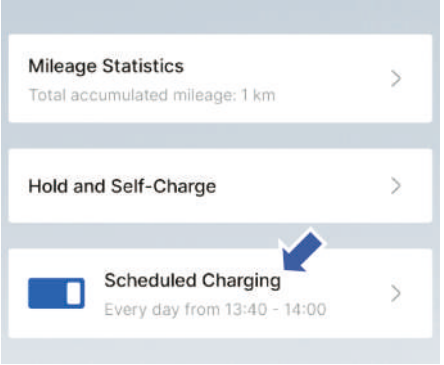
Charging Operation

Please use specific AC/DC charging equipment that complies with national standards. Otherwise it may cause failure or fire, resulting in casualties.◀

Always adhere to the operating procedures of the DC fast charging pile when initiating or terminating the charging process. Under no circumstances should the DC fast charging plug be arbitrarily inserted or removed during the charging cycle.◀

Charging Settings

Scheduled charging*



Click the following on the multimedia display in sequence: Energy → Scheduled Charging, set the charging time on the scheduled charging interface or mobile phone side (if equipped), and set the starting time and ending time according to the local electricity valley period to save electricity costs. The AC charging current limit can also be set via the Energy Center interface.

Scheduled charging only supports AC slow charging.◀

Wall-mounted AC Charging

When the ambient temperature is too high/low, the charging time may be prolonged. It is a normal phenomenon. The charging system automatically adjusts the charging time as the temperature changes to ensure the best performance of the power battery.◀

Steps

Insert the charging cable into AC charge port of vehicle and follow the charging pile prompts to charge.

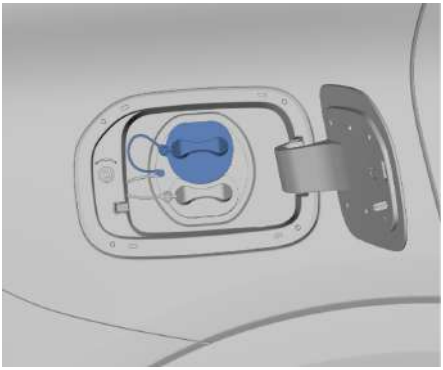
For the use of wall-mounted AC charging unit, see the user manual that came with the charging unit. ◄

Plug/unplug the AC charging cable vertically as carefully as possible to prevent damage to vehicle or charging equipment. ◄

AC Slow Charging at Charging Station

Steps

1. Park the vehicle and shift into Park (P);

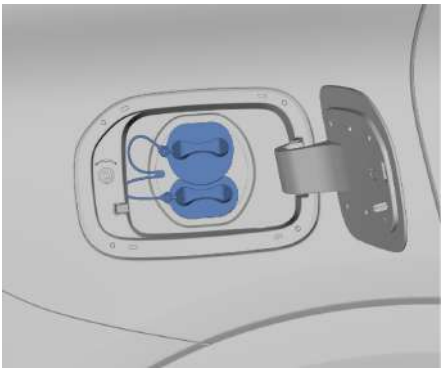


2. Press the charging lid to open and remove the charging interface protective cover;
3. Unplug the dedicated AC charging cable from the charging unit;
4. Insert the charging cable into the AC charging interface of the vehicle body;
5. Initiate the charging by referring to the charging unit.
6. After charging completes, unlock the vehicle before unplugging; If the charging operation is ended via the Ending Charing button on the vehicle infotainment system or mobile phone (if equipped), unlock before unplugging;
7. Close the AC charging interface protective cover and the charging port cover, and re-plug the charging cable back into the original position of the charging unit.

DC Fast Charging at Charging Station

Steps

1. Park the vehicle and shift into Park (P);



2. Press the charging lid to open and remove all the charging interface protective covers;
3. Remove the dedicated DC charging cable from the charging unit;
4. Press the button on the DC charging cable and plug the DC charging cable into the DC charging interface of the vehicle body;
5. Initiate the charging by referring to the charging unit.
6. After the vehicle is fully charged or when charging operation needs to be ended,

end the charging operation in accordance with the instruction of the charging unit, then pull out the charging cable while pressing the charging cable switch;

7. Close the DC charging interface protective cover and charging port cover, and re-plug the charging cable back into the original position of the charging unit.

- Push in the left area of the charging lid to open the charging port.
- At normal temperature, the opening angle of the charging port cover is relatively large, while it is smaller at low temperature.◀

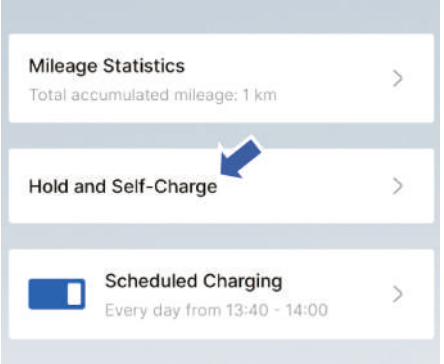
Charging Time

The charging time may be different depending on different factors, such as the current power level, the temperature outside the vehicle, the usage time of the high voltage battery or the charging current, etc.

- If the temperature is too high or too low, part of the charging current is used to normalise the temperature of the power battery and the vehicle. This may extend the charging time.
- In low temperature environments, charging efficiency may decrease or the battery may not be charged.
- When the vehicle is plugged in to charge at extremely low temperatures, the battery will enter the preheating stage first, which may consume some power, which is a normal phenomenon. After the preheating is completed, it will automatically switch to the charging state.◀

Energy Preservation

Power Preservation and Battery Recharge



Click the following on the multimedia display in sequence: Energy → Power preservation and recharge → Parking comfort to enable the Parking comfort function and set the power retention value. And, you can choose Smart power preservation or Forced power preservation.

Click the following on the multimedia display in sequence: Vehicle Settings → Driving → Power Preservation and Power Supplement to enter the Preservation and Power Supplement interface;

The smart power preservation function intelligently regulates the charging and discharging of the power battery based on factors such as road conditions, driving habits, and the current battery level. When there is a need for power retention during daily use, it is recommended to select the smart power retention mode.

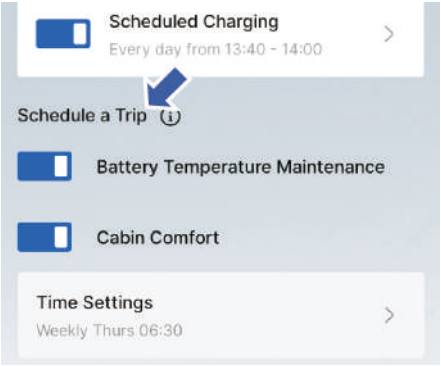
Forced power preservation means that the engine will maintain power output while simultaneously charging the battery. The system will actively reserve power according to the target power retention value you set, bringing the actual power close to the target power. This mode is mainly used in scenarios where external power discharge is required at the destination (such as camping), or when there are long-distance uphill climbs and mountainous highland roads ahead. Compared to Intelligent Charge Sustain mode, the power generation output is increased when the engine is running. As a result, fuel consumption and noise levels may be higher during the charging process.

After the vehicle enters READY state, shift the gear to Park (P). Then, click the following on the multimedia display in sequence: Energy Center → Power Preservation and Recharge → Fuel-based Recharge. After enabling the fuel-based recharge function, the engine will be started to drive the generator to charge the power battery. Please ensure the fuel-powered charging function is used in a well-ventilated area.

- After enabling the parking comfort function, the parking comfort function will be unavailable if you select the pure electric driving mode or enable the fuel-based recharge function.
- When using the driving power retention function, the actual power level of the power battery may be lower than the set power battery power limit, and this is a normal phenomenon. The final power retention effect of the driving power retention function will be affected by

driving conditions and journey distance. ◀

Schedule A Trip*



Click the following on the multimedia display in sequence: Energy → Schedule a Trip, and then enable or disable the Battery Temperature Maintenance and Cabin Comfort.

After turning on the battery temperature maintenance, when the trip reservation time approaches, the vehicle will adjust the temperature of the battery through the AC charging unit and the power battery's power, reducing power consumption during driving and increasing the driving range.

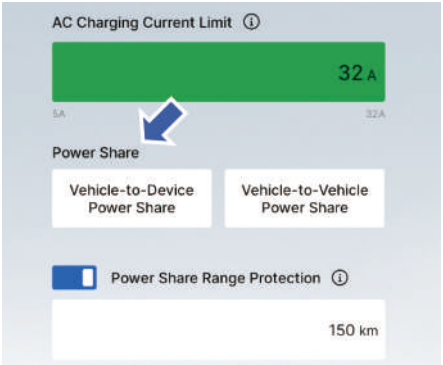
After turning on the cabin comfort, when the trip reservation time approaches, the vehicle will turn on the A/C and other functions through the AC charging unit and the battery's power to create a comfortable ride experience.

External Power Supply

The external power supply function can output the power stored in the power battery as 230V battery, allow the external electrical appliances to be used and providing temporary power to other new energy vehicles.

To utilise the external power supply follow the below instructions:

1. Push in the left area of the charging lid to open and remove the charging interface protective cover.
2. Plug in a compatible Vehicle to Load cable to the vehicle and plug in the appliance.



3. Click the following on the multimedia display in sequence: Energy→ External Power Supply to turn on Vehicle To Load or Vehicle To Vehicle.

You can also turn on or off the power supply range protection function and low battery engine start function on this interface as needed. Using the power supply range protection function can preserve the vehicle's remaining driving range; the low battery engine start function can activate the engine to generate electricity when the battery charge level drops to a certain limit.

- Plug/unplug the charge cable vertically as carefully as possible to prevent damage to vehicle or power supply equipment. The current specifications for used household electrical equipment or transfer cables shall not be lower than the rated current marked on the power supply equipment.
- When the power level of the vehicle is too low, in order to prevent the vehicle from being unable to start due to the low power, the vehicle will not supply external power.◀

The power supply equipment is only used to provide electric energy output, and it is not allowed to connect other external charging equipment or external electrical appliances whose rated power exceeds that of the power supply equipment, especially if the power supply equipment has been connected to the AC charging interface of the vehicle. Otherwise it may cause damage to the vehicle and power supply equipment.◀

If Vehicle to Vehicle (V2V) external discharge is used, the requirements of the discharge cable are as follows: if the discharge current is 32A, the discharge cable resistance should be 3700Ω. If the discharge current is 16A the discharge cable resistance should be 2700Ω. This is helpful for normal use.◀

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Regular Maintenance

It is recommended to pay attention to the vehicle status regularly to keep your vehicle in the best condition.

Door check

The door check needs to be applied with grease regularly; otherwise, there may be abnormal noise when opening and closing the door.

Maintenance of sunroof glass*

Use glass cleaner to clean the sunroof. Do not use viscous cleaners!

Maintenance of sunroof*

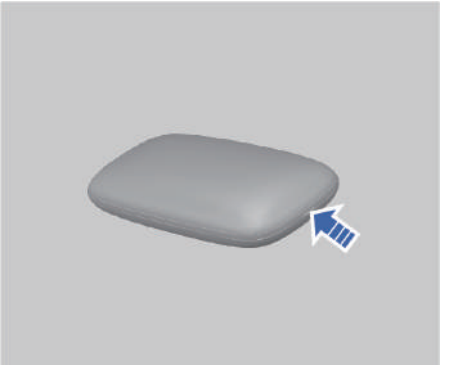
To extend the service life of the sunroof, please perform regular maintenance on it; clean the sand and dirt in the guide rails, and apply grease to the moving parts such as the mechanical components. Maintenance of the sunroof can also be performed according to actual usage conditions:

- If the sunroof is often used in windy and dusty environments, wet sponges can be used regularly to clean the dust and soil around the glass strips.
- If the vehicle is parked or the sunroof is not used for a long time, the strips around the sunroof can be cleaned with fine talcum powder or specific lubricant for the strips.
- When washing the vehicle, ensure to clear any debris such as dust, leaves, or twigs from the sunroof strips, drain holes, and grooves. If any, please clean it.

Replacement of Key Battery

Replacement of Smart Key Battery

The battery in the smart key should be replaced when the vehicle cannot be remotely controlled due to a shortened remote control distance, or the smart key cannot be recognised by the vehicle due to low battery power.



1. With the striped back cover facing upwards, insert a flathead screwdriver with a width similar to the opening into the opening at the back of the smart key. Grip the handle of the screwdriver tightly and pry it inward until the flat part of the screwdriver is fully inserted into the key. Then lift the handle upwards with force to open the back cover;

2. Use a flathead screwdriver to insert the back of the battery cover plate and pry open the battery cover plate;

3. Replace with a new battery, and note that the positive terminal of the battery faces the back cover. Smart key battery model: 3V, CR2032;
4. Reassemble the two halves of key cover.

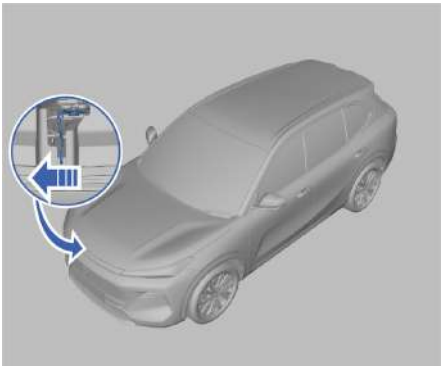
- Replacing the battery yourself may damage the key. If necessary, it is recommended to go to an authorised PROTON e.MAS service outlet for replacement.
- If the replaced key still cannot be used normally, contact an authorised PROTON e.MAS service outlet.
- To prevent children from swallowing the replaced battery, keep the battery out of the reach of children.◀

Dispose used batteries according to local regulations to avoid damaging the environment.◀

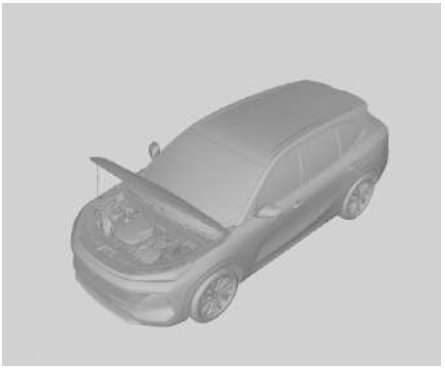
Opening and Closing the Bonnet

Opening Bonnet

1. Pull the bonnet opening lever located on the lower right side of the driver instrument panel;



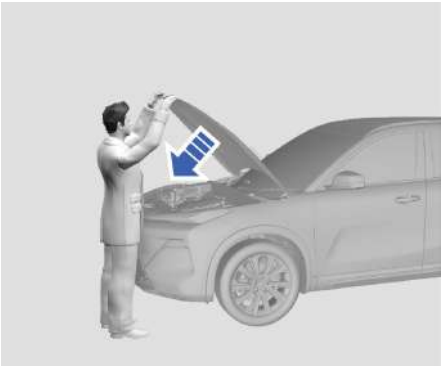
2. Push the lever of the bonnet lock safety hook in the direction of the arrow shown;



3. Lift the bonnet and use the support rod to prop up the bonnet.

Closing Bonnet

Before closing the bonnet, it is required to check if any tools, rags, etc. have been left in the front compartment, and make sure that all filler caps are closed. ◀



1. Detach the bonnet support rod and securely replace it;
2. Close the bonnet downward and it indicates that the bonnet is locked when a clicking sound is heard;
3. After the bonnet is closed, verify that it is fully locked by trying to lift the front edge of it.

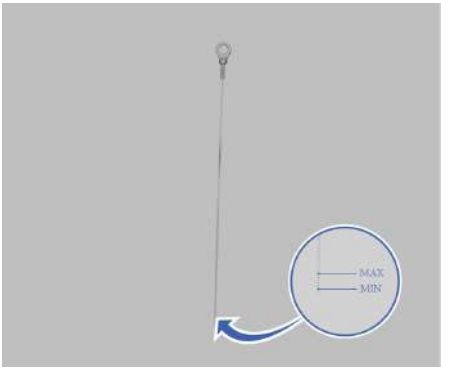
If it is not completely locked, open the bonnet again, and then close it. Do not directly push down with extreme force.

Do not drive the vehicle with the bonnet not properly closed.◀

Engine oil

Checking and Filling Engine Oil

1. Park the vehicle on a flat surface, turn off the engine, and wait for a few minutes (let the engine cool down for 10 minutes after it has reached a water temperature of 90 degrees Celsius).
2. Pull out the dipstick, wipe it clean with a paper towel or cloth, and then insert it back to the bottom;



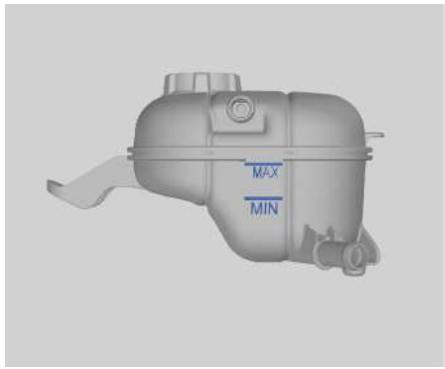
3. Pull out the dipstick again to check the oil level.
4. If the engine oil level is found to be below the MIN mark, unscrew the engine oil filler cap and add engine oil to maintain the oil level between the MAX and MIN marks on the dipstick, preferably at 3/4 of the range;
5. Wait for a few minutes and then check the engine oil level again. If necessary, add an appropriate amount of engine oil;
6. Insert the dipstick back properly and secure the engine oil filler cap.

The new engine may consume more engine oil during the break-in period,

which is normal. Please maintain the engine in accordance with regulations and use the engine oil recommended and approved by our company. A reminder to schedule engine maintenance will appear when the engine oil health level is less than or equal to 10%.◀

Dispose used engine oil in accordance with relevant environmental protection laws.◀

Coolant



Be sure to park the vehicle on flat ground when inspecting the coolant level. Check that the coolant level in the coolant expansion tank is between the MAX and MIN marks. If the coolant level is below the MIN line, refill the coolant into the expansion tank referring to the below process.

Before opening the pressure cap of coolant expansion tank, ensure the cooling system (including the pressure cap of coolant expansion tank and the upper hose of radiator) has completely cooled down.

1. Turn the pressure cap slowly in a counterclockwise direction. If a hissing sound is heard, wait until the sound

stops before opening it. A hissing sound means there is still pressure inside the coolant expansion tank;

2. Continue turning the pressure cap and remove it.
3. Fill with coolant slowly until the coolant in the coolant expansion tank reaches between the MAX and MIN marks and the liquid level no longer drops.
4. Start the vehicle, turn on the A/C system, and remove the remaining air of the system through the operation of the electric water pump. Squeezing the radiator outlet hose accelerates emptying;
5. Observe the drop of the coolant in the expansion tank and replenish the coolant in time. The coolant level in the coolant expansion tank should be kept between the MAX line and the MIN line;
6. Observe the vent of the coolant expansion tank. When the coolant continuously flows out of the vent and the coolant level in expansion tank no longer drops, tighten the pressure cap. Then the coolant refilling is completed.

Please refill the certified ethylene glycol-type coolants. Damage or failure caused by the use of inferior coolant or non-compliant coolant mixture is not covered by warranty.◀

Brake Fluid

Check the brake fluid level from time to time. Make sure that the brake fluid level remains between the MAX and MIN marks.

If the brake fluid level is lower than the MIN scale mark, unscrew the reservoir cap and slowly pour in the brake fluid to prevent the brake fluid from overflowing. In case of accidental spillage, it should be removed immediately, otherwise the parts in the compartment will be damaged.

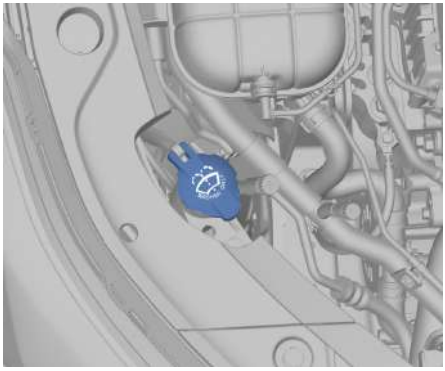
- Brake fluid is harmful to human body. In case of accidental contact, rinse immediately with plenty of water. If the

brake fluid is consumed, consult a doctor immediately.

- If the brake fluid level drops due to leakage, contact a PROTON e.MAS service outlet as soon as possible.
- Apply the brake fluid of the designated manufacturer and brand; otherwise it will seriously damage the parts of the brake hydraulic system and affect the braking performance and distance.
- Please replace the brake fluid in a timely manner when it reaches its replacement cycle. This is because brake fluid gradually absorbs moisture from the surrounding air over time. Excessive moisture in the brake fluid will lower its boiling point. During heavy brake use, this can reduce braking efficiency, increase braking distance, and may even cause complete failure of the braking system.
- Always use brake fluid within its specified shelf life and in factory-sealed containers; otherwise, braking system failure may occur.◀

Washer Fluid

Replenishing Washer Fluid



Open the filler cap with a washer sign printed on it, and add the appropriate amount of washer fluid.

The freezing point temperature of the washer liquid should be 10° C lower than the local minimum temperature.◀

It is strictly forbidden to add liquids such as soapy water instead of washing liquid, otherwise the paintwork of the vehicle body may be damaged. It is recommended to use qualified windshield glass washer fluid.◀

Replacement of Wiper Blades

- Grease, silicon and petroleum products will weaken the wiping effect of wiper blades. Wash wiper blades with warm soap water and regularly check their condition.
- Wash and clean the windshield frequently, and avoid using wiper blades to wipe sand, or the wiping effect of wiper blades and the service life will be affected.
- Replace the wiper blades if the rubber is hardened or cracked, or if the wipers leave scratches on windshield or cannot wipe a certain area.
- Clean the windshield regularly with approved windshield washer fluid, and ensure that the windshield is thoroughly cleaned before replacing wiper blades.
- Use wiper blades of the same specification as the original wiper blades.
- If the wiper or windshield is covered by ice or snow or is frozen, clear the ice and snow on the wiper and windshield before using the wiper to avoid damage.
- Do not use the wipers when the windshield is dry or there are hard objects on the surface. This may damage the wiper blades and windshield. ◀

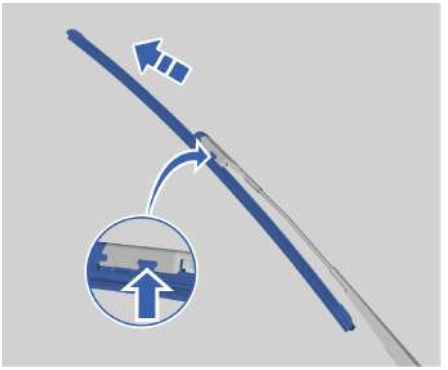
Replacement of Front Windshield Wiper Blades

1. When the vehicle is stationary and the wiper lever is in When the vehicle is stationary and the wiper lever is in position, click the following on the multimedia display in sequence: Vehicle Settings → My Vehicle → My Vehicle → Service and Maintenance to enable the Wipers in Maintenance Position function in this interface, and the wiper automatically moves to the replacement position;

When the front wiper or front windshield washer function is activated, the front wiper returns to its original position. ◀

2. Pull the front windshield wiper blade away from the windshield.

While the front windshield wiper blade is erect, do not open the front compartment hood. This may damage the wiper blade or hood. ◀

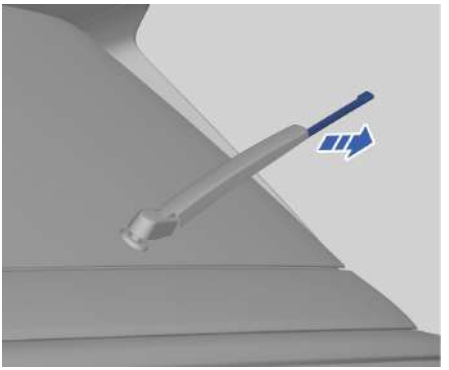


3. While pressing the wiper blade clip, pull the wiper blade along the arrow direction to separate it from wiper arm;
4. Take off the wiper blades;

If the windshield wiper blade is not correctly mounted, the windshield will be damaged if the wiper arm gets in touch with the windshield. Damage caused thereby is not covered by warranty.◀

5. Install the wiper blade in the reverse sequence of steps 2 to 4.
6. Exit wiper service mode by turning off the front wiper service switch.

Replacement of Rear Windshield Wiper Blades



1. Pull the rear windshield wiper blade away from the rear windshield.
2. Pull the rear windshield wiper blade in the direction indicated by the arrow and remove it directly;
3. Install rear windshield wiper blade in the reverse sequence of steps 1 to 2.

Maintenance of 12V Battery (Low Voltage)

This vehicle is provided with maintenance-free low-voltage battery.

The low-voltage battery posts, terminals and related accessories contain lead and lead compounds, which may be harmful to health. Oxides and sulfates on the battery hold-down clamp must be scraped clean, and then coated with petroleum jelly.

To extend the service life of low voltage battery and ensure the normal operation of electrical system, the following suggestions are given:

- When driving in a cold region, prevent the low-voltage battery from full discharge to avoid electrolyte freeze.
- Avoid overcharge or long-term power loss of the low-voltage battery.
- In case of undervoltage of low-voltage battery, charge it via exterior power supply.
- Keep the low-voltage battery away from heat source and open fire. When it is charged or used, ensure the ventilation to prevent burning and injury.
- To prevent long-term high current discharge of the low-voltage battery, the starting time for each use should not exceed 5 seconds. There should be 10-15 seconds between two consecutive starts.
- The low-voltage battery shall be installed securely in vehicle with minimal vibration.
- Inspect whether the clamps of low-voltage battery terminals are secure and well contacted, so as to avoid sparks which may cause the low-voltage battery to combust. Oxides and sulfates on the battery hold down clamp must be scraped clean, and then coated with petroleum jelly.
- As there will is slight current consumption in the vehicle circuit system when parking, leaving the vehicle stationary for a long time will cause the low-voltage battery to run out of power. Therefore, if the vehicle is to be stored for a long time, the black negative (-) cable should be unplugged from the low-voltage battery to prevent the battery from discharging.
- The vehicle should be stored in a cool, ventilated, clean and dry environment. If the vehicle is parked in an enclosed and humid environment for a long time, the rust and aging of vehicle parts will be accelerated. Please follow the recommendations and requirements to carry out regular maintenance on the vehicle in a timely manner.◀

Replacement of Low-voltage Battery

When replacing the low-voltage battery, be sure to use the low-voltage battery of the same model and specifications. Please contact a PROTON e.MAS service outlet for removal, replacement and installation of the low-voltage battery.

Different models of batteries have different terminals. The mismatch between the battery terminals and the wiring harness terminals will lead to failure to tighten, and there is a risk of breaking down. ◀

After the low-voltage battery is replaced, give the used battery to an authorised PROTON e.MAS service outlet for disposal, or deliver it to the collection depot meeting relevant environmental protection laws. There is highly corrosive toxic substance in the low-voltage battery. Please keep the battery upright when transporting and storing.◀

An overheating failure by the low-voltage battery may produce harmful gases, please leave the vehicle as soon as possible.◀

Power Battery

As one of the main power sources, the power battery can be charged and discharged multiple times. Charging methods mainly include external power supply charging and energy recovery charging.

The vehicle must be stored in accordance with the following requirements. Failure to do so may result in over-discharge of the power battery, which can lead to reduced performance or even damage to the power battery. Any damage or malfunction caused by improper storage is not covered under PROTON's warranty and shall be the sole responsibility of the user:

- If the vehicle is parked for up to 7 days (-inclusive), ensure the power battery level is above 10% at the time of parking.
- If the vehicle is parked for 8 days to 3 months (inclusive), ensure the power battery level is between 50% and 60% at the time of parking.
- If the vehicle is parked for more than 3 months, the battery must be fully charged and then discharged to 50%–60% before storage. Subsequently, repeat this procedure every three months from the date of initial discharge.◀

The thermal runaway of the power battery will produce harmful gases. Please keep far away from the vehicle immediately.◀

Cautions

The power battery is a high-voltage energy storage device, which is dangerous. Non-professionals and improper operation may

cause serious consequences such as electric shock, burning and explosion. It is strictly forbidden for non-professional personnel to install, repair and use power batteries beyond their intended use, and it must be operated by professional technicians from a PROTON e.MAS service outlet. Warranty will not be given for damage to the power battery and other losses caused by using the power battery not in accordance with the specified requirements or exceeding the specified scope of use.

1. Moisture-proof and water-proof
   The power battery contains many high-voltage control circuits and individual cells. Therefore, make sure that the power battery is never exposed to liquids or humid/moist air.
2. Environmental heat insulation
   When the vehicle is parked, the surrounding area should be insulated, ventilated and kept away from combustibles to prolong the service life of the power battery and improve the safety performance of the power battery.
3. Shock-proof and impact-proof
   Please drive carefully when the road conditions are poor to prevent the power battery from colliding with hazards, so as to avoid damage to the power battery.

Recycling Process

Used power batteries need to be properly recycled. In the process of vehicle maintenance and repair, power batteries that meet the following conditions are deemed to be recycled:

1. In the process of repairing and maintaining the power battery by a PROTON e.MAS service outlet, the capacity and status of the power battery shall be measured. For power batteries that require to be recycled according to relevant laws and regulations, PROTON shall assume the main responsibility and recycle them according to the current market conditions.
2. If the power battery is deemed unusable on the vehicle, it may be recycled and subject to cascade utilisation if the relevant requirements are met.
3. If the power battery is seriously failed or damaged and cannot be used for cascade utilisation, it will undergo the recycling process.

The power battery recycling process is as follows: The batteries are collected and subsequently processed by a PROTON e.MAS service outlet or a third-party recycling agent authorized by PROTON.

Never sell, transfer, or modify the power battery. It must be recycled by a PROTON e.MAS service outlet to prevent accidents.◀

If the power battery is not properly recovered, the following cases may occur and result in serious personal injury or death:

- Illegal scrapping or disposal of power batteries will harm the environment, and people may suffer electric shock from touching high-voltage parts.
- If the power battery is improperly used or modified, accidents such as electric

shock, heat, smoke, explosion and electrolyte leakage may occur.◀

Maintenance of Tyres

Tyre Inspection

When to check the tyres

Inspect tyres at least once every month.

How to check the tyres

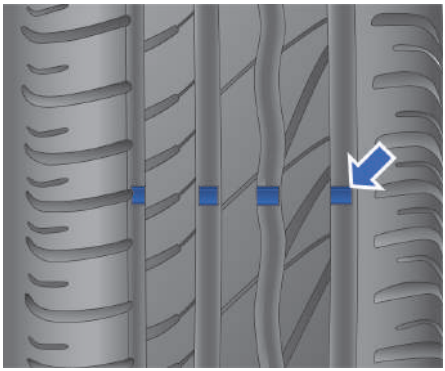
Check the tyre pressure with a tyre pressure gauge and check the pressure only when the tyre is cold.

Unscrew the valve cap from the tyre valve, press the tyre pressure gauge firmly onto the valve and take the pressure reading.

If the cold tyre pressure meets the recommended pressure value on the tyre pressure label, no adjustment is required. If the inflation pressure is too low, inflate to the recommended pressure value. If the tyre is overinflated, press the metal valve core of the tyre valve to deflate it.

Check the tyre pressure again. Always install the valve cap back on the valve core. Valve caps keep dirt and moisture out.

Tyre wear



The tread wear indicator will appear when the tyre is worn to 1.6 mm or less of tread. Tyres should be replaced as soon as tyre wear has reached its limit. Tires must be

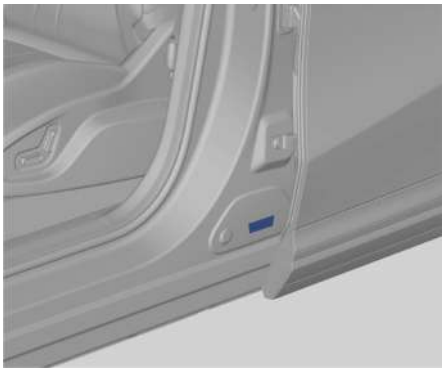
replaced promptly once the tread wear reaches the legal limit.

If uneven tyre wear is found, or some continuous vibration is felt while driving, contact a PROTON e.MAS service outlet for inspection. Conduct tyre dynamic balancing when installing new tyres. When installing new tyres, wheel balancing must be performed.

If the tyres with shallow tread patterns or exposed wear marks are used continuously, it will lead to extended braking distance, steering failure, tyre breakage, etc., which increases the likelihood of accidents.◀

Dispose used tyres in accordance with relevant environmental protection laws.◀

Tyre Pressure

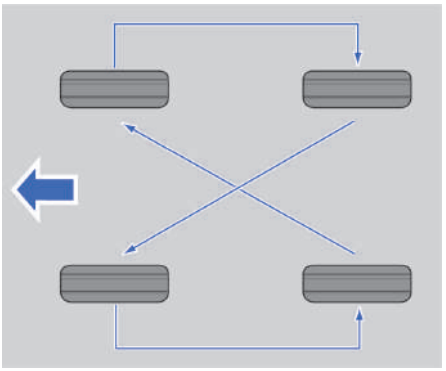


This vehicle is equipped with a tyre pressure label. Located on the lower section of the left center pillar, it indicates the recommended inflation pressures for both front and rear tyres.

Tyres can work effectively only when they have correct inflation pressure. Under-inflation or over-inflation may adversely affect the service life of the tyres and the handling performance of the vehicle, causing the vehicle to lose control.◀

Tyre Rotation

The tyres should be rotated every 10000 km.



Carry out correct rotation according to the sequence shown in the figure. Adjust inflation pressure of front/rear tyres as shown in tyre pressure label on the vehicle after each rotation.

The wheels need to be installed correctly. After tyre rotation, adjust the tyre pressure.◀

Wheel Alignment and Wheel Balance

It is necessary to inspect wheel alignment if abnormal wear of tyres or deviation is found. It is necessary to re-balance wheels if the vehicle shakes when driving on a smooth road. Please contact a PROTON e.MAS service outlet for maintenance as soon as possible.

Flat Tyre

When a tyre bursts during driving, the following conditions may occur. Please take actions accordingly:

1. If a front tyre bursts, the dragging of the flat tyre will cause the vehicle to deflect towards the side of the burst tyre. Release the accelerator pedal and hold the steering wheel tightly. Make a turn to keep the vehicle on the original lane, then depress the brake pedal gently to park the vehicle on a safe road as possible as you can.
2. Release the accelerator if a rear tyre bursts. Turn the steering wheel to your intended driving direction to maintain the vehicle under control. The vehicle may shake and there will be noise, but the steering still can be controlled. Depress the brake pedal gently to park the vehicle on a safe road as possible as you can.

If you find that the tyre is leaking slowly, please follow the steps below:

1. Drive the vehicle slowly to a safe and flat place to avoid further damage to the tyres and wheels;
2. Turn on the hazard warning light and place a triangle warning board at an appropriate position;
3. Use the quick tyre repair kit to repair the tyre.

To prevent the vehicle from moving, it is necessary to take the following measures:

- Activate the parking brake.
- The vehicle is in Park (P) or Neutral (N);
- Do not allow any occupant to left in the vehicle.
- Before using the tyre repair kit, place stoppers in front and rear of the remaining tyres.◀

Cleaning the Exterior

Washing the vehicle frequently helps to protect the appearance of the vehicle. When washing the vehicle, turn off the power supply and put the vehicle in a cool place. Do not wash it under direct sunlight. If the vehicle is exposed to sunlight for a long time, it is necessary to wait for the exterior of the vehicle body to cool down before cleaning it.

When using an automatic car washer, be sure to follow the instructions of the car washer operator.

- To prevent damage to the vehicle paint, the corrosive substances (bird droppings, resin, insects, asphalt spots, paving salt, industrial dust, etc.) should be cleared immediately. If necessary, use industrial alcohol to remove asphalt spots and obstinate oil stains, and then immediately wash with water and mild neutral soap solution to remove alcohol.
- It is forbidden to use chemical solvents containing ethanol or strong detergents to scrub the exterior lamp cover to avoid damage to the exterior lamp cover.
- It is forbidden to clean the exterior lamp cover of the vehicle whose surface is hot or exposed to direct sunlight. It is necessary to wait for the exterior of the vehicle body to cool down before cleaning the exterior lamp cover of the vehicle to avoid damage to it. Avoid any impacts made to the exterior lamp covers.◀

Cleaning Vehicle with High-pressure Washer

- Before washing the vehicle, check and ensure that the vehicle charge port lid is properly closed.
- Be sure to clean the vehicle in strict accordance with the instructions for use of the high-pressure washer, paying special attention to the working pressure and spraying distance. If a pressure washer is used, the nozzle must be at least 30 cm away from the body surface. Keep the nozzle moving and do not spray water constantly at one position. High-pressure water flowing into the vehicle parts may cause damage. Do not spray the nozzle towards the charging port.
- Do not use cluster nozzles to clean the vehicle.
- Never flush with the nozzle directly or indirectly targeting inside the front compartment. High-pressure water flow can cause damage to the electrical components in the front compartment or cause some parts to not work normally.
- Do not aim the nozzle at the connector of the chassis and flush (especially the orange high-voltage harness connector).
- Do not clean the front camera and sensor with a high-pressure washer or a steam washer, to avoid damage.
- Do not spray to wash the painted bumper and soft parts such as rubber hoses, plastic parts, and insulating materials at close range.

Cleaning Vehicle with Automatic Car Washer

- Before automatic car washing, please check with the car washer operator for any additional parts mounted on vehicle, and follow the professional advice provided by the operator.
- Fold the exterior rearview mirrors before washing the vehicle.
- The strength of the paint of vehicle body can withstand the washing of the automatic washer, but the impact on the paint must be noted. The influence mainly depends on the structure of the washer, the cleaning brush, the filtering state of cleaning water, and the type of cleaning agent and wax solvent. If the paint surface of the vehicle body is darkened or scratched after washing, the operator should be notified immediately to make corrections.
- When choosing an automatic car washer to clean the vehicle, give priority to a non-contact car washer. This type of the vehicle washer does not have any part (-brushes, etc.) that may touch the vehicle surface.

Cleaning the Interior

Regular vehicle interior cleaning helps to improve the environment inside the vehicle. Dust and dirt will accumulate on interior trims, and cause damage to carpet, fabrics, leather and plastic surfaces. Stains should be cleaned quickly, especially on light-coloured interior trims, as they may become permanent rapidly under extremely high temperature.

Clear the dust on small buttons and knobs with a soft brush.

Only use professional cleaning agents to clean the interior trim surface of vehicle, or it may cause permanent damage to the vehicle. To avoid spraying excessively, it is necessary to spray cleaner on the cleaning cloth directly. It is necessary to wipe the cleaner off immediately if you spray it on the surface of other objects in the vehicle by accident.

The temperature of baking gun used to paste the glass protective film is extremely high. It should be noted that the baking gun should never bake the interior trims when the protective film is being pasted, or the interior trims will be damaged. Adequate waterproof protection should be taken before pasting to prevent water stains from flowing into the vehicle through gaps and causing electrical failure.

When you clean the glass surfaces on the vehicle, do not use abrasive cleaning agent, or the glass will be scratched and/or the rear windshield defogger will be damaged. Only use soft cloth and glass cleaner.◀

Detergent contains solvents which may coagulate on vehicle interior trims. Please

read and comply with all safety instructions on labels before using detergent.

Open the doors and windows to keep good ventilation when cleaning vehicle interior trims.

Note the following when cleaning the interior trims:

- Do not get rid of dirt on trim surface with a knife blade or other sharp objects.
- Do not use a scrubbing brush to avoid damaging the interior surface of the vehicle.
- Do not press or use a cleaning cloth to wipe with great force. Wiping hard cannot improve cleaning effect but will damage the interior trims.
- Only use moderate neutral soap. Avoid using strong detergent or degreasing soap. Too much soap will leave stains and is easy to absorb dirt.
- Do not soak interior trims when cleaning.
- Do not use organic solvents such as naphtha or alcohol, as they will damage interior trims.
- Never spray cleaner directly onto components with electrical buttons and controls.

Fabric/Carpet

Clean dust and scum with vacuum cleaner fitted with soft brush head. For stubborn stains, you may try to remove them with fresh water or soda water first. Before cleaning, please choose an appropriate method to remove stains:

- For liquid stains: Wipe residual stains gently with tissue, so that the stains can fully saturate and get absorbed by the tissue.
- For solid dry stains: Remove as much as possible by hand and then remove with a vacuum cleaner.

Cleaning steps:

1. Soak the clean lint-free white cloth in water or soda water.
2. Wring the cloth to remove residual moisture.
3. When removing stains, scrub gently from edges to the middle until no more stain marks are left on the cloth.
4. If stains cannot be wiped off thoroughly, repeat the above cleaning operations with mild soap water.

If stubborn stains still cannot be removed thoroughly, consider to use synthetic fabric cleaner or detergent. Test for colour fastness on an inconspicuous position in the vehicle before using these products. If the cleaner was successful in the test patch, it can be used to clean the entire surface. After cleaning, the tissue may be used to absorb residual water on fabrics or carpets.

Leather Cleaning

A soft cleaning cloth dipped in water may be used to remove dust. To clean more thoroughly, use a soft cleaning cloth dipped in neutral soap water. Please let the leather dry in air, do not dry it by baking, and do not clean leather with steam.

Do not use detergents or polishes on leather, or the appearance and feel of the vehicle interior trims may be permanently changed. Do not use silicon-based, wax-based or organic solvent-containing products to clean the vehicle interior trims, which may cause uneven gloss of leather and affect the appearance of the interior

trims. Do not apply shoe polish to the leather.

Instrument Panel and Other Plastic Surfaces

Do not use detergents or polishes on plastic surfaces, otherwise it may change the appearance and hand feel of interior trims permanently. Some commercially available products may enhance the glossiness of instrument panel and thus cause reflection on windshield, which may severely affect the visual field of windshield.

Do not use any cleaning agents containing alcohol or strong oxide chemicals to wipe the interior trims. ◀

Replacement of Bulbs

LED lights are equipped for all lights on the vehicle. If any abnormalities or damages are found in the lights, contact an authorised PROTON e.MAS service outlet for replacement.

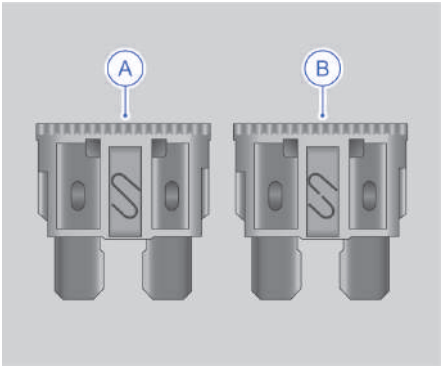
When there is a temperature difference between the inside and outside of the front combination lamp shade, such as in rainy days or when washing the vehicle, there may be temporary fogging in the lamp shade. This is natural. The fog will dissipate after the lamps are turned on for a short time. If it does not dissipate, contact an authorised PROTON e.MAS service outlet. ◀

Inspection or Replacement of Fuses

If any electrical components are not working, it is possible that the fuse has blown. If this happens, it is recommended to check as per the below and replace the fuse if necessary:

1. Switch the vehicle power to OFF and turn off all electrical equipment, disconnect the negative cable of the low-voltage battery;

2. Clamp the fuse head with fuse clip to remove the fuse, and check whether the metal wire is blown;



A- Intact fuse
B- Blown fuse

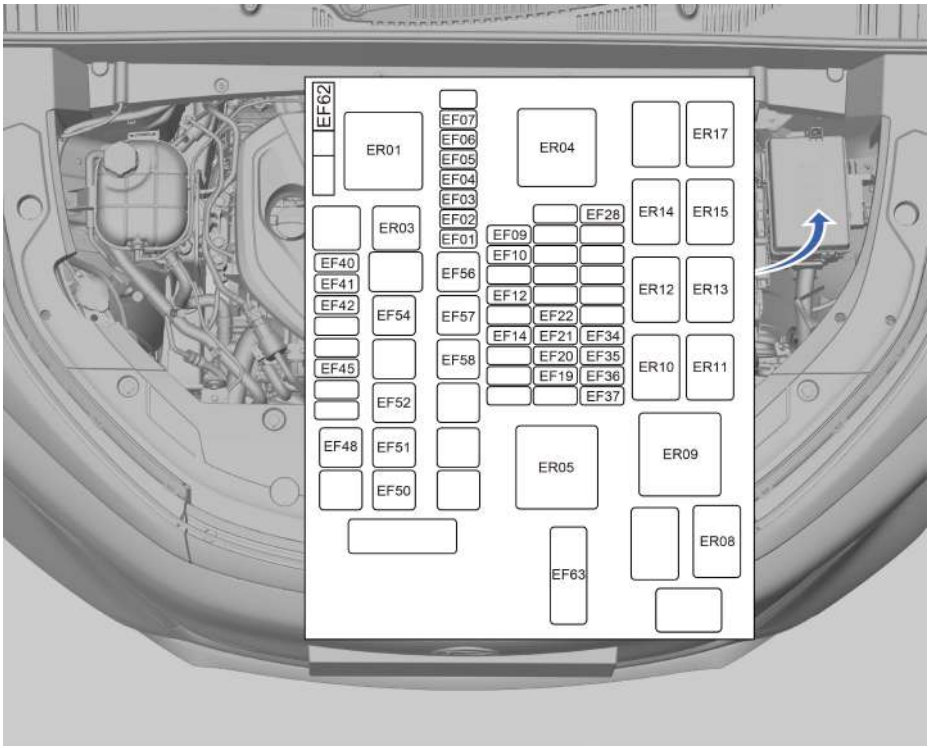
Do not try to repair any blown fuse. Do not substitute any blown fuse with a fuse of different colour or amperage, otherwise the electric system will get damaged or cause fire due to overload of wires.◀

3. Replace with a new fuse of the same model and specification. If the fuse blows immediately after replacement, contact an authorised PROTON e.MAS service outlet as soon as possible.

The colour indicates the amperage of fuse.This amperage is also marked on fuse.◀

Contact with liquid may damage electric components in the vehicle. Be sure to secure the covers of all electrical components.◀

Fuse Box in Front Compartment

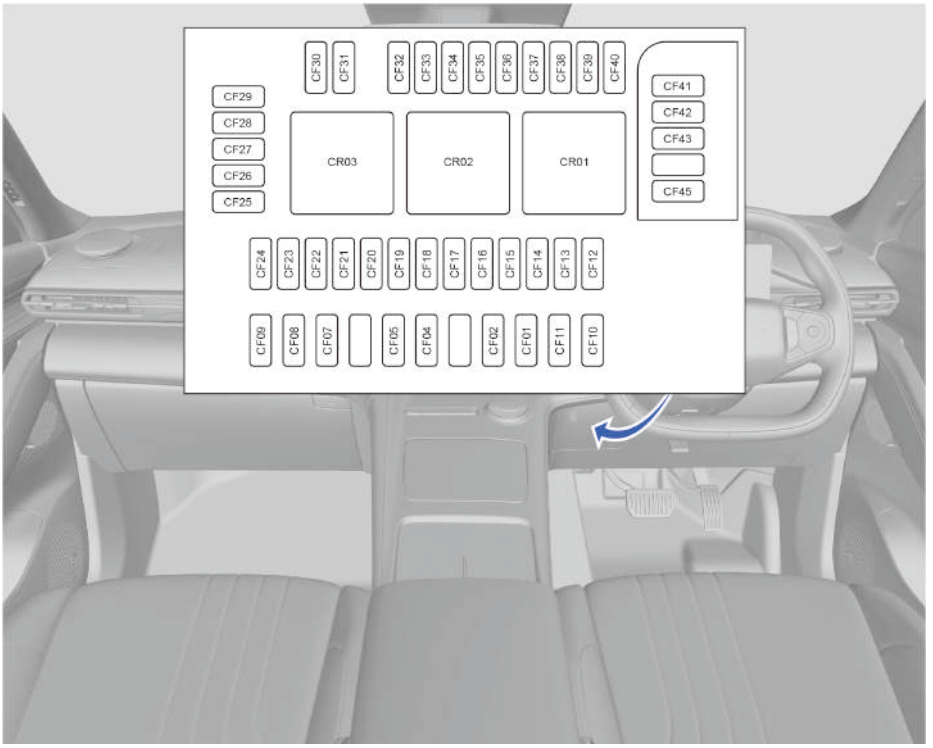


Fuse No.	Name	Ampere Value	Description
EF01	BRAKE PEDAL SENSOR	5A	-
EF02	HIGH VOLTAGE BATTERY	10A	-
EF03	REAR WIPER MOTOR	15A	-
EF04	FRONT/REAR WASHER PUMP	15A	-
EF05	ENGINE CONTROL MODULE ECM	10A	-
EF06	FRONT WIPER HIGH RELAY & FRONT WIPER LOW RELAY & DEFROST RELAY & FRONT WASHER RELAY & REAR WASHER RELAY & REAR WIPER RELAY & WINDSCREEN HEAT RELAY*	5A	-

Fuse No.	Name	Ampere Value	Description
EF07	HORN 1 & HORN 2	20A	-
EF09	HVAC COOLING SHUT OFF VALVE & BATTERY ELECTRIC EXPANSION VALVE MODULE BEXV	10A	-
EF10	POWERTRAIN CONTROL MODULE PCM & ELECTRIC AC COMPRESSOR & INLINE HVAC MAIN CONNECTOR & ELECTRIC VEHICLE COMMUNICATION CONTROLLER EVCC	10A	-
EF12	ELECTRIC DRIVETRAIN COOLANT PUMP EDCP	20A	-
EF14	HIGH VOLTAGE BATTERY	10A	-
EF19	POWERTRAIN CONTROL MODULE PCM & ENGINE CONTROL MODULE ECM	5A	-
EF20	BRAKE CONTROL MODULE BCM	5A	-
EF21	ACCELERATOR PEDAL SENSOR	5A	-
EF22	FUEL PUMP	20A	-
EF28	INJECTOR1 & INJECTOR2 & INJECTOR3 & INJECTOR4	15A	-
EF34	SPARK PLUG 4 + IGNITION COIL 1 & SPARK PLUG 2 + IGNITION COIL 2 & SPARK PLUG 3 + IGNITION COIL 3 & SPARK PLUG 4 + IGNITION COIL 4	15A	-
EF35	OXYGEN SENSOR 1 (LH FRONT) & OXYGEN SENSOR REAR	15A	-
EF36	ENGINE CONTROL MODULE ECM	20A	-
EF37	SOLENOID VARIABLE VALVE TIME VVT INLET & EVAP PURGE VALVE & ENGINE OIL PUMP SOLENOID & FUELTANK ISOLATION VALVE & PUMP FUEL LEAKAGE CONTROL DMTL*	10A	-
EF40	POWERTRAIN CONTROL MODULE	15A	-

Fuse No.	Name	Ampere Value	Description
	PCM		
EF41	ZONE CONTROLLER UNIT DRIVER ZCUD	30A	-
EF42	BATTERY BACKED UP SOUNDER BBS*	5A	-
EF45	ELECTRIC VEHICLE COMMUNICATION CONTROLLER EVCC	5A	-
EF48	BRAKE CONTROL MODULE BCM	60A	-
EF50	INLINE HVAC MAIN CONNECTOR	40A	-
EF51	CPSR RELAY	40A	-
EF52	WINDSCREEN WIPER MOTOR WWM	30A	-
EF54	HEATED REAR WINDOW	40A	-
EF56	COMFORT RLY POWER*	30A	-
EF57	BRAKE CONTROL MODULE BCM	60A	-
EF58	ZONE CONTROLLER UNIT DRIVER ZCUD	30A	-
EF62	HSW POWER*	15A	-
EF63	RADIATOR COOLING FAN MOTOR*	80A	-
		125A	-

Interior Fuse Box



Fuse No.	Name	Ampere Value	Description
CF01	ZONE CONTROLLER UNIT DRIVER ZCUD	30A	-
CF02	ZONE CONTROLLER UNIT PASSENGER ZCUP	30A	-
CF04	AUDIO MOUDULE AUD*	30A	-
CF05	PASSENGER SEAT CONNECTION*	30A	-
CF07	POWER OPERATED TAILGATE POT*	30A	-
CF09	ZONE CONTROLLER UNIT DRIVER ZCUD	30A	-
CF10	ZONE CONTROLLER UNIT	30A	-

Fuse No.	Name	Ampere Value	Description
	DRIVER ZCUD		
CF11	SIDE OBSTACLE DETECTION LEFT SODL * & SIDE OBSTACLE DETECTION RIGHT SODR*	5A	-
CF12	POWER OUTLET RELAY & IGN RELAY & BATTERY SAVER RELAY	5A	-
CF13	TELEMATICS AND CONNECTIVITY ANTENNA MODULE TCAM*	5A	-
CF14	DIAGNOSTIC SOCKET OBD & DOCKING STATION ALCOHOL LOCK SENSOR*	10A	-
CF15	DISPLAY HEAD UNIT MODULE DHU	25A	-
CF16	ZONE CONTROLLER UNIT PASSENGER ZCUP	30A	-
CF17	ZONE CONTROLLER UNIT PASSENGER ZCUP	30A	-
CF18	CHARGER AND DC/DC MODULE CDD	10A	-
CF20	RADIO FREQUENCY ANTENNA RFA	5A	-
CF21	STEERING WHEEL MODULE SWM	5A	-
CF22	CENTER STACK DISPLAY CSD	10A	-
CF23	ZONE CONTROLLER UNIT PASSENGER ZCUP	30A	-
CF24	ACTIVE SAFETY DOMAIN MASTER ASDM	5A	-
CF25	LH HEADLAMP UNIT & RH HEADLAMP UNIT	10A	-
CF26	INTERIOR REAR VIEW MIRROR MODULE IRMM*	5A	-
CF27	DIGITAL VIDEO RECORDER DVR	5A	-

Fuse No.	Name	Ampere Value	Description
CF28	SUNROOF CONTROL MODULE SRM*	30A	-
CF29	WIRELESS PHONE CHARGER WPC*	5A	-
CF30	OVERHEAD CONSOLE OHC & VANITY MIRROR ILLUMINATION LAMP SUNVISOR *	5A	-
CF31	AMBIENT LIGHT*	5A	-
CF32	POWER OUTLET TUNNEL CONSOLE	15A	-
CF33	USB CHARGING PORT FRONT RIGHT & USB CHARGING PORT TUNNEL REAR	15A	-
CF34	STEERING WHEEL MODULE SWM	5A	-
CF35	ELECTRONIC TOLL COLLECT MODULE ETCM	5A	-
CF36	POWER STEERING CONTROL MODULE PSCM	5A	-
CF37	ZONE CONTROLLER UNIT DRIVER ZCUD & ZONE CONTROLLER UNIT PASSENGER ZCUP	5A	-
CF38	SUPPLEMENTARY RESTRAINT SYSTEM SRS	5A	-
CF39	PARKING ASSISTANCE SENSOR*	5A	-
CF40	POWERTRAIN CONTROL MODULE PCM & ENGINE CONTROL MODULE ECM & BRAKE CONTROL MODULE BCM & ACCELERATOR PEDAL SENSOR	20A	-
CF41	CENTER CONSOLE SWITCH MODULE CCSM & DRIVER DOOR SWITCHES DDS & INTERIOR RADAR MODULE REAR IRRM* &	5A	-

Fuse No.	Name	Ampere Value	Description
	INTERIOR MOTION SENSOR IMS*		
CF42	DRIVER INFORMATION DISPLAY	5A	-
CF43	ZONE CONTROLLER UNIT PASSENGER ZCUP	30A	-
CF45	DIGITAL VIDEO RECORDER DVR & ELECTRONIC TOLL COLLECT MODULE ETCM	5A	-

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Emergency Unlocking of Door

Using Mechanical Key to Lock and Unlock

When the intelligent key or the vehicle powers off,the mechanical key can be used to lock/unlock the driver door.◄

Driver door

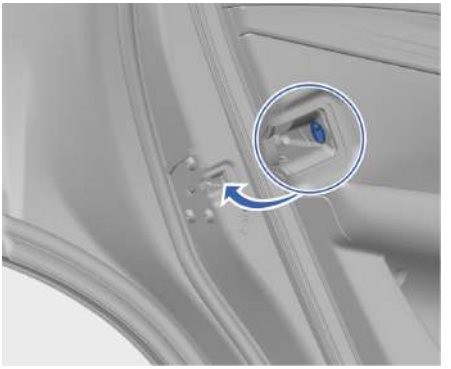
1. Insert the mechanical key into the small hole beneath the door lock trim cover and pry upward to remove the cover;

2. Insert the mechanical key into the driver's side door lock; turn it clockwise to unlock the door, and counterclockwise to lock it.

Front door locking

1. Insert the mechanical key into the black knob of the door lock for rotation;
2. Take out the mechanical key and close the door to complete the locking.

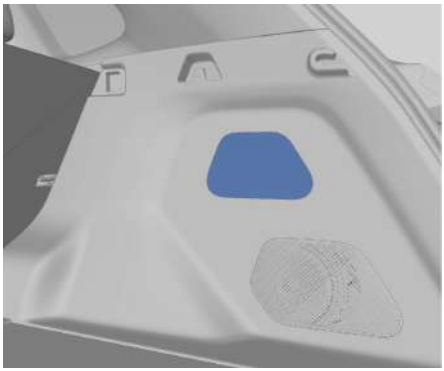
Rear door locking



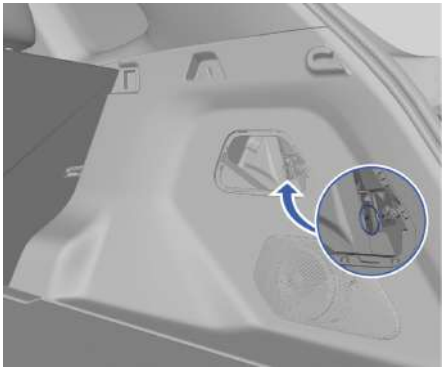
1. Insert the mechanical key into the black knob of the door lock for rotation;
2. Take out the mechanical key and close the door to complete the locking.

Emergency Unlocking Charging Cable

If the AC charging cable cannot be pulled out, try the following methods to unlock it:



1. Open the boot and pry off the boot trim panel located on the right;



2. Pull the emergency charging port cable located on the right side of the front compartment to unlock the charging cable.

If the charging gun still cannot be disconnected, please stop charging immediately, and contact a PROTON e.MAS service outlet.◀

Towing Eye

Precautions for Using Towing Eye

The tow ring is for road rescue use only and must not be used for any other purposes. When towing the vehicle with towing eye, observe the following precautions to prevent serious injury or even death:

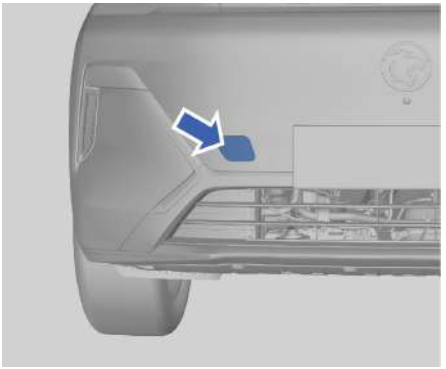
- Ensure that the towing eye is screwed firmly into the mounting hole.
- When towing the vehicle with towing eye, ensure that the personnel around keep a safe distance from the vehicle.
- Do not use a towing chain/belt on the towing eye. The towing chain/belt may break.
- It is not allowed to use the towing eye to tow the vehicle on a highway or a road with obstacles.
- When using a towing eye for vehicle towing, start the towing vehicle smoothly and slowly to prevent shock loading due to excessive pulling force.
- When using the towing eye, make sure to use the appropriate equipment that complies with traffic regulations (such as a rigid tow bar or tow rope), so as to tow the vehicle to the nearest maintenance point on the ground for a short distance.
- When extracting a stuck vehicle, tow only from directly ahead to align direction with force. Never tow at an angle.◀

The towing eye may be used to tow the vehicle onto a flatbed trailer in specific situations.

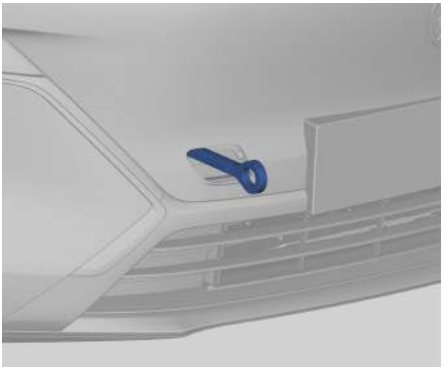
- The vehicle position and ground clearance determine flatbed towing feasibility.
- Steep ramps or insufficient ground clearance may cause damage to the vehicle during towing with towing eye.
- Use the towing lifting apparatus to lift the vehicle if necessary.◄

Installing the Towing Eye in the Front

1. Take out the towing eye from the on-board tool kit in the luggage compartment;



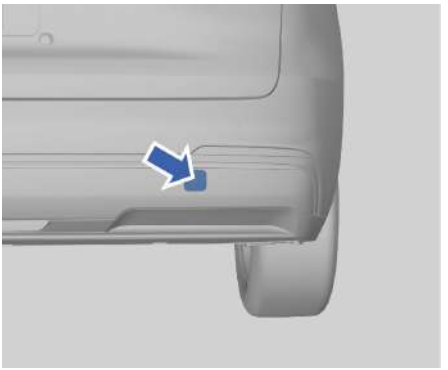
2. Press the traction hole cover plate indicated by the arrow on the front bumper;



3. Screw the towing eye into the mounting hole and tighten it with the tool to ensure that the towing eye is fully tightened.

Installing the Towing Eye in the Rear

1. Take out the towing eye from the on-board tool kit in the luggage compartment;



2. Press the traction hole cover plate indicated by the arrow on the rear bumper;

3. Screw the towing eye into the mounting hole and tighten it with the tool to ensure that the towing eye is fully tightened.

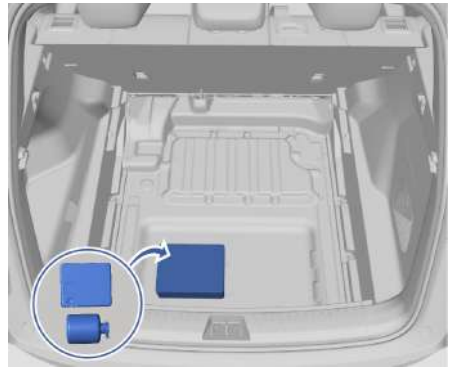
Once the towing is completed, the towing eye should be replaced in the onboard tool kit.◀

Quick Tyre Repair

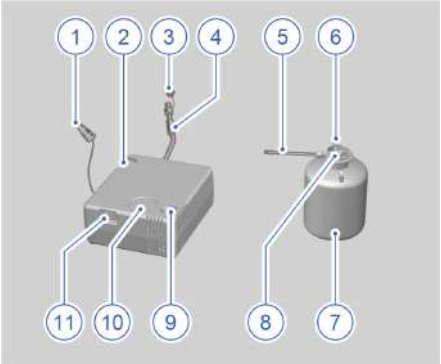
Park the vehicle on a solid surface where there is no traffic hazard and it is easy to repair your tyres safely. Turn on the hazard warning lamp and place the warning triangle within the specified distance.◀

- The tyre repair kit is only suitable for sealed tyres with punctures in the tread. If the tyre has large crack, split or similar damage, the tyre repair kit cannot be used to seal the tyre.
- The sealing fluid tank must be replaced before its expiration date, and after every tyre repair.
- The tyre repair fluid must be stored out of the reach of children.◀

Tyre Repair Kit



The tyre repair kit is placed in the storage box under the boot bottom plate.



1. Power supply connector
2. Air pump slot
3. Air hose connector
4. Air hose
5. Tyre repair fluid air tube
6. Tyre repair fluid valve
7. Sealing fluid tank
8. Tyre repair fluid cover
9. Relief valve
10. Pressure gauge
11. Switch

Tyre Repair

1. Remove the label of maximum allowable speed (attached to bottom of tyre sealant bottle) and attach it to the steering wheel;

The sealing fluid irritates the skin. If in contact with skin, wash immediately with soap or water.◄

2. Make sure the electric air pump switch is in the OFF position, then remove the lead and air hose;
3. Connect the hose connector of the electric air pump and the tyre repair fluid valve;
4. Insert the tyre repair fluid cover into the air pump slot from the side;
5. Connect the tyre repair fluid air pipe with the tyre valve;
6. Plug the power supply connector into the 12V outlet and start the vehicle;
7. Turn the electric air pump switch to the ON position;

Never stand next to a tyre while operating the electric air pump. If cracks or unevenness occur, the electric air pump must be turned off immediately. Please contact a PROTON e.MAS service outlet as soon as possible.◄

When the electric air pump is in use, the pressure can increase to 6bar, but will decrease after about 30 seconds.◄

8. Inflate the tyres for a few minutes;

The electric air pump can't work for more than 10 minutes, otherwise there is a risk of overheating.◄

9. Turn off the electric air pump and check the pressure on the pressure gauge. Minimum pressure is 1.8 bar, and maximum pressure is 3.2 bar;

If the tyre pressure is too high, use a relief valve to release some air.◄

If the pressure is below 1.8 bar, it indicates the tyre puncture is too large and the journey must not be continued. It is recommended to contact a PROTON e.MAS service outlet for inspection and repair.◄

10. Turn off the electric air pump and unplug the power supply connector from the 12 V socket;

11. Remove the tyre repair fluid hose from the electric air pump;
12. Drive 3 kilometres immediately at a speed of no more than 80km/h and let the sealing fluid evenly seal the tyres.

After repairing the tyre with the tyre repair kit:

- The driving speed should not exceed 80 km/h.
- The driving distance should not exceed 200 km.
- Please go to an authorised PROTON e.MAS service outlet as soon as possible to repair or replace the tyre.◄

Hybrid System Overheating

Any of the following conditions may indicate that the hybrid system has overheated:

- The power decreases.
- Loud knocking or banging noises.

If the hybrid system overheats, proceed with the following steps:

1. Drive the vehicle safely off the road, stop, and turn on the hazard warning lights. Shift the gear to P and apply the parking brake. If the air conditioning is in use, turn it off.
2. If engine coolant or steam sprays out of the expansion tank, shut down the hybrid system. Wait for the steam to subside before opening the front hood. If no engine coolant or steam is spraying out, keep the hybrid system running and ensure the electric cooling fan is operating.

To avoid serious personal injury, keep the hood closed until there is no steam being ejected. Steam or engine coolant spraying out indicates high pressure.◄

3. Check whether there is obvious engine coolant leakage under the radiator, hose or vehicle. Water dripping after using the air conditioner is a normal phenomenon.

When the hybrid system is on, keep all parts of the body and clothing away from the operating cooling fan.

- If the engine coolant is leaking, stop the hybrid system immediately. Contact an authorised PROTON e.MAS service outlet as soon as possible.

- If there is no obvious leakage, check the engine coolant reservoir. If the engine coolant in the reservoir is exhausted, add engine coolant to the reservoir to approximately half full while the hybrid system is running. Do not attempt to remove the radiator cap when the hybrid system and radiator are hot. High-temperature fluid and steam ejected under pressure can cause serious injury.
- After the engine coolant temperature drops to the normal level, check the engine coolant level in the reservoir again. If necessary, add more coolant to bring it to approximately half full. A significant loss of engine coolant indicates a leak in the system.

  Please contact an authorised PROTON e.MAS service outlet as soon as possible for inspection and repair.◀

Recovering a Stuck Vehicle

When the vehicle is stuck in snow, mud pit, sands or other soft roads, please evacuate as per the following steps:

1. Observe the surroundings of the vehicle to ensure that there are no people or obstacles;
2. Turn the steering wheel to the left/right to grind the area around the front wheels;
3. Engage the forward or reverse gear to move the vehicle forward and backward slowly;
4. If the vehicle remains stuck after several attempts, seek professional towing services.

When using forward and backward movement to drive the vehicle out of the pit, it may suddenly rush forward or backward. The driver must keep alert at all times to avoid casualties.◀

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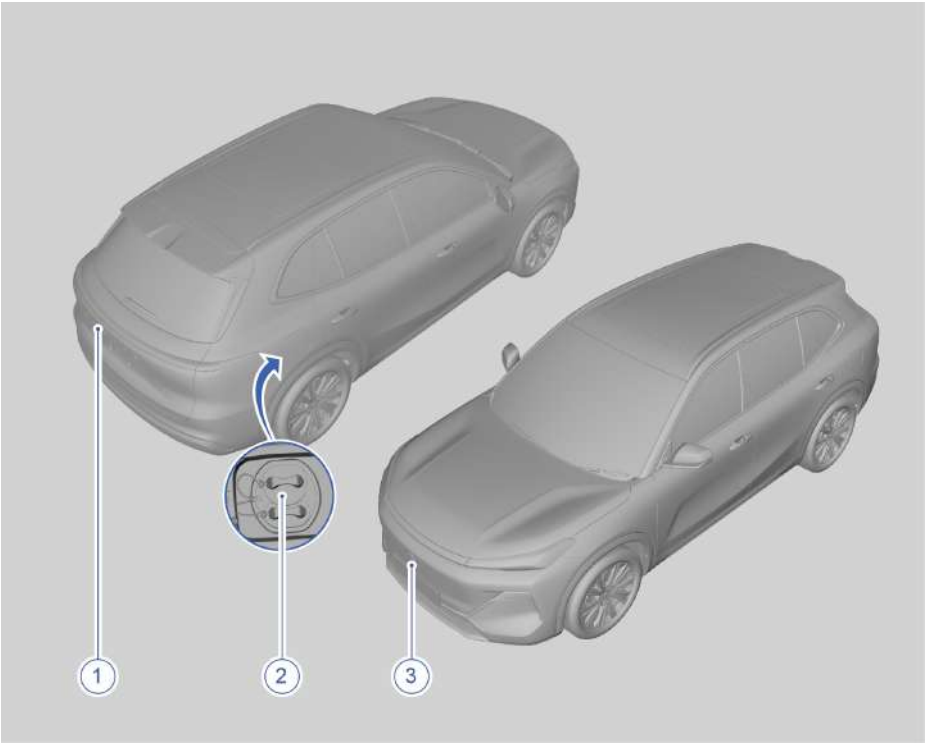
External Identification Information

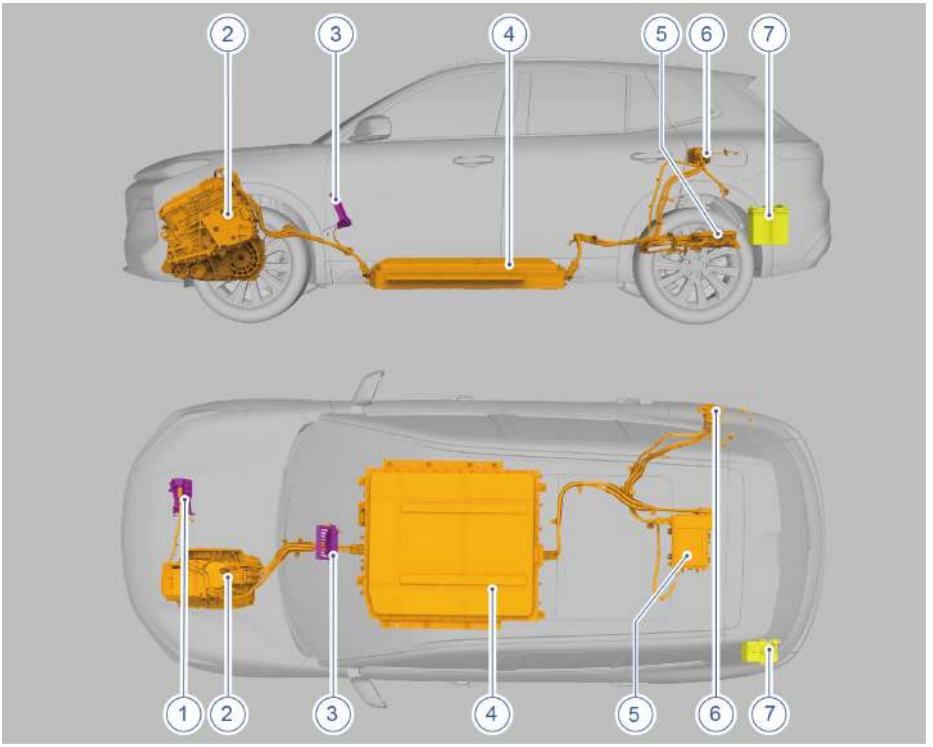


1. Manufacturer identification
2. Charging port
3. Vehicle identification

Power System Information

Introduction to Power System

The power system includes: a power battery, high/low-voltage charging system and electric drive system (dedicated hybrid transmission).



1. Compressor
2. Electric drive system
3. High-voltage heating system
4. Power Battery
5. High/low voltage charging system
6. Charging port
7. Low-voltage battery

Power Battery

The power battery pack integrates multiple relays, and the power battery can be charged repeatedly.

High/low voltage charging system

The high-voltage and low-voltage charging system is a high-voltage power supply system that connects the power battery to the charging port.

The high and low voltage charging system primarily consists of the following components: the onboard charger junction box, charging interface, high-voltage charging cable, and AC/DC combined charging cable. All high-voltage cables are orange in colour. Do not touch these cables and components when the vehicle is powered on. Wrap the high-voltage cable connectors with insulating tape immediately after they are pulled out.

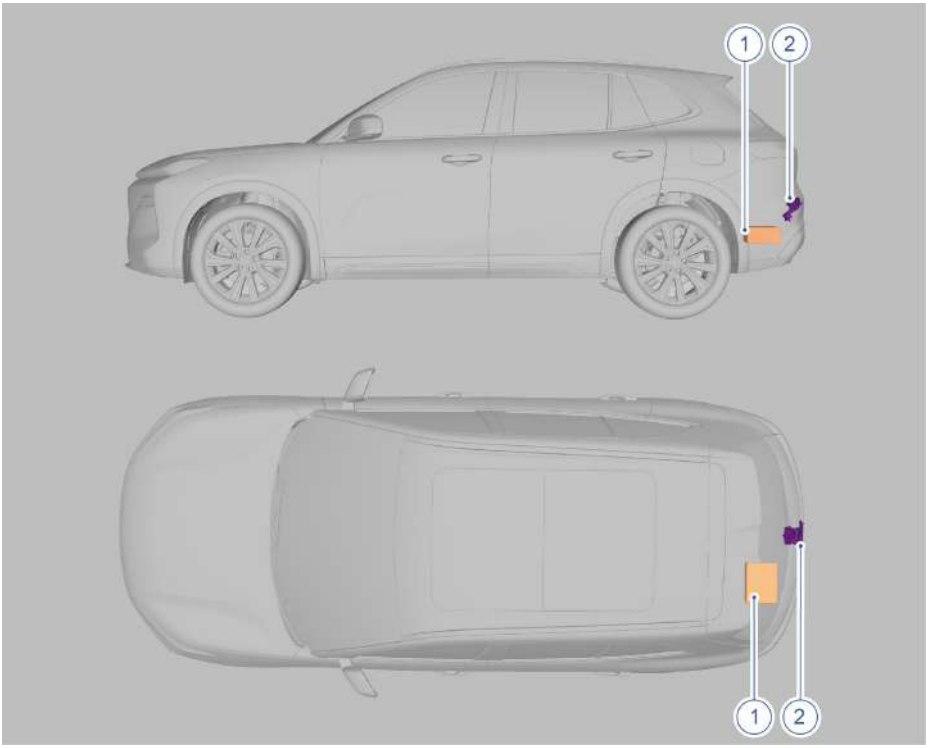
Drive Motor

The vehicle uses a permanent magnet synchronous drive motor and the motor rotor uses permanent magnets. The rotating magnetic field and stator coil work together to generate torque. The torque is controlled by the motor control unit. The motor control unit dissipates heat from the electronic power devices by means of coolant.

Safety Sign Information

No.	Safety Sign Name	Pattern	Meaning
1	High-voltage warning sign		Do not touch the high-voltage components. It is dangerous!
2	Power battery label (Illustration)		Basic information of the power battery system
3	High-voltage harness		High-voltage harness colour: orange

Emergency Device Information



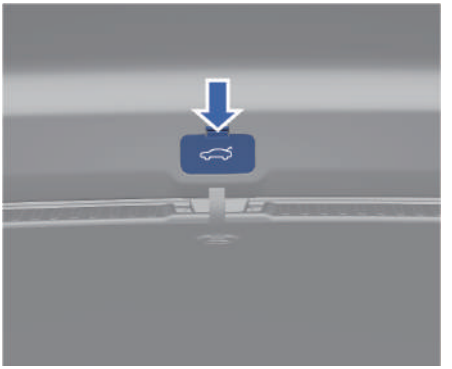
1. Tyre repair kit
2. Boot lock

Parking

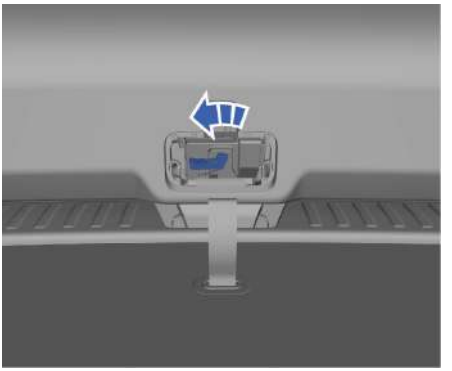
Depress the brake pedal, stop the vehicle smoothly, shift the gear to P, activate the parking brake and turn off the vehicle power supply.

Emergency Unlocking of Boot

1. Fully fold the rear seat backrest;
2. Access the boot interior directly from the rear and locate the cover for the boot emergency opening device on the boot interior trim panel;



3. Lift the boot emergency opening device cover;

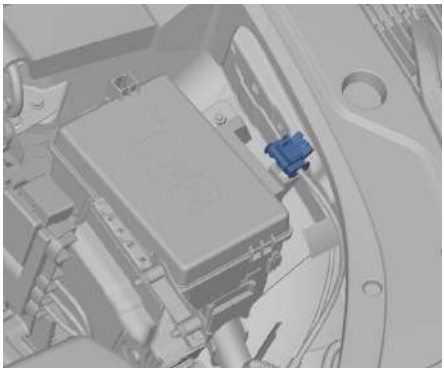


4. Toggle the boot emergency opening switch counterclockwise to open it.

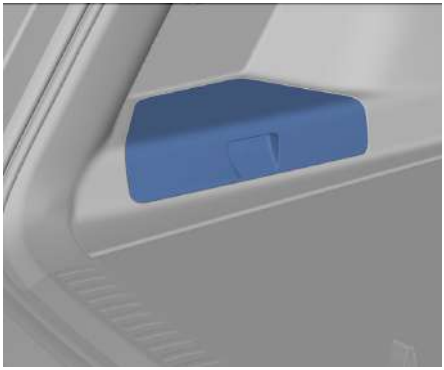
High-voltage Cut-off Method

Repair of High Voltage Cutoff During Maintenance

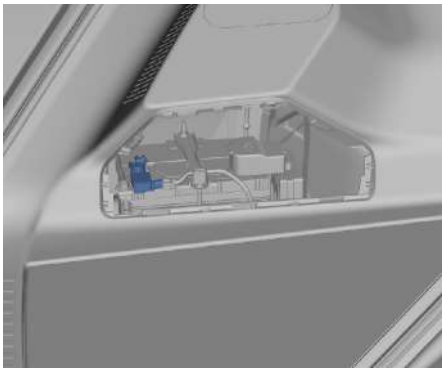
1. Shift the gear in P, with the vehicle in a non READY state and stationary. Open the bonnet, close the doors, press the smart key lock button/car search button and switch the vehicle power to OFF. Wait at least 5 minutes to ensure the high-voltage system is fully powered off;



2. Disconnect the low-voltage repair switch in the front compartment;



3. Open the boot and pry off the low-voltage battery cover on left side of boot.



4. Disconnect the negative grounding line of low-voltage battery.

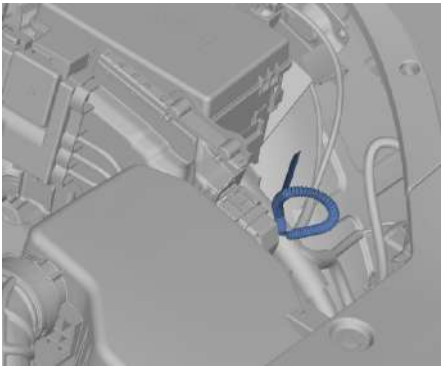
Always wear personal protective equipment and disconnect the high-voltage system if it is necessary to touch any high-voltage harnesses or components. Do not touch power battery components even after disconnecting the high-voltage system to avoid the risk of death by electric shock.◀

Emergency High-Voltage Cut-off During Rescue

For scenarios where there is leakage or uncertainty about whether high-voltage is cut off during rescue operations, use scissors or diagonal pliers to cut the harness to perform emergency cut-off of high voltage to avoid secondary injuries.

Front compartment cutting point

1. Open the bonnet;



2. Use scissors or diagonal pliers to cut the locations shown to perform emergency cut-off of high voltage.

Protective Equipment

The following protective equipment should be properly maintained and used when touching or handling the high-voltage system:

- Wear safety glasses when handling high-voltage systems.
- Wear 1000V insulated gloves when touching high-voltage components.
- Use insulated tools when handling high-voltage system.
- Prepare insulated protective hooks and a fire extinguisher suitable for lithium batteries.
- Working alone is prohibited to ensure safety. The two-person rule should be followed to ensure timely assistance in the event of an accident.

Name	Picture	Note
Acid and alkali resistant gloves		Used in case of lithium battery electrolyte leakage
Insulated protective hook		Used in case of electric shock
Dry powder extinguisher		Used to extinguish fire
Fire blanket		
High-voltage insulated gloves		Used to prevent high-voltage electric shock

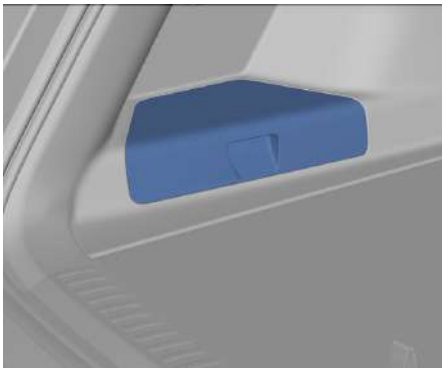
Name	Picture	Note
Insulated cap		Used to prevent high-voltage electric shock
Safety glass		
Insulated shoe		
Insulating tape		Cover damaged harnesses to provide protection and prevent electric shock. Tape should be wrapped around all exposed or damaged harnesses
Insulating tool		Used for operating high-voltage system components

Jump Start

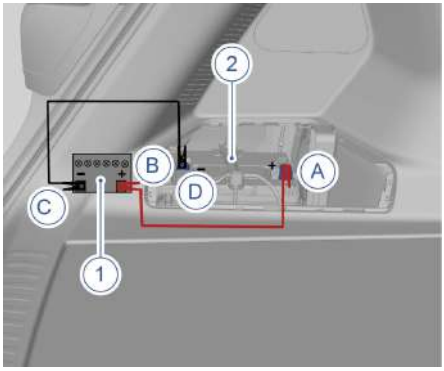
If the vehicle cannot be started due to depletion of low-voltage battery, another vehicle and jumper cable can be used to start the vehicle. ◄

Do not start the vehicle by pushing or pulling; use only a low-voltage battery for jump start. ◄

1. Turn the power supply to OFF. Turn off all lights and electric accessories, except hazard warning light (if necessary);



2. Open the boot and pry off the low-voltage battery cover plate on left side of boot;



1. Low-voltage battery with power
2. Low-voltage battery without power

3. Connect one end of the red positive cable to the positive (+) terminal (A) of the low-voltage battery without power;
4. Connect another end of the red positive cable to the positive (+) terminal (B) of the low-voltage battery with power;
5. Connect one end of the black negative cable to the negative (-) terminal (C) of the low-voltage battery with power;
6. Connect another end of the black negative cable to the negative (-) terminal (D) of the low-voltage battery without power;
7. Attempt to start a vehicle with a dead low-voltage battery. If the vehicle still cannot be started after several attempts or the battery often runs out of power, please contact an authorised PROTON e.MAS service outlet

If the jumper cable is connected or removed in wrong sequence, an electrical short circuit may occur and the vehicle may be damaged. Any repairs required thereby are not covered by warranty. Therefore, it is necessary to connect or remove jumper cable in correct sequence, and ensure cables will not touch each other or contact other metal. ◄

To disconnect the jumper cables between the two vehicles, it is required to:

1. Disconnect the black negative (-) cable from the dead low-voltage battery;
2. Disconnect the black negative (-) cable from the live low-voltage battery;
3. Disconnect the red positive (+) cable from the live low-voltage battery;

4. Disconnect the red positive (+) cable from the dead low-voltage battery.

- Cooling fans and other operating components of the engine can cause personal injury. Do not touch the cooling fans or engine with hands, clothing or tools when the engine is running or not running.
- Gas may leak from the low-voltage battery during charging or jump start. There is a risk of explosion at this time. Be sure to keep the low-voltage battery away from sparks, open flames, and other flammable objects.
- The use of open fire near low-voltage battery may ignite the gases in battery and cause severe casualties. The fluid in the low-voltage battery is corrosive and can cause serious damage to eyes and skin. In case of accidental contact, rinse immediately with plenty of water and seek medical attention.
- When connecting and removing jumper cables, do not twine the cables with fans, belts, etc.
- Ensure that each cable is properly connected and that the ends are kept at a distance from each other to avoid contact between the positive and negative terminals. Failure to follow the above steps will result in repair that is not covered by the warranty.
- Take care that the positive and negative terminals are not reversed when connecting the power supply. Otherwise, it may cause high-voltage system failure and the vehicle will not start.
- If the vehicle still cannot be started after several attempts or the battery often runs out of power, please contact a PROTON e.MAS service outlet. ◀

Vehicle Body Cutting

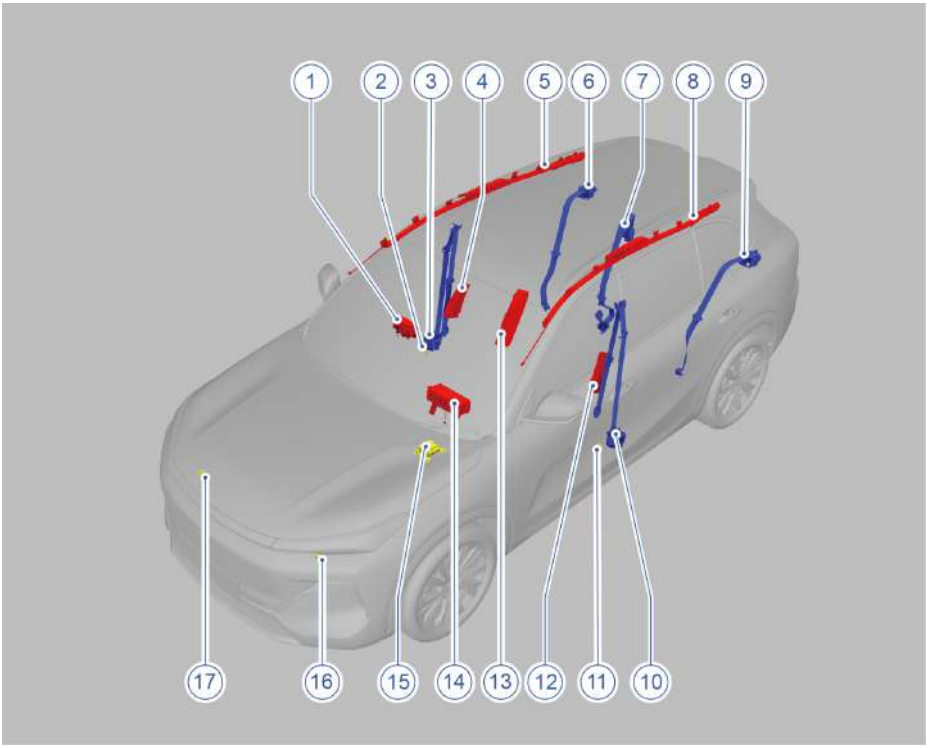
Do not cut, expand or puncture areas related to high-voltage system and power battery. Personal protective equipment must be worn at all times when removing components, otherwise serious personal injury or death may occur. ◀

Airbag Components

Cutting, expanding or puncturing airbag components without deployment is strictly forbidden, as an accidentally deployed airbag could result in serious personal injury or death. However, cutting is permitted under the following conditions:

- The frontal airbag, side airbag and far side airbag (if equipped) and side curtain airbag have deployed.
- The low-voltage battery negative cable has been disconnected for more than 3 minutes and the high-voltage system has been turned off.

Airbag and impact sensor locations are shown below:

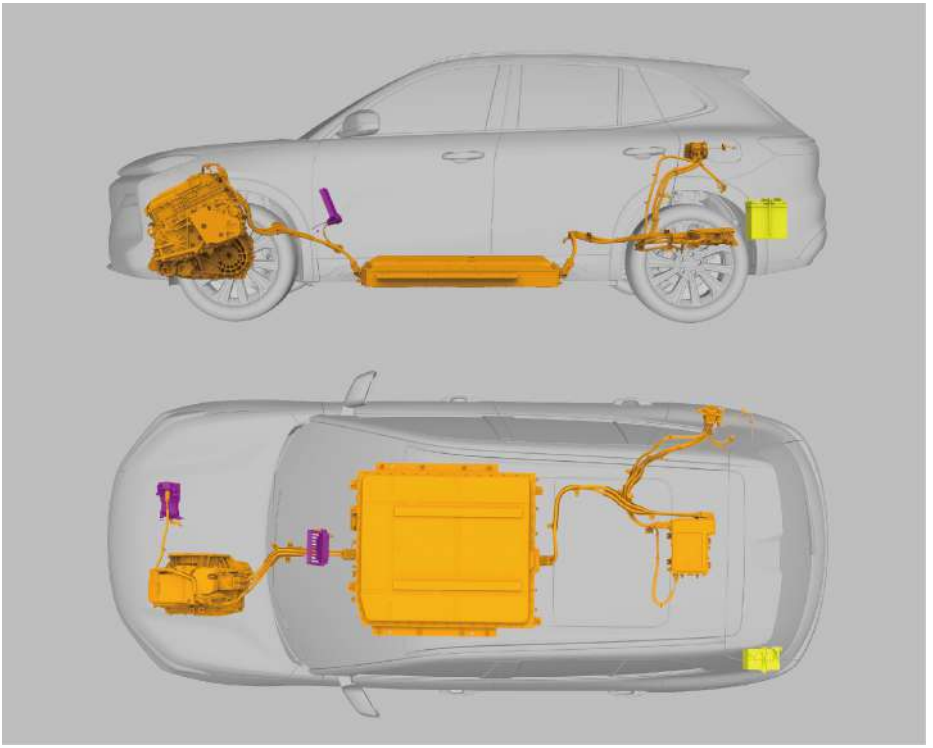


1. Driver seat airbag
2. Right side impact sensor
3. Right front seat belt retractor
4. Right airbag
5. Right curtain airbag
6. Rear right seat belt retractor
7. Rear middle seat belt retractor
8. Left curtain airbag
9. Rear left seat belt retractor
10. Left front seat belt retractor
11. Left side impact sensor
12. Left airbag
13. Far side airbag*
14. Front passenger airbag
15. Airbag controller
16. Left front impact sensor
17. Right front impact sensor

High-Voltage System and No Cutting Components

The purple areas in the figure below are high-voltage components that can only be cut when the high-voltage system is turned off.

The orange areas in the figure below are "no-cutting areas". Cutting, expanding, puncturing or crushing in these areas is strictly forbidden, otherwise accidents such as high-voltage electric shock, fire and explosion will occur, which will result in serious personal injury or death.
The yellow area in the figure below is the low-voltage battery, and cutting is strictly forbidden.



- Always use appropriate tools such as hydraulic cutters and wear appropriate personal protective equipment when cutting. Failure to follow these instructions may result in serious personal injury or death.
- All high-voltage components are energised by default, regardless of whether the high-voltage cut-off procedure is performed. Cutting, expanding, puncturing, crushing or touching high-voltage components may result in serious personal injury or death.◀

Vehicle Water Immersion

The extent of damage to a waterlogged vehicle may not be obvious. Protective tools must be provided when handling a waterlogged vehicle, otherwise electric shock may cause injury or death.◀

- Before touching the high-voltage system components in the water, make sure the rescue personnel are wearing protective tools to prevent electric shock.
- The high-voltage system of a waterlogged vehicle must be disconnected before handling the vehicle. The vehicle must be completely dried after it has been removed from the waterlogged area to prevent injury from electrical leakage.◀

Vehicle Fire

- In the event of a vehicle fire, occupants should evacuate immediately, move to a safe location, and call emergency services. Inform rescue personnel that the vehicle is a hybrid vehicle equipped with high-voltage components.
- In the event of a fire, do not touch any part of the vehicle as it is fully energised. It is necessary to wear personal protective equipment, including self-contained air breathing apparatus.
- If there are occupants in the vehicle during rescue efforts, be sure to help them escape by pulling the door handle to see if the door can be opened. If the door cannot be opened, a sharp, hard object can be used to strike the corners of the door glass to help the occupants escape by breaking the window.
- High-voltage components may be energised during a fire. Cutting, crushing or touching high-voltage components may result in serious personal injury or death.◀

The rescue personnel should only perform the following operations when personal safety is secured and conditions permit:

- In the event of a vehicle fire, immediately evacuate all personnel from the area. Simultaneously, clear any combustible materials to prevent fire escalation
- Fire suppression personnel MUST utilize certified PPE, including SCBA (Self-Contained Breathing Apparatus), when

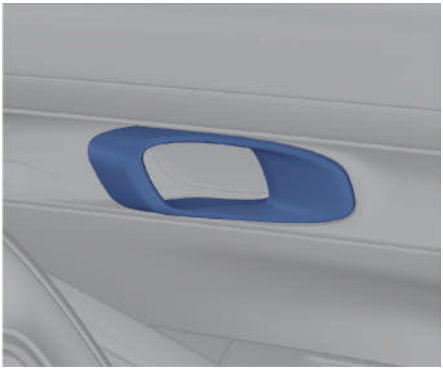
conducting vehicle firefighting operations.

- If power battery is not involved in the fire accident, use only the designated type of fire extinguisher. Never use water or fire extinguishers containing conductive substances, as this may cause electric shock or other secondary hazards.
- If the vehicle fire becomes uncontrollable or the high-voltage battery shows abnormalities (e. g., smoking, ignition), use a high-pressure water gun to extinguish the fire from a long distance.
- After all flames and smoke have significantly weakened, a thermal imaging camera can be used to actively measure the temperature change trend of the power battery. There must be no fire, nor smoke or heat in the power battery for at least one hour before the vehicle can be moved. The battery must be completely cooled before the vehicle leaves the accident scene. Always inform the transportation personnel that there is a risk of re-ignition of the power battery.
- When extinguishing residual fires in the latter stages of firefighting, it is important to make sure that the battery is completely cooled in order to prevent it from re-ignition. The battery can ignite when it is close to an ignition source. To prevent possible electric shock and personal injury, do not damage the power battery housing.
- If thick smoke is inhaled, please evacuate the area and seek medical treatment as soon as possible.◀

Emergency Evacuation of Personnel

Evacuation After Door Unlocking

If life is endangered and escape is the first choice, please do the following to evacuate as fast as possible.



When doors are in unlocked state, the door can be opened by pulling the interior handles of vehicle.

- If the rear door can not be opened, the child lock may be active. It needs to be opened from the outside of the vehicle or the glass needs to be lowered to extend the hand from the outside to open.
- When all the doors cannot be opened, a sharp and hard object can be used to strike the corners of the door glass to escape by breaking the window.◀

Evacuation by Unlocking Boot

To unlock the trunk for evacuation, refer to the emergency trunk unlocking instructions.

Power Battery Damage and Fluid Leakage

The power battery contains electrolytes. To prevent accidental injury, be sure to observe the following precautions:

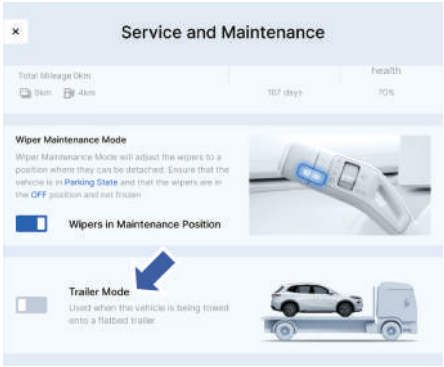
- In case of inhalation of electrolyte or fumes, it may cause respiratory irritation. Inhalation of vapours may cause irritation of the upper respiratory tract and lung, it is necessary to breathe fresh air and seek medical attention immediately.
- Skin contact with electrolytes or fumes may cause skin irritation and/or chemical burns. It is necessary to change contaminated clothing and wash skin with soap and water immediately. If chemical burns or persistent irritation occurs, seek medical attention immediately.
- Prolonged skin contact with electrolytes may cause inflammation through skin absorption.
- Eye contact with electrolytes may cause severe irritation and chemical burns. It is necessary to open the upper and lower eyelids and flush the eyes with water immediately for more than 15 minutes, then seek medical attention immediately.
- Electrolytes are volatile and flammable, so pay attention to fire prevention and ventilation.
- In the event of an electrolyte leakage, wear appropriate personal protective equipment and clean up any spilled electrolytes with a dry cloth. Ensure adequate ventilation in this area.◀

If electrolyte leakage or any problem or damage to the power battery housing is observed, rescue personnel must wear personal protective equipment and must not touch the electrolyte with their hands. Lime powder can be used to dilute and neutralise the electrolytes. Water cannot be used for dilution. The neutralisation process helps stabilise the thermal state of the power battery, but does not discharge the power battery.

Vehicle Evacuation from Accident Scene

Trailer Mode

Trailer Mode on



Click the following on the multimedia display in sequence: Vehicle Settings → My Vehicle → My Vehicle → Service, and turn on the Trailer Mode in the interface.

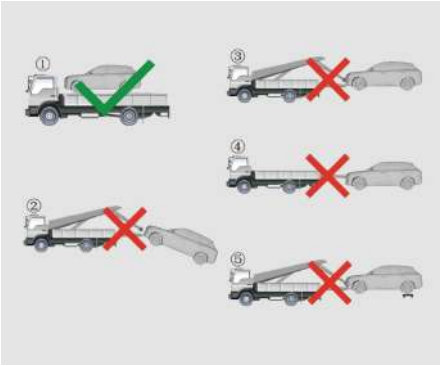
Trailer Mode off

Click the following on the multimedia display in sequence: Vehicle Settings → My Vehicle → My Vehicle → Service, and turn off the Trailer Mode in the interface.

- If the status indicator of the electric parking brake (EPB) system lights up after the Trailer Mode is on, it indicates that the electric parking brake system is faulty.
  Please contact an authorised PROTON e.MAS service outlet.
- If the electronic parking brake system cannot be enabled, the rear wheels should be locked to prevent the vehicle from moving, when necessary.

- Before turning on the Trailer Mode, make sure the vehicle is in a stable condition to avoid accidents caused by slipping. It is necessary to shift into Park (P) and press the brke pedal to start the Trailer Mode.
- After the towing is finished, it is necessary to exit the Trailer Mode in time and reset the vehicle by locking it or restarting the vehicle to ensure that the vehicle is in normal condition. ◄

After the accident, if the vehicle cannot start normally, the measures to tow the vehicle are shown in the figure.



Vehicle towing precautions are as follows:

- Towing method of four wheels off the ground should be used, and it is forbidden to use the towing method as shown in figures 2, 3, 4, 5.
- Place the power supply of the vehicle in OFF before towing, turn on the hazard warning lamps, close the door and lock the mechanical lock. During towing, it is forbidden for people to stay in the vehicle.

- If it is not possible to tow the vehicle normally with a platform truck, the vehicle can be towed urgently to a safe area by rigid connection and wait for rescue.
- Avoid long-distance towing when adopting rigid towing and the towing speed should be no more than 5 km/h.
- The vehicle should only be towed from the scene when it is ensured that there is no safety risk. If the vehicle battery pack is deformed, leaking, smoking, etc., safety risk should be prevented first. ◄

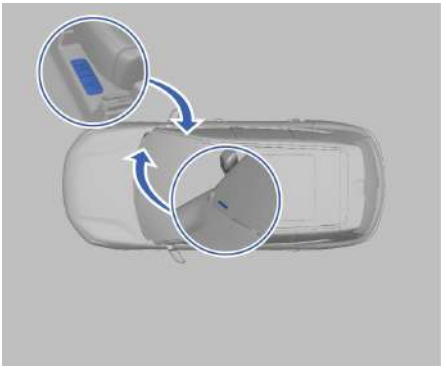
Vehicle Storage

If the vehicle is to be stored or left unattended, the high-voltage system must be disconnected, please refer to High-Voltage Cut-off Method. Also stick high-voltage warning labels and place high-voltage warning signs on the vehicle to remind pedestrians that touching the vehicle is strictly forbidden. Failure to do so could result in serious personal injury or death.

Special attention should be paid to the following conditions when storing the vehicle:

- Never park the vehicle in places with high temperature heat sources.
- Vehicles should be placed in a clean and dry environment with evacuation routes kept clear.
- It is forbidden to remove the power battery assembly at will, or to knock it with other heavy objects, or to puncture any part of it with a sharp object; it is forbidden to use metal to connect the positive and negative poles of the power battery assembly directly; avoid contact with corrosive objects and prevent external short circuit in the power battery.
- After a vehicle is waterlogged, caught on a fire, or hit, the vehicle should be stored in an open area due to the possibility of re-ignition. A safety zone of at least 15m around the vehicle should also be set up to prevent human-vehicle contact.◀

Vehicle Identification Number (VIN)



The vehicle identification number (VIN) is engraved on the body cross member under the front driver's seat. Move the seat fully backward and lift the carpet to view it.

The VIN is also located on the body bracket at the lower right corner of the windshield and can be seen from outside the vehicle through the windshield.

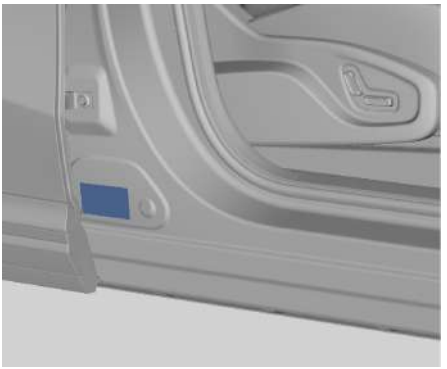
When contacting an authorised PROTON e. MAS service outlet, provide the vehicle identification number (VIN). If the VIN on the vehicle body is damaged, contact an authorised PROTON e.MAS service outlet promptly.◄

The vehicle identification number (VIN) can be read using a PROTON diagnostic scanner at an authorised PROTON e. MAS service outlet. The procedure is as follows:

1. Switch the vehicle power to OFF.
2. Connect the PROTON diagnostic scanner to the OBD diagnostic interface.
3. Activate the diagnostic program, start the vehicle, and touch "Welcome" to enter the interface.
4. The vehicle identification number (VIN) will be read automatically.

If this method is used to read the vehicle identification number (VIN), the data must be accessed through an authorised PROTON e. MAS service outlet. Using other methods may cause damage to the vehicle.◄

Vehicle Certification Label

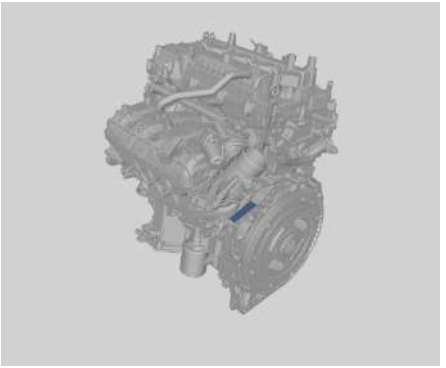


This label contains the vehicle identification number (VIN) and other important information about the vehicle.

Warning Label

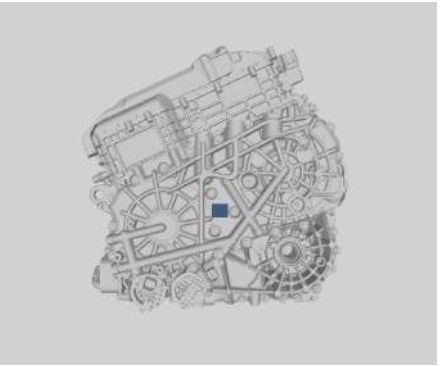
The operation warning label, located inside the front compartment, shows the refrigerant type, charge amount, carbon dioxide equivalent, and global warming potential.

Engine Code



The engine code is stamped on the engine body, behind the throttle when viewed from the front of the vehicle.

Drive Motor Code



The drive motor identification code is located in the middle of the electric drive system.

Dimension

Item	Unit	Parameter
Vehicle length	mm	4740
Vehicle width	mm	1905
Vehicle height	mm	1685

Weight

Item	Unit	Parameter (18.4kWh)	Parameter (29.8 kWh)
Kerb weight	kg	1735/1760	1835
Front axle kerb weight	kg	988/1005	1035
Rear axle kerb weight	kg	747/755	800
Maximum allowed weight	kg	2197/2222	2297
Front axle full load mass	kg	1122/1139	1169
Rear axle full load mass	kg	1075/1083	1128
Gross vehicle weight	kg	2170/2195	2270

The weights above are based on information available at the time of publication. All declared values are subject to a tolerance of ±1%.

Performance

Item	Unit	Parameter
Drive type	-	Front wheel front drive
Maximum vehicle speed	km/h	170
Maximum gradability	%	40

Emission Level

Item	Parameter
Emission Level	Euro 6E/Euro 6B

Engine

Item	Unit	BHE15-DFN
Engine type	-	1.5L 4-cylinder Dedicated Hybrid Engine (DHE)
Cylinder Bore x Stroke	mm×mm	82 × 93.2
Total displacement	L	1.499
Rated power	kW	73
Rated power rev	r/min	6000
Maximum torque	N·m	125
Maximum torque rev	r/min	4250~4750

Power Battery

Item	Unit	Parameter (18.4kWh)	Parameter (29.8 kWh)
Type	-	LFP battery	LFP battery
Rated voltage of power battery system	V	350	334
Rated capacity of power battery system	Ah	52.5	89.2

Drive Motor

Item	Unit	Parameter
Model	-	TZ220WY075
Type	-	Permanent magnet synchronous motor
Rated power	kW	50
Peak power	kW	160
Rated torque	N·m	120
Peak torque	N·m	262
Rated speed	r/min	4000
Peak speed	r/min	18000

Tyre

Item	Parameter
Tyre size	225/55 R18
	235/50 R19
Dynamic unbalance quantity	≤8g
Pressure of front tyres	250kPa (half load)
Pressure of rear tyres	250kPa (half load)

Recommended Fuel

Item	Specification	Capacity
All countries except Thailand	Unleaded Gasoline RON92 & above	45 L
Thailand only	Unleaded Gasoline / Gasohol RON95 & above	

The recommended fuel above must follow local goverment's requirements and regulations.◀

Recommended Fluids and Capacities

Item	Specification	Capacity
Engine oil	Area max temperature is above 40 ℃: API SP SAE 5W-40. Area max temperature is below 40 ℃: API SP SAE 0W-20.	4.3L (dry) 4.0L (wet)
Engine coolant	Ethylene glycol-based coolant	9.5L
Brake fluid (intelligent booster)	DOT4	0.86L
Windshield washer fluid	-	2.5L

Index

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

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